



RESEARCH CENTER

FIELD

Perception, Cognition and Interaction

Activity Report 2014

Section Dissemination

Edition: 2015-03-24

DATA AND KNOWLEDGE REPRESENTATION AND PROCESSING

1. DAHU Project-Team	5
2. DREAM Project-Team	7
3. EXMO Project-Team	10
4. GRAPHIK Project-Team	13
5. LINKS Team	18
6. MAGNET Team	20
7. MAIA Project-Team	23
8. OAK Project-Team	27
9. ORPAILLEUR Project-Team	29
10. SMIS Project-Team	30
11. WIMMICS Project-Team	33
12. ZENITH Project-Team	40

INTERACTION AND VISUALIZATION

13. ALICE Project-Team	45
14. AVIZ Project-Team	47
15. HYBRID Project-Team	52
16. IMAGINE Project-Team	56
17. IN-SITU Project-Team	59
18. MANAO Project-Team	64
19. MAVERICK Project-Team	66
20. MIMETIC Project-Team	68
21. MINT Project-Team	72
22. POTIOC Project-Team	75
23. REVES Project-Team	80
24. TITANE Project-Team	82

LANGUAGE, SPEECH AND AUDIO

25. ALPAGE Project-Team	84
26. MULTISPEECH Team	88
27. PANAMA Project-Team	93
28. SEMAGRAMME Project-Team	95

ROBOTICS AND SMART ENVIRONMENTS

29. E-MOTION Project-Team	98
30. FLOWERS Project-Team	100
31. HEPHAISTOS Team	106
32. LAGADIC Project-Team	108
33. RITS Team	114

VISION, PERCEPTION AND MULTIMEDIA INTERPRETATION

34. AYIN Team	119
35. LEAR Project-Team	123
36. LINKMEDIA Project-Team	127

37. MAGRIT Project-Team	132
38. MORPHEO Project-Team	134
39. PERCEPTION Project-Team	136
40. PRIMA Project-Team	137
41. SIROCCO Project-Team	140
42. STARS Project-Team	143
43. WILLOW Project-Team	146

DAHU Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

Luc Segoufin was the general chair of the conference Highlights of Logic, Games and Automata, held in Paris in September 2014.

Serge Abiteboul co-chaired with Patrick Flandrin the Conference: La Datamasse : directions et enjeux pour les données massives, Sciences Academy, Paris 2014

9.1.1.2. member of the organizing committee

Sylvain Schmitz and Luc Segoufin were part of the organizing committee for the conference Highlights of Logic, Games and Automata, held in Paris in september 2014.

9.1.2. Scientific events selection

9.1.2.1. member of the conference program committee

Luc Segoufin: Intl. Conf. on Foundations of Software Science and Computation Structures (FoSSaCS' 14).

Victor Vianu: Joint meeting of Conf. on Computer Science Logic (CSL' 14) and ACM/IEEE Symp. on Logic in Computer Science (LICS' 14). Intl. Conf. on Data, Processes, and Software Systems, Hangzhou, China. Intl. Symp. on Foundations of Information and Knowledge Systems (FoIKS' 14). SIGMOD PhD Symposium 2014.

Serge Abiteboul: Intl. Conf. on Digital Intelligence. Buda Intl. Workshop on Big Uncertain Data. Intl. Conf. on Extending database Technology. Intl. Conf. on Principles of database systems (PODS' 14), Award committee. Intl. Conf. on Data engineering (ICDE' 2015). Intl. Conf. on Database Theory (ICDT' 2015), Award committee. Intl. Conf. on the Management of data (2015), Demonstrations.

Cristina Sirangelo: Intl. Conf. on Database Theory (ICDT' 15). Symp. on Principles of Database Systems (PODS' 15).

9.1.3. Journal

9.1.3.1. member of the editorial board

Victor Vianu: Editor-in-Chief of the Journal of the ACM Associate Editor of ACM Transactions on Computational Logic (TOCL)

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

E-learning

Mooc: Serge Abiteboul (with Benjamin Nguyen), Bases de données relationnelles, 6 weeks, Association Sillages, june 2014, accredited by Ocean

Serge Abiteboul (with Benjamin Nguyen and Yannick Lebras) Introduction aux Bases de Données Relationnelles, course for the CPGE, pdf, <http://abiteboul.com/Lili/bdrelationnelles.pdf>

Master : Cristina Sirangelo, Complexité avancée, 36 hours ETD, M1, MPRI, France

Master : Cristina Sirangelo, Algorithmique, 25 hours ETD, Préparation à l'agrégation, École Normale Supérieure de Cachan, France

Licence : Cristina Sirangelo, Bases de données, 24 hours ETD, L3, École Normale Supérieure de Cachan, France

Licence : Cristina Sirangelo, Projet de bases de données, 22 hours ETD, L3, École Normale Supérieure de Cachan, France

Doctorat : Cristina Sirangelo, Bases de données et sites Web dynamiques, 18 hours ETD, École Normale Supérieure de Cachan, France

Doctorat : Cristina Sirangelo, Création de sites Web, 18 hours ETD, École Normale Supérieure de Cachan, France

Doctorat : Cristina Sirangelo, Recherche sur le Web, 18 hours ETD, École Normale Supérieure de Cachan, France

Licence : Serge Abiteboul, Base de données , ENS Cachan and ENS Paris

Master : Serge Abiteboul (with Pierre Senellart), Web data management, MPRI Paris

Licence : Serge Abiteboul, Bases de données pour les professeurs de CPGE, ENS Cachan, 3 heures.

Master : Sylvain Schmitz, Langages formels, 30 hours ETD, M2 Préparation à l'agrégation, École Normale Supérieure de Cachan, France

Master : Sylvain Schmitz, Logical and Computational Structures for Linguistic Modeling, 18 hours ETD, M2 MPRI, France

9.2.2. Supervision

HdR : Cristina Sirangelo, Representing and querying incomplete information: a data interoperability perspective, Ecole Normale Supérieure de Cachan, December 5th 2014 [11]

PhD in Progress: Nadime Francis, graph databases, 01/09/2011, Cristina Sirangelo and Luc Segoufin

PhD in progress: Nathan Grosshans, branching program, 15/09/2014, Luc segoufin and Pierre McKenzie (Montreal)

PhD in progress: David Montoya, Personal information management systems, 01/02/2014, Serge Abiteboul

9.2.3. Juries

Luc Segoufin was a member of the HDR jury of Cristina sirangelo.

Cristina Sirangelo was member of a hiring committee for an assistant professor position at Polytech Paris-Sud.

Sylvain Schmitz was a member in two hiring committees for "agrégé préparateur" assistant professor positions at ENS Cachan.

9.3. Popularization

Serge Abiteboul participated in 2014 to the following reports of the Conseil national du numérique: Digital education (Jules Ferry 3.0, Bâtir une école créative et juste dans un monde numérique) and Platform neutrality (Neutralité des plateformes)

Serge Abiteboul started in 2014 a Blog invited by Le monde newspaper: <http://binaire.blog.lemonde.fr>

Serge Abiteboul coordinated the production of a report on Education to Big data [23].

Serge Abiteboul was audited on the Digital Risk by Office Parlementaire d'Évaluation des Choix Scientifiques et Technologiques.

Serge Abiteboul was interviewed on radio notably by: La Matinale d'Europe 1, BFM Business, Radio Campus, Autour de la question, RFI. He had articles notably in: Le monde, Fenêtres sur Cours, Sciences et Avenir, Le Parisien Magazine. He gave talks to Cap digital, Assises Médias Entreprises, Conférence Idées, Université d'été de l'Institut des Actuaire, 10 ans de la Fondation Steri, Orange Labs, Google.

DREAM Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

- Local chair of EGC 2014 in Rennes (R. Quiniou).
- Local chairs of PFIA 2015 in Rennes (T. Guyet, R. Quiniou).
- Organization chairs and program committee members of FST-CERGEIO workshop at EGC 2014 (T. Guyet, R. Quiniou).
- Organization chairs and program committee members of GAST workshop at EGC 2015 (T. Guyet, R. Quiniou).

9.1.1.2. member of the organizing committee

- Organization committee member of EGC 2014 in Rennes (T. Guyet, T. Bouadi, S. Benabderrahmane).

9.1.2. Scientific events selection

9.1.2.1. responsible of the conference program committee

- Steering Committee of RFIA'2014 (T. Guyet).

9.1.2.2. member of the conference program committee

- Program committee member of DX'14 (Principles of Diagnosis)(M.-O. Cordier).
- Program committee member of JIAF'14 (Journées Intelligence Artificielle Fondamentale)(M.-O. Cordier).
- Program committee members of RFIA'2014 (M.-O. Cordier, T. Guyet, A. Termier).
- Program committee members of EGC 2014 and 2015 (R. Quiniou, A. Termier).
- Program committee member of BDA'2014 (A. Termier).
- Program committee member of Data Mining on Networks Workshop of ICDM 2014 (A. Termier)
- Program committee member of International Conference on Data Science and Advanced Analytics (DSAA) 2014 (A. Termier)

9.1.2.3. reviewer

- Reviewer for EDBT'2014 (A. Termier).

9.1.3. Journal

9.1.3.1. member of the editorial board

- *AAI: Applied Artificial Intelligence* (M.-O. Cordier).
- *Interstices webzine* (M.-O. Cordier).
- *Revue d'Intelligence Artificielle* (T. Guyet).

9.1.3.2. reviewer

- *AAI: Applied Artificial Intelligence* (M.-O. Cordier).
- *Interstices webzine* (M.-O. Cordier).
- *Journal of Biomedical Informatics* (T. Guyet).
- *ACM Computing Surveys* (T. Guyet).

- *Data Mining and Knowledge Discovery* (A. Termier).
- *Transactions on Knowledge and Data Engineering* (A. Termier).
- *National Academy Science Letters* (A. Termier).

9.1.4. Scientific animation

9.1.4.1. Scientific and administrative boards

- ECCAI fellow + Honorific member of AFIA (Association Française d'Intelligence Artificielle): M. - O. Cordier
- Member of "Agrocampus-Ouest" scientific board: M.-O. Cordier.
- Member of "Conseil d'administration de l'ISTIC": M.-O. Cordier.
- Head of IRISA department "Data and Knowledge Management" and member of the IRISA scientific management committee: M.-O. Cordier
- Member of the "Prix de thèse AFIA 2014" award committee (selects the best French PhD thesis in the Artificial Intelligence domain): M.-O. Cordier.
- Chair of the INRA CSS-MBIA (Commission scientifique spécialisée "Mathématiques, Biologie et Intelligence Artificielle"): M.-O. Cordier.
- Member of the CoNRS (Comité national recherche scientifique (since october 2012, until september 2014) : M.-O. Cordier
- Chair of an AERES-HCERES evaluation committee and member of two AERES-HCERES evaluation committees : M.-O. Cordier
- Member of two recruitment committees for INRA (CR1 and DR2) : M.-O. Cordier
- Chair of a recruitment committee for a professor position, member of three recruitment committees for assistant-professor positions : M.-O. Cordier
- Member of the AFIA board (since october 2011): T. Guyet.
- Member of the COREGE (Research Committee-COMITÉ de la REcherche du Grand Etablissement) of Agrocampus-Ouest: T. Guyet.
- Evaluator for the Mines-Telecom Foundation, "Futures et Ruptures" program: T. Guyet.
- Evaluator for the National Research Agency (ANR): T. Guyet.
- Member of the Payote-Network board: T. Guyet.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Many members of the EPI DREAM are also faculty members and are actively involved in computer science teaching programs in ISTIC, INSA and Agrocampus-Ouest. Besides these usual teachings DREAM is involved in the following programs:

Master: *Module DSS: Apprentissage sur des données séquentielles symboliques*, 10 h, M2, ISTIC University of Rennes (R. Quiniou).

Master: *C++ Programming*, M1, ENSAI, Rennes (T. Guyet),

Master: *Géoinformation*, M2, Agrocampus Ouest Rennes (L. Bonneau, T. Guyet, C. Largouët)

9.2.2. Supervision

PhDs: Yulong Zhao, “Modélisation d’agroécosystèmes dans un formalisme de type systèmes à événements discrets et simulation de scénarios utilisant des outils de model-checking. Application à l’étude des impacts des changements climatiques et des pratiques agricoles sur les flux de nutriments vers les eaux de surface.”, january 13th 2014, supervisor Marie-Odile Cordier and Chantal Gascuel

PhD in progress: Philippe Rannou, “Modèle rationnel pour humanoïdes virtuels”, october 1st 2010, co-supervisors Marie-Odile Cordier and Fabrice Lamarche

PhD in progress: Serge Vladimir Emteu Tchagou, "Stream mining techniques for online monitoring of MPSoC applications", february 1st 2012, co-supervisors Alexandre Termier, René Quiniou, Miguel Santana and Jean-François Méhaut

PhD in progress: Léon Constantin Fopa, "Mise en contexte de traces pour une analyse en niveaux d’abstraction", january 1st 2012, co-supervisors Fabrice Jouanot, Alexandre Termier and Jean-François Méhaut

PhD in progress: Behrooz Omidvar Tehrani, "Interactive Pattern Space Exploration", october 1st 2012, co-supervisors Sihem Amer-Yahia and Alexandre Termier

PhD in progress: Hamid Mirisaei, "Matrix decomposition for social network analysis and itemset mining", october 1st 2012, co-supervisors Eric Gaussier and Alexandre Termier

PhD in progress: Oleg Iegorov, "Data Mining Environment for Degugging Real Time Issues on MPSoCs", january 1st 2013, co-supervisors Alexandre Termier, Vincent Leroy, Miguel Santana and Jean-François Méhaut

PhD in progress: Rémy Dautriche, "Techniques d’interaction multi-échelles pour la visualisation interactive de traces d’exécution", november 1st 2013, co-supervisors Renaud Blanch, Miguel Santana and Alexandre Termier

9.2.3. Juries

- Committee member of Yulong Zhao’s PhD defence (Université de Rennes 1): M.-O. Cordier , C. Largouët.
- Committee member of Sébastien Silva’s PhD defence (Université de Lorraine): M.-O. Cordier
- Committee chair of Hervé Jegou’s HDR defence (Université de Rennes 1): M.-O. Cordier
- Committee member of Alef Denguir’s PhD defence (Université de Montpellier 2): M.-O. Cordier
- Committee member and reviewer of Jeremy Sanhes’ Phd defence (Université de Nouvelle Calédonie): A. Termier
- Committee member of Christiane Kamdem-Kengne Phd defence (Université de Grenoble Alpes): A. Termier

9.3. Popularization

- M.-O. Cordier is editorial board member of Interstices webzine.

EXMO Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. general chair, scientific chair

- Jérôme Euzenat was organiser of the Ontology matching workshop of the 13th ISWC, Riva del Garda (IT), 2014 (with Pavel Shvaiko, Ming Mao, Ernesto Jiménez-Ruiz, Juanzi Li and Axel Cyrille Ngonga-Ngomo),
- Jérôme Euzenat was co-chair with Maria Keet of the “ontologies” area of the programme committee of the “European Semantic Web Conference (ESWC)”, 2014

8.1.1.2. member of the organizing committee

- Jérôme Euzenat is founding member of the “Semantic Web Science Association” (steering committee for the ISWC conference series).
- Jérôme David has been member of the organisation committee of the “Web of data summer school”, Saint-Étienne (FR).

8.1.2. Scientific events selection

8.1.2.1. member of the conference program committee

- Manuel Atencia and Jérôme Euzenat were programme committee members of the 21st “European conference on artificial intelligence (ECAI)” 2014.
- Jérôme Euzenat was programme committee member of the “International conference on Knowledge Representation and Reasoning (KR)” 2014.
- Manuel Atencia and Jérôme Euzenat were programme committee members of the 13th “International semantic web conference (ISWC)” 2014.
- Jérôme Euzenat was programme committee member of the “International Conference on Formal Ontologies for Information Systems (FOIS)” 2014.
- Jérôme Euzenat was programme committee member of the “International Conference on Conceptual Structures (ICES)” 2014.
- Jérôme Euzenat was programme committee member of the conference «Reconnaissance des Formes et Intelligence Artificielle (RFIA)» 2014.
- Manuel Atencia, Jérôme David and Jérôme Euzenat were programme committee members of the “knowledge engineering (ingénierie des connaissances)” conference 2014.
- Jérôme Euzenat was programme committee member of the conference “French fundamental artificial intelligence days” (JIAF) 2014.
- Jérôme David and Tatiana Lesnikova have been programme committee members of the 9th “Ontology matching workshop (OM)”, 2014.
- Jérôme David has been programme committee member of the IC workshop “Des sources ouvertes au web des données (SoWeDo)”, 2014.

8.1.2.2. reviewer

- Manuel Atencia has been reviewer for the 17th “International Conference on Database Theory” (ICDT) 2014.

- Jérôme David has been reviewer for the 21st “European conference on artificial intelligence (ECAI)” 2014.
- Jérôme David has been reviewer for the 11th “European Semantic Web Conference (ESWC)”, 2014.
- Jérôme David has been reviewer for the 21st International Conference on Conceptual Structures (ICES), 2014.

8.1.3. Journal

8.1.3.1. member of the editorial board

- Jérôme Euzenat is editorial board member of *Journal of Web Semantics*, *Journal on Data Semantics* and *Semantic web journal*.

8.1.3.2. reviewer

- Jérôme Euzenat has been reviewer for the Journal of Artificial Intelligence Research.
- Jérôme Euzenat has been reviewer for the Semantic web journal.
- Jérôme Euzenat has been reviewer for the Journal of the Association for Information Science and Technology.

8.1.4. Seminars

- Seminar on “Data integration with ontologies through alignments”, Semanco VoCamp, Barcelona (ES), 13/02/2014 (Jérôme Euzenat).
- Invited talk on “Foundations for revising networks of ontologies”, WoDOOM workshop, Hersounis-sos (GR), 26/05/2014 (Jérôme Euzenat).
- Invited talk on “Raisonnement avec des réseaux d’ontologies”, Journées d’intelligence artificielle fondamentale, Angers (FR), 12/06/2014 (Jérôme Euzenat).
- Invited talk on “Représenter, communiquer, échouer”, Journée ARIA de promotion de l’intelligence artificielle, Paris (FR), 2/10/2014 (Jérôme Euzenat).

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

- Licence: Jérôme David, Inff3 Algorithmique et programmation par objets, 70, L2 MASS, UPMF, France
- Licence: Manuel Atencia, Introduction aux technologies du Web, L3 MASS, UPMF, France
- Master: Jérôme David, Documents XML, 30, M1, UPMF, France
- Master: Manuel Atencia, Langages et technologies du Web 1, M1 IC2A, UPMF, France
- Master: Manuel Atencia, Langages et technologies du Web 2, M1 IC2A, UPMF, France
- Master: Jérôme David, Développement Web Mobile, 30, M2, UPMF, France
- Master: Manuel Atencia, Web Sémantique, M2 IC2A, UPMF, France
- Master: Jérôme Euzenat, Semantic web: from XML to OWL, 22heqTD, M2R, Université Joseph Fourier & INPG, France
- Post-graduate level: Jérôme Euzenat and Pavel Shvaiko, Ontology matching, 3h, Tutorial ISWC, Riva del Garda, Italy

8.2.2. Supervision

- PhD: Zhengjie Fan, Concise Pattern Learning for RDF Data Sets Interlinking, Université de Grenoble, 4/4/2014, supervisors: Jérôme Euzenat and François Scharffe
- PhD in progress: Tatiana Lesnikova, Multilingual data interlinking, 1/10/2012, supervisors: Jérôme Euzenat and Jérôme David

- PhD in progress: Armen Inants, Ontology alignment algebra, 1/12/2012, supervisor: Jérôme Euzenat
- PhD in progress: Adam Sanchez Ayte, Ontology alignment and data interlinking evolution on the web of data, 1/12/2013, supervisor: Jérôme Euzenat and Jérôme David

8.2.3. Juries

- Jérôme Euzenat has reviewed the PhD dissertation of Sébastien Harispe, Knowledge-based semantic measures: from theory to application, Université de Montpellier 2, 25/04/2014, supervisors: Jacky Montmain and Sylvie Ranwez
- Jérôme Euzenat was member of the HDR committee of Fabian Suchanek, Contribution à l'avancement des grandes bases de connaissances, Université Pierre et Marie Curie, 10/09/2014
- Jérôme Euzenat chaired the PhD committee of Mustafa Al-Bakri, Uncertainty-sensitive reasoning over the web of data, Université de Grenoble, 15/12/2014, supervisors: Marie-Christine Rousset and Manuel Atencia

8.3. Popularization

- Jérôme Euzenat gave a talk to the Canopé network conference cycle on “Communication et adaptation: la fabrique de la communication flexible (communication and adaptation: the making of flexible communication), CROP, Grenoble (FR), 2/04/2014.
- Jérôme Euzenat gave a talk to the 7es journées de l'interopérabilité des applications d'entreprise (JIAE) on “Aligner les ontologies pour communiquer (matching ontologies to communicate)”, Saint-Étienne (FR), 16/05/2014.
- Jérôme David participates to the working group “Créer et maintenir une interconnexion sémantique des grands référentiels culturels: le "Graphe Culture"” of the ministry of Culture. <http://cblog.culture.fr/projet/2013/11/07/groupe-de-travail-metadonnees-culturelles/>

GRAPHIK Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

- Madalina Croitoru was general chair of ICCS 2014 (21st International Conference on Conceptual Structures) <http://iccs2014.info.uaic.ro/index.php>.

9.1.1.2. Member of the organizing committee

- Fabien Garreau was member of the organizing committee of JIAF 2014 (Journées d'Intelligence Artificielle Fondamentale) <http://jiaf2014.univ-angers.fr/index.php?accueil>.
- Jérôme Fortin was member of the local organizing committee of IPMU 2014 (15th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based System) <http://www.ipmu2014.univ-montp2.fr/>.
- Patrice Buche was member of the initiative committee for a special session in IPMU'2014 (Decision Support and uncertainty management in Agri-Environment) <http://www.ipmu2014.univ-montp2.fr/SpecialSessions.php>.
- Patrice Buche was member of the initiative committee for a special session in MTSR'2014 (Metadata and Semantics for Agriculture, Food & Environment) <http://www.mtsr-conf.org/>.
- Patrice Buche was member of the initiative committee for a special session in IC'2014 (IN-OVIVE 2014) https://colloque6.inra.fr/in_ovive_2014.

9.1.2. Scientific events selection

9.1.2.1. Responsible of the conference program committee

- Marie-Laure Mugnier (along with Roman Kontchakov, London) was Program Chair of the 8th International Conference on Web Reasoning and Rule Systems (RR'2014), Athens, 2014 <http://rr2014.di.uoa.gr/>.

9.1.2.2. Member of the conference program committee

- Marie-Laure Mugnier was senior PC member of AAAI 2015 (AAAI Conference on Artificial Intelligence).
- Federico Ulliana was PC member of AAAI 2015 (AAAI Conference on Artificial Intelligence).
- Marie-Laure Mugnier and Souhila Kaci were PC members of ECAI 2014 (European Conference on Artificial Intelligence).
- Jean-François Baget was PC member of RR 2014 (International Conference on Web Reasoning and Rule Systems).
- Jean-François Baget and Michel Leclère were PC members of ESWC 2014 (European Semantic Web Conference).
- Jérôme Fortin was PC member of ICCS 2014 (International Conference on Conceptual Structures).
- Marie-Laure Mugnier was PC member of NMR 2014 (Non Monotonic Reasoning Workshop).
- Souhila Kaci was PC member of MPREF'14 (Workshop on Advances in Preference Handling).
- Madalina Croitoru was PC member of the special session on "Decision Support and uncertainty management in Agri-Environment" of IPMU 2014 (15th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based System).

- Madalina Croitoru was PC member of COMMA 2014 (5th International Conference on Computational Models of Argument).
- Madalina Croitoru was PC member of AGI-14 (7th Conference on Artificial General Intelligence).
- Madalina Croitoru was PC member of AIMSIA 2014 (16th International Conference on Artificial Intelligence: Methodology, Systems, Applications).
- Madalina Croitoru was PC member of IBERAMANIA 2014 (Ibero-American Conference on Artificial Intelligence).
- Rallou Thomopoulos was PC member of IPMU 2014 (Information Processing and Management of Uncertainty in Knowledge-Based Systems).
- Patrice Buche was PC member of CARI 2014 (Colloque africain sur la recherche en informatique et mathématiques appliquées)
- Marie-Laure Mugnier was PC member of JIAF 2014 (Journées d'Intelligence Artificielle Fondamentale).
- Rallou Thomopoulos was PC member of GeCSO (Gestion des Connaissances dans la Société et les Organisations).
- Patrice Buche was PC member of IC 2014 (Journées francophones d'Ingénierie des Connaissances).
- Patrice Buche was PC member of RFIA 2014 (Congrès national sur la Reconnaissance de Formes et l'Intelligence Artificielle).

9.1.3. Journal

9.1.3.1. Member of the editorial board

- Madalina Croitoru is member of the editorial board of the International Journal of Conceptual Structures and Smart Applications (IJCSA).
- Marie-Laure Mugnier is member of the editorial committee of the journal Revue d'Intelligence Artificielle (RIA).

9.1.3.2. Reviewer

- Transactions on Database Systems (TODS)
- Journal of Artificial Intelligence (JAIR)

9.1.4. Scientific Animation

- Patrice Buche animates the national network INRA IN-OVIVE <http://www6.inra.fr/reseau-in-ovive>.
- Patrice Buche animates the regional seminar MIA <http://umr-iate.cirad.fr/seminaires/aide-a-la-decision>.
- Souhila Kaci animates the LIRMM seminar on Artificial Intelligence <https://www.lirmm.fr/recherche/departements/info/poles-de-recherche/ia>.

9.1.5. Invited Talks

- Marie-Laure Mugnier gave an invited talk at the 10th Reasoning Web Summer school (RW'2014), Athens, Sept. 2014. <http://rw2014.di.uoa.gr/>. Title : "Ontology-Based Query Answering with Existential Rules" http://rw2014.di.uoa.gr/sites/default/files/slides/Ontology-Based_Query_Answering_with_Existential_Rules.pdf.
- Madalina Croitoru gave an invited talk at the MIA-INRA seminar, Lyon, March 2014. https://colloque6.inra.fr/math_info/Programme-Actes. Title: "Ingénierie de la connaissance et argumentation". https://colloque.inra.fr/math_info/content/download/318/3534/version/1/file/Madalina_Croitoru.pdf
- Madalina Croitoru gave an invited talk at the INCOM-INRA seminar, Paris, April 2014. Title: "Argumentation based Explanation in Agronomy".

- Marie-Laure Mugnier gave an invited talk at 25èmes journées francophones d’ingénierie des connaissances (IC’2014), Clermont Ferrand, May 2014. <http://www.irit.fr/IC2014>. Title: “*Un nouveau cadre pour l’interrogation de données basée sur une ontologie : les règles existentielles*”<http://www.irit.fr/CMS-DRUPAL7/IC2014/>.
- Marie-Laure Mugnier gave an invited talk at the INRA Open Data seminar, Montpellier, Dec. 2014. <http://www6.inra.fr/reseau-in-ovive/Actions-du-reseau/Seminaires/Seminaire-Open-Data-du-17-19-December-2014>. Title: “*L’approche OBDA*”.
- Federico Ulliana gave an invited talk at the INRA Open Data seminar, Montpellier, Dec. 2014. Title: “*My Corporis Fabrica*”. <http://www6.inra.fr/reseau-in-ovive/Media/Fichier/seminaires/Seminaire-Open-Data-du-17-19-December-2014/My-Corporis-Fabrica>
- Michel Chein gave an invited talk at the ISIMA-LIMOS Seminar, Clermont-Ferrand, Dec. 2014. Title: “*Un problème d’identification d’entités nommées dans les bases bibliographiques.*”

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

The next table details the number of lecture hours as well as the number of module responsibilities for each team member.

Name	Position	2013/14	Cursus (*)	Module Resp. (per year)
J.-F. Baget	Research Scientist	40	M (UM2)	1
M. Croitoru	Assistant Prof.	198	L2	2
M. Chein	Emeritus Prof.	0		
J. Fortin	Assistant Prof	230	Polytech	2
S. Kaci	Professor	198	L and M(UM2)	3
M. Leclère	Assistant Prof.	196	L and M (UM2)	2
M. -L. Mugnier	Professor	192	L and M (UM2)	3
L. Guizol	PhD	64	L (UM2)	no
M. König	PhD	64	L (UM2)	no
A. Arioua	PhD	12	L (UM2)	no

(*) L =Licence, M = Master (M1 = first year, M2 = second year), UM2 = Univ. Montpellier 2 (Sciences), IUT = Institute of Technology of UM2 (Licence Cursus), Polytech = Engineering School of UM2, UM3 = Univ. Montpellier 3 (Art and Humanities)

The courses taught by team members are mainly in Logics (in Licence), Artificial Intelligence, Knowledge Representation, Knowledge Engineering, and Decision Support (in Master). We are also responsible of modules in Web Technologies (Professional L at IUT) and Databases (L).

We have some specific responsibilities in the Computer Science Licence and Master:

- Michel Leclère is co-responsible of the master speciality DECOL (about 30 students) started in September 2011.
- Marie-Laure Mugnier is co-responsible of the Computer Science Master started in September 2011 (about 250 students), which gathers six specialties. She is also leading the Master project for the next four years (LMD4).
- Souhila Kaci is leading the Licence project for the next four years (LMD4).
- Madalina Croitoru is responsible of the special year teaching formation at IUT Montpellier II (25 students).

9.2.2. Supervision

Madalina Croitoru defended her HDR in November *Reasoning about Knowledge as Graphs: Practical Artificial Intelligence Applications* [15]. The jury was:

- Leila Amgoud, Directeur de Recherche, IRIT, Toulouse, France (reviewer)
- Ollivier Haemmerle, Professeur, IRIT, Toulouse, France (reviewer)
- Jan Top, Professeur, Vrije, Universiteit, Netherlands (reviewer)
- Jérôme Lang, Directeur de Recherche, Paris Dauphine, France (examiner)
- Marie-Laure Mugnier, Professeur, Univ. Montpellier 2, France (examiner)

Bruno Paiva Lima da Silva defended his PhD in January *Data Access over Large Semi-Structured Databases* [18]. The jury was:

- Ollivier Haemmerlé, Professeur, IRIT (reviewer)
- Fabien Gandon Dr. & HDR, Inria Sophia-Antipolis (reviewer)
- Odile Papini, Professeur, Université Aix-Marseille II (examiner)
- Marie-Laure Mugnier, Professeur, Université Montpellier II (advisor)
- Jean-François Baget, Chargé de Recherche, Inria (co-advisor)
- Madalina Croitoru, Maître de Conférences, Université Montpellier II (co-advisor)

Mélanie König defended her PhD in October *Interrogation de grandes bases de connaissances : algorithmes de réécriture de requêtes conjonctives en présence de règles existentielles* [17]. The jury was:

- Bernardo Cuenca Grau Tenure, Associate Professor, Univ. Oxford (reviewer)
- Igor Stephan, Maître de conférence HDR, Univ. Angers (reviewer)
- Marianne Huchard, Professeur, Univ. Montpellier II (examiner)
- Lhouari Nourine, Professeur, Univ. Blaise Pascal (examiner)
- Meghyn Bienvenu, Chargé de recherche CNRS, Univ. Paris Sud (examiner)
- Remi Coletta, Maître de conférence, Univ. Montpellier II (examiner)
- Marie-Laure Mugnier, Professeur, Univ. Montpellier II (advisor)
- Michel Leclère, Maître de conférence, Univ. Montpellier II (co-advisor)

Tjitze Rienstra defended his PhD in October *Argumentation in Flux – Modelling change in the theory of argumentation*. The jury was:

- Lluís Godo, professor, Institut d'Investigació en Intel·ligència Artificial, Bellaterra, Spain (chairman)
- Pietro Baroni, professor, Università degli Studi di Brescia, Italy (vice-chairman)
- Beishui Liao, professor, Zhejiang University, China (member)
- Richard Booth, researcher, Université du Luxembourg (member)
- Leon van der Torre, professor, Université du Luxembourg (co-supervisor)
- Souhila Kaci, professor, Université de Montpellier, France (co-supervisor)

Léa Guizol defended her PhD in November *Partitioning semantics for entity resolution and link repairs in bibliographic knowledge bases* [16]. The jury was:

- Nathalie Aussenac, Directeur de recherches, CNRS, IRIT, Toulouse (reviewer)
- Englebert Mephu Nguifo, Professeur, Université Clermont-Ferrand (reviewer)
- Mathieu Roche, Directeur de recherches, Université Montpellier II (examiner)
- Marie-Laure Mugnier, Professeur Université Montpellier II (advisor)
- Madalina Croitoru, Maître de conférences, Univ. Montpellier II (co-advisor)

The PhDs in progress are:

Fabien Garreau (ANR ASPIQ grant), Algorithms for stable model semantics and existential rules (ANR ASPIQ, with Univ. of Angers), Sept. 2012, supervised by Igor Stephan, Jean-François Baget and Laurent Garcia

Swan Rocher (ANR Qualinca grant), Reasoning with inconsistent knowledge bases in presence of existential rules (ANR Qualinca), Sept. 2013, supervised by Marie-Laure Mugnier and Jean-François Baget

Namrata Patel (Univ. Montpellier II grant), Preference Handling in Decision Problems (ministry grant), Sept. 2013, supervised by Souhila Kaci

Abdallah Arioua (ANR Dur-Dur& INRA Grant), Argumentation Theory and its Application to Knowledge-based Systems, started Nov. 2013, supervised by Patrice Buche, Madalina Croitoru and Jérôme Fortin.

9.2.3. Juries

Jury member - Mustafa AL BAKRI - Uncertainty-Sensitive Reasoning over the Web of Data - December 15, 2014 - Université de Grenoble, LIG (Marie-Laure Mugnier)

Jury member - Rim TOUHAMI - Construction et évolution d'une ressource termino-ontologique dédiée à la représentation de relations n-aires, application à l'évaluation du risque microbiologique dans des aliments emballés - Université Montpellier 2, UMR IATE, MIA & AgroParisTech, September 5, 2014 (Marie-Laure Mugnier)

Reviewer - Maxime LEFRANCOIS - "Représentation des connaissances sémantiques lexicales de la Théorie Sens-Texte : Conceptualisation ; représentation ; et opérationnalisation des définitions lexicographiques" - Université de Nice, Inria & I3S, June 24, 2014 (Marie-Laure Mugnier)

Recruitment committee member: Assistant Professor position at Université d'Orsay (Marie-Laure Mugnier)
Assistant Professor position at Université Montpellier 2 (Madalina Croitoru, Marie-Laure Mugnier)

LINKS Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. General chair, scientific chair

Sophie Tison is in the scientific committee of RTA (Rewriting Techniques and Applications) and STACS (Symposium on Theoretical Aspects of Computer Science). She is also in the editorial committee of RAIRO-ITA (Theoretical Informatics and Applications).

8.1.2. Scientific events selection

8.1.2.1. Member of the conference program committee

Joachim Niehren was member of the program committees of LATA (International Conference on Language and Automata Theory and Applications) 2015, WPTE (Rewriting Techniques for Program Transformations and Evaluation) 2015, STACS (Symposium on Theoretical Aspects of Computer Science) 2014 and WPTE (Rewriting Techniques for Program Transformations and Evaluation) 2015.

Iovka Boneva was member of program committee ABDIS (East-European Conference on Advances in Databases and Information Systems) 2014

Angela Bonifata was member of the program committees of VLDB (Very large Database Conference) 2014 and 2015, EDBT (International Conference on Extending Database Technology) 2014, SIGMOD (International conference in Data Management) 2014, ICDT (International Conference on Database Theory) 2014 and 2015 and ICDE (International Conference of Data Engineering) 2015.

Slawomir Stawork is member of the program committees of WebDB (International Workshop on the Web and Databases) 2014.

8.1.3. Journal

8.1.3.1. Reviewer

The members of the team reviewed papers in numerous journal papers such as Journal of ACM, TODS, TKDE, PVLDB, Information System, Information and Computation.

8.1.4. Scientific Responsibilities

S. TISON is head of the computer science lab in Lille (LIFL). She is elected member of the "Comité National de la Recherche Scientifique (CoNRS)" (Section 6). She was president of the scientific and technical council of the cluster "Pôle de Compétitivité Industries du commerce" until June 2014. and she is member of the administrative board of the cluster Pictanovo. She have been elected member of the Administrative committee of University of Lille 1 since September 2014 She was member of the evaluation committee AERES IRIT.

Boneva is a member of the Data Shapes Working Group which mission is to produce a language for defining structural constraints on RDF graphs. <http://www.w3.org/2014/data-shapes/charter>

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

License: Angela Bonifati, Introduction to Databases, 54h, L3, Université Lille 1, France
 Master (Mocad): Pierre Bourhis Information extraction, 18h, M2, Université Lille 1, France
 Master (Mocad): A. Bonifati Information extraction, 18h, M2, Université Lille 1, France
 Master : S. Tison Advanced algorithms and complexity, M1, 57h, Université Lille 1, France
 Master : S. Tison, Fouille de données, M1, 30h, Université Lille 1, France
 Master: A. LEMAY, XML Technologies, 16h, M2, Université Lille 3, France
 DUT : Iovka Boneva, 100h, Université Lille 1, France

Angela Bonifati is the co-responsible of the Master MOCAD of the University of Lille1.

Aurélien Lemay is pedagogical responsible for Computer Science and numeric correspondent for UFR LEA Lille 3.

8.2.2. Supervision

PhD : A. M. NDIONE, Probabilistic algorithms for tree automata and transducers. Since Sept. 2010. 16th April 2014. Supervised by Niehren and Lemay
 PhD: G. LAURENCE, Normalisation et Apprentissage de Transformations d' Arbres en Mots. Since Sept 2010 4th June 2014 Supervised by Niehren and Lemay and Staworko.
 PhD in progress : R.CIUCANU, Cross-model queries and schema mappings: evaluation and learning. Since Sept. 2012. Supervised by Bonifati.
 PhD in progress : T. SEBASTIAN, Streaming algorithms for XSLT. Since May 2011. Supervised by Niehren.
 PhD in progress: A. BOIRET, Top-down tree transformations with look-ahead : foundations and learning. Since Sept. 2011. Supervised by Niehren and Lemay.

8.2.3. Juries

HDR: Joachim Niehren was reviewer of the HDR of Pierre Senellart (Institut Télécom Paris-Tech) and comity member of Agata Savary (University of Blois).

Sophie Tison was reviewer for the HDR of E. Contejean (University South Paris) and M. Morvan (University East Paris). She was a member of the committy of B. Ben Amor.

PhD:

Joachim Niheren was president of the jury of Evguenia Kopylova and Antoine Thomas.

Angela Bonifati was member of the jury of Ioana Ileana.

Sophie Tison was reviewer of the PhD of J. Amavi and member of the jury of A. Ndione, R. Auguste, A. Aissaoui and O. Rihawi.

Slawomir Staworko was member of the Jury of Jean Decoster.

Selection Comity :

Iovka Boneva was member of the selection comity for Junior Researcher (CR2) Inria Saclay

Sophie Tison was member of Selection comity for Professor at Lille1, and Associate Professor at Lens and Marseille. She was also in the Evaluation Comity of for the pre-proposition of ANR and member of the jury IUF senior 2014.

Pierre Bourhis was member of a comity selection for Associate Professor at Rennes.

8.3. Popularization

The team has participated at "Journée RIC " of University Lille 1. In particular, Angela Bonifati, Radu Ciucianu and Tom Sebastian presented two demonstrations related to and X-Fun.

MAGNET Team

9. Dissemination

9.1. Promoting Scientific Activities

PASCAL DENIS served as member of the program committee of ACL 2014, COLING 2014, EACL 2014, and EMNLP 2014.

RÉMI GILLERON served as member of the program committee of CAP'2014.

MARC TOMMASI served as member of the program committee of CAP'2014.

FABIEN TORRE served as member of the program committee of ICPRAM 2015, EGC 2015, CluCo 2015, ECAI 2014, ICPRAM 2014.

9.1.1. Reviewer

MIKAELA KELLER served as member of the program committee of NIPS 2014 and CAP'2014, of the scientific committee reviewing Digiteo post-doctoral grant proposal.

MIKAELA KELLER was also reviewer for EGC 2015.

FABIO VITALE was reviewer for NIPS 2014.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Master MOCAD: PASCAL DENIS, Extraction d'information, 18h, M2, Université Lille 1, France

Master MOCAD: DAVID CHATEL, Extraction d'information, 3h30, M2, Université Lille 1, France

Master MIASHS: RÉMI GILLERON, Bases de données avancées, 24h, M1, Université de Lille, France

Master MIASHS: RÉMI GILLERON, Programmation R (1), 24h, M1, Université de Lille, France

Master MIASHS: RÉMI GILLERON, Programmation R (2), 24h, M1, Université de Lille, France

Master MIASHS: RÉMI GILLERON, Algorithmes de fouille de données, 36h, M1, Université de Lille, France

Licence MIASHS: RÉMI GILLERON, Programmation Python, 36h, L1, Université de Lille, France

Licence : MIKAELA KELLER, Introduction to computer science and programming, 46h, L1 and L2, Université Lille 3, France

Licence : MIKAELA KELLER, Introduction to Statistical Learning, 54h, L3, Université Lille 3, France

Licence : MIKAELA KELLER, C2i, 55h, L2-L3, Université Lille 3, France

Licence MIASHS: MARC TOMMASI, Réseaux, 64h, L1 and L2, Université de Lille, France

Licence MIASHS: MARC TOMMASI, Programmation client, 24h, L2, Université de Lille, France

Licence : MARC TOMMASI, C2i, 25h, L2, Université de Lille, France

Licence : MARC TOMMASI, Culture numérique, 30h, L2, Université de Lille, France

Master : FABIEN TORRE, langages statiques du web, 37h, M1, Université Lille 3, France

Master : FABIEN TORRE, algorithmique et programmation php pour le web, 75h, M1, Université Lille 3, France

Master : FABIEN TORRE, algorithmique et programmation pour l'extraction d'information, 55h, M2, Université Lille 3, France

Master : FABIEN TORRE, javascript langage dynamique du web, 38h, M2, Université Lille 3, France

Licence : FABIO VITALE, C2i, 25h, L1, Université Lille 3, France

Licence MIASHS (SHS) : FABIO VITALE, Intelligence Artificielle, 31h30, L2, Université Lille 3, France

Master MIASHS (SHS) : FABIO VITALE, Classification non supervisée, 30h, M1, Université Lille 3, France

Licence SHDS (SHS) : FABIO VITALE, TICE, 18h, L1, Université Lille 3, France

Licence SQ (SHS) : FABIO VITALE, Algorithmique de graphes, 19h, L3, Université Lille 3, France

FABIEN TORRE teaches a course at EPAT 2014 (École de Printemps sur l'Apprentissage artificiel) on Machine Learning Collaborative Methodes.

RÉMI GILLERON is in charge of Master Mathématiques et Informatique Appliquées aux Sciences Humaines et Sociales (MIASHS) at Université de Lille.

MARC TOMMASI is a member of the "conseil de l'UFR MIME".

FABIEN TORRE is "secrétaire du CHSCT (Comité hygiène, sécurité et conditions de travail) de Lille 3" since Dec. 2012.

9.2.2. Supervision

PhD: THOMAS RICATTE, Hypernode graphs : a new data structure for higher order learning, Université Lille 3, since May 2011, defense scheduled for Jan. 2015, RÉMI GILLERON

PhD in progress: DAVID CHATEL, Supervised Spectral Clustering and Information Diffusion in Graphs of Texts, Université Lille 1, since Sept. 2012, PASCAL DENIS and MARC TOMMASI

PhD in progress: PAULINE WAUQUIER, Recommendation in Information Networks, Université Lille 1, since Dec. 2013 supervised by MARC TOMMASI and MIKAELA KELLER

PhD: Jean Decoster, Programmation logique inductive pour la classification et la transformation de documents semi-structurés, Université Lille 1, since Sept. 2009, defense on July 2014, FABIEN TORRE, RÉMI GILLERON and SLAWOMIR STAWORKO

PhD in progress: EMMANUEL LASSALLE, Improved Coreference Resolution with Feature Space Learning, Université Paris-Diderot, since Sept. 2010, PASCAL DENIS and LAURENCE DANLOS (Université Paris-Diderot)

PhD in progress: CHLOÉ BRAUD, Discourse Relation Identification from Labeled and Unlabeled Data, Université Paris-Diderot, since Sept. 2011, PASCAL DENIS and LAURENCE DANLOS (Université Paris-Diderot)

Master in progress: MATHIEU DEHOUCK, Propagating structured labels for Dependency Parsing, Université Lille 1, supervised by PASCAL DENIS

PhD in progress: GÉRAUD LE FALHER, Machine Learning in Signed Graphs, Inria Lille – Nord Europe, since Oct. 2014, MARC TOMMASI, FABIO VITALE and CLAUDIO GENTILE (University of Insubria, Italy).

MARC TOMMASI wrote a report for the Phd thesis of Daniel Bernades ("LIP6", France).

9.2.3. Juries

MIKAELA KELLER was a member of the following selection/hiring committees: PhD committee of J.P. Peyrache, Université de St Etienne (France), MdC hiring committees at Université Paris-Sud, and MdC hiring committees at Université Paris 6 (France).

MARC TOMMASI was member of the following selection/hiring committees: UPMC (Paris 6): Professor, St Etienne (France): Assistant professor and Lille (France): Inria young researchers (CR2).

MARC TOMMASI was also reviewer for Crédit Impot Recherche.

FABIEN TORRE participated in the selection committees "COS" for the 27 MCF 0133 and 27 MCF 0470 position (spring 2014, Lens, France).

9.3. Popularization

MARC TOMMASI was invited to give seminars at (i) Inria Rennes and (ii) LiX Colloquium on data science.

MIKAELA KELLER was involved in "Fête de la science" as a "chercheur itinérant".

MAIA Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. Selection Committees, AERES

- François Charpillet was member of two selection committees in University of Lyon and Lorraine University
- François Charpillet was member of the AERES evaluation committee for IRIT, Toulouse and LISSI, Université Paris Est.

9.1.1.2. Organizing committee membership

- François Charpillet is member of the scientific council of the Robotic GDR.
- Vincent Thomas was part of the organizing committee of the "Expressive game seminar", held in Metz, the 24th and 25th of November (<http://exgames.event.univ-lorraine.fr/>). This international seminar involved two laboratories of the university of Lorraine, the CREM (Centre de recherche sur les médiations) and the LORIA. It gathered international specialists of game design and was part of the PEPS Majestic research program.
- Vincent Thomas was part of the organizing committee of the conference "From traditional game to digital game" (<http://tgdg2014-fr.event.univ-lorraine.fr/>), held in Nancy, the 26th, 27th and 28th of November.

9.1.2. Scientific events selection

9.1.2.1. Conference program committee membership

- Amine Boumaza was a member of the program committee of the following international conferences: GECCO'14 (The Genetic and Evolutionary Computation Conference), CEC'14 (Congress on Evolutionary Computation), Alife'14 Int. Conf. on the Synthesis and Simulation of Living Systems. He was a member of the jury of the AFIA thesis award.
- Olivier Buffet was a reviewer for the conferences ECAI'14 (European Conference on Artificial Intelligence), ICAPS'14 (International Conference on Automated Planning and Scheduling), UAI'14 (International Conference on Uncertainty in Artificial Intelligence), JFPDA'14 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes), RFIA'14 (conférence sur la reconnaissance des formes et l'intelligence artificielle).
- François Charpillet was member of the program committees for : Macorex workshop at ECAI'14, MSDM 2014 at AAMAS'14, SENSORNETS 2015, ICAART 2015.
- Vincent Chevrier was a reviewer for IAT'14 (IEEE/WIC/ACM International Conference on Intelligent Agent Technology), ACRI'14 ABSim&CA (International Conference on Cellular Automata for Research and Industry, Agent-Based Simulation & Cellular Automata Workshop) JFSMA'14 (Journées francophones sur les Systèmes multi-Agents).
- Francis Colas was member of the program committee of SAB2014 (Simulation of Adaptive Behaviors).
- Alain Dutech was a reviewer for the conferences JFPDA'14 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes), and ECAI'14 (European Conference on Artificial Intelligence).

- Nazim Fatès was a member of the program committee of the international conferences: ACRI'14 (11th International Conference on Cellular Automata for Research and Industry), and the following workshops: ACA'14 (Third International Workshop on Asynchronous Cellular Automata and Asynchronous Discrete Models) and ABSim&CA'14 (First International Workshop on Agent-Based Simulation & Cellular Automata), ANTS'14 (Ninth Int. Conf. on Swarm Intelligence).
- Bruno Scherrer was part of the program committee for for the international conferences NIPS'14 (Neural Information Processing Systems), ECAI'14 (European Conference on Artificial Intelligence) and MED'14 (Mediterranean Conference on Control and Automation), for the international NIPS'14 Workshop "From Bad Models to Good Policies", and for the French conferences CAP'14 (Conférence d'apprentissage automatique) and JFPDA'14 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes).
- Vincent Thomas was a reviewer for JFPDA'14 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes).
- Serena Ivaldi was associate editor for the conference Humanoids 2014 (International Conference on Humanoid Robots).

9.1.2.2. Reviewing activities

- François Charpillet was reviewer for the IROS 2014 (IEEE/RSJ International Conference on Intelligent Robots and Systems) and ICRA 2015 (IEEE International Conference on Robotics and Automation), ASROB at IROS 2014, Macorex workshop at ECAI'14, MSDM 2014 at AAMAS'14, SENSORNETS 2015, ICAART 2015.
- Francis Colas was reviewer for the IROS 2014 (IEEE/RSJ International Conference on Intelligent Robots and Systems) and ICRA 2015 (IEEE International Conference on Robotics and Automation).
- Nazim Fatès was a reviewer for the ALIFE'14 and MOSIM'14 conferences.
- Serena Ivaldi was reviewer for the HRI'15 conference (International Conference on Human-Robot Interaction).

9.1.3. Journal

9.1.3.1. Editorial board membership

- Amine Boumaza is a review editor of the International Journal *Frontiers in Robotics and AI: Evolutionary Robotics*.
- Olivier Buffet is a member of the editorial boards of the “*revue d'intelligence artificielle*” (RIA), and the “Journal of Artificial Intelligence Research” (JAIR).
- Serena Ivaldi is a review editor of the International Journal *Frontiers in Robotics and AI: Humanoid Robotics*. She is co-organiser of the Special Issue on “Whole-body control of contacts for Humanoid Robots” in the Autonomous Robots journal.

9.1.3.2. Reviewing activities

- Amine Boumaza was a reviewer for the Evolutionary Intelligence journal.
- Olivier Buffet was a reviewer for the journals: AIJ (Artificial Intelligence Journal), JAIR (Journal of Artificial Intelligence Research), and Neurocomputing.
- François Charpillet was a reviewer for Journal of Intelligent and Robotic Systems
- Vincent Chevrier was a reviewer for IEEE Transactions on Services Computing (TSC),
- Francis Colas was a reviewer for the Autonomous Robots journal.
- Alain Dutech was a reviewer for RIA (Revue d'Intelligence Artificielle), EJOR (European Journal of Operational Research), and JAIR (Journal of Artificial Intelligence Research).
- Nazim Fatès was a reviewer for *Natural Computing*, *Theoretical Computer Science* and *Proc. of the National Academy of Sciences, Sec. A, India*.

- Serena Ivaldi was a reviewer for the journals: Robotics and Autonomous Systems, Autonomous Robots, IEEE Transactions on Cybernetics.
- Bruno Scherrer made reviews for the following journals: Journal of Machine Learning Research, Annals of Operations Research, Applied Mathematics & Optimization and IEEE Transactions on Neural Networks and Learning Systems.
- Vincent Thomas was a reviewer for IEEE Transactions on Cybernetics.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Master: Alain Dutech, Numerical Learning in AI, 15h eq TD, Master 1 Cognitive Sciences, Université de Lorraine, France.

Master: Nazim Fatès, Collective and intelligent agents, 15h eq TD, Master 1 Cognitive Sciences, Université de Lorraine, France.

Master: Nazim Fatès, Complex adaptative systems, 20h eq TD, Master 2 Computer Science, Université de Lorraine, France.

Master: Vincent Thomas, Game Design, 20h eq TD, Master 1 Cognitive Sciences, Université de Lorraine, France.

Master: Vincent Thomas, Serious Game, 10h eq TD, Master 2 Cognitive Sciences, Université de Lorraine, France.

Master: Vincent Thomas, Numerical Learning, 12h eq TD, Master 2 Computer Science IPAC (Image, Perception, Action, Cognition), Université de Lorraine, France.

9.2.2. Supervision

PhD: Amandine Dubois, “*Mesure de la fragilité et détection de chutes pour le maintien à domicile des personnes âgées*”, Université de Lorraine, Sept. 2014, F. Charpillet (advisor).

PhD: Jano Yazbeck, “*Secure and precise immaterial hanging for automated vehicles*”, Université de Lorraine, Oct. 2014, F. Charpillet (advisor), A. Scheuer.

PhD in progress: Mihai Andries, “*Calcul spatialisé pour l’assistance à la personne: étude d’un réseau de dalles intelligentes*”, Université de Lorraine, Oct. 2012, F. Charpillet (advisor), O. Simonin.

PhD in progress: Benjamin Camus, “*Un laboratoire virtuel pour la multi-modélisation*”, Université de Lorraine, Oct 2012, Christine Bourjot, Vincent Chevrier (advisor).

PhD in progress: Abdallah Dib, “*Assistance à la personne en perte d’autonomie: étude de l’apport d’un robot compagnon*”, Université de Lorraine, March. 2013, F. Charpillet (advisor).

PhD in progress: Iñaki Fernández-Pérez, “*Apprentissage incremental évolutionnaire*”, Université de Lorraine, Oct. 2013, F. Charpillet (advisor), A. Boumaza.

PhD in progress: Nassim Kaldé, “*Exploration et reconstruction d’un environnement inconnu par une flottille de robots*”, Université de Lorraine, Oct. 2012, F. Charpillet (advisor), O. Simonin.

PhD in progress: Manel Tagorti, “*Sur les abstractions et les projections des processus décisionnels de Markov de grande taille*”, Université de Lorraine, Nov. 2011, J. Hoffmann (advisor), B. Scherrer, O. Buffet.

PhD in progress: Arsène Fansi Tchango, “*Suivi multi-caméra en environnement partiellement observé*”, Université de Lorraine, Oct. 2011, A. Dutech (advisor), V. Thomas, O. Buffet.

PhD in progress: Mohamed Tlig, “*Coordination locale et optimisation distribuée du trafic dans les réseaux de transport de véhicules autonomes*”, Université de Lorraine, Dec. 2010, O. Simonin (advisor), O. Buffet.

PhD in progress: Julien Vaubourg, “*Multi-modélisation, multi-simulation dans le cadre des Smart-grids*”, Université de Lorraine, Oct 2013, Laurent Ciarletta, Vincent Chevrier (advisor).

PhD in progress: Matthieu Zimmer, “*Developmental Reinforcement Learning*”, Université de Lorraine, Oct 2014, Alain Dutech (advisor) and Yann Boniface.

PhD in progress: Van Quan Nguyen, “*Mapping of a sound environment by a mobile robot*”, Université de Lorraine, Dec. 2014, Emmanuel Vincent (advisor), Francis Colas, and François Charpillat.

9.2.3. Juries

- François Charpillat was reviewer a member of the PhD committee (as referee) of
 - Alexandru Rusu, Toulouse, dec. 12th 2014,
 - Ricardo CHAVEZ GARCIA, Grenoble, sep. 25th 2014,
 - Abdelhak Chatty, Cergy Pontoise, June 30th 2014.
- Vincent Chevrier was a member of the PhD committee (as referee) of
 - Jérémy Boes, March 28th, 2014, Université de Toulouse;
 - Baudouin Dafflon, Sept. 30th, 2014, Université de Technologie de Belfort-Monbéliard.
- Alain Dutech was a member of the PhD committee of
 - Simon Gay, December 15th, 2014, Université Lyon I.
- Nazim Fatès was a member of the PhD committee of
 - Simon Stuker, December 17th, 2014, Université de Toulouse.
- Bruno Scherrer was a member of the PhD committee of
 - Gabriel Dulac-Arnold, February 7th, 2014, Université Paris 6;
 - Bilal Piot, November 14th, 2014, Supélec (Université de Lorraine).

9.3. Popularization

- Nazim Fatès was the president of the Jury of the *Festival du film de chercheur*, see: an article in the [Eureka magazine](#)
- Vincent Thomas participated in “Journée ISN-EPI” (Apr. 17 2014) whose audience is computer science teachers of secondary school by organizing a workshop on “artificial intelligence and games”. Vincent Thomas is participating in the LORIA IDEES group dedicated to teaching activities.
- Vincent Thomas previously organized an exposition about game design and cognitive sciences. The materiel of the exposition was presented this year in several BU (Biliotheques universitaires) including IUT Charlemagne BU, Campus Medecine BU and Campus Brabois BU. This exposition is planned to be presented in other libraries in 2015 (Epinal, St Die).
- Vincent Thomas is participating in “Expouroute” meetings organized by Inria. The aim of these mettings is to create the content of a mobile scientific exposition about computer science in general. This exposition is planned to be held in 2017.
- Vincent Thomas participated in “[la nuit des chercheurs](#)” (Sep. 26 2014, Metz) and “[ARTEM fête la science](#)” during “Fête de la Science” (Oct. 18 2014, Nancy) by organizing discussions on video games, artificial intelligence and the links between those two domains.

OAK Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. General chair, Scientific chair

- I. Manolescu has been a co-chair of the 2nd International Workshop on Benchmarking RDF Systems (BeRSyS), in conjunction with VLDB 2014.

8.1.1.2. Member of the organizing committee

- N. Bidoit has been co-organiser of the summer school Ecole Thématique Bases de Données, June 2014, Oléron, whose focus was on Massive and Distributed Data Management.

8.1.2. Scientific events selection

8.1.2.1. Responsible of the conference program committee

- I. Manolescu has been a group leader (track chair) of the “Text Databases, XML and Keyword Search” track of the ACM SIGMOD Conference 2014.

8.1.2.2. Member of the conference program committee

- I. Manolescu: Extending Database Technologies Conference (EDBT), IEEE International Conference on Data Engineering (ICDE), SIGMOD/PODS PhD Symposium, Data4U workshop (in conjunction with VLDB 2014). She has also participated in the program committee of Bases de Données Avancées (BDA) 2014.
- Bogdan Cautis served as program committee member for the international conferences EDBT 2014, SIGMOD 2014, and CIKM 2014, as well as the workshops UnCrowd 2014 and BUDA 2014 (with ACM SIGMOD). He also participated in the program committee of Bases de Données Avancées (BDA) 2014.

8.1.2.3. Reviewer

- Bogdan Cautis served as reviewer for IEEE Transactions on Knowledge and Data Engineering.

8.1.3. Journal

8.1.3.1. Member of the editorial board

- I. Manolescu has been the Editor in Chief of the ACM SIGMOD Record until June 2014; she is an associate editor of the ACM Transaction on Internet Technology, and a member of the review board of PVLDB 2014.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Master: Bogdan Cautis, Masses de Données, M2R IAC, 18 ETD, M2, UNIV. PARIS-SUD

Licence: Bogdan Cautis, Introduction au Bases de Données, 44 ETD, L1, IUT Orsay

Licence: Bogdan Cautis, Programmation et Administration des Bases de Données, 94 ETD, L1, IUT Orsay

Master: Benoît Groz, Bases de données dimensionnelles et OLAP, M2 Miage et M2 CA, 33 ETD, M2, UNIV. PARIS-SUD

Master: Benoît Groz, Principe d'utilisation des SGBD, M1 Miage et M1, 56 ETD, M1, UNIV. PARIS-SUD

Master: Ioana Manolescu, Masses de Données, M2R IAC, 26 ETD, M2, UNIV. PARIS-SUD

8.2.2. Supervision

Raphael Bonaque: "Structured, Social and Semantic Search", since October 2013, Bogdan Cautis, François Goasdoué, and Ioana Manolescu.

Damien Bursztyn: "Scalable Techniques for Web Data Management", since January 2014, François Goasdoué and Ioana Manolescu

Jesús Camacho-Rodríguez : "Cloud-based Web Data Management", defended in September 2014, Dario Colazzo and Ioana Manolescu.

Alexandra Roatiş: "Scalable Database Techniques for the Semantic Web", defended in September 2014, Dario Colazzo, François Goasdoué, and Ioana Manolescu.

Aikaterini Tzompanaki: Foundations and Algorithms to Compute the Provenance of Missing Data, since November 2012, Melanie Herschel and Nicole Bidoit.

Stamatis Zampetakis: "Massively Parallel Algorithms for Semantic Web Data", since October 2012, François Goasdoué and Ioana Manolescu.

Ioana Ileana: "Extracting and Archiving Web Data: a holistic approach", defended in October 2014, Bogdan Cautis.

Paul Lagrée: "Adaptive Learning for Intelligent Crowdsourcing and Information Access", since October 2014, Bogdan Cautis.

8.2.3. Juries

Bogdan Cautis has been a member of the PhD committee of Ryadh Dahimene (December 2014), CNAM, France.

Ioana Manolescu has reported on the PhD thesis of Laurent Pellegrino (Avril 2014), Université de Nice, France.

She has been a member of the PhD committees of Alexandra Roatis (September 2014, UNIV. PARIS-SUD), Jesús Camacho Rodríguez (September 2014, UNIV. PARIS-SUD) and Ioana Ileana (October 2014, Telecom ParisTech).

She has also been a member of the HDR committee of Fabian Suchanek (October 2014, Telecom ParisTech).

8.3. Popularization

At the International Conference on Database Systems for Advanced Applications (DASFAA 2014), B. Cautis gave a lecture for the local Indonesian students, on "Searching the Social Web".

ORPAILLEUR Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific Events Organization, General Chairs, Scientific Chairs

- “ECCB 2014”. Several members of the team were involved in the organization of the 13th edition of the European Conference on Computational Biology held in Strasbourg on September 2014. This conference attracted over 1100 participants (<http://www.eccb14.org>). Marie-Dominique Devignes was the scientific chair of the conference and the scientific editor of the proceedings [7] [76].
- “ECML-PKDD 2014”. Amedeo Napoli and Chedy Raïssi were the Conference chairs of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2014) which was held in Nancy between September 15th and September 19th, <http://www.ecmlpkdd2014.org/>, in conjunction with ILP 2014 (September 14-16, <http://dtai.cs.kuleuven.be/events/ilp2014/>). There were roughly 560 persons attending the ECML-PKDD Conference (50 of which were shared with ILP).
- “CCC”. Emmanuel Nauer co-organized the "Computer Cooking Contest" at ICCBR 2014 which held this year in Cork (Ireland) (see <http://liris.cnrs.fr/ccc/ccc2014/>).
- “FCA4AI 2014”. Amedeo Napoli organized with Sergei O. Kuznetsov (HSE Moscow) and Sebastian Rudolph (TU Dresden) the third workshop FCA4AI (“What can do FCA for Artificial Intelligence”) which was associated with the ECAI Conference in Prague (Czech Republic, August 2014, see <http://www.fca4ai.hse.ru/2014> and <http://ceur-ws.org/Vol-1257>).
- “ICCBR Workshops”. Jean Lieber with David B. Leake was in charge of the organization of the ICCBR-2014 workshops [82] (see <http://www.iccbr.org/iccbr14/>).
- “LD4KD”. Nicolas Jay organized with Mathieu D’Aquin and Ilaria tididi (Open University, UK) the first workshop on Linked Data for Knowledge Discovery (LD4KD) collocated with the ECML/PKDD conference in Nancy, September 2014 (<http://events.kmi.open.ac.uk/ld4kd2014/>).

9.1.1.1. Scientific Animation

- The scientific animation in the Orpailleur team is based on two seminars, the Team Seminar and the BINGO seminar. The Team Seminar is held in general twice a month and is used either for general presentations of members of the team or for invited presentations of external researchers. The BINGO seminar is also held twice a month and is used for more specific presentations focusing on biological, chemical, and medical topics. Actually, both seminars are active and are useful instruments for researchers in the team.
- Members of the Orpailleur team are all involved, as members or as head persons, in various national research groups.
- The members of the Orpailleur team are involved in the organization of conferences and workshops, as members of conference program committees (ECAI, ECML-PKDD, ICCBR, ICDM, ICFCFA, IJCAI, KDD...), as members of editorial boards, and finally in the organization of journal special issues.

9.2. Teaching – Supervision – Committees

- The members of the Orpailleur team are involved in teaching at all levels of teaching, mainly at University of Lorraine. Actually, most of the members of the Orpailleur team are employed on university positions.
- The members of the Orpailleur team are also involved in student supervision, at all university levels, from under-graduate until post-graduate students.
- Finally, the members of the Orpailleur team are involved in HDR and thesis defenses, being thesis referees or thesis committee members.

SMIS Project-Team

9. Dissemination

9.1. Scientific Animation

Philippe Pucheral:

- PC member of EDBT' 14, MOBIWIS' 14, EDBT' 15, MOBIWIS' 15, DATA' 15
- Member of the direction committee of the PRISM Lab.
- Member of the HDR committee of the STV doctoral school (UVSQ)
- Elected member of the ED STIC doctoral school of University Paris-Saclay, 'Data, Knowledge and Interactions' committee (about 250 PhD students)
- Co-founder of the "Masses de Données Distribuées" French summer school and co-organizer of its last three editions (2010, 2012, 2014)

Luc Bouganim:

- PC member of EDBT' 15, PDA@IOT' 14, HardBD' 14, EUC' 14, BDA' 14
- President of the Inria Post-Doc and Delegation Commission
- Member of the Inria "Bureau du Comité des Projets" (BCP)
- Member of the Inria "Cordi-S" (Inria PhD grant) commission
- Member of the Inria "PES" commission
- Member of the UVSQ-PRiSM "Conseil de Laboratoire"

Nicolas Ancaux:

- PC member of BDA' 14 Demo. Track
- Member of the Inria " Commission des Développements Technologiques " (CDT)

Benjamin Nguyen:

- PC member of ECML-PKDD' 14, ACOMP' 14, EDA' 14
- Member of APVP Steering Committee
- Member of recruiting Committee of CNAM' 14, Paris-Sud' 14
- Member of PRiSM Steering Committee until 08/14
- Co-director (with Fabrice Le Guel) of the Institut de la Société du Numérique, Privacy WG.

Quoc-Cuong To:

- PC member of FDSE'2014
- External reviewer of EDBT'2014

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

SMIS is a joint project-team with University of Versailles St-Quentin (UVSQ) and CNRS. Hence SMIS members are naturally deeply involved in teaching.

Besides academic teaching, SMIS has set up a software and hardware platform named 'PDIS- Privacy by Design Information System' which is used to conduct programming activities with Master and Engineer students. This platform capitalizes on the PlugDB engine. It is now available at ENSIIE and INSA Centre Val de Loire engineer schools and at UVSQ. It is also being integrated in the UVSQ FabLab (VSL - Versailles Sciences Lab).

P. Pucheral:

- Full professor at UVSQ : courses on databases, DBMS architecture and security in Master1, Master2 and engineer school ISTY
- Director of the research Master COSY (UVSQ)
- Co-Director of the future Master DataScale to be launched at Univ. Paris-Saclay (UPSay) in 2015 with UVSQ, ENSIIE, Télécom SudParis and Télécom ParisTech

L. Bouganim: (90h/y)

- Courses on DBMS architecture, data security, database technology in Master1 and Master2 (AFTI, Orsay) and in engineering school (ENST Paris)

B. Nguyen:

- Courses on Databases, programming in Masters 2 and Licence
- MOOC on Introduction to relational databases (co authors Serge Abiteboul, Yannick Le Bras)
- Director of the UVSQ Computer Science Masters until august 2014
- Co-Director (with Franck Quessette, UVSQ) of the in-house training course for Computer Science high-school teachers at UVSQ for Academie de Versailles
- Member of Labex Digicosme Master's Committee until august 2014

N. Anciaux: (90h/y)

- Courses on database internal mechanisms and database security, in Master1 and Master2 (AFTI, Orsay) and in engineering school (ENSTA ParisTech, Telecom Paristech)

I. Sandu Popa:

- Associate professor at UVSQ. Courses on databases, DBMS architecture and security in Licence, Master1, Master2 and engineer school ISTY

P. Tran-Van:

- Courses on distributed and secure databases in engineering school ENSIIE.

9.2.2. Supervision

PhD in progress : Quoc-Cuong To, Secure Global Computations on Personal Data Servers, since October 2012, co-supervised by Benjamin Nguyen and Philippe Pucheral

PhD in progress : Saliha Lallali, Document Indexing for Embedded Personal Databases, since November 2012, co-supervised by Nicolas Anciaux, Iulian Sandu Popa and Philippe Pucheral

PhD in progress : Athanasia Katsouraki, Access and Usage Control for Personal Data in Trusted Cells, since October 2013, co-supervised by Luc Bouganim and Benjamin Nguyen

PhD in progress : Niv Dayan, Database Algorithms and Flash Internals, since December 2011, co-supervised by Philippe Bonnet and Luc Bouganim

PhD in progress : Dai-Hai Ton-That, Secure Management and Sharing of Private Personal Traces, since November 2012, co-supervised by Iulian Sandu Popa and Karine Zeitouni (Univ. of Versailles)

PhD in progress : Paul Tran Van, Secure Data Sharing in Personal Cloud, since October 2014, Co-supervised by Benjamin André (Cozy Cloud), Philippe Pucheral and Nicolas Anciaux.

9.2.3. Juries

P. Pucheral:

- PhD committee member (president) of Sara Hachem (UVSQ, February 2014)
- HDR reviewer of Sébastien Gambis (U. Rennes 1, June 2014)
- HDR committee member (president) of Sophie Chabridon (Télécom SudParis, November 2014)
- HDR committee member of Nicolas Anciaux (UVSQ, December 2014)
- HDR committee member of Sofian Maabout (U. Bordeaux, December 14).

L. Bouganim:

- PhD committee member of Matteo Casalino (Univ. Claude Bernard - Lyon 1, July 2014)
- PhD committee member of Jean-Pierre Lozi (UPMC, Paris 6, July 2014).
- PhD reviewer of Pierre Olivier (Université de Bretagne Sud, December 2014).
- HDR tutor of Nicolas Anciaux (UVSQ, December 2014).

9.3. Popularization

- "Les enjeux du Big Data", TV interview of P. Pucheral, Future-Mag, Arte, September 20th, 2014.
- Tutorial on experimental methodology at the BDA summer school 2014 "Masses de données distribuées". L. Bouganim
- Tutorial on managing personal data with strong privacy guarantees at EDBT 2014 [18].
- Présentation invitée au Lycée Albert Einstein sur 'Minimum Exposure', Sainte-Geneviève-des-Bois, Apr. 2014, B. Nguyen.
- Séminaire en deux parties à Luminy, pour les enseignants de CPGE sur 'les bases de données en CPGE, programme officiel et aspects transactionnels', Marseille, 2014-04-22, B. Nguyen.
- Présentation invitée aux journées "La Science Informatique pour tous les lycéens", à Rocquencourt, Apr. 2014, B. Nguyen.
- Le droit à l'oubli numérique, table ronde, Colloque 'La protection des données personnelles : approche pluridisciplinaire', Paris, Dec. 2014, B. Nguyen.
- 'Représenter et interroger efficacement de grands volumes de données : une introduction aux bases de données relationnelles', olympiades de mathématiques, Paris, May 2014, B. Nguyen
- 'Comment garantir la confidentialité des données médicales ?', Environrisk, Atelier risques numériques, Nov. 2014. Chairman: B. Nguyen (Inria). Speakers : N. Anciaux (Inria), C. F. Viala (YesProfile).
- 'Garantir la confidentialité des données personnelles', Futur en Seine, Rencontres Inria-Industries, June 2014, N. Anciaux.
- 'Vers un modèle de gestion des données respectueux de la vie privée : application à la collecte limitée d'informations personnelles', IREP "BIG DATA" Seminar, May 2014, N. Anciaux.
- 'Les patients dans l'écosystème de santé - Enjeux d'information et questions de communication', International Seminar organized by the "Institut des sciences de la communication CNRS" with the participation of the "Groupe de réflexion avec les associations de malades (GRAM Inserm)", Dec. 2014, N. Anciaux et P. Pucheral.
- 'La protection des données personnelles - approche pluridisciplinaire', Seminar organized by the Digital Society Institute (ISN), Dec. 2014, N. Anciaux and P. Pucheral
- 'Démonstration du Dossier Médico-Social Portable et sécurisé', Rencontres Inria Industrie, Télécoms du futur, Nov. 2014, Q. Lefebvre and N. Anciaux.
- 'Table ronde : Sécurité des Réseaux et Contenus', Rencontres Inria Industrie, Télécoms du futur, Nov. 2014, L. Bouganim

WIMMICS Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

Elena Cabrio was scientific chair for the seminar *Frontiers ARG-NLP - Frontiers and Connections between Argumentation Theory and Natural Language Processing* (Bertinoro (Forli-Cesena), Italy, July 2014).

Catherine Faron-Zucker was scientific chair for the conference *Journées Francophones d'Ingénierie des Connaissances (IC)*.

Serena Villata was co-chair of the 2014 International Workshop on Semantic Web for the Law (SW4Law 2014), co-located with the 27th International Conference on Legal Knowledge and Information Systems JURIX-2014. She was co-chair of the 15th International Workshop on Computational Logic in Multi-Agent Systems CLIMA 2014, co-located with the European Conference on Artificial Intelligence ECAI 2014. She was co-chair of the Bertinoro Seminar on Frontiers and Connections between Argumentation Theory and Natural Language Processing.

Nhan Le Thanh was chair of the 2nd workshop e-PSP 2014, November 27, Sophia Antipolis ⁰. He is the animator of the multidisciplinary e-PSP working group in Nice-Sophia Antipolis university on the theme of *Personalized eHealth*.

9.1.1.2. member of the organizing committee

Alain Giboin: International Conference on the Design of Cooperative Systems (COOP 2014), and co-organizer of the COOP Workshop *Artefacts and Coordination Activities*, co-organizer of JMIC 2015, *Journée commune AFIA-ARCo pour la Modélisation de l'Irrationnel dans la Cognition : Modéliser l'Affectif* (Joint scientific day for the modeling of the irrational aspects of cognition: Modeling the Emotions).

9.1.2. Scientific events selection

9.1.2.1. responsable of the conference program committee

Elena Cabrio was program chair of CLEF 2014 lab: *Multilingual Question Answering over Linked Data* (QALD-4), Sheffield, UK, September.

Fabien Gandon was program Chair for ESWC 2014, European Semantic Web Conference, and for TICE 2014, Technologies de l'Information et de la Communication pour l'Enseignement.

Alain Giboin was program committee associate chair of *Computer-Supported Cooperative Work and Social Computing* (CSCW) 2015.

Andrea Tettamanzi was program co-chair for the area of fuzzy systems for IBERAMIA, the latin American conference on artificial intelligence.

Fabien Gandon was program chair of SemWeb.Pro ⁰ and *Concours Semanticpédia*⁰, April 29th, Paris, .

9.1.2.2. member of the conference program committee

Michel Buffa: European Semantic Web Conference (ESWC), WWW Demo program committee, WWW Workshop on Semantic Web Collaborative Spaces (SWCS), ESWC 2014 developers workshop (SEMDEV).

⁰<http://epsp-2014.sciencesconf.org/>

⁰<http://semweb.pro/semwebpro-2014.html>

⁰<http://www.semanticpedia.org/blog/>

Elena Cabrio: Knowledge Engineering and Knowledge Management conference (EKAW PhD Symposium), the International Conference on Computational Linguistics (COLING 2014), the European Conference in Artificial Intelligence (ECAI), the Association for Computational Linguistics conference (ACL), and the Extended Semantic Web Conference (ESWC).

Olivier Corby: 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW), Third International Workshop on Querying Graph Structured Data (GraphQ), Journées Francophones d'Ingénierie des Connaissances (IC), *Des Sources Ouvertes au Web de Données - SoWeDo* IC Workshop, International Conference on Conceptual Structures (ICCS), ISWC Developers Workshop, Journées Francophones sur les Ontologies, Reconnaissance de Formes et Intelligence Artificielle (RFIA).

Catherine Faron-Zucker: International Conference on Conceptual Structures (ICCS), International Conference on Knowledge Engineering and Ontology Development (KEOD), Symposium on Educational Advances in Artificial Intelligence (EAAI), International Conference on Computing and Communication Technologies (RIVF 2015), Journées Francophones d'Ingénierie des Connaissances (IC), Technologies de l'Information et de la Communication pour l'Enseignement (TICE), Knowledge and Systems Engineering (KSE), Encuentro Nacional de Ciencias de la Computación (ENC).

Fabien Gandon: Extraction et Gestion des Connaissances (EGC), Hypertext, Journées francophones d'Ingénierie des Connaissances (IC), International Semantic Web Conference (ISWC), Reconnaissance de Formes et Intelligence Artificielle (RFIA), International Conference on Web Intelligence (WI), Making Sense of Microposts (#MSM2014), 3rd Workshop on Semantic Web Collaborative Spaces (SWCS).

Alain Giboin: member of the steering committee of the COOP conference series (International Conferences on the Design of Cooperative Systems). He was PC member of: Symposium on "Communication multimodale et collaboration instrumentée. Regards croisés sur Énonciations, Représentations, Modalité" (COMMON), International Conferences on the Design of Cooperative Systems (COOP), European Semantic Web Conference (ESWC), Journées francophones d'Ingénierie des Connaissances (IC), International Conference on Semantic Systems (SEMANTiCS), Technologies de l'Information et de la Communication pour l'Enseignement (TICE), 10e Journées francophones Mobilité et Ubiquité (UbiMob).

Isabelle Mirbel: 25th International Conference on Advanced Information Systems Engineering (CAISE), IEEE Eighth International Conference on Research Challenges in Information Science (RCIS), 20th International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ), 32e congrès INFORSID.

Alexandre Monin: European Semantic Web Conference (ESWC), World Wide Web Conference (WWW) - WebScience Track, Journées francophones d'Ingénierie des Connaissances (IC), Technologies de l'Information et de la Communication pour l'Enseignement (TICE).

Nhan Le Thanh : 4th International Conference on Model & Data Engineering (MEDI).

Andrea Tettamanzi: 15th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA), Florida Artificial Intelligence Research Society Conference (FLAIRS 2015), Genetic and Evolutionary Computational Conference (GECCO), International Conference on Intelligent Agent Technology (WI IAT), Journées Francophones d'Ingénierie des Connaissances (IC), International Joint Conference on Artificial Intelligence (IJCAI), Parallel Problem Solving from Nature (PPSN).

Serena Villata: European Conference on Artificial Intelligence (ECAI), International Conference on Legal Knowledge and Information Systems (JURIX), European Conference on Semantic Web (ESWC).

9.1.2.3. reviewer

Elena Cabrio: member of the evaluation committee assigning the Best Dissertation Prize of ATALA (the French Natural Language Processing association).

Olivier Corby: European Conference on Semantic Web (ESWC).

Catherine Faron-Zucker: European Conference on Semantic Web (ESWC). She was reviewer of a follow up volume published at LNCS of eBISS 2014.

Alain Giboin: 26e Conférence francophone sur l'Interaction Homme-Machine (IHM), Computer Human Interaction (CHI 2015).

Fabien Gandon: European Conference on Social Intelligence (ECSI), International Conference on Semantic Systems (SEMANTiCS), World Wide Web Conference (WWW).

9.1.3. Journal

9.1.3.1. member of the editorial board

Isabelle Mirbel : *Ingénierie des Systèmes d'Information* (Hermès).

9.1.3.2. reviewer

Elena Cabrio: Journal of Web Semantics.

Catherine Faron-Zucker: International Journal of Human-Computer Studies, Revue d'Intelligence Artificielle.

Fabien Gandon: Intellectica, dossier *Philosophie du Web et Ingénierie des Connaissances*.

Alain Giboin: Revue d'Intelligence Artificielle. He was reviewer for the book *Communication and multi-activity at work*.

Isabelle Mirbel: Information and Software Technology Journal.

Alexandre Monnin was reviewer for *Literary and linguistic Computing* journal. He co-edited a special issue of the CNRS journal Intellectica entitled *Philosophy of the Web and Knowledge engineering* (with Gunnar Declerck). He wrote the introduction to this special issue (under the same title) and a paper with Pierre Livet (*Distinguishing/Making explicit. The ontology of the Web as an ontology of operations*).

Andrea Tettamanzi: IEEE Transactions on Systems, Man and Cybernetics – Systems and Information Sciences.

Serena Villata: Journal of Logic and Computation, Argument & Computation, ACM Transactions on Intelligent Systems and Technology.

9.1.4. Invited Speaker

Fabien Gandon was invited speaker at : ACM MEDES⁰ on *Semantic and Social (Intra)Webs*, Summer School *Web Science and the mind*⁰, keynote on *Social and Semantic Web: Adding the Missing Links*, July 11th, WEBIST⁰ (Keynote and Panelist), *Typed Graphs and Linked Data - Modelling and Analyzing Social-semantic Web Data*, Futur en Seine (Panelist), *25 ans du Web*, SophiaConf⁰, *Quand le lien fait sens*.

Alexandre Monnin:

presented a paper with Harry Halpin on *The history of decentralized knowledge from cybernetics to the Semantic Web and Google* at the ADAM ANR project international final workshop, at Mines ParisTech. He was invited to deliver a talk on *a new history of the Web* in Lyon, on October 20th during a conference organized at ENS LSHS by three labs (Datadata from ENSBA Lyon, NHumérisme from ENS Lyon and PAMAL from ESA Avignon) on media archeology. He participated in a two-day conference on the renewal of social science and Science and Technology Studies organized at Mines ParisTech (funded by DIM). He participated in a day-long training session as part of the MESR national priority, in Tours where he presented *An introduction to the Semantic Web*. He was invited to participate in the *Social Week* in Lille (November 23rd) alongside other researchers. He was invited to deliver a talk in Beirut (by visio conference) for a special session on *The philosophy of the Web*, on December 4th (other invitees include Peter Greenaway and Harry Halpin).

9.1.5. Scientific Society

Catherine Faron-Zucker is vice secretary of AFIA, Association Française d'Intelligence Artificielle.

⁰<http://sigappfr.acm.org/MEDES/14/>

⁰<http://www.summer14.isc.uqam.ca>

⁰<http://www.webist.org/?y=2014>

⁰<http://www.telecom-valley.fr/pagecmsblog/edition-2014>

Alain Giboin serves as scientific correspondent for Inria Sophia of COERLE (Inria Comité Opérationnel d'Evaluation des Risques Légaux et Ethiques), in tandem with the legal correspondent Sabine Landivier.

9.2. Teaching - Supervision - Juries

Catherine Faron-Zucker is responsible of Master track Web Science at Polytech'Nice UNS.

Nhan Le Thanh is coordinator of the bilateral scientific cooperation program (NiceCampus) between Univ. of Nice and Univ. Da Nang, Vietnam. He is director of the Computer Science department of IUT, Univ. Nice-Sophia Antipolis.

Isabelle Mirbel is Vice-dean of Science Department at University Nice-Sophia Antipolis.

Andrea Tettamanzi has coordinated the 3rd year of the *Licence* in Business Informatics (MIAGE) at the UFR Science of the Université Nice Sophia Antipolis (UNS). He acted as the coordinator of an Erasmus Mundus student and staff mobility project with East Asia (EMMA East 2011, EACEA Project no. 2010-2362), which closed this year, for which he wrote the final report for the European Commission.

9.2.1. Teaching

Master : **Michel Buffa**, Web 2.0, Web Services, HTML5, 40h, M2 MIAGE, UNS.

Master : **Michel Buffa**, Distributed Web development, 40h, M2, UNS.

Master : **Michel Buffa**, Java certification, 25h, M2, UNS.

Master : **Michel Buffa**, Plasticity of User Interfaces, HTML5, 8h, M2, UNS.

Master : **Michel Buffa**, New interaction means, HTML5, 8h, M2, UNS.

Master : **Michel Buffa**, Programmable Web, 40h, M2, UNS.

Master : **Michel Buffa**, Web technologies, 40h, M1, UNS.

Master : **Elena Cabrio**, Knowledge Engineering, 3h, M2 KIS, UNS.

Master : **Elena Cabrio**, Web Science, 3h, M2 IFI, UNS.

Master : **Olivier Corby, Catherine Faron Zucker, Fabien Gandon**, Semantic Web, 45h, M2, UNS.

Master : **Amosse Edouard**, Introduction to Android programming, 16h, M2 MBDS, UNS.

Master : **Amosse Edouard**, Distributed Architecture and Web Services, 20h, M2 MIAGE, UNS.

Master : **Fabien Gandon**, Knowledge Engineering, 4h, M2, UNS.

Master : **Alain Giboin**, Human-Computer-Interaction Design and Evaluation, 35h, M2, UNS.

Master : **Alain Giboin**, Task and Activity Analysis for HCI design and evaluation, 6h, M2 Sociology and Ergonomics of Digital Technologies, UNS.

Master : **Alain Giboin**, Economics and ICT: Ergonomics, 15h, M2 Economics and ICT, ISEM, UNS.

Master : **Isabelle Mirbel**, Project Management, 20h, M2 MIAGE, UNS.

Master : **Alexandre Monnin**, Knowledge Engineering, 3h, M2, UNS.

Master : **Alexandre Monnin**, REST, 6h, M2, UTT.

Master : **Serena Villata**, Knowledge Engineering, 3h, M2 KIS, UNS.

Master : **Serena Villata**, Web Science, 5h, M2 Miage, UNS.

Master : **Isabelle Mirbel**, Advanced databases, 78h, M1 MIAGE, UNS.

Master : **Isabelle Mirbel**, Requirement Engineering, 42h, M1 MIAGE, UNS.

Master : **Oumy Seye**, XML Technologies, 16h, M1 UNS.

Master : **Oumy Seye**, Systèmes Distribués, 16h, M1 UNS.

Master : **Andrea Tettamanzi**, Systèmes Distribués, 18h, M1 MIAGE, UNS.

- Master : **Andrea Tettamanzi**, Concurrency and Parallelism, 18h, M1 International, UNS.
- Master : **Andrea Tettamanzi**, Fuzzy Description Logics and Ontology Learning, in Ingénierie des connaissances, 10h, M2 Web, Polytech'Nice, UNS.
- Licence : **Amel Ben Othmane**, Databases, 64h, L1 IUT, UNS.
- Licence : **Isabelle Mirbel**, Databases, 63h, L3 MIAGE, UNS.
- Licence : **Nhan Le Thanh**, Logical Data Models and languages, 24h, L3 Pro, UNS.
- Licence : **Nhan Le Thanh**, Design and Development of DBMS services, 24h, L3 Pro. UNS.
- Licence : **Nhan Le Thanh**, Advanced Databases, 105h, L3, UNS.
- Licence : **Nhan Le Thanh**, Databases, 120h, L2, UNS.
- Licence : **Oumy Seye**, Interaction Homme Machine, 50H, L1, IUT UNS.
- Licence : **Oumy Seye**, Conception et Programmation orientées objet avancées, 30H, L2, IUT UNS.
- Licence : **Andrea Tettamanzi**, Algorithmique – Programmation Objet – Python, 50h, L2, UNS.
- Licence : **Andrea Tettamanzi**, Programmation Web Avancée (côté client), 39h, L2, UNS.
- Licence : **Andrea Tettamanzi**, Web, 18h, L3 MIAGE, UNS.

E-learning

- Michel Buffa** HTML5, 6 weeks, <http://www.w3techcourses.com/>, W3C.
- Fabien Gandon, Catherine Faron Zucker, Olivier Corby** Semantic Web, 7 weeks, <http://www.france-universite-numerique.fr/>, Inria, France Université Numérique. The course was prepared in 2014 and will take place in 2015.

Fabien Gandon gave a course on Semantic Web at URFIST, Rennes, 6H.

Fabien Gandon gave a course on Semantic Web and Linked Data Graphs at Winter School on Complex Networks⁰, 3.5H.

9.2.2. Supervision

- PhD **Rakebul Hasan**, *Explanations for Social Semantic Web*, UNS, November 4th, Fabien Gandon;
- PhD **Maxime Lefrançois**, *Meaning-Text Theory Lexical Semantic Knowledge Representation : Conceptualization, Representation and Operationalization of Lexicographic Definitions*, Inria, UNS, June 24th, Fabien Gandon, Christian Boitet;
- PhD **Nicolas Marie**, *Linked Data Based Exploratory Search*, Alcatel Lucent Bell Labs, December 12th, Fabien Gandon, Myriam Ribière;
- PhD **Oumy Seye**, *Sharing and Reusing Rules for the Web of Data*, University Gaston Berger, Saint-Louis, Sénégal, December 15th, Olivier Corby, Catherine Faron Zucker, Fabien Gandon, Moussa Lo.
- PhD in progress : **Amel Ben Othmane**, *Temporal and Semantic Analysis of Information Retrieved from Short and Spatio-Temporal Messages in Social Networks*, UNS, Nhan Le Thanh.
- PhD in progress : **Papa Fary Diallo**, *Co-Construction of Community Ontologies and Corpus in a Limited Technological Environment*, Inria, UNS, UGB, Isabelle Mirbel, Olivier Corby, Moussa Lo.
- PhD in progress : **Amosse Edouard**, *Studies of Spatial Semantic Aspect, Real Time Filtering Mechanisms and Semantic Enrichment of Short Messages on Dynamic Spatio-Temporal Social Networks*, UNS, Nhan Le Thanh.
- PhD in progress : **Amine Hallili**, *Assistant Conversational Agents with Natural Language and Intuition*, UNS, Catherine Faron, Fabien Gandon.
- PhD in progress : **Zide Meng**, *Temporal and Semantic Analysis of Richly Typed Social Networks from User-Generated-Content Sites on the Web*, UNS, Fabien Gandon, Catherine Faron Zucker.

⁰<http://www-sop.inria.fr/members/Giovanni.Neglia/complexnetworks14/>

- PhD in progress : **Thi Hoa Hue Nguyen**, *Semantic Mappings with a Dataflow-based scientific workflow : an approach to develop dataflow applications using knowledge-based systems*, Vietnam, Nhan Le Thanh.
- PhD in progress : **Tuan Anh Pham**, *Study and integrate the mechanism of workflow control in MVC (Model View Controller) architecture: design and implement an APM (Activity Process Management) platform for dynamic information systems on the networks*, UNS, Nhan Le Thanh.

9.2.2.1. PhD in codirection with other teams

- PhD in progress : **Abdoul Macina**, *Distributed Query Processing over a Wide-area Network*, UNS Labex UCN@Sophia, Johan Montagnat (Modalis, I3S), Olivier Corby;
- PhD in progress : **Chaka Kone**, *Infrastructure logicielle/matérielle pour le suivi émotionnel et du comportement dans la maladie d'Alzheimer et les pathologies associées*, Cécile Belleudy from LEAT, Nhan Le Thanh.

9.2.3. Juries

- **Catherine Faron-Zucker** was reviewer for PhD of Houda Khrouf: *Structuring and Mining Event-based Data in The Social Web*, June 30th, Télécom ParisTech.
- **Fabien Gandon** was jury member for PhD of Bruno Paiva Lima da Silva : *Data Access over Large Semi-Structured Databases - A Generic Approach Towards Rule-Based Systems*, January 13th, Univ. Montpellier 2, LIRMM.
He was reviewer for PhD of Fabrizio Orlandi : *Profiling User Interests on the Social Semantic Web*, March 31st, National University of Ireland, Galway.
He was reviewer for HdR of Fabian Suchanek : *Contributions à l'avancement des grandes bases de connaissances*, Université Pierre et Marie Curie, Paris, October 10th.
He was jury member for HdR of Sébastien Ferré: *Reconciling Expressivity and Usability in Information Access From File Systems to the Semantic Web*, IRISA, University Rennes 1, November 6th.
- **Alain Giboin** was jury member of the PhD thesis of François Palaci, *Contribution ergonomique à l'analyse prospective d'innovations technico-organisationnelles dans les systèmes complexes*, Université Technologique de Troyes.
- **Isabelle Mirbel** was reviewer of PhD : Salma Najar, *Adaptation dynamique des services sensibles au contexte selon une approche intentionnelle*, Univ. Paris I - Panthéon-Sorbonne, April 2014.
- **Andrea Tettamanzi** was reviewer of the PhD thesis of Mustafa Al Bakri, *Uncertainty-Sensitive Reasoning over the Web of Data*, Université de Grenoble, December 15.
He was president of the jury of Maxime Lefrançois, *Représentation des connaissances sémantiques lexicales de la Théorie Sens-Texte : COnceptualisation, représentation, et opérationnalisation des définitions lexicographiques*, Université Nice Sophia Antipolis, June 24.

9.2.4. Master Internship

- **Raphael Boyer**: (September 2014 - September 2015), *Maintenance of DBpedia.fr; Addressing boolean and n-relation questions with QAKiS*, Master student of MIAGE, University of Nice-Sophia Antipolis.
- **Fabrice Jauvat**: *Identifier et extraire les noms d'entreprises dans des contenus web et les relier à DBpedia*, L3 UNS, supervisor: Elena Cabrio, May-August.
- **Ahmed Missaoui**: *Translation of data from raw data to semantic data enriched with further information extracted from external information sources*, Master KIS UNS, supervisors: Serena Villata, Elena Cabrio and Catherine Faron.
- **Yoann Moise**: *Booster la visualisation des réponses d'un système automatique de question-réponse à l'aide du contenu multimédia*, L3 UNS, supervisor: Elena Cabrio, May-August.

- **Emilie Palagi:** *Evaluation et reconception des IHM explicatives du moteur de recherche exploratoire Discovery Hub*, Master 2, Sociologie et Ergonomie des technologies numériques, UNS, supervisors: Alain Giboin and Nicolas Marie.
- **Vivek Sachidananda:** *QAKiS - multimedia answers visualization* (October 2013 - June 2014), Master student of Multimedia at Telecom ParisTech. Supervisor: Elena Cabrio, co-supervision with Dr. Raphael Troncy (Assistant Professor at EURECOM).
- **Molka Tounsi:** *Publishing Antique Zoology Data on the Web of Data*, Master KIS UNS, supervisors: Serena Villata, Elena Cabrio and Catherine Faron.

9.3. Popularization

Fabien Gandon

Meeting Inria-Industry *Technologies du Web : ce réseau de ressources numériques mondial*⁰, Lille.

Amadeus QLM Staff Briefing keynote, *Semantic Web*, February 14th.

Invited speaker on *Quel avenir pour le Web ?* in the cycle of conferences *Les enjeux du Web 3.0 dans le secteur culturel* - Ministry of Culture and Inria.

Scientific days at Inria : *Relations between Inria and W3C* and *Presentation of LabCom SMILK*.

⁰<http://www.inria.fr/centre/lille/innovation/rii/rii-technologies-du-web/presentation>

ZENITH Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

Participation in the editorial board of scientific journals:

- VLDB Journal: P. Valduriez.
- Journal of Transactions on Large Scale Data and Knowledge Centered Systems, R. Akbarinia.
- Distributed and Parallel Databases, Kluwer Academic Publishers: E. Pacitti, P. Valduriez.
- Internet and Databases: Web Information Systems, Kluwer Academic Publishers: P. Valduriez.
- Journal of Information and Data Management, Brazilian Computer Society Special Interest Group on Databases: P. Valduriez.
- Book series “Data Centric Systems and Applications” (Springer): P. Valduriez.
- Ingénierie des Systèmes d’Information, Hermès : P. Valduriez.
- Journal of Data Semantics (Springer): S. Cohen-Boulakia

Participation to the organization of conferences and workshops:

- Florent Masseglia was vice-chair of the international conference on data mining (ICDM 2014).
- Alexis Joly was chair of the LifeCLEF 2014 workshop (within CLEF 2014 conference) and co-organized the international workshop on Environmental Multimedia Retrieval (EMR 2014).
- Esther Pacitti organized the Mastodons International Workshop on “Big Data Management and Crowd Sourcing towards Scientific Data” in Montpellier in June.
- Patrick Valduriez co-organized (with Prof. Masaru Kitsuregawa, general director of NII, Japan) a workshop on big data sponsored by the French Embassy in Tokyo in November.

Participation in conference program committees :

- ACM SIGMOD Conf. 2014: R. Akbarinia, P. Valduriez (area chair), 2015: S. Cohen-Boulakia
- ADBIS East-European Conference on Advances in Databases and Information Systems: P. Valduriez (PC chair)
- VLDB 2015 : P. Valduriez (sponsor co-chair)
- ACM Symposium On Applied Computing (ACM SAC, Data Stream track), 2014: F. Masseglia
- Conférence Internationale Francophone sur l’Extraction et la Gestion de Connaissance (EGC), 2014: F. Masseglia
- IEEE Int. Conf. on Data Mining (ICDM), 2014: F. Masseglia (area chair)
- IEEE Ph.D. forum at ICDM, 2014: F. Masseglia
- Int. Conf. on Data Science and Advanced Analytics (DSAA), 2014: F. Masseglia
- Int. Conf. on Data Management Technologies and Applications (DATA), 2014: F. Masseglia
- Int. Conf. on Extending DataBase Technologies (EDBT), 2014: R. Akbarinia, A. Joly, F. Masseglia; 2015: E. Pacitti
- IEEE Int. Conf. on Data Engineering (ICDE) 2014: P. Valduriez, 2015: S. Cohen-Boulakia
- Data Integration in the Life Sciences (DILS) 2014: S. Cohen-Boulakia
- BPM 2015 (Business Process Management (BPM) 2015: S. Cohen-Boulakia
- ICDE 2015: Database and Semantic Web Workshop (DESWeb): P. Valduriez
- International Conference and Labs of the Evaluation Forum (CLEF), 2014: A. Joly

- Int. Workshop on Multimedia Analysis for Environmental Data (MAED), 2014: A. Joly
- Int. Workshop on Human Centered Event Understanding from Multimedia (HuEvent), 2014: A. Joly
- Int. Workshop Computer Vision for Analysis of Underwater Imagery (CVAU), 2014: A. Joly
- Workshop on Theory and Practice of Provenance (TAPP) 2014 et 2015: S. Cohen-Boulakia
- Sigmod Workshop on scalable workflow enactment engines and technologies (SWEET) 2014: S. Cohen-Boulakia
- ICDT workshop on Algorithms and Systems for MapReduce and Beyond (BeyondMR) 2015: S. Cohen-Boulakia

Reviewing in international journals :

- Knowledge and Information Systems (KAIS): F. Masegla
- Annals of Mathematics and Artificial Intelligence: F. Masegla
- Distributed and Parallel Databases: F. Masegla
- VLDB Journal: A. Joly
- IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI): A. Joly
- IEEE transactions on multimedia: A. Joly
- Journal of Mathematical Imaging and Vision (JMIV): A. Joly
- Transactions on Knowledge and Data Engineering: A. Joly
- EURASIP Journal on Image and Video Processing: A. Joly
- Computer Vision and Image Understanding Journal: A. Joly
- ACM Trans. on Database Systems: E. Pacitti

Other activities (national):

- Zenith participates in the Hemera and Grid'5000 communities by: contributing to the definition of "Storage 5000" (we help defining the financial model for teams to have their data in Grid5000) ; participating to Hemera meetings (Florent Masegla gave a talk on "Pattern Mining from Big Data, meeting of Sept. 18, Nantes); and contributing to the prospective document of Grid5000.
- Patrick Valduriez co-organized the CEA-EDF-Inria Summer School on Big Data Analytics, 16-20 june, Cadarache, France, and gave a tutorial on "Distributed and Parallel Data Processing".
- Patrick Valduriez is the scientific manager for the Latin America zone at Inria Direction des Relations Internationales (DRI), Member of the Scientific Committee at Agence Nationale de la Recherche (ANR) - Défi 7 Information and communication society and Member of the Scientific Committee of the BDA conference.
- Alexis Joly was keynote speaker of the scientific days of the University of Lyon 1 (2014).
- Esther Pacitti gave an invited talk on "Profile Diversity for Query Processing using User Recommendations" at the Mastodons CrEDIBLE Workshop, Sophia-Antipolis, 9 October, and at the Seminar on Methods and Tools for Open Data, INRA, Montpellier, 18 December.

Other activities (international):

- Florent Masegla gave a talk on "Pattern Mining from Big Data", to the French-Japanese workshop on Big Data in Tokyo in November.
- Florent Masegla was chair of the panel on "Privacy and Big Data", for the French-Japanese workshop on Big Data at Tokyo in November.

- Patrick Valduriez gave several talks in international events: “CloudMdsQL: Querying Heterogeneous Cloud Data Stores with a Common Language” at Inria-Technicolor Workshop on Storage and Processing of Big Data, Rennes, 3-4 december 2014, and at Workshop on DB Consistency in the Cloud, LIP6, Paris, 15-16 september 2014; “Cloud & Bigdata: opportunities and risks”, New Approaches to Economic Challenges” at OECD-ECLAC Workshop, Paris, 19 may 2014; and “Indexing and Processing Big Data” at Colloquium Indexing for Scientific Big data, Paris, 15 january 2014.
- Esther Pacitti gave talks on search and recommendation at the MUSIC Workshops, COPPE-UFRJ, Rio de Janeiro, 8 August 2014, LNCC, Petropolis, Rio de Janeiro, 20 October 2014, and at the GDRI Workshop on Innovative Research Issues on Web Science, Toulouse, 10-12 September.
- Sarak Cohen-Boulakia gave invited talks at Universities of Pennsylvania, April, and Humboldt, Berlin, December.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Most permanent members of Zenith teach at the Licence and Master degree levels at UM2.

Reza Akbarinia:

Master Research: Large scale data management, 6h, level M2, Faculty of Science, UM2

Licence: Computing Tools, 54h, Level L3, Faculty of Science, UM2

Florent Masegla:

Master Research: Large scale data management, 3h, level M2, Faculty of Science, UM2

Summer School (EDF/Inria) on "Big Data Analytics": Pattern Mining from Big Data, 3h courses and 3h practical work, CEA, Cadarache.

Science Popularization: Jean-Philippe Bernard, Ph.D. student from doctoral school I2S is having a 30h doctoral module under Florent Masegla's supervision.

Esther Pacitti:

IG3: Database design, physical organization, 54h, level L3, Polytech' Montpellier, UM2

IG4: Networks, 42h, level M1, Polytech' Montpellier, UM2

IG4: Object-relational databases, 32h, level M1, Polytech' Montpellier, UM2

IG5: Distributed systems, virtualization, 27h, level M2, Polytech' Montpellier, UM2

Industry internship committee, 50h, level M2, Polytech' Montpellier

Master Research: Large scale data management, 4,5h, level M2, Faculty of Science, UM2

Didier Parigot:

Master Research: Large scale data management, 6h, level M2, Faculty of Science, UM2

Patrick Valduriez:

Master Research: Large scale data management, 12h, level M2, Faculty of Science, UM2

Professional: Distributed Information Systems, 50h, level M2, Capgemini Institut

Professional: XML, 40h, level M2, Orsys Formation

Alexis Joly:

Master Research: Large scale data management, 6h, level M2, Faculty of Science, UM2

9.2.2. Supervision

- PhD in progress: Mehdi Zitouni Closed Pattern Mining in a Massively Distributed Environment started Sept. 2014, Univ. Tunis, Advisor: Florent Masseglia, co-advisor: Reza Akbarinia
- PhD in progress : Ji Liu, Scientific Workflows in Multisite Cloud, started oct. 2013, Univ. Montpellier 2, Advisors: Esther Pacitti and Patrick Valduriez
- PhD in progress : Saber Salah, Optimizing a Cloud for Data Mining Primitives, started nov. 2012, Univ. Montpellier 2, Advisor: Florent Masseglia, co-advisor: Reza Akbarinia
- PhD in progress : Valentin Leveau, Supervised content-based information retrieval in big multimedia data, started April 2013, Univ. Montpellier 2, Advisor: Patrick Valduriez, co-advisor: Alexis Joly and Olivier Buisson
- PhD in progress : Djamel-Edine Yagoubi, Indexing Time Series in a Massively Distributed Environment, started October 2014, Univ. Montpellier 2, Advisors: Florent Masseglia and Patrick Valduriez, co-advisor: Reza Akbarinia

9.2.3. Juries

Members of the team participated to the following Ph.D. committees:

- F. Masseglia: Andres Moreno (University of Nice/Sophia-Antipolis, reviewer).
- R. Akbarinia: Maximilien Servajean (UM2), Jesús Camacho Rodriguez (Univ. Paris-Sud).
- E. Pacitti: Julien Gaillard (Univ. Avignon); Lourdes Angelica Martinez Medina (Univ. Grenoble).
- P. Valduriez: Li Feng (National University of Singapore, reviewer), Fan Quinfeng (UVSQ, reviewer), Pierpaolo Cincilla (UPMC Paris 6, reviewer), Radu Tudoran (ENS Rennes, chair), Laurent Amsaleg (HDR, U. Rennes 1).

9.3. Popularization

Today, one of the main questions in science popularization and computer science teaching at school in France is: "how to scale?". Some of our recent actions in the domaine are mainly oriented towards this goal of scaling.

F. Masseglia has coordinated a national network of colleagues for promoting code learning. This action has given the "KidEtCode" studios of Inria, and the involved colleagues have benefited from two training sessions on the subject. After some successful organizations of studios by colleagues in the network, F. Masseglia has written a series of interviews where they give a feedback on "howto" set up a KidEtCode studio, find partners and provide relevant content.

F. Masseglia has given a 3 days training to elementary school teachers. This event, called "Graines de sciences" (Ecole de Physique des Houches, <http://www.fondation-lamap.org/fr/graines-de-sciences>) was funded by "La main à la pâte" (<http://www.fondation-lamap.org/>), a French foundation dedicated to science popularization based on manual activities. The goal, here, was to give a 3h training to groups of a dozen of teachers, by mainly using games and activities they would be able to transfer in their classrooms. In <http://binaire.blog.lemonde.fr/2014/11/14/comment-semer-quelques-graines-de-sciences>, we give our point of view on how helping teachers to bring computer sciences in their classroom is more than feasible.

Following this autumn school for teachers, "La main à la pâte" is now working with Inria (Gilles Dowek, Pierre-Yves Oudeyer, Florent Masseglia and Didier Roy), "France-IOI" and the University of Lorraine in order to write a school book on computer science teaching.

Zenith participated to the following events in Montpellier, and therefore participated in the effort of relaunching science popularization activities in Montpellier:

- F. Masseglia co-organized and co-animated the Inria's stand at "La fête de la science" (Montpellier), held by Genopolys (a science village).
- F. Masseglia organized and animated several "Kid&Code" studios in the greater metropolitan area of Montpellier, involving the network of media libraries and the network of extracurricular activities. He also has proposed a two sessions training to media libraries activity leaders. The goal is to accompany media libraries in the region of Montpellier and help them until they are autonomous in this activity.

F. Masseglia is a member of the steering committee, and contributor, of interstices (<https://interstices.info>), and a member of the scientific committee for the edition of “Datagramme”, the game from Inria on science popularization. He has participated to the two days training sessions on "science popularization" given by Claude Vadel in Paris, on Dec. 4 and 5, 2014.

F. Masseglia is a member of the management board of "Les Petits Débrouillards" in Languedoc-Roussillon. He also is the scientific responsible for schools visits in the Lirmm Laboratory.

A. Joly presented the PI@ntNet project and the associated iPhone app in several events including "Futur en Seine 2014" where it received the price of collaborative research, "les rencontres Inria/industries" , "LeWeb 2014", etc. Many news media articles, blogs, TV news and twitts also reported on PI@ntNet (typing "PI@ntNet" on Google is the best way to get most of them).

P. Valduriez gave a talk on “Cloud Big Data” at Université du Tiers Temps, Montpellier.

ALICE Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events selection

8.1.1.1. Organizing committee membership

- Bruno Lévy was program co-chair for Eurographics 2014
- Sylvain Lefebvre was STAR co-chair for Eurographics 2014

8.1.1.2. Conference program committee membership

- Sylvain Lefebvre was PC member of Pacific Graphics 2014
- Nicolas Ray was PC member of Eurographics 2014
- Rhaleb Zayer was PC member of Eurographics 2014

8.1.2. Journal

8.1.2.1. Editorial board membership

- Sylvain Lefebvre is associate editor for ACM Transactions on Graphics
- Bruno Lévy is associate editor for IEEE Transactions on Visualization and Computer Graphics
- Xavier Antoine is associate editor for ISRN Applied Mathematics
- Bruno Lévy is associate editor for Graphical Models (Elsevier)

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

License: Samuel Hornus, “Functional programming with OCaml” at épITECH Nancy (private school training programmers, <http://nancy.epitech.eu/>). Lecture: 9h. Lab work: 18h. 3 student projects.

License: Samuel Hornus, “Mathématique discrètes”, à Télécom Nancy

License: Dmitry Sokolov, Géométrie et représentation dans l’espace, 35h, L2 Informatique de l’UL, France

License: Dobrina Boltcheva, Licence ISN, IUT Saint-Dié-des-Vosges

License: Dobrina Boltcheva, 2A DUT INFO, IUT Saint-Dié-des-Vosges

License: Dobrina Boltcheva, 1A DUT INFO, IUT Saint-Dié-des-Vosges

Master: Sylvain Lefebvre, Ecole de Géologie, introduction to parallelism (3h TP) and introduction to computer graphics (3h cours, 6h TP)

Master: Sylvain Lefebvre, OpenCL, UL, master M2, with Dmitry Sokolov.

Master: Sylvain Lefebvre, Course on Video Game programming at “Ecole des Mines de Nancy”. Taught with Guillaume Bonfante.

Master: Dmitry Sokolov, Algorithmique avancée, 28h, M2 Math de l’UL, France

Master: Dmitry Sokolov, Logiques et Modèles de calcul, 30h, M1 Informatique de l’UL, France

Master: Dmitry Sokolov, Infographie 76h, M1 Informatique de l’UL, France

Master: Dmitry Sokolov, Modèles de perception et raisonnement, 56h, M1 Informatique de l’UL, France

Master: Dmitry Sokolov, Parallélisme de données, 15h, M1 Informatique de l'UL, France

Master: Bruno Lévy, "Numerical Geometry" (15 h) in the National School of Geology and in Nancy School of Mines.

8.2.2. Supervision

HdR : Sylvain lefebvre, Synthèse de textures par l'exemple, Université de Lorraine, 30 juin 2014

PhD : Jeanne Pellerin, Prise en compte de la complexité géométrique des modèles structuraux dans des méthodes de maillage fondées sur le diagramme de Voronoï, ENSG, 20 mars 2014, Bruno Lévy and Guillaume Caumon (Université de Lorraine)

8.2.3. Juries

Bruno Lévy was chair of the Inria junior position (CR2) hiring committee for the centre Inria Nancy Grand-Est.

8.3. Popularization

- Bruno Lévy animates "initiation to computer programming", 1h each Friday evening (10 kids, 7 to 12 years old).
- Members of the team participate each year to "science fair" events, scientific demos, conferences for the general audience.
- Sylvain Lefebvre is a member of the scientific mediation committee of the centre Inria Nancy Grand-Est.

AVIZ Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

AVIZ members are active worldwide in the domains of Visualization, Visual Analytics, HCI, and computer graphics.

9.1.1. Keynotes and Invited Talks

- Jean-Daniel Fekete: “Visualisation de réseaux par matrices d’adjacence”, Horizon Maths 2014, Dec. 16, 2014.
- Jean-Daniel Fekete: “Matrix-Based Visualization of Graphs”, keynote speaker for the Graph Drawing 2014 Symposium, Würzburg, Germany, Sep. 25th, 2014.
- Jean-Daniel Fekete: “Visualizing Dynamic Interactions”, Summer School in Cognitive Sciences 2014, Web Science and the Mind, Université du Québec à Montréal, Jul 10th, 2014.
- Jean-Daniel Fekete: “La visualisation d’information pour comprendre et interagir avec les données” seminar at IRT SystemX, Saclay, Jul. 1st, 2014.
- Jean-Daniel Fekete: “Dataviz & BigData : Mythes & réalités”, Panel at Microsoft Techdays, Paris, Feb. 11th, 2014.
- Tobias Isenberg: “*Touching the Third Dimension—Exploration of Scientific Data on Surfaces*”. Microsoft eScience Workshop, Guarujá, Brazil, Oct. 22, 2014.
- Tobias Isenberg: “Direct-Touch Interaction for Scientific Visualization”. Center for Data Science Kick-Off Meeting, Orsay, France, June 30, 2014.
- Tobias Isenberg: “Direct-touch Interaction for Scientific Visualization”. Forum on Tactile and Gestural Interaction, Tourcoing, France, May 13, 2014.
- Tobias Isenberg: “Interaction with 3D Scientific Data on Touch-Sensitive Surfaces”. University of Granada, Spain, May 7, 2014.
- Tobias Isenberg: “Interaction with 3D Scientific Data on Touch-Sensitive Surfaces”. University of Rostock, Germany, Apr. 16, 2014.
- Petra Isenberg: “How Important is Display Technology for Visualization and Visual Analytics?” Capstone at the 2014 European Workshop on Visual Analytics (EuroVA), Swansea, UK.
- Pierre Dragicevic: “Wrong Stats are Miscommunicated Stats”. Yves Guiard’s Emeritus Ceremony, Telecom ParisTech, 9 July 2014.
- Pierre Dragicevic: “**Bad Stats are Miscommunicated Stats**”. Keynote at VIS’14 BELIV workshop, 10 Nov 2014.
- Samuel Huron: “La sédimentation visuelle”. Invited speaker at Sud Web 2014, Toulouse
- Wesley Willett: “**Tools and Strategies for Social Data Analysis**”. SIGCHI Paris, 27 January 2014.
- Benjamin Bach: “Visualizing functional brain connectivity”. Invited talk at **The 10th IEEE International Conference on e-Science**, Guarujá, Brazil, Oct. 2014.

9.1.2. Scientific Associations

- Jean-Daniel Fekete is a member of the Steering Committee of EuroVis (Eurographics WG on Data Visualization).
- Jean-Daniel Fekete is a member of the Steering Committee of the IEEE Information Visualization Conference.

- Jean-Daniel Fekete is a member of the IEEE VIS Executive Committee.
- Tobias Isenberg is a member of the Steering Committee of the Expressive conference.
- Tobias Isenberg is a member of the Executive Committee of the Visualization and Computer Graphics Technical Committee of the IEEE Computer Society (VGTC), serving as publications chair.

9.1.3. Conference Organization

- Jean-Daniel Fekete was the President of the IEEE Conference on Visualization VIS'2014 in Paris.
- Petra Isenberg and Tobias Isenberg co-organized the IEEE VisWeek Workshop on Beyond Time and Errors—Novel Evaluation Methods for Visualization (BELIV 2014) at IEEE VIS 2014.
- Tobias Isenberg was Workshops co-chair at IEEE VIS 2014.
- Tobias Isenberg was Publicity co-chair at IEEE SUI 2014.
- Petra Isenberg was poster co-chair at ITS 2014.
- Petra Isenberg was exhibits co-chair at ITS 2014.
- Charles Perin, Pierre Dragicevic and Jean-Daniel Fekete organized the Bertin Exhibition at IEEE VIS'2014.
- Charles Perin was Student Volunteers co-chair at IEEE VIS'2014.
- Jeremy Boy designed the sponsors brochure for collecting funds for the IEEE VIS'14 Conference.
- Jeremy Boy designed the interface for displays showing the conference program at the IEEE VIS'14 Conference venue.
- Jeremy Boy redesigned all the Fast-Forward material for the IEEE VIS'14 Conference.
- Jeremy Boy and Heidi Lam designed the Vis in other venues posters for the IEEE VIS'14 Conference.
- Jeremy Boy, Sung Hee Kim, Sukwon Lee, Ji Soo Yi, and Niklas Elmquist organized the workshop on visualization literacy at the IEEE VIS'14 Conference.
- Benjamin Bach co-chaired the celebration of the 25th anniversary of the IEEE VIS conference.

9.1.4. Conference Program Committees

- Jean-Daniel Fekete was a member of the program committee of IEEE VAST.
- Tobias Isenberg was a member of the program committee for ACM ITS Posters.
- Tobias Isenberg was a member of the program committee for ACM SUI.
- Tobias Isenberg was a member of the program committee for IEEE VISAP.
- Tobias Isenberg was a member of the program committee for IEEE InfoVis.
- Tobias Isenberg was a member of the program committee for IEEE SciVis.
- Tobias Isenberg was a member of the program committee for ACM/Eurographics Expressive.
- Tobias Isenberg was a member of the program committee for EuroVis full papers.
- Tobias Isenberg was a member of the program committee for EuroVis short papers.
- Tobias Isenberg was a member of the program committee for IEEE 3DUI.
- Petra Isenberg was a member of the program committee for AVI 2014.
- Petra Isenberg was a member of the program committee for CHI 2014.
- Petra Isenberg was a member of the program committee for InfoVis 2014.
- Petra Isenberg was a member of the program committee for ITS 2014.
- Petra Isenberg was a member of the program committee for SUI 2014.
- Petra Isenberg was a member of the program committee for PerDis 2014.
- Pierre Dragicevic was a member of the program committee for VIS 2014.

- Pierre Dragicevic was a member of the best poster committee for VIS 2014.
- Pierre Dragicevic was a member of the workshop committee for CHI 2015.
- Wesley Willett was a member of the works-in-progress program committee for CHI 2014.
- Wesley Willett was a member of the program committee for the iConference 2015.
- Wesley Willett was a member of the program committee for GI 2015.

9.1.5. Journal Editorial Board

- Jean-Daniel Fekete is associate editor of IEEE Transactions on Visualization and Computer Graphics.
- Tobias Isenberg is associate editor of Elsevier Computers & Graphics.

9.1.6. Conference Reviewing

3DUI IEEE Symposium on 3D User Interfaces: Tobias Isenberg
 3DVis IEEE VIS International Workshop on 3DVis: Tobias Isenberg
 alt.chi Alt.chi Forum: Pierre Dragicevic
 AVI International Working Conference on Advanced Visual Interfaces: Pierre Dragicevic, Petra Isenberg
 BioVis IEEE Symposium on Biological Data Visualization: Tobias Isenberg
 CAe International Symposium on Computational Aesthetics in Graphics, Visualization, and Imaging: Tobias Isenberg
 CHI ACM Conference on Human Factors in Computing System: Pierre Dragicevic, Tobias Isenberg, Samuel Huron, Charles Perin, Wesley Willett, Jeremy Boy, Benjamin Bach
 CSCW ACM Conference on Computer Supported Cooperative Work: Wesley Willett
 DIS ACM conference on Designing Interactive Systems: Pierre Dragicevic, Petra Isenberg
 EuroVA EuroVis Workshop on Visual Analytics: Pierre Dragicevic, Petra Isenberg
 EuroVis Eurographics/IEEE Conference on Visualization: Tobias Isenberg, Petra Isenberg, Samuel Huron, Charles Perin, Wesley Willett, Benjamin Bach
 GD International Symposium on Graph Drawing: Samuel Huron
 IHM Conférence Francophone sur l'Interaction Homme-Machine: Charles Perin
 iConference iSchools conference on critical information issues in contemporary society: Wesley Willett
 InfoVis IEEE Information Visualization Conference: Tobias Isenberg, Petra Isenberg, Charles Perin
 ITS ACM Conference on Interactive Tabletops and Surfaces: Pierre Dragicevic, Tobias Isenberg, Petra Isenberg, Wesley Willeett
 IUI ACM International Conference on Intelligent User Interfaces: Tobias Isenberg
 MobileHCI International Conference on Human-Computer Interaction with Mobile Devices and Services: Petra Isenberg
 NPAR ACM Symposium on Non-Photorealistic Animation and Rendering: Tobias Isenberg
 PacificVis IEEE Pacific Visualization Symposium: Wesley Willett, Benjamin Bach
 PG Pacific Conference on Computer Graphics and Applications: Tobias Isenberg
 PerDis International Symposium on Pervasive Displays: Petra Isenberg
 SciVis IEEE Scientific Visualization Conference: Tobias Isenberg
 SIGGRAPH ACM Conference on Computer Graphics and Interactive Techniques: Tobias Isenberg
 SUI ACM Symposium on Spatial User Interaction: Tobias Isenberg, Petra Isenberg
 UIST ACM Symposium on User Interface Software and Technology: Pierre Dragicevic, Tobias Isenberg, Charles Perin, Wesley Willett

VAST IEEE Conference on Visual Analytics Science and Technology: Petra Isenberg, Charles Perin

9.1.7. Journal Reviewing

C&G Elsevier Computers and Graphics: Tobias Isenberg

CG&A IEEE Computer Graphics and Applications: Tobias Isenberg, Samuel Huron, Wesley Willett

CGF Computer Graphics Forum: Tobias Isenberg

COSU Computer Supported Cooperative Work: Petra Isenberg

IJHCS International Journal of Human-Computer Studies: Tobias Isenberg

TOG ACM Transactions on Graphics: Pierre Dragicevic

TVCG IEEE Transactions on Visualization and Computer Graphics: Pierre Dragicevic, Tobias Isenberg, Petra Isenberg, Wesley Willett, Benjamin Bach

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

- “Interactive Information Visualization” (M2 module), taught by Jean-Daniel Fekete, Pierre Dragicevic, Benjamin Bach, Nadia Boukhelifa, Lonni Besançon at Univ. Paris-Sud
- “Visual Analytics” (M2 module) taught by Wesley Willett, Petra Isenberg, Pierre Dragicevic, Jean-Daniel Fekete, Nadia Boukhelifa at Ecole Centrale, Paris
- “Innovative Interactive Systems for Medical Visualization” taught by Tobias Isenberg at the ‘SUMMER’ FP7 Marie Curie Research Training Network summer-school, TU Delft, the Netherlands
- “Non-Photorealistic Rendering” taught by Tobias Isenberg at the University of Granada, Spain
- “Non-Photorealistic Rendering” taught by Tobias Isenberg at Polytech Paris-Sud, France

9.2.2. Supervision

- PhD: Yvonne Jansen, Physical and Tangible Information Visualization, Université Paris-Sud, 10 March 2014, Pierre Dragicevic and Jean-Daniel Fekete.
- PhD: Benjamin Bach, Connections, Changes, and Cubes: Unfolding Dynamic Networks for Visual Exploration, Université Paris-Sud, 9 May 2014, Emmanuel Pietriga and Jean-Daniel Fekete.
- PhD: Nicolas Heulot, Étude des projections de données comme support interactif de l’analyse visuelle de la structure de données de grande dimension, Université Paris-Sud, 4 Jul 2014, Jean-Daniel Fekete.
- PhD: Charles Perin, Direct Manipulation for Information Visualization, Université Paris-Sud, 17 Nov 2014, Jean-Daniel Fekete
- PhD: Samuel Huron, Constructive Visualization: A token-based paradigm allowing to assemble dynamic visual representation for non-experts, Université Paris-Sud, 29 Sep 2014, Jean-Daniel Fekete.
- PhD in progress: Jeremy Boy, Visualization for the People, Telecom ParisTech, Jean-Daniel Fekete and Françoise Detienne.
- PhD in progress: Pascal Goffin, From Individual to Collaborative Work, Université Paris-Sud, 2013, Petra Isenberg and Jean-Daniel Fekete
- PhD in progress: Mathieu Le Goc, Dynamic and Interactive Physical Visualization, Université Paris-Sud, 2013, Pierre Dragicevic and Jean-Daniel Fekete
- PhD in progress: Evanthia Dimara, Information Visualization for Decision Making, Université Paris-Sud, 2014, Pierre Dragicevic, Anastasia Bezerianos and Jean-Daniel Fekete
- PhD in progress: Lonni Besançon, Interactive visualization using touch input and tangibles, Université Paris-Sud, 2014, Tobias Isenberg and Mehdi Ammi.

9.2.3. Juries

- Pierre Dragicevic: CR hiring committee at Inria Lille
- Pierre Dragicevic: Member of the “Commission Scientifique” (CS) at Inria Saclay
- Pierre Dragicevic: Member of the “Commission Consultative de Spécialistes de l’Université (CCSU)” at Université Paris-Sud
- Tobias Isenberg: PhD committee of Dr. Martin Luboschik, Illustrative Informationsvisualisierung [Illustrative Information Visualization], University of Rostock, Germany, Apr. 16, 2014.

9.3. Popularization

- Pierre Dragicevic and Yvonne Jansen are curating an online [List of Physical Visualizations and Related Artefacts](#) with now 180+ entries.
- Benjamin Bach is curating an online [List of Temporal Visualizations based on Space-Time cube visualizations](#).
- Benjamin Bach is maintaining a [Webpage](#) describing the efforts of the Microsoft Research-Inria Joint Research Center on visualizing functional brain connectivity.
- Jeremy Boy and Jean-Daniel Fekete developed a [Series of Visualizations for the People](#).
- Jeremy Boy: [CO2: La carte de la pollution mondiale](#), Mediapart data-journalism article.
- Jeremy Boy: [Les diplômés, est-ce que ça paye?](#), Mediapart data-journalism article.
- Jeremy Boy: [Le poids du nucléaire dans le monde](#), Mediapart data-journalism article.
- Jeremy Boy, Samuel Huron, and Jean-Daniel Fekete organized a workshop on Data Visualization at Futur En Seine 2104, Paris, France.

HYBRID Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

- Anatole Lécuyer was General co-Chair of IEEE Symposium on 3D User Interfaces 2014.
- Bruno Arnaldi was Chair and Organizer of Journées de l'AFRV 2014, Reims, France
- Maud Marchal was Chair and Organizer of a Workshop on Bimanual Haptics at Eurohaptics 2014.

9.1.1.2. Member of the organizing committee

- Anatole Lécuyer was Award Chair of Eurohaptics 2014.
- Ferran Arguelaguet was Demo Chair of ICAT-EGVE 2014.

9.1.2. Scientific events selection

9.1.2.1. Responsible of the conference program committee

- Anatole Lécuyer was Program co-Chair of IEEE Symposium on 3D User Interfaces 2014.

9.1.2.2. Member of the conference program committee

- Anatole Lécuyer was Member of the conference program committee of Eurohaptics 2014, and IEEE Haptics Symposium 2014.
- Bruno Arnaldi was Member of the conference program committee of IEEE Virtual Reality 2014
- Maud Marchal was Member of the conference program committee of IEEE Virtual Reality 2014, IEEE Symposium on 3D User Interfaces 2014, Eurohaptics 2014, International Symposium on Biomedical Simulation 2014 and MICCAI Symposium on Deep Brain Stimulation 2014.
- Ferran Arguelaguet was Member of the conference program committee of IEEE Virtual Reality 2014, IEEE Symposium on 3D User Interfaces 2014, ACM Virtual Reality Software and Technology 2014 and ACM Symposium on Spatial User Interfaces 2014.

9.1.2.3. Reviewer

- Anatole Lécuyer was reviewer for Eurohaptics 2014, and IEEE Haptics Symposium 2014.
- Valérie Gouranton was Reviewer for Conference on Computer Animation and Social Agents 2014.
- Maud Marchal was Reviewer for IEEE Virtual Reality 2014, IEEE Symposium on 3D User Interfaces 2014, Eurohaptics 2014, International Symposium on Biomedical Simulation 2014, MICCAI International Conference 2014, GRAPP 2014, and International Conference on Robots and Intelligent Systems 2014.
- Ferran Arguelaguet was Reviewer for EuroHaptics 2014.

9.1.3. Journal

9.1.3.1. Member of the editorial board

- Anatole Lécuyer is Associate Editor of Frontiers in Virtual Environments.
- Maud Marchal is Associate Editor of Computer Graphics Forum, Review Editor of Frontiers in Virtual Environments and Member of the Editorial Board of Revue Francophone d'Informatique Graphique.
- Ferran Arguelaguet is Review Editor of Frontiers in Virtual Environments.

9.1.3.2. Reviewer

- Anatole Lécuyer was Reviewer for ACM Transactions on Applied Perception, and International Journal on Human Computer Studies.
- Valérie Gouranton was Reviewer for Revue d'Intelligence Artificielle.
- Maud Marchal was Reviewer for IEEE Transactions on Visualization and Computer Graphics and IEEE Transactions on Haptics.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Anatole Lécuyer:

Master MNRV: "Haptic Interaction", 9h, M2, ENSAM, Laval, FR

Ecole Doctorale Matisse : "Haptic Interaction" and "Brain-Computer Interfaces", 5h, M2-PhD, University of Rennes 1, FR

Master SIBM: "Haptic and Brain-Computer Interfaces", 4,5h, M2, University of Rennes 1, FR

Bruno Arnaldi:

Master INSA Rennes: "VAR: Virtual and Augmented Reality", 12h, M2, INSA Rennes, FR

Master INSA Rennes: "Virtual Reality", 6h, M2, INSA Rennes, FR

Master INSA Rennes: Projects on "Virtual Reality", 20h, M1, INSA Rennes, FR

Valérie Gouranton:

Licence: "Introduction to Virtual Reality", 12h, L2 and responsible of this lecture, INSA Rennes, FR

Licence: Project on "Virtual Reality", 12h, L3 and responsible of this lecture, INSA Rennes, FR

Master INSA Rennes: "Virtual Reality", 16h, M2, INSA Rennes, FR

Master INSA Rennes: Projects on "Virtual Reality", 30h, M1, INSA Rennes, FR

Maud Marchal:

Master INSA Rennes: "Modeling and Engineering for Biology and Health Applications", 48h, M2 and responsible of this lecture, INSA Rennes, FR

Master SIBM: "Biomedical simulation", 3h, M2, University of Rennes 1, FR

Ferran Argelaguet:

Master STS Informatique MITIC: "Techniques d'Interaction Avancées", 26h, M2, ISTIC, University of Rennes 1, FR

9.2.2. Supervision

HdR : Maud Marchal: "3D Multimodal Interaction with Physically-Based Virtual Environments", Université Rennes 1, November 20th 2014

PhD : Fabien Danieau, "Contribution to the study of haptic feedback for improving the audiovisual experience", Université Rennes 1, February 13th 2014, Supervised by M. Christie, P. Guillotel, J. Fleureau, N. Mollet, and A. Lécuyer

PhD : Anthony Talvas, "Bimanual haptic interaction", INSA Rennes, December 1st 2014, Supervised by A. Lécuyer and M. Marchal

PhD : Thi Thuong Huyen Nguyen, "New 3D techniques for collaborative interaction and navigation that preserve users' immersion", Université Rennes 1, November 20th 2014, Supervised by T. Duval

PhD : Jérôme Ardouin, "Contribution to the study of visualization of real and virtual environments with an extended field-of-view", December 17th 2014, Supervised by M. Marchal, E. Marchand and A. Lécuyer

PhD in progress: Jean-Baptiste Barreau, "Virtual Reality and Archaeology", Started in February 2014, Supervised by V. Gouranton and B. Arnaldi

PhD in progress: Benoit Le Gouis, "Multi-scale physical simulation", Started in October 2014, Supervised by B. Arnaldi, M. Marchal and A. Lécuyer

PhD in progress: Lorraine Perronet, "Neurofeedback applications based on EEG, fMRI and VR", Started in January 2014, Supervised by C. Barillot and A. Lécuyer

PhD in progress: Jérémy Lacoche, "Plasticity for user interfaces in mixed reality", Started in September 2013 at b<>com Research Institute, Supervised by T. Duval, B. Arnaldi, É. Maisel and J. Royan

PhD in progress: Morgan Le Chénéchal, "Activity and perception for distant collaboration in virtual environments", Started in September 2013 at b<>com Research Institute, Supervised by B. Arnaldi, T. Duval, V. Gouranton and J. Royan

PhD in progress: Lucas Royer, "Visualization tools for needle insertion in interventional radiology", Started in September 2013 at b<>com Research Institute, Supervised by A. Krupa, M. Marchal and G. Dardenne

PhD in progress: Andéol Evain, "BCI-based Interaction", Started in September 2013, Supervised by N. Roussel, G. Casiez, F. Argelaguet and A. Lécuyer

PhD in progress: Guillaume Claude, "Synthesis and Simulation of Process Models ", Started in September 2013, Supervised by V. Gouranton and B. Arnaldi

PhD in progress: François Lehericey, "Collision Detection HPC", Started in October 2013, Supervised by V. Gouranton and B. Arnaldi

PhD in progress: Merwan Achibet, "Dexterous manipulation in virtual environments", Started in November 2012, Supervised by A. Lécuyer and M. Marchal.

PhD in progress: Jonathan Mercier-Ganady, "Hybrid Brain-Computer Interfaces", Started in October 2012, Supervised by M. Marchal and A. Lécuyer

9.2.3. Juries

9.2.3.1. Selection committees

- Anatole Lécuyer was Member of Selection committee of Full-time Professor Position at IUT Orsay.
- Bruno Arnaldi was Member of Selection committee of Full-time Professor Position at University of Rennes 1 and Member of Selection committee of Assistant Professor at Université Lille 1.
- Valérie Gouranton was Member of Selection committee of Assistant Professor at INSA Rennes, Research Fellow (CR2) Inria Rennes Bretagne Atlantique
- Maud Marchal was Member of Selection committee of Assistant Professor at Université Lille 1.

9.2.3.2. PhD and HDR juries

- Anatole Lécuyer was Member of PhD jury of Huyen Nguyen (INSA de Rennes).
- Bruno Arnaldi was Member of PhD jury of Jérôme Ardouin (INSA de Rennes), Antony Talvas (INSA de Rennes) and Huyen Nguyen (INSA de Rennes), Member of HDR Jury of Richard Kulpa (University of Rennes 2).
- Maud Marchal was Member of PhD juries of Guillaume Kazmitcheff (Université Lille 1) and Emmanuelle Chapoulie (Université Nice - Sophia Antipolis).

9.3. Popularization

- Massive media coverage of the "Mind-Mirror" system : following a press conference and press release organized in May 2014. This ended up with numerous appearances in the media (TV, Press, Radio).

- Other regular and numerous appearances of the team results and activity at: French TV (e.g., France5, France 3, France 2) or newspapers and journals (e.g., articles in "Archeologia" (Feb 2014) and "Science et Avenir" (Aug 2014) on "Virtual Reality and Archaeology").
- "Journées Science et Musique" 2014 (Rennes, Oct 2014) : organization of this event, and presentation of several demos of the team in Immersia room, Rennes.
- "Journée Nationales d'Archéologie" 2014 (Rennes, June 2014) : organization of this event, and presentation of several demos, Rennes.
- Participation at "Forum Libération" (Rennes, April 2014) : presentation of Anatole Lécuyer.
- Participation at "LE WEB 2014" Conference (Paris, Dec 2014) : demos of the FLYVIZ system.

IMAGINE Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

- Rémi Ronfard was chair for the 3rd AAAI workshop on Cinematography and Film Editing (WICED'2014), which took place on July 30, 2014 in Quebec City, Canada. He was also co-chair for the 4th Eurographics workshop on Cinematography and Film Editing (WICED'2015), which will take place on May 4, 2015, in Zurich, Switzerland.
- Stefanie Hahmann was co-organizer of the 9th international colloque *Dagstuhl Seminar on Geometric Modeling* et the Leibniz-Zentrum für Informatik en Allemgane. 45 invited researchers participated to scientific talks, discussions and perspective working groups.

9.1.1.2. member of the organizing committee

- Marie-Paule Cani was a steering committee member of SMI (Shape Modelling International) and Expressive (SBIM, NPAR, CAe) Chair of the Steering committee of Eurographics.
- Rémi Ronfard was member of the following events
 - International Conference on Interactive Digital Storytelling (ICDS 2014).
 - Computational Modeling of Narrative (CMN 2014).
 - Interactive Narrative Technologies (INT 2014).
 - SIGGRAPH workshop on Motion in Games (MIG 2014).
 - International Conference on 3D imaging (IC3D 2014).
 - International Conference on Intelligent Human Computer Interaction (IHCI 2014).

9.1.2. Scientific events selection

9.1.2.1. member of the conference program committee

- Marie-Paule Cani was member of the conference program committee for Graphics Interface 2014 and Expressive 2014 (joint ACM-EG symposium on SBIM, NPAR, CAe).
- Stefanie Hahmann was member of the international program committee for Eurographics 2014, SMI'14 Shape Modeling International, Computer Graphics International (CGI'14), and SPM 2014 Symposium on Solid and Physical Modeling.
- Damien Rohmer was member of the Technical Briefs & Poster for ACM SIGGRAPH Asia 2014.

9.1.2.2. reviewer

- Marie-Paule Cani was reviewer for SIGGRAPH 2014.
- Stefanie Hahmann was reviewer for Eurographics 2014, SMI'14, CGI'14 and SPM'14.
- Jean-Claude Léon was reviewer for CAD 2014 Intl conference.
- Damien Rohmer was reviewer for SIGGRAPH Asia 2014 and Eurographics 2014.

9.1.3. Journal

9.1.3.1. member of the editorial board

- Marie-Paule Cani was member of the editorial board of ACM Transactions on Graphics (TOG).
- Stefanie Hahmann was reviewer for Computer Aided Design (Elsevier) and Graphical Models (Elsevier).

- Jean-Claude Léon was member of the editorial board of Computer Aided Design.

9.1.3.2. reviewer

- Jean-Claude Léon was reviewer for Computer Aided Design.
- Olivier Palombi was reviewer for Surgical and Radiologic Anatomy.
- Rémi Ronfard was reviewer for The Visual Computer, and Computer Vision and Image Understanding.
- Damien Rohmer was reviewer for the popularization journal Quadrature.

9.1.4. Others

Marie-Paule Cani was

- Vice chair of the European scientific organization Eurographics
- Elected member of EG-France executive committee (french chapter of Eurographics)
- Member of the ACM publication board until June 2014.
- Member of the scientific council of ESIEE Paris.

Stefanie Hahmann was

- Member of the SMA Executive Committee (Shape Modeling Association).
- President of GTMG (Groupe de Travail en Modélisation Géométrique) part of GDR IM and GDR IGRV.
- Member of the Conseil du Laboratoire at LJK.
- Responsible of Maths-Info department of the Grenoble doctoral school MSTII.

Rémi Ronfard

- gave invited talks on "Directing virtual worlds" at Utrecht University; at Laboratoire d'Informatique Fondamentale in Marseille; at LIRIS in Lyon; at IRCAM in Paris.
- is a co-organizer of the GDR ISIS action on "Face, gesture, action and behavior", which held its national meeting on December 11, at Telecom Paris Tech.
- is a member of the new GDR Esars : *Esthétique, Art et Science*.

9.2. Teaching - Supervision - Juries

9.2.1. Responsibilities of academic programs

- Marie-Paule Cani is responsible for two courses at Ensimag/Grenoble-INP: 3D Graphics (a course that attracts about 80 master 1 students per year) and IRL (Introduction à la recherche en laboratoire), a course enabling engineering students to work on a personal project in a research lab during one semester, to get an idea of what academic research is.
- Stefanie Hahmann is co-responsible of the MMIS (Images and Applied Maths) (<http://ensimag.grenoble-inp.fr/cursus-ingenieur/modelisation-mathematique-images-simulation-124674.kjsp>) department at University ENSIMAG/Grenoble INP. Stefanie Hahmann is responsible of 3 courses at Ensimag/Grenoble INP: Numerical Methods (240 students, 3rd year Bachelor level), Geometric Modeling (60 students, Master 1st year) and Surface Modeling (30 students, Master 2nd year).
- Olivier Palombi is responsible of the French **Campus numérique** of anatomy. Olivier Palombi is responsible and national leader of the project SIDES (<http://side-sante.org/>). All the French medical schools (43) have planed to use the same e-learning framework (SIDES) to manage evaluations (examen) and to create a large shared database of questions.
- François Faure was responsible of the GVR-(Graphics, Vision and Robotic) programm in the MOSIG Master.
- Damien Rohmer is coordinator of the Math-Signal-Image program in the school CPE Lyon.
- Rémi Ronfard taught courses in Advanced 3D animation, M2R MOSIG, University of Grenoble (12 hours); and Game Engine Programming, M2R IMAGINA, University of Montpellier (20 hours).

Note that MOSIG is joint master program between University Joseph Fourier (UJF) and Institut Polytechnique de Grenoble (INPG) taught in English since it hosts a number of internal students. It belongs to the doctoral school MSTII.

9.2.2. Educational activities

Most of the members of our team are Professor or Assistant Professor in University where the common teaching load is about 200h per year. Rémi Ronfard who is only researcher usually perform some teaching in delegation.

9.3. Popularization

Damien Rohmer published an article on volume preserving deformation in Quadrature Journal [41]. This journal is accessible for University students and teachers.

IN-SITU Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. Member of the organizing committee

- UIST 2014, *ACM Symposium on User Interface Software and Technology*, Hawaii, 2014: Stéphane Huot (Video Previews Co-Chair)

8.1.2. Scientific events selection

8.1.2.1. Chair of conference program committee

- IHM 2014, *Conférence Francophone d'Interaction Homme-Machine*: Olivier Chapuis (Papers Co-Chair)

8.1.2.2. Member of the conference program committee

- CHI 2014, *ACM Conference on Human Factors in Computing*: Wendy Mackay
- UIST 2014, *ACM Symposium on User Interface Software and Technology*: Wendy Mackay
- DIS 2014, *ACM conference on Designing Interactive Systems*: Wendy Mackay
- NIME 2014, *New interfaces for Musical Expression*: Stéphane Huot, Theophanis Tsandilas
- MOCO 2014 - *International Workshop on Movement and Computing*: Michel Beaudouin-Lafon
- DI 2014 - *First International Conference Digital Intelligence*: Michel Beaudouin-Lafon
- GD 2014 - *22nd International Symposium on Graph Drawing*: Anastasia Bezerianos
- GRAPP 2014 - *10th International Conference on Computer Graphics Theory and Applications*: Cédric Fleury
- IHM 2014, *Conférence Francophone d'Interaction Homme-Machine*: Theophanis Tsandilas

8.1.2.3. Reviewer

- ACM CHI 2014: Caroline Appert, Michel Beaudouin-Lafon, Anastasia Bezerianos, Olivier Chapuis, Stéphane Huot, Can Liu, Theophanis Tsandilas
- ACM UIST 2014: Caroline Appert, Michel Beaudouin-Lafon, Anastasia Bezerianos, Olivier Chapuis, Can Liu, Theophanis Tsandilas
- ACM EICS 2014 - *ACM Symposium on Engineering Interactive Computing Systems*: Stéphane Huot
- ACM ITS 2014 - *ACM Conference on Interactive Tabletop and Surfaces*: Anastasia Bezerianos, Olivier Chapuis, Theophanis Tsandilas
- ACM MobileHCI 2014 - *ACM Conference on Human-Computer Interaction with Mobile Devices and Services*: Caroline Appert, Olivier Chapuis
- IEEE 3DUI 2014 - *IEEE Symposium on 3D User Interfaces*: Cédric Fleury
- IEEE InfoVis 2014 - *IEEE Information Visualization Conference*: Anastasia Bezerianos
- IEEE EuroVis 2014 - *Eurographics/IEEE Symposium on Visualization*: Anastasia Bezerianos
- IEEE VAST 2014 - *Visual Analytics Software and Technology*: Anastasia Bezerianos
- 3DVIS @ IEEE VIS 2014 - *IEEE VIS Workshop on 3DVis*: Cédric Fleury
- 3DCVE @ IEEE VR 2014 - *IEEE VR Workshop on Collaborative Virtual Environments*: Cédric Fleury

- GI 2014 - Graphics Interface Conference: Theophanis Tsandilas

8.1.3. Journal

8.1.3.1. Member of the editorial board

- Editor for the Human-Computer Interaction area of the new ACM Books Series (published with Morgan & Claypool Publishers): Michel Beaudouin-Lafon (2013-)
- CACM, *Communications of the ACM*, ACM: Wendy Mackay (2008-)
- TOCHI, *Transactions on Computer Human Interaction*, ACM: Michel Beaudouin-Lafon (2009-)
- JIPS, *Journal d'Interaction Personne-Système*, AFIHM: Michel Beaudouin-Lafon (2009-)
- IJHCS, *International Journal of Human-Computer Study*, Elsevier: Michel Beaudouin-Lafon (Member of the Advisory Board, 2009-)
- JCSCW, *Journal of Computer Supported Cooperative Work*, Springer: Michel Beaudouin-Lafon (Member of the Advisory Board, 2010-)

8.1.3.2. Reviewer

- Transactions on Computer-Human Interaction (TOCHI), ACM: Caroline Appert, Michel Beaudouin-Lafon, Olivier Chapuis, Stéphane Huot, Wendy Mackay
- Transactions on Visualization and Computer Graphics (TVCG): Anastasia Bezerianos, Cédric Fleury
- International Journal of Human-Computer Studies (IJHCS), Elsevier: Olivier Chapuis, Stéphane Huot
- Journal on Multimodal User Interfaces (JMUI), Springer: Caroline Appert, Stéphane Huot
- International Journal fo Geo-Information (IJGI), ISPRS: Caroline Appert
- Journal d'Interaction Personne-Système (JIPS): Michel Beaudouin-Lafon

8.1.4. Research Organizations

- Agence Nationale de la Recherche (ANR), CES “Contenus, connaissances, interactions”: Caroline Appert (Evaluation Committee member)
- Agence Nationale de la Recherche (ANR), “Blanc”, “Blanc International” and “Jeunes Chercheuses Jeunes Chercheurs” programs: Caroline Appert (reviewer), Theophanis Tsandilas (reviewer)
- AERES Evaluation Committee of Laboratoire d'Informatique de Grenoble (LIG): Michel Beaudouin-Lafon (president)
- Alliance des Sciences et Technologies du Numérique (ALLISTENE), Working group “Knowledge, Content and Interaction”: Wendy Mackay and Michel Beaudouin-Lafon (members)
- Alliance des Sciences et Technologies du Numérique (ALLISTENE), Working group “Interactions des mondes physiques, de l'humain et du monde numérique” for the National Research Strategy agenda: Michel Beaudouin-Lafon (co-chair)
- Steering Committee of “Institute for Digital Society” (Université Paris-Saclay): Michel Beaudouin-Lafon (member)
- Scientific Committee of IRCAM: Michel Beaudouin-Lafon (member)
- Scientific Committee of AmiQual4Home “Equipement d'Excellence” (Grenoble): Michel Beaudouin-Lafon (member)
- Research Commission of Institut Telecom: Michel Beaudouin-Lafon (member)
- Research Commission of DigiCosme LABEX (Université Paris-Saclay): Michel Beaudouin-Lafon (member)
- Working Group of the future Computer Science Department of Université Paris-Saclay: Michel Beaudouin-Lafon (member)

8.1.5. Learned Societies

- Association Francophone d'Interaction Homme-Machine (AFIHM): Olivier Chapuis (member of the board, vice-president), Stéphane Huot (member of the board and of the scientific council – CPPMS)
- Paris SIGCHI Local Chapter: Caroline Appert (treasurer), Anastasia Bezerianos (president)
- ACM SIGCHI Conference Management Committee: Wendy Mackay (member)
- ACM Europe Council: Michel Beaudouin-Lafon (member)
- EUACM, ACM Europe's public policy office: Michel Beaudouin-Lafon (member)
- ACM Publications Board subcommittees: Michel Beaudouin-Lafon (future of the ACM DL), Wendy Mackay (new publications)

8.1.6. Hiring committees

- Univ. Paris-Sud hiring committee, Commission Consultative des Spécialistes de l'Université 27ème section (computer science), members: Michel Beaudouin-Lafon, Stéphane Huot, Wendy Mackay, Caroline Appert
- Univ. Paris-Sud hiring committee, Comités de Sélection 27ème section (computer science), members: Michel Beaudouin-Lafon, Stéphane Huot, Wendy Mackay
- Inria Senior PES committee, member: Wendy Mackay

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Interaction Masters (Research Master in Computer Science, Interaction Specialty): Anastasia Bezerianos & Michel Beaudouin-Lafon, Chairs, Cédric Fleury, Internships organization, M2, Univ. Paris-Sud

HCID Masters (EIT ICT Labs European Master in Human-Computer Interaction and Design): Michel Beaudouin-Lafon & Anastasia Bezerianos, Chairs, M1 & M2), Univ. Paris-Sud

DUT Informatique: Stéphane Huot, Director of studies for the 1st year, IUT Orsay – Univ. Paris-Sud

Masters in Computer Science & HCID Masters: Anastasia Bezerianos, Cédric Fleury & Theophanis Tsandilas, *Programming of Interactive Systems*, 63 hrs, M1, Univ. Paris-Sud

Research Masters in Computer Science: Wendy Mackay & Anastasia Bezerianos, *Formation à la Recherche* 45 hrs, M2 (all research specialties), Univ. Paris-Sud

Interaction Masters & HCID Masters: Michel Beaudouin-Lafon, *Fundamentals of Human-Computer Interaction*, 38 hrs, M1/M2, Univ. Paris-Sud

Interaction Masters & HCID Masters: Wendy Mackay, *Design and Evaluation of Interactive Systems*, 63 hrs, M1/M2, Univ. Paris-Sud

Master 2 Professional: Anastasia Bezerianos, *Design and Evaluation of Interactive Systems*, 38 hrs, M2Pro, Univ. Paris-Sud

Interaction Masters: Anastasia Bezerianos, *Mixed Reality and Tangible Interaction*, 18 hrs, M2, Univ. Paris-Sud

Interaction Masters: Michel Beaudouin-Lafon & Cédric Fleury, *Groupware and Collaborative Interaction*, 38 hrs, M2, Univ. Paris-Sud

HCID Masters: Caroline Appert, *Evaluation of interactive systems*, 63 hrs, M1, Univ. Paris-Sud

HCID Masters: Anastasia Bezerianos, Wendy Mackay, Michel Beaudouin-Lafon, *Human-Computer Interaction project*, 50 hrs, M1, Univ. Paris-Sud

Polytech Fifth year: Cédric Fleury, *Réalité Virtuelle et Interaction*, 40 hrs, M2, Univ. Paris-Sud

Polytech Third year: Anastasia Bezerianos, Olivier Chapuis, *Interaction Homme-Machine*, 18 hrs, M1, Univ. Paris-Sud

Polytech Third year: Cédric Fleury, *Projet Java-Graphique-IHM*, 24 hrs, M1, Univ. Paris-Sud

Polytech First year: Cédric Fleury, *Introduction à l'Informatique*, 38 hrs, L1, Univ. Paris-Sud

Licence Second year: Anastasia Bezerianos, *Developpement Logiciel*, 15 hrs, L2, Univ. Paris-Sud

DUT Informatique: Stéphane Huot, *Introduction à l'Interaction Homme-Machine*, 100 hrs, L1, IUT Orsay – Univ. Paris-Sud

DUT Informatique: Stéphane Huot, *Programmation Orientée Objet*, 21 hrs, L2, IUT Orsay – Univ. Paris-Sud

8.2.2. Supervision

PhD Students

PhD : Jérémie Garcia, *Supporting creative activities with interactive paper*, defended on 10 June 2014, Wendy Mackay & Theophanis Tsandilas

PhD in progress : David Bonnet, *Gesture-based interactions and instrumental interaction*, October 2011, Michel Beaudouin-Lafon & Caroline Appert

PhD in progress : Ghita Jalal, *Co-Adaptive Systems*, September 2013, Wendy Mackay

PhD in progress : Alexandre Kouyoumdjian, *Multimodal Selection of Numerous Moving Targets in Large Visualization Platforms: Application to Interactive Molecular Simulation.*, October 2013, Stéphane Huot, Patrick Bourdot & Nicolas Ferey (LIMSI-CNRS)

PhD in progress : Can Liu, *Collaborative Multiscale Navigation and Interaction*, October 2012, Michel Beaudouin-Lafon, Olivier Chapuis & Eric Lecolinet (Telecom ParisTech)

PhD in progress : Justin Mathew, *New visualization and interaction techniques for 3D spatial audio*, June 2013, Stéphane Huot & Brian Katz (LIMSI - CNRS)

PhD in progress : Daniel Strazzulla, *Multimedia Communication*, October 2012, Wendy Mackay

PhD in progress : Oleksandr Zinenko, *Interactive Code Restructuring*, September 2013, Stéphane Huot & Cédric Bastoul (Université de Strasbourg)

PhD in progress : Ignacio Avellino, *Remote Collaboration in Large Interactive Spaces*, September 2014, Michel Beaudouin-Lafon & Cédric Fleury

PhD in progress : Nolwenn Maudet, *Substrates and Co-Adaptive Instruments*, September 2014, Wendy Mackay & Michel Beaudouin-Lafon

PhD in progress : Jessalyn Alvina, *Mobile Co-Adaptive Instruments*, September 2014, Wendy Mackay

PhD in progress : Marc-Emmanuel Perrin, *Novel Interaction Models for Multi-surface Visualization*, September 2014, Michel Beaudouin-Lafon & James Eagan (Télécom ParisTech)

Masters students

Nolwenn Maudet, UTC Compiègne, “Substrates and Co-Adaptive Instruments ”: Wendy Mackay (2014)

Ignacio Avellino, RWTH Aachen, “Audio-Video support for Remote Collaboration”: Cédric Fleury (2014)

Guilherme Soares, Univ. Paris-Sud, “Instrumental Interaction for Neuroanatomy Imaging”: Michel Beaudouin-Lafon (2014)

Niyati Chowdhury, Univ. Trento, “Interactive Brain Visualization”: Michel Beaudouin-Lafon and Wendy Mackay (2014)

Olutosin Oduwole, Univ. Paris-Sud, “Distributed Video Editing on a Wall-Size Display”: Wendy Mackay & Can Liu (2014)

Thanassis Taousakos, Univ. Paris-Sud, “Detecting and Simplifying Users’ Routines on Mobile Devices”: Anastasia Bezerianos & Caroline Appert (2014)

Paola Pastor, Univ. Paris-Sud, “Making non-interactive surfaces interactive”: Wendy Mackay & Daniel Strazzulla (2014)

Chen Wang, Univ. Paris-Sud, “BFF Band: Rethinking Personal Communication”: Wendy Mackay & Daniel Strazzulla (2014)

Lucien Bobo, ENS Cachan, “Comm Apps for Remote Communication”: Wendy Mackay & Daniel Strazzulla (2014)

Louis Faucon, Ecole Polytechnique, “Interactive Communication Bands”: Wendy Mackay & Daniel Strazzulla (2014)

Jianqiao Li, Ecole Polytechnique, “Dynachord - Combining chord and gesture recognition”: Wendy Mackay (2014)

Miguel Rodriguez and Gabriella Villalobos, Univ. Paris-Sud, “Video Clipper - Structured Capture of Video Data”: Wendy Mackay (2014)

Bruno Fruchard, Univ. Paris-Sud, "Development of flexible mobile interfaces on Android". Olivier Chapuis & Anastasia Bezerianos (2014)

8.2.3. *Juries*

- University of Munich Doctoral Consortium: Wendy Mackay, jury member
- Olivier Beaudoux (ESEO Angers) – Habilitation à Diriger des Recherches: Michel Beaudouin-Lafon, jury member
- Frédéric Bevilacqua (IRCAM) – Habilitation à Diriger des Recherches: Michel Beaudouin-Lafon, reviewer
- Riad Akrouf (LRI) – PhD committee: Michel Beaudouin-Lafon, examiner
- Jérémie Gilliot (Université de Lille, Lille) – PhD committee: Stéphane Huot, reviewer
- Samuel Huron (Université Paris-Sud) – PhD committee: Wendy Mackay, jury member
- Yvonne Jansen (Inria Saclay) – PhD committee: Michel Beaudouin-Lafon, president
- Cédric Miville (Télécom Paris) – PhD committee: Wendy Mackay, jury member
- Charles Perrin (Inria) – PhD committee: Michel Beaudouin-Lafon, president
- Maria Cristina Riff Rojas (Université Paris-Sud) – PhD committee: Wendy Mackay, examiner
- Thomas Vincent (Université de Grenoble, Grenoble) – PhD committee: Stéphane Huot, reviewer
- Jean-Luc Vinot (Université Toulouse III - Paul Sabatier) – PhD committee: Wendy Mackay, reviewer
- Tenure case in the USA: Michel Beaudouin-Lafon, reviewer

8.3. Popularization

- “*L’homme doit contrôler l’ordinateur, pas l’inverse*”, Interview on Arte Television Future Mag, February 2014: Wendy Mackay <http://www.futuremag.fr/interview-integrale/lunettes-connectees-interview-avec-wendy-mackay>
- “*Quid sit musicus*”, World premiere at IRCAM on June 18, 2014 of the piece composed and directed by Philippe Leroux: Jérémie Garcia designed and developed technology and tools used in the composition and performance of the piece.
- “*PaperTonnetz*” and “*Dessines moi un paysage*”, Public Exhibition at Futur-en-Seine festival, June 2014: Jérémie Garcia. The demonstration was covered by the online news site 01net.com.
- “*L’être humain au coeur de la recherche en IHM*”, SIF Blog, Le Monde, July 2014: Interview of Wendy Mackay by Serge Abiteboul and Claire Mathieu.
- “*Interfaces de demain, la fin du tactile ?*”, conference at Université du Temps Libre Essonne, December 2014: Michel Beaudouin-Lafon.
- Scientific committee of the S-Cube association (Scientipole-Savoirs-Société) on the Saclay campus for an exhibit on the brain: Michel Beaudouin-Lafon (2013-2014).

MANAO Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events selection

8.1.1.1. member of the conference program committee

Expressive 2014 (NPAR-SBIM-CAe), Eurographics 2014, SIGGRAPH Asia Tech Brief & Posters 2014 CVPR 2014, ECCV 2014, Light Fields for Computer Vision 2014, Computational Cameras and Displays 2014, SPIE Photonics Asia 2014, International Conference on Computational Photography 2014, Pacific Graphics 2014

8.1.1.2. reviewer

ACM SIGGRAPH 2014, ACM SIGGRAPH Asia 2014, Eurographics 2015, Eurographics Symposium on Rendering 2014, Pacific Graphics 2014, ACM User Interface Software and Technology Symposium 2014

8.1.2. Journal

8.1.2.1. reviewer

ACM Transaction on Graphics (TOG), Computer Graphics Forum (CGF), Transactions on Visualization and Computer Graphics (TVCG), Computer & Graphics, Journal of Vision (JoV), SIAM Journal on Scientific Computing, Transactions on Pattern Analysis and Machine Intelligence (TPAMI), Applied Optics, Optics Letters, REFIG, Journal of Computer Science and Technology (JCST), Journal of Zhejiang University Science C (ZUSC)

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

The members of our team are involved in teaching computer science at University of Bordeaux, ENSEIRB Engineering School, and Institut d'Optique Graduate School (IOGS). General computer science is concerned, as well as the following graphics related topics:

Master : Pierre Bénard and Romain Pacanowski, Photorealistic and Expressive Image Synthesis, 60 HETD, M2, Univ. Bdx, France.

Master : Xavier Granier, Numerical Techniques, 45 HETD, M1, IOGS, France

Master : Xavier Granier, Image Synthesis, 14 HETD, M2, IOGS, France

Master : Gaël Guennebaud, Geometric Modeling, 22 HETD, M2, IOGS, France

Master : Xavier Granier, Romain Pacanowski, Boris Raymond Brett Ridet, Algorithmic and Object Programming, 60 HETD, M1, IOGS, France

Master : Xavier Granier, Radiometry, 10 HETD, M1, IOGS, France

Master : Gaël Guennebaud and Pierre Bénard, High-performance 3D Graphics, 60 HETD, M1, Univ. Bdx and IOGS, France.

Master : Pascal Guitton and Pierre Bénard, Virtual Reality, 60 HETD, M2, Univ. Bdx, France.

Master : Ivo Ihrke, Computational Optical Imaging, 30 HETD, M1, IOGS, France

Master : Ivo Ihrke, Introduction to Image Processing, 30 HETD, M1, IOGS, France

Master : Ivo Ihrke, Advanced Display Technology, 12 HETD, M1, IOGS, France

Master : Christophe Schlick, Pierre Bénard, Image Synthesis, 60 HETD, M2, ENSEIRB, France

Licence : Patrick Reuter, Digital Imaging, 36 HETD, L3, Univ. Bdx, France.

Some members are also in charge of some fields of study:

Master : Xavier Granier, Optics and Computer Science, M1/M2, IOGS, France.

License : Patrick Reuter, Science and Modeling, L2, Univ. Bdx, France.

8.2.2. Supervision

PhD : Cyprien Buron, Interactive Generation and Rendering of Massive Models: a Parallel Procedural Approach, Univ. Bordeaux, 4th of February 2014, J.-E. Marvie & G. Guennebaud & X. Granier

PhD : Heqi Lu, Importance Sampling of Realistic Light Sources, Univ. Bordeaux, 27th of February 2014, X. Granier & R. Pacanowski

PhD : Ilya Reshetouski, Kaleidoscopic Imaging, Saarland University, 6th of November 2014, I. Ihrke

PhD : Alkhazur Manakov, Calibration and Characterization of Advanced Image-Based Measurement Systems, Saarland University, I. Ihrke

PhD : Boris Raymond, Rendering and manipulation of anisotropic materials, Univ. Bordeaux, P. Barla & G. Guennebaud & X. Granier

PhD : John Restrepo, Plenoptic Imaging and Computational Image Quality Metrics, Univ. Bordeaux, I. Ihrke

PhD : Brett Ridell, Interactive spatial augmented reality, Univ. Bordeaux, P. Reuter & X. Granier

PhD : Carlos Zubiaga Pena, Image-space editing of appearance, Univ. Bordeaux, P. Barla & X. Granier

PhD : Florian Canezin, Implicit Modeling, Univ. Toulouse III, G. Guennebaud & Loïc Barthe

PhD : Mathieu Diawara, Computer-Assisted 2D Animation, Univ. Bordeaux, P. Barla, P. Bénard & X. Granier

PhD : Arthur Dufay, Adaptive high-quality of virtual environments with complex photometry, Univ. Bordeaux, J.-E. Marvie R. Pacanowski & X. Granier

PhD : Thibaud Lambert, Real-time rendering of highly detailed 3D models, Univ. Bordeaux, G. Guennebaud & P. Bénard

PhD : Loïs Mignard-Debize, Plenoptic function and its application to spatial augmented reality, Univ. Bordeaux, P. Reuter & I. Ihrke

8.2.3. Juries

PhD : Guillaume Bouchard [37], 23th of May, Lyon, France.

MAVERICK Project-Team

7. Dissemination

7.1. Promoting Scientific Activities

7.1.1. Scientific events organisation

7.1.1.1. member of the organizing committee

- Georges-Pierre Bonneau: co-chair of the Industrial track of *Eurographics* 2014,
- Nicolas Holzschuch: co-chair of the Tutorial track of *Eurographics* 2014

7.1.2. Scientific events selection

7.1.2.1. member of the conference program committee

- Georges-Pierre Bonneau:
 - Workshop on *Visualization in Environmental Sciences* (EnvirVis) 2014.
- Nicolas Holzschuch:
 - *ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games* 2014 and 2015,
 - *Eurographics* 2015 ,
- Cyril Soler:
 - *Eurographics Symposium on Rendering* 2014,
 - *Eurographics* 2014,
 - *Pacific Graphics* 2014.
- Joëlle Thollot:
 - *Expressive* conference (merging of NPAR, Computational Aesthetics and SBIM) 2014.

7.1.2.2. reviewer

All the faculties and some of the PhD students are collectively reviewing for all the major journals and conferences and the domain, and beyond this perimeter.

7.1.3. Journal

7.1.3.1. reviewer

All the faculties and some of the PhD students are collectively reviewing for all the major journals and conferences and the domain, and beyond this perimeter.

7.2. Teaching - Supervision - Juries

7.2.1. Teaching

Joëlle Thollot and Georges-Pierre Bonneau are both full Professor of Computer Science. Romain Vergne is an associate professor in Computer Science. They teach general computer science topics at basic and intermediate levels, and advanced courses in computer graphics and visualization at the master levels. Nicolas Holzschuch teaches advanced courses in computer graphics at the Master level. In addition, Romain Vergne taught an advanced course on "perception & graphics" at the spring school of ôkhra (Roussillon).

7.2.2. Supervision

- PhD: Eric Heitz, *Représentations alternatives pour le traitement haute qualité efficace des scènes complexes*, Université de Grenoble, October 2014, Fabrice Neyret
- PhD in progress: Guillaume Loubet, *Représentations efficaces de l'apparence sous-pixel*, Université de Grenoble, October 2010, Fabrice Neyret
- PhD in progress : Léo Allemand-Giorgis, *Visualisation de champs scalaires guidée par la topologie*, October 2012, Georges-Pierre Bonneau, Stefanie Hahmann.
- PhD in progress : Aarohi Johal, *Algorithmes de génération automatique d'arbres de construction à partir de modèles géométriques CAO B-Rep*, September 2013, Jean-Claude Léon, Georges-Pierre Bonneau, thèse CIFRE EdR R&D.
- PhD in progress : Benoît Zupancic, *Acquisition of reflectance properties using compressive sensing*, October 2012, Nicolas Holzschuch, Cyril Soler.
- PhD in progress : Hugo Loi, *Automatisation de la génération de textures vectorielles et application à la cartographie*, October 2012, Joëlle Thollot, Thomas Hurtut.
- PhD in progress : Benoit Arbelot, *Etudes statistiques de forme, de matériaux et d'environnement pour la manipulation de l'apparence*, October 2013, Joëlle Thollot, Romain Vergne.

7.2.3. Juries

- Joëlle Thollot has been member of the jury for the PhD of Arnaud Emilien (Grenoble, 10/12/14)

7.3. Popularization

Every year, “MobiNet” (see section 4.5) classes are conducted with high school pupils of the large Grenoble area to practice initiation and intuition on Computer Science, Maths and Physics. Depending on the year, we have 2 to 4 groups in the scope of INP-Grenoble “Engineering weeks”, and 0 to 2 groups in the scope of Math-C2+ operations.

MIMETIC Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

Scientific Chair: Franck Multon, "Maintien de l'équilibre debout en situation dynamique chez l'être humain", special day of the French Society of Biomechanics, co-organized with Pierre-Brice Wieber and Thomas Robert, Paris, May 16th 2014

9.1.2. Scientific events selection

9.1.2.1. Responsible of the conference program committee

Richard Kulpa, Symposium "Réalité virtuelle et équilibre", SOFPEL (Société Francophone Posture Equilibre Locomotion), Rennes, 5 décembre 2014

9.1.2.2. Member of the conference program committee

Franck Multon, ACM VRST 2014, Edinburgh, UK, November 2014

Franck Multon, ACM Motion in Games MIG 2014, Los Angeles, US, November 2014

Franck Multon, Computer Animation and Social Agents CASA 2014, Houston, May 2014

9.1.2.3. Reviewer

Franck Multon, IEEE VR 2015, ACM SIGGRAPH Asia 2014

Armel Crétual, EuroGraphics'15

Richard Kulpa, IEEE 3DUI

Georges Dumont, ASME-DECT 2014, IDMMME-Virtual concept 2014

9.1.3. Journal

9.1.3.1. Member of the editorial board

Franck Multon, Presence, MIT Press

Armel Crétual, Journal of Electromyography and Kinesiology, Elsevier

9.1.3.2. Reviewer

Franck Multon, Frontiers in Neuroscience, PlosOne,

Armel Crétual, Transactions on Visualization and Computer Graphics, Journal of Electromyography and Kinesiology, Gait & Posture, Medical & Biological Engineering & Computing

Charles Pontonnier, IEEE Transactions on Visualization and Computer Graphics, International Journal of Virtual Reality

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

9.2.1.1. Master level

Master : Franck Multon, "Images et Mouvement - IMO", leader of the module, 20H, Master 2 research in computer sciences, University Rennes1, France

Master : Franck Multon, "Santé et Performance au Travail : étude de cas", leader of the module, 30H, Master 1 M2S, University Rennes2, France

Master : Franck Multon, "Analyse Biomécanique de la Performance Motrice", leader of the module, 30H, Master 1 M2S, University Rennes2, France

Master : Franck Multon, "Modélisation et Simulation du Mouvement", leader of the module, 30H, Master 2 M2S, University Rennes2, France

Master: Marc Christie, "Multimedia Mobile", leader of the module, Computer Science, University of Rennes 1, France

Master : Armel Crétual, "Méthodologie", leader of the module, 20H, Master 1 M2S, University Rennes2, France

Master : Armel Crétual, "Biostatistiques", leader of the module, 15H, Master 2 M2S, University Rennes2, France

Master: Charles Pontonnier, "Numerical methods", leader of the module, Mechanics, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

Master: Charles Pontonnier, "Numerical simulation of mechanical systems", leader of the module, Mechanics, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

Master: Charles Pontonnier, "Analytical Mechanics" , Mechanics, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

Master: Charles Pontonnier, "Design and control of mobile robots", leader of the module, Electronics, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

Master: Charles Pontonnier, "Design, simulation and control of mechanical systems", leader of the module, Lecturers training in mechatronics, École Normale Supérieure de Rennes, France

Master : Richard Kulpa, "Contrôle moteur", leader of the module, Master 1 M2S, Université Rennes 2, France

Master : Richard Kulpa, "Boucle analyse-modélisation-simulation du mouvement", leader of the module, Master 2 M2S, Université Rennes 2, France

Master : Richard Kulpa, "Méthodes numériques d'analyse du geste", leader of the module, Master 2 M2S, Université Rennes 2, France

Master : Richard Kulpa, "Cinématique inverse", leader of the module, Master 2 M2S, Université Rennes 2, France

Master: Fabrice Lamarche, "Compilation pour l'image numérique", 29h, Master 1, ESIR, University of Rennes 1, France

Master: Fabrice Lamarche, "Synthèse d'images", 12h, Master 1, ESIR, University of Rennes 1, France

Master: Fabrice Lamarche, "Synthèse d'images avancée", 28h, Master 1, ESIR, University of Rennes 1, France

Master: Fabrice Lamarche, "Modélisation Animation Rendu", 36h, Master 2, ISTIC, University of Rennes 1, France

Master: Fabrice Lamarche, "Jeux vidéo", 26h, Master 2, ESIR, University of Rennes 1, France

Master : Georges Dumont, Mechanical simulation in Virtual reality, 36H, Master Mechatronics, Rennes 1 University and École Normale Supérieure de Rennes, France

Master : Georges Dumont, Responsible of the second year of the master Mechatronics, Rennes 1 University and École Normale Supérieure de Rennes, France

Master : Georges Dumont, Mechanics of deformable systems, 40H, Master FES, École Normale Supérieure de Rennes, France

Master : Georges Dumont, oral preparation to agregation competitive exam, 20H, Master FES, École Normale Supérieure de Rennes, France

Master : Georges Dumont, Vibrations in Mechanics, 10H, Master FES, École Normale Supérieure de Rennes, France

Master : Georges Dumont, Multibody Dynamics, 9H, Master FES, École Normale Supérieure de Rennes, France

Master : Georges Dumont, Finite Element method, 12H, Master FES, École Normale Supérieure de Rennes, France //

9.2.1.2. Licence level

Licence : Franck Multon, "Ergonomie du poste de travail", Licence STAPS L2 & L3, University Rennes2, France

Licence : Marc Christie, "Système d'information Tactiques", Computer Science, University of Rennes 1, France

Licence : Marc Christie, "Programmation Impérative 1", leader of the module, University of Rennes 1, France

Licence : Armel Crétual, "Analyse cinématique du mouvement", 100H, Licence 1, University Rennes 2, France

Licence: Charles Pontonnier, "Numerical control", leader of the module, Electronics, École Inter-Armes de Saint-Cyr Coëtquidan, France

Licence : Richard Kulpa, "Biomécanique (dynamique en translation et rotation)", Licence 2, Université Rennes 2, France

Licence : Richard Kulpa, "Méthodes numériques d'analyse du geste", Licence 3, Université Rennes 2, France

Licence : Richard Kulpa, "Statistiques et informatique", Licence 3, Université Rennes 2, France

Licence: Fabrice Lamarche, "Initiation à l'algorithmique et à la programmation", 56h, License 3, ESIR, University of Rennes 1, France

License: Fabrice Lamarche, "Programmation en C++", 46h, License 3, ESIR, University of Rennes 1, France

Licence: Fabrice Lamarche, "IMA", 24h, License 3, ENS Rennes, ISTIC, University of Rennes 1, France

9.2.2. Supervision

PhD : Antoine Marin, Le mouvement segmentaire au service du déplacement dans la marche : analyse couplée des deux niveaux, University Rennes 2, 15th of December 2014, Armel Crétual

PhD : Mickael Ropars, Contribution clinique et biomécanique au diagnostic d'hyperlaxité de l'épaule, University Rennes 2, 7th of April 2014, Isabelle Bonan & Armel Crétual

PhD : Marion Morel, Suivi et étude des interactions pour l'analyse des tactiques durant un match de basket-ball, UPMC - University Rennes 2, septembre 2014, Catherine Achard & Séverine Dubuisson & Richard Kulpa

PhD : Pierre Touzard, Suivi longitudinal du service de jeunes joueurs de tennis élite : identification biomécanique des facteurs de performance et de risque de blessures, University Rennes 2, septembre 2014, Benoit Bideau & Richard Kulpa & Caroline Martin

PhD : Steve Tonneau, Synthèse et planification de mouvement pour des personnages virtuels en environnements contraints, INSA Rennes, 2011-2015, Franck Multon & Julien Pettré

PhD : Pierre Plantard, Estimation des efforts musculaires à partir de données in situ pour l'évaluation ergonomique d'un poste de travail, 2013-2016, Franck Multon & Anne-Sophie LePierres

PhD: Philippe Rannou, Modèle rationnel pour les humains virtuels autonomes, University of Rennes 1, Fabrice Lamarche & Marie Odile Cordier

PhD: Carl-Johan Jorgensen, Peuplement automatisé d'environnements urbains pour l'étude et la validation d'aménagements, University of Rennes 1, Fabrice Lamarche& Kadi Bouatouch

PhD: Ana Lucia Cruz Ruiz, Design of a modular and multiscale musculoskeletal model as a support to motion analysis-synthesis, Ecole normale supérieure, Georges Dumont

PhD: Kevin Jordao, Peuplement massif de maquettes numériques immenses, University Rennes1, Julien Pettré

PhD: Julien Bruneau, Foules immersives, University Rennes1, Julien Pettré

9.2.3. Juries

PhD : Antoine Marin, Le mouvement segmentaire au service du déplacement dans la marche : analyse couplée des deux niveaux, Université Rennes2, December 15th, Franck Multon, examinateur

PhD : Benjamin Goislard de Monsabert, Individualisation des paramètres musculaires pour la modélisation musculo-squelettique de la main : application à la compréhension de l'arthrose, Université Aix-Marseille, Franck Multon, président

PhD : Simon Courtemanche, Analyse et Simulation des Mouvements Optimaux en Escalade, Université de Grenoble, Franck Multon, rapporteur

PhD : Chenggang Wang, Disassembly sequences generation and evaluation. Integration in virtual reality environment, Université de Grenoble, Georges Dumont, rapporteur

PhD : Thi Thuong Huyen Nguyen, Proposition of new metaphors and techniques for 3D interaction and navigation preserving immersion and facilitating collaboration between distant users, Insa de Rennes, Georges Dumont, examinateur

HDR : Didier Pradon, Modélisation et caractérisation des activités locomotrices des sujets cérébrolésés, UVSQ, Franck Multon, président

HDR : Christine Aevodo, Assistance fonctionnelle : exploiter les fonctions résiduelles du système sensori-moteur déficient, Franck Multon, Université de Montpellier 2, rapporteur

MINT Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Conference Organization

- **IHM** (Villeneuve d'Ascq, Oct 28-31): Géry Casiez & Thomas Pietrzak (General Chairs), Fanny Chevalier (Workshops Co-Chair), Alix Goguey (Student Volunteer Chair), Nicolas Roussel (Communication Chair)
- IEEE VIS, Paris, France: Fanny Chevalier (Arts Program Co-Chair)
- ACM UIST, Honolulu, USA: Géry Casiez (Poster Co-chair), Fanny Chevalier (Video Previews Co-Chair)
- ACM CHI, Toronto, Canada: Fanny Chevalier (Video Previews Co-Chair), Nicolas Roussel (Video Showcase Co-Chair)
- **FITG** (Tourcoing, May 13-14): Nicolas Roussel (scientific chair), Thomas Pietrzak
- Eurohaptics: Frédéric Giraud, Betty Semail

9.1.2. Program Committees

- ACM UIST: Fanny Chevalier
- ACM CHI: Fanny Chevalier, Thomas Pietrzak (works in progress)
- Eurohaptics: Thomas Pietrzak, Frédéric Giraud, Betty Semail
- 3DUI: Géry Casiez
- GRAPP: Laurent Grisoni
- International Workshop on Movement and Computing: Laurent Grisoni, Nicolas Roussel

9.1.3. Editorial boards

- IEEE Transactions on Haptics : Frédéric Giraud (Associate Editor)
- IEEE Transactions on Power Electronics: Betty Semail (Associate Editor)

9.1.4. Journal and Conference Reviewing

- IEEE Transactions on Visualization and Computer Graphics (TVCG): Fanny Chevalier
- IEEE Transactions on Haptics (ToH): Frédéric Giraud, Betty Semail
- ACM Transactions on Interactive Intelligent Systems: Fanny Chevalier
- Behaviour & Information Technology: Thomas Pietrzak
- HCI Journal: Géry Casiez
- ACM UIST: Nicolas Roussel, Laurent Grisoni
- ACM CHI: Géry Casiez, Fanny Chevalier, Nicolas Roussel, Laurent Grisoni
- ACM SIGGRAPH: Géry Casiez, Fanny Chevalier
- IEEE INFOVIS: Fanny Chevalier
- 3DUI: Laurent Grisoni
- ErgoIHM : Laurent Grisoni
- EuroHaptics: Laurent Grisoni
- Graphics Interface: Fanny Chevalier

9.1.5. Invited Expertises

- Agence d'évaluation de la recherche et de l'enseignement supérieur (AERES): Nicolas Roussel
- Agence Nationale de la Recherche (ANR): Fanny Chevalier, Thomas Pietrzak, Frédéric Giraud
- MITACS Accelerate Program: Géry Casiez, Fanny Chevalier, Frédéric Giraud
- FNRS (Fédération nationale de recherche scientifique, Belgique): Laurent Grisoni
- Conseil régional Aquitaine: Laurent Grisoni

9.1.6. Scientific Associations

- AFIHM, the French speaking HCI association: G. Casiez (president), S. Huot (member of the Executive Committee and of the Scientific Council), Thomas Pietrzak (member of the Executive Committee)

9.1.7. Hiring Committees

- Inria's acceptance jury for junior researcher positions: N. Roussel
- Inria Lille's eligibility jury for junior researcher positions: N. Roussel (president)
- Inria Saclay's eligibility jury for junior researcher positions: N. Roussel
- Université Paris-Sud, Comité de Sélection MCF 27ème section (Computer Science): Géry Casiez, Fanny Chevalier
- Université Nancy, Comité de sélection PR 63ième section (Electrical Engineering): Betty Semail
- Université de Compiègne, Comité de selection PR 63ième: Betty Semail (president)

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

IUT : Géry Casiez, Algorithmique, 80, niveau 1A, Bases de données, 24, niveau 1A, modélisation mathématique, 14, niveau 2A, Conception orientée objet, 24, niveau 2A, IHM, 77, niveau 2A, projets, 18, niveau 2A, Université Lille 1, France

Licence : Thomas Pietrzak, AEL : Automates et Langages, 36, niveau L3, Université Lille 1, France

Licence : Thomas Pietrzak, ASD : Algorithmes et Structures de Données, 36, niveau L3, Université Lille 1, France

Master : Géry Casiez, Thomas Pietrzak & Nicolas Roussel, IHM : Interaction Homme-Machine, (8h, 56h, 32h), niveau M1, Université Lille 1, France

Master: Géry Casiez & Fabrice Aubert; Multi-Touch Interaction, 24h, M1, Univ. Lille 1, Université Lille 1, France

Master : Frédéric Giraud: Power Electronics (40h) niveau M1, Université Lille1, France

Master : Géry Casiez, Fanny Chevalier, Laurent Grisoni & Thomas Pietrzak, NIHM : nouvelles Interactions Homme-Machine, (14h, 12h, 6h, 16h), niveau M2, Université Lille 1, France

Master: Laurent Grisoni, représentation et compression de données (24h), introduction à la programmation (38h), cryptographie (8h), Ecole Polytech'lille (dept IMA)

Master : Laurent Grisoni & Thomas Pietrzak, IHM et Interface à Gestes, (24, 12h), niveau M2 (IMA5), Polytech Lille, France

Master : Géry Casiez & Thomas Pietrzak, 3DETech : 3D Digital Entertainment Technologies, (?, 10.5h), niveau M2, Télécom Lille, France

Introduction to HCI, haptics and computer graphics, 24h, Ecole Centrale de Lille (G2): N. Roussel

9.2.2. Supervision

- PhD in progress : Amira Chalbi, “Understanding and designing animations for graphical user interfaces”, Univ. Lille 1, started October 2014, co-advised by N. Roussel and F. Chevalier
- PhD in progress: Alix Goguey, “Interacting between physical and digital tools”, Univ. Lille 1, started October 2013, co-advised by G. Casiez and T. Pietrzak
- PhD in progress: Andéol Evain, “Smart user interfaces based on BCI”, Univ. Rennes 1, started September 2013, co-advised by A. Lecuyer (in Rennes), G. Casiez and N. Roussel
- PhD in progress: Jonathan Aceituno, “Designing the ubiquitous desktop”, Univ. Lille 1, started October 2011, advised by N. Roussel
- PhD in progress: Sofiane Ghenna, “multimodal control of piezoelectric actuators”, Univ. Lille 1, started October 2013, co-advised by F. Giraud and C. Giraud-Audine
- PhD in progress: Eric Vezzoli, “friction control techniques for tactile rendering”, started September 2013, advised by B. Semail
- PhD in progress: Thomas Sednaoui started September 2013, co-advised by B. Semail and C. Chappaz
- Yosra Rekik, “Multi-finger gestural interaction”, Univ. Lille 1, co-advised by L. Grisoni and N. Roussel, defended December 10th 2014
- Jérémie Gilliot, “Interactions multi-points indirectes sur grands écrans”, Univ. Lille 1, co-advised by N. Roussel and G. Casiez, defended February 26th
- Farzan Kalantari, “shape feedback interaction devices”, Univ. Lille 1, started oct. 2014, co-advised by L. Grisoni and F. Giraud.
- Frederic Largilière, “Soft robots”, Univ. Lille 1, started oct 2013, co-advised by L. Grisoni and C. Duriez (SHACRA/DEFROST team)
- Vincent Gouezou, “architects and tools”, ANMA Architect cabinet (CIFRE funding)/Lille 3, co-advised by L. Grisoni and F. Vermandel (ecole d’architecture de Lille)

9.2.3. Juries

- Arnaud Hamon, PhD (Univ. de Toulouse, December): Nicolas Roussel (reviewer)
- Anthony Talvas, PhD (Univ. Rennes 1, December): Géry Casiez (reviewer)
- David Bertolo, PhD (Univ. Lorraine, November): Géry Casiez (reviewer)
- Jean-Luc Vinot, PhD (Univ. Toulouse 3, November): Géry Casiez (reviewer)
- Liuqing Wang (Insa de Lyon, November): Frédéric Giraud (reviewer)
- Olivier Beaudoux, HDR (Univ. d’Angers, August): Nicolas Roussel (reviewer)
- Christophe Winter (EPF Lausanne - Suisse) : Betty Semail (reviewer)
- Jérémie Garcia, PhD (Univ. Paris-Sud, June): Nicolas Roussel (examiner)
- Guillaume Trannoy (ESPCI, April): Betty Semail (reviewer)
- Charles Hudin 2014 (ESPCI, march): Betty Semail (reviewer)
- Fabien Danieau, PhD (Univ. Rennes 1, January): Géry Casiez (reviewer)
- Simon Courtemanche, PhD (Univ. Grenoble, dec): Laurent Grisoni (reviewer)

9.3. Popularization

- Fête de la science (October), “chercheurs itinérants”: Jonathan Aceituno, Fanny Chevalier, Alix Goguey, Damien Marchal, Hanaë Rateau, Nicolas Roussel, Laurent Grisoni
- “30 minutes de science” (September): Fanny Chevalier
- Guest of the *Place de la toile* France Cultures radio program (March): Nicolas Roussel
- technical advising of “zoomachines” week-end (imaginarium, Tourcoing, nov. 2014): Laurent Grisoni

POTIOC Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. member of the organizing committee

- IEEE VR 2015 Lab and project presentation Chair (M. Hachet)

9.1.1.2. steering committee

- IEEE 3DUI (M. Hachet)

9.1.1.3. workshop organisation

- first OpenViBE workshop, September 2014, satellite workshop of the 6th International BCI conference, Graz, Austria, co-organized with Inria teams Athena, Hybrid, Neurosys and with the company Mensia Technologies (F. Lotte)
- BCI Workshop for art, Academy of Media Arts Cologne (KHM), Germany, February 2014 (C. Mühl)
- Interco3D Workshop at IHM14 (M. Hachet and F. Lotte)
- Workshop «Perspectives on Gender and Product Design» at CHI 2014 (A. Brock)

9.1.1.4. International Tutorials and Summer/Autumn/Winter schools

- "Design of BCI based on Oscillatory activity: signal processing and more", International BCCI Winter School on Neurotechnologies, Berlin, Germany, February 2014 (F. Lotte)
- "EEG Signal Processing and Classification for Brain Computer Interfacing (BCI) Applications", with A. Konar and A. Sinharay, ICASSP 2014, Florence, Italy, May 2014 (F. Lotte)

9.1.2. Scientific events selection

9.1.2.1. member of the conference program committee

- 6th International BCI conference (F. Lotte)
- CHI 2015 Program Committee (M. Hachet)
- ITS 2014 Poster Committee (A. Brock)
- MobileHCI 2014 Poster Committee (A. Brock)
- PRNI 2014 (F. Lotte)
- SUI 2014 (M. Hachet)
- Web3D 2014 (M. Hachet)

9.1.2.2. member of award committee

- Best talk and poster award committee, 6th International BCI Conference, Graz, Austria (F. Lotte)
- PhD Thesis award 2014 from AFIA (French Association for Artificial Intelligence) (F. Lotte)
- Best Poster award committee, SUI 2014, Honolulu, USA (M. Hachet)

9.1.2.3. reviewer

- CHI 2014 (A. Brock, M. Hachet, F. Lotte)
- CHI 2015 (A. Brock, M. Hachet, F. Lotte)
- EICS 2014 (A. Brock)
- Eurohaptics 2014 (A. Brock)

- ICASSP 2014 (F. Lotte)
- IEEE SMC 2014 (F. Lotte)
- IHM 2014 (A. Brock, F. Lotte)
- International BCI conference 2014 (F. Lotte)
- ITS 2014 (A. Brock)
- MobileHCI 2014 (A. Brock)
- NordiChi 2014 (A. Brock)
- PRNI 2014 (F. Lotte)
- UIST 2014 (A. Brock, M; Hachet, F. Lotte)

9.1.3. Journal

9.1.3.1. member of the editorial board

- journal ACM JOCCH Guest editor, Special issue on « Interacting with the past » 2014 (M. Hachet)
- Brain-Computer Interfaces journal Guest editor, Special issue on “Affective Brain-Computer Interfaces”, 2014 (C. Mühl)

9.1.3.2. reviewer

- ACM TOCHI (F. Lotte)
- BCI (F. Lotte)
- Behaviour & Information Technology (A. Brock)
- IEEE CG&A (F. Lotte)
- IEEE Trans. Affective Computing (F. Lotte)
- IEEE Trans. Biomed. Eng. (F. Lotte)
- IEEE Trans. on Computational Intelligence and AI in Games (J. Frey)
- IEEE Trans. Cybernetics (F. Lotte)
- IEEE Trans. on Haptics, Special Issue: Haptic Assistive Technology for Individuals who are Visually Impaired (A. Brock)
- IEEE Trans. Human Machine Systems (F. Lotte)
- International Journal of Human-Computer Studies (A. Brock)
- JMIHI (F. Lotte)
- J. Neural Eng. (F. Lotte)
- Pattern Recognition (J. Frey)
- PLOS-One (F. Lotte)
- Presence (F. Lotte)
- Proceedings of the IEEE (F. Lotte)

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Bordeaux University

- Master : Jérémy Laviolle, Experimentation and Development projects , 5h, M2, University of Bordeaux, France
- Master : Jérémy Laviolle, Programmation project , 5h, M1, University of Bordeaux, France
- Master : Jérémy Frey, Programmation project , 27h, M1, University of Bordeaux, France

- Master : Anke Brock, Virtual Reality and 3D Interaction, 7,5h eqtd, M2 Cognitive Science, University of Bordeaux, France
- Master : Martin Hachet, Virtual Reality and 3D Interaction, 12h eqtd, M2 Cognitive Science, University of Bordeaux, France
- Master : Fabien Lotte, Virtual Reality and 3D Interaction, 5h, M2 Cognitive Science, University of Bordeaux, France
- Master : Jérémy Laviolle, Initiation to Research, 5h, M2, Bordeaux University, Bordeaux, France
- Licence : Camille Jeunet, Knowledge and Representation, 16h, L3 Mathematics and Informatics applied to Human and Social Sciences, University of Bordeaux, France
- Licence : Camille Jeunet, Human Sciences and Methods, 16h, L1 Mathematics and Informatics applied to Human and Social Sciences, University of Bordeaux, France
- Licence : Camille Jeunet, Cognitive Psychology, 16h, L1 Psychology, University of Bordeaux, France
- Licence : Camille Jeunet, Scientific Methodology, 16h, L2 Psychology, University of Bordeaux, France

Enseirb MatMéca

- Master : Anke Brock, Video Games and Interaction, 12h eqtd, 3rd year (M2), Enseirb, Bordeaux, France
- Master : Martin Hachet, Video Games and Interaction, 9h eqtd, 3rd year (M2), Enseirb, Bordeaux, France
- Master : Jérémy Laviolle, Project Multimedia Analysis, 16h, 3rd year (M2), Enseirb, Bordeaux, France

Optical Institute Graduate School

- Master : Jérémy Laviolle, High Performance Programming, 20h, 2nd year (M1), Optical Institute Graduate School, Bordeaux, France
- Master : Jérémy Laviolle, Image Analysis, 20h, 2nd year (M1), Optical Institute Graduate School, Bordeaux, France

Other Universities

- Master : Anke Brock, Human-Computer Interaction, 12h eqtd, 2nd year (M2SIR), University Toulouse, France
- Master: Fabien Lotte, Virtual Reality, Accesibility and Brain-Computer Interaction, 4h, M1/M2 level, ENSSAT Lannion, France

9.2.2. Supervision

PhD Students

- Damien Clergeaud, "Interactive Collaboration in Virtual Reality for Aerospace Scenarii", started November 1st, 2014, Pascal Guitton
- Jérémy Frey (PhD candidate in Computer Science, Bordeaux University), "Using Passive Brain-Computer Interfaces to assess and optimize 3D User Interfaces", started October 1st, 2012, Fabien Lotte and Martin Hachet
- Renaud Gervais, "Organic User Interfaces", started December 1st, 2012, Martin Hachet
- Camille Jeunet (PhD candidate in Cognitive Sciences, Bordeaux University), "Improving User training approaches for Brain-Computer Interface", started October 1st, 2013, Fabien Lotte, Martin Hachet, Bernard N'kaoua and Sriram Subramanian.
- Joan Sol Roo, "Interaction with Spatial Augmented Reality", started November 1st 2014, M. Hachet

- Lorraine Perronet (PhD candidate in Computer Science, Rennes University): “Neurofeedback and brain Rehabilitation based on EEG and fMRI”, 2014-2017 (expected), Fabien Lotte co-supervising with Anatole Lécuyer, Christian Barillot and Maureen Clerc
- Stephanie Lees (PhD candidate in Computer Science, Ulster University, UK): “Assessing and Optimising Human-Machine Symbiosis through Neural signals for Big Data Analytics”, 2014-2018 (expected), Fabien Lotte co-supervising with Damien Coyle, Paul McCullagh and Liam Maguire

Master Students

- Damien Clergeaud, « Interactive juggling », Martin Hachet
- Jean Bui Quang, « Hybrid optical bench », Martin Hachet
- Julia Schumacher (Master student in Computational Neuroscience, BCCN, Germany), "Explanatory feedback for Brain-Computer Interface training", Fabien Lotte
- Loïc Renault (Master student in Neurosciences, Bordeaux University), "The impact of self-paced training on BCI performances", Fabien Lotte
- Joao-Pedro berti Ligabo (Master student, Institut d'Optique Graduate School), "EEG signal denoising in OpenViBE", Fabien Lotte and Alison Cellard
- Dennis Wobrock (Master student in Cognitics, ENSC), "Physiological computing for 3D user interaction", Fabien Lotte co-supervising with Julien Castet
- Morgane Sueur (Master 1 Cognitive Science), "Human Learning in BCIs", Camille Jeunet
- Aurélien Appriou (Master 1 Cognitive Science), "Assessing stereoscopy with EEG", Jérémy Frey

Other Supervision

- Bachelor : supervision of student project about "Using BCIs for stroke rehabilitation", Bordeaux University, France, Camille Jeunet
- Master : supervision of student project on 3D tangible tabletops, M2, Bordeaux University, France, Anke Brock and Renaud Gervais

9.2.3. Juries

- Thesis Reviewer: Thi Thuong Huyen Nguyen, November 2014, INSA de Rennes, "Proposition of new metaphors and techniques for 3D interaction and navigation preserving immersion and facilitating collaboration between distant user », Martin Hachet
- Thesis Reviewer: Matthieu Duvinage, University of Mons, Belgium, 2014, Fabien Lotte
- Thesis Reviewer: Wojciech Samek, TU Berlin, Germany, 2014, Fabien Lotte
- Thesis Examiner: Yosra Rekik, December 2014, Université Lille 1, « comprendre, modéliser, et concevoir l'interaction gestuelle tactile", Martin Hachet
- Thesis Examiner: Romain Trachel, Inria Sophia-Antipolis/Université de Marseille, France, 2014, Fabien Lotte
- Thesis Examiner: Damien Lesenfants, Liège University, Belgium, 2014, Fabien Lotte
- Thesis Examiner: Jonathan Grizou, Inria Bordeaux Sud-Ouest/Bordeaux University, France, 2014, Fabien Lotte

9.3. Popularization

Popularization talks

- Presentation about Inria to High School Students during Aquitec, January (C. Jeunet)
- Presentation about Cognitive Sciences and Inria to High School Students at a local high school, March (C. Jeunet)

- Tangible and Gestural Interaction Forum (<http://fitg.lille.inria.fr/>), presentation (20mins) in Tourcoing, France, May 14th (J. Laviolle)
- Talk about Brain Computer Interfaces at "Café de la Connaissance", May (A. Cellard and C. Jeunet)
- New European Media Summit, Brussels, Belgium , September 30th (J. Laviolle, F. Lotte)
- Presentation on "How to design the computers of the future" and speedmeeting during "Filles et mathématiques: une équation lumineuse" (event to raise interest in mathematics in female high school students), University Toulouse, December 10th (A. Brock)

REVES Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

G. Drettakis chairs the EG Working group on Rendering. He also heads the steering committee of the Gouraud-Phong Immersive Space at Sophia-Antipolis.

9.1.1.2. member of the organizing committee

G. Drettakis served on several ad-hoc ACM and IEEE Committees, concerning policy and EIC searches.

9.1.2. Scientific events selection

9.1.2.1. member of the conference program committee

George Drettakis and Adrien Bousseau served on the Eurographics 2014 international program committee. Adrien Bousseau served on the SIGGRAPH 2014 program committee and the SIBGRAPI 2014 program committee. George Drettakis served on the EGSR 2014 international program committee.

9.1.3. Journal

9.1.3.1. member of the editorial board

G. Drettakis is an associate editor-in-chief for IEEE Transactions on Computer Graphics and Visualization.

9.1.3.2. reviewer

G. Drettakis and A. Bousseau are frequent reviewers for ACM Transactions on Graphics, IEEE Transactions on Computer Graphics and Visualization, Computer Graphics Forum.

9.1.4. Conferences

9.1.4.1. Attendance

- Sylvain Duchêne, Rodrigo Ortiz Cayon, Adrien Bousseau and George Drettakis attended the Eurographics Symposium on Rendering in Lyon.
- Emmanuel Iarussi, Rodrigo Ortiz Cayon and Adrien Bousseau attended the Eurographics conference in Strasbourg.
- Adrien Bousseau and George Drettakis attended the SIGGRAPH conference in Vancouver.
- Kenneth Vanhoey attended the ACM Siggraph Asia 2014 conference in Shenzhen, China

9.1.5. Summer Schools

9.1.5.1. Attendance

Rodrigo Ortiz Cayon attended a summer school on virtual reality at ESTIA - Bidart, France.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Masters: G. Drettakis organizes and teaches Computer Graphics at the ECP (Paris) (9h), A. Bousseau teaches 3h at the same course. G. Drettakis teaches 6h in the MAPI M1 Module (Jeux Video), A. Bousseau teaches 3h in this program. A. Bousseau organizes and teaches the Computer Graphics module in the Master 1 International in Computer Science of University Nice Sophia Antipolis (9h), G. Drettakis teaches 4.5h in this program.

Licence: Emmanuel Iarussi is a teaching assistant for the course on Human Computer Interaction at IUT - University Nice Sophia-Antipolis.

9.2.2. Supervision

- PhD in progress: Rodrigo Ortiz-Cayon, Inpainting and Artifact Removal for Image Based Rendering, (started November 2013), Advisor: George Drettakis.
- PhD in progress: Emmanuel Iarussi, Computer-Assisted Drawing, since October 2012, Advisor: George Drettakis, Co-advisor: Adrien Bousseau
- PhD in progress: Sylvain Duchene, Image-Based Relighting, since October 2011 (to defend in March 2015), Advisor: George Drettakis.
- PhD in progress: Uditha Kasthuriarachchi, Mixed rendering of captured and virtual content, since November 2014, Advisor: George Drettakis.
- PhD defended: Gaurav Chaurasia, Algorithms and Perceptual Analysis for Interactive Free View-point Image-Based Navigation [12], since October 2010 (defended February 2014), Advisor: George Drettakis
- PhD defended: Emmanuelle Chapoulie, Gestures and direct manipulation for immersive virtual reality [11], since October 2010 (defended June 2014), Advisor: George Drettakis
- Internship: Ayush Tewari. Advisor: George Drettakis, Co-advisor: Adrien Bousseau
- Internship: Rahul Arora. Advisor: Adrien Bousseau
- Internship: Uditha Kasthuriarachchi. Advisor: George Drettakis

9.2.3. Juries

- G. Drettakis was a member of the Ph.D. committee of J. Ardouin in Rennes (December).

9.3. Popularization

9.3.1. Popularization, Invited Talks

- We participated in the VERVE workshop on virtual reality technologies for ageing, which took place at the Institut Claude Pompidou on Nov. 6th. Over 200 participants (patients, families and caregivers) visited during this day. George Drettakis gave a short interview on our research for local television.
- Adrien Bousseau presented his work on sketch-based modeling at Lycée de Vence during the Fête de la science 2014. He also participated to a “cafe science” during the Semaine du Cerveau event in Marseille.
- Adrien Bousseau gave an invited talk at the Amadeus Global Technical Forum, December 2014.
- Adrien Bousseau and George Drettakis gave invited talks at UC Berkeley in the context of the associate team CRISP.

9.3.2. Demos

We gave demos to companies visiting the site, often including presentations in the immersive space: Visteon, Optis. We also gave demos and presentations at the Mediterranean Days event, to university and high school students (“stages 3eme”), as well as representatives from the Sustainable Design School in Nice.

TITANE Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organization

9.1.1.1. General chair, scientific chair

Florent Lafarge was co-chair of the ISPRS working group on point cloud processing. Pierre Alliez joined the Horizon 2020 Advisory Group for Societal Challenge 6 ‘Europe in a changing world – Inclusive, Innovative and Reflective Societies. Pierre Alliez joined the Steering Board of the EUROGRAPHICS Workshop on Graphics and Cultural Heritage.

9.1.2. Scientific events selection

9.1.2.1. responsible of the conference program committee

Pierre Alliez was program co-chair of GMP (Geometric Modeling and Processing).

9.1.2.2. member of the conference program committee

Florent Lafarge was a program committee member for PCV’14 and 3DV’14. Pierre Alliez was program committee member for EUROGRAPHICS Symposium on Geometry Processing, Shape Modeling International, EUROGRAPHICS Workshop on Graphics and Cultural Heritage and EUROGRAPHICS Workshop on Urban Data Modelling and Visualisation.

9.1.3. Journal

9.1.3.1. member of the editorial board

Pierre Alliez is an associate editor of ACM Transactions on Graphics since 2009, of Elsevier Graphical Models since 2010, and of Computer Aided Geometric Design since 2013.

9.1.3.2. reviewer

Florent Lafarge was a reviewer for CVPR, ECCV, SIGGRAPH, SIGGRAPH Asia, EUROGRAPHICS, IJCV, JPRS, CVIU, T-VCG and Computers&Graphics.

9.2. Seminars and invited talks

Florent Lafarge was a keynote speaker at the ISPRS Commission V Symposium, Riva del Garda on June 23 (talk: "Dense image matching and surface reconstruction: when photogrammetry meets computational geometry").

9.3. Teaching - Supervision - Juries

9.3.1. Teaching

Master: Pierre Alliez and Florent Lafarge, Algorithmes géométriques - théorie et pratique, 9h, M2, university Nice Sophia Antipolis, France.

Master: Pierre Alliez and Florent Lafarge, 3D Meshes and Applications, 32h, M2, Ecole des Ponts ParisTech, France.

Master: Pierre Alliez, Mathématiques pour la géométrie, 24h, M2, EFREI, France.

Master: Florent Lafarge, Traitement d’images numériques, 9h, M2, university Nice Sophia Antipolis, France.

Master: Florent Lafarge, Imagerie numérique, 10h, M2, university Nice Sophia Antipolis, France.

9.3.2. Supervision

HdR: Florent Lafarge, Some contributions to geometric modeling of urban environments, University of Nice Sophia Antipolis, September 29.

PhD: Xavier Rolland-Neviere, Watermarking of 3D Models, defended November 12, Pierre Alliez.

PhD in progress: Simon Giraudot, Robust surface reconstruction, since October 2011, Pierre Alliez.

PhD in progress: Sven Oesau, Reconstruction of indoor scenes, since October 2012, Florent Lafarge and Pierre Alliez.

PhD in progress: Manish Mandad, Shape approximation with guarantees, since October 2012, Pierre Alliez.

PhD in progress : Dorothy Duan, Semantized Elevation Maps, since October 2013, Florent Lafarge.

PhD in progress : Jean-Dominique Favreau, Sketch-based modeling in multi-view context, since October 2014, Florent Lafarge.

9.3.3. Juries

Florent Lafarge:

- Thesis reviewer: Trung Thanh Pham (University of Adelaide, Australia).

Pierre Alliez:

- Thesis reviewer: Thierry Guillemot (Telecom ParisTech).
- Thesis reviewer: Ricard Campos (University of Girona, Spain).
- Thesis reviewer: Henrik Zimmer (University of Aachen, Germany).
- Thesis committee: Jean-Luc Peyrot (CNRS-Université de Nice Sophia Antipolis).
- Thesis reviewer: Louis Cuel (Université de Savoie).
- Thesis reviewer: Alexandre Boulch (Ecole des Ponts ParisTech).
- HdR committee: Florent Lafarge (Université de Nice Sophia Antipolis).

ALPAGE Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events selection

9.1.1.1. Member of the conference program committee

- Benoît Sagot has served as member of the program committee for the following events: TALN 2014, SPMRL-SANCL 2014 (Workshop at COLING 2014)
- Marie Candito has served as member of the program committee for the following events: SPMRL-SANCL 2014 (Workshop at COLING 2014)
- Pierre Magistry has served as a member of the program committee for the following event: “Questionnements sur la didactique des sinogrammes”, workshop organised by the CERLOM, Inalco
- Éric Villemonte de La Clergerie has served as PC member for the following events: COLING 2014 (area Resources), AAI SA-14 (AAAI-14 Student Abstract and Poster Program), TALN’14 SemDis Workshop, STAIRS-2014 (the 7th Starting AI Researcher Symposium)

9.1.1.2. Reviewer

- Benoit Crabbé has served as a reviewer for the following events : TALN 2014, RECITAL, COLING, Formal Grammar.
- Benoît Sagot has served as reviewer for the following events: ACL 2014, LREC 2014, WoLE 2014 (LREC workshop), PolTAL 2014, Coldoc 2014, RECITAL 2014, NLP4CMC, SHESL-HTL 2015
- Chloé Braud has served as a reviewer for the following event: ConSOLE XXIII
- Corentin Ribeyre has served as a reviewer for the following event: ConSOLE XXIII
- Kata Gábor served as a reviewer for the following event(s)/journal(s): LREC 2014, Cicing 2014, ConSOLE XXIII
- Laurence Danlos has served as a reviewer for the following conferences: LREC 2014, TALN 2014, CMLF 2014
- Marianne Djemaa has served as a reviewer for the following event: ConSOLE XXIII
- Marie Candito has served as reviewer for the following events: ACL 2014, EMNLP 2014, COLING 2014, SEMDIS 2014 (workshop at TALN 2014)
- Éric Villemonte de La Clergerie has served as a reviewer for the following events: LREC 2014, LATIN 2014

9.1.2. Journal

9.1.2.1. Member of the editorial board

- Laurence Danlos served as a member of the editorial board of *Traitement Automatique des Langues (TAL)*
- Éric Villemonte de La Clergerie has served as Chief Editor of *Traitement Automatique des Langues (TAL)*

9.1.2.2. Reviewer

- Benoit Crabbé has served as a reviewer for the following journals: Journal of Language Modelling, Language Resources Evaluation, Linguisticae Investigationes
- Benoît Sagot has served as a reviewer for the following journal: Natural Language Engineering

- Lucie Barque has served as a reviewer for the following journal: *Neologica*
- Éric Villemonte de La Clergerie has served as reviewer for the following journal: *Journal of Language Modelling*

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence: Benoit Crabbé, Introduction à la programmation, 24 heures en équivalent TD, niveau L3, Université Paris Diderot, France.

Licence: Benoit Crabbé, Introduction à la linguistique informatique, 24 heures en équivalent TD, niveau L3, Université Paris Diderot, France.

Licence: Benoit Crabbé, Introduction aux probabilités pour la linguistique, 24 heures en équivalent TD, niveau L3, Université Paris Diderot, France.

Licence: Chloé Braud, Programmation 2, 28 heures en équivalent TD, niveau L3, Université Paris 7, France

Licence: Corentin Ribeyre, TD d'Algorithmique, 24 heures en équivalent TD, niveau L3, Université Paris 7 Diderot, France

Licence: Laurence Danlos, Introduction au TAL, 32 heures en équivalent TD, niveau L3, Université Paris-Diderot, France

Licence: Lucie Barque, Sémantique lexicale, 45 heures en équivalent TD, niveau L2, Université Paris 13, France

Licence: Lucie Barque, Morphologie lexicale, 22,5 heures en équivalent TD, Université Paris 13, France

Licence: Lucie Barque, Fondamentaux de la grammaire, 67,5 heures en équivalent TD, niveau L1, Université Paris 13, France

Licence: Lucie Barque, Introduction aux sciences du langage, 22,5 heures en équivalent TD, niveau L2, Université Paris 13, France

Licence: Marianne Djemaa, Programmation 1 (TD), 24 heures en équivalent TD, niveau L3, Université Paris Diderot, France

Licence: Marie Candito, Linguistique de corpus, 28 heures en équivalent TD, niveau L3, Université Paris Diderot, France

Master: Benoit Crabbé, Méthodes probabilistes pour le TAL, 48 heures en équivalent TD, niveau M1, Université Paris Diderot, France.

Master: Benoit Crabbé, Linguistique empirique et expérimentale, 24 heures en équivalent TD, niveau M2, Université Paris Diderot, France.

Master: Benoît Sagot, Analyse syntaxique du langage naturel, 28 heures en équivalent TD, niveau M1, Université Paris 7, France

Master: Chloé Braud, Sémantique Computationnelle, 24 heures en équivalent TD, niveau M1, Université Paris 7, France

Master: Corentin Ribeyre, TD de Langages Formels, 24 heures en équivalent TD, niveau M1, Université Paris 7 Diderot, France

Master: Éric Villemonte de La Clergerie, "Structures Informatiques et Logiques pour la Modélisation Linguistique", 18 heures en équivalent TD, niveau M2, MPRI, France

Master: Laurence Danlos, Discours: Analyse et génération de textes, 32 heures en équivalent TD, niveau M2, Université Paris-Diderot, France

Master: Lucie Barque, Ressources lexicales pour le TAL, 27 heures en équivalent TD, niveau M2, Université Paris 13, France

Master: Marie Candito, Analyse sémantique automatique du langage naturel, 28 heures en équivalent TD, niveau M2, Université Paris Diderot, France

Master: Marie Candito, Traduction automatique, 51 heures en équivalent TD, niveau M1, Université Paris Diderot, France

Master: Maximin Coavoux, Approches probabilistes du TAL (TD), 24 heures en équivalent TD, niveau M1, Université Paris Diderot, France

9.2.2. Supervision

PhD in progress: Marion Baranes, “Normalisation de textes bruités”, started in January 2012, supervised by Laurence Danlos (supervisor) and Benoît Sagot (co-supervisor)

PhD in progress: Valérie Hanoka, “Extraction et Structuration de Terminologie Multilingue”, started in January 2011, supervised by Laurence Danlos (supervisor) and Benoît Sagot (co-supervisor)

PhD in progress: Emmanuel Lassale, “Structured learning for coreference resolution: a joint approach”, Université Paris-Diderot, started in October 2010, supervised by Laurence Danlos (supervisor) and Pascal Denis (co-supervisor)

PhD in progress: Chloé Braud, “Analyse discursive : les relations implicites”, Université Paris-Diderot, started in October 2011, supervised by Laurence Danlos (supervisor) and Pascal Denis (co-supervisor)

PhD in progress: Quentin Pradet, “Annotations en rôles sémantiques du français en domaine spécifique”, Université Paris-Diderot, started in October 2011, supervised by Laurence Danlos (supervisor) and Gael de Calendar (co-supervisor)

PhD in progress: Raphael Salmon, “Implémentation d’un système de génération à base de contraintes”, Université Paris-Diderot, started in October 2013, supervised by Laurence Danlos (supervisor) and Alain Kaeser (co-supervisor)

PhD in progress: Jacques Steinlin, “Les relations implicites et les AltLex dans le FDTB”, Université Paris-Diderot, started in Novembre 2014, supervised by Laurence Danlos

PhD in progress: Marianne Djemaa, "Création semi-automatique d'un FrameNet du français", started in October 2012, supervised by Marie Candito

PhD in progress: Corentin Ribeyre, “Vers la syntaxe profonde pour l’interface syntaxe-sémantique”, started in November 2012, supervised by Laurence Danlos (supervisor), Djamé Seddah (co-supervisor) and Éric Villemonte de La Clergerie (co-supervisor). from data driven approaches to graph based approaches.

PhD in progress: Isabelle Dautriche, “Exploring early syntactic acquisition: a experimental and computational approach”, started in September 2012, supervised by Anne Christophe (LSCP, supervisor) and Benoit Crabbé (co-supervisor)

PhD in progress: Maximin Coavoux, “Représentations continues pour l’analyse syntaxique et sémantique automatique”, started in September 2015, supervised by Benoit Crabbé.

9.2.3. Juries

- Marie Candito served as a member in the PhD defense committee of Ophélie Lacroix. Title: De l’étiquetage syntaxique pour les grammaires catégorielles de dépendances à l’analyse par transition dans le domaine de l’analyse en dépendances non-projective. University: Université de Nantes Angers Le Mans. PhD supervisors: Colin de la Higuera and Denis Béchet. Defense date: December 8th, 2014.
- Marie Candito served as a member in the PhD defense committee of Sandrine Ollinger. Title: Le raisonnement analogique en lexicographie, son informatisation et son application au Réseau Lexical du Français. University: Université de Lorraine. PhD supervisor: Alain Polguère. Defense date: December 15th, 2014.

- Laurence Danlos served as a member in the PhD defense committee of Sai Qian. Title: Accessibility of Referents in Discourse Semantics University : Université de Lorraine PhD supervisors : Philippe de Groote and Maxime Amblard. Defense date : July 11th, 2014.
- Éric Villemonte de La Clergerie as served as a member in the PhD defense of Simon Petijean. Title: "Génération modulaire de Grammaires Formelles". PhD supervisors: Denys Duchier and Yannick Parmentier. University: Université d'Orléans. Defense date: December 11th 2014
- Benoît Sagot served as a member in the PhD defense committee of Édouard Grave. Title: A Markovian approach to distributional semantics. University: Université Paris VI - Pierre et Marie Curie. PhD supervisors: Francis Bach and Guillaume Obozinski. Defense date: January 20th, 2014.

9.2.4. Other activities

- Benoît Sagot is elected board member of the French NLP society (ATALA) and was its Secretary until June 2013.
- Benoît Sagot is a member of the scientific board of the consortium Corpus Écrits, which belongs to the TGIR Huma-Num
- Benoît Sagot represents Alpage at the board of the Institut de Linguistique Française, a CNRS federation (Alpage is a member of the Institut de Linguistique Française since June 2013)
- Benoît Sagot is a member of the Permanent Committee of the TALN conference organized by ATALA.
- Laurence Danlos is the deputy chair of the Doctoral School for Linguistic Sciences (École Doctorale de Sciences du Langage).
- Laurence Danlos is the chair of the Scientific Committee of the UFR of Linguistics of University Paris Diderot.
- Marie-Hélène Candito is the deputy chair of the UFR of Linguistics of University Paris Diderot.
- Djamé Seddah is the head teacher (*directeur pédagogique*) of the transversal Computer Science class (C2I) at the University Paris-Sorbonne.
- Benoit Crabbé and Laurence Danlos are members of the Administrative board of the UFR of Linguistics of University Paris Diderot.
- Benoit Crabbé co-organized the research seminar : lectures in experimental linguistics (Univ P7)
- Benoit Crabbé is responsible for the L3 computational linguistics (Univ Paris Diderot)
- Laurence Danlos is responsible for the M2 computational linguistics (Univ Paris Diderot)
- Éric Villemonte de La Clergerie has served as SIGParse secretary
- Benoît Sagot is a member of the Governing Board and of the Scientific Board of the **LabEx EFL**, as head of the research strand on language resources; he is also in charge of several reserach operations; Benoit Crabbé is deputy-head of the research strand on experimental grammar; Marie-Hélène Candito and Laurence Danlos are in charge of one research operation each. Laurence Danlos is a member of the Scientific Board, representing Alpage.
- Marie-Hélène Candito organized the Alpage research seminar.

9.3. Popularization

- Éric Villemonte de La Clergerie has presented some simple NLP tasks at the ISN day (for Math teachers, computer science option, April 8th, http://euler.ac-versailles.fr/webMathematica/reflexionpro/2013_2014/Seminaire/eric_de_la_clergerie.pdf)
- Éric Villemonte de La Clergerie has presented a survey on the use on NLP tools for MOOCs at the Moolab day on "Moocs : de la correction automatique à la personnalisation des cursus" (Paris, January 14th)

MULTISPEECH Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

General chair, 4th Joint Workshop on Hands-Free Speech Communication and Microphone Arrays (HSCMA), Nancy, May 2014 (E. Vincent)

General co-chair, 3rd CHiME Speech Separation and Recognition Challenge, Scottsdale, USA, December 2015 (E. Vincent)

Elected president, ISCA Special Interest Group on Robust Speech Processing (E. Vincent)

Chair, Challenges Subcommittee, IEEE Technical Committee on Audio and Acoustic Signal Processing (E. Vincent)

9.1.1.2. Organizing committee membership

Member, Steering Committee of the Latent Variable Analysis and Signal Separation (LVA/ICA) conference series (E. Vincent)

9.1.2. Scientific events selection

9.1.2.1. Responsible of conference program committee

Program chair, 12th International Conference on Latent Variable Analysis and Signal Separation (LVA/ICA), Liberec, Czech Republic, August 2015 (E. Vincent)

9.1.2.2. Conference program committee membership

Area chair for Audio and Speech Source Separation, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) (E. Vincent)

RFIA'2014 - 19ème congrès national sur la Reconnaissance de Formes et l'Intelligence Artificielle (D. Juvet)

9.1.2.3. Reviewer

JEP'2014 - 30ème édition des Journées d'Etudes sur la Parole (D. Juvet, Y. Laprie)

RFIA'2014 - 19ème congrès national sur la Reconnaissance de Formes et l'Intelligence Artificielle (D. Juvet)

ISMIR'2014 - International Symposium of Music Information Retrieval (A. Liutkus)

INTERSPEECH'2014 - 15th Annual Conference of the International Speech Communication Association (A. Bonneau, D. Juvet, Y. Laprie, S. Ouni)

ICASSP'2015 - 40th International Conference on Speech, Acoustic and Signal Processing (A. Bonneau, D. Juvet, S. Ouni)

9.1.3. Journal

9.1.3.1. Editorial board membership

IEEE Transactions on Audio, Speech, and Language Processing (E. Vincent)

Traitement du Signal (E. Vincent)

Speech Communications (D. Juvet)

EURASIP Journal on Audio, Speech, and Music Processing (Y. Laprie)

9.1.3.2. Reviewing activities

Computer Speech and Language (D. Jouvét)
 Traitement Automatique des Langues (D. Jouvét)
 Traitement du Signal (D. Jouvét)
 IEEE Transactions on Audio, Speech, and Language Processing (A. Liutkus)
 Digital Signal Processing (A. Liutkus)
 IEEE Letters on Signal Processing (A. Liutkus, Y. Laprie)
 Signal Processing (A. Liutkus)
 Speech Communication (S. Ouni)
 Journal of the American Acoustical Society (Y. Laprie)

9.1.4. Miscellaneous

9.1.4.1. Tutorial

Tutorial on Informed Audio Source Separation at ICASSP 2014 in Florence, Italy (A. Ozerov and A. Liutkus and G. Richard). <http://www.icassp2014.org/tutorials.html#3>

9.1.4.2. Invited lecture

Les sons à domicile [62], Séminaire SAILOR "Imaginer des nouveaux lieux de vie" (E. Vincent)
 Evaluation campaigns and reproducibility [68], Journée GdR ISIS "reproductibilité en traitement du signal et des images" (E. Vincent)
 Acquisition and processing of X-ray and MRI data, in Spring school "Individualized-centered approaches to speech processing" in Dagstuhl, 7-9 April (Y. Laprie)
 Construction of articulatory models and exploitation of articulatory data, in Spring school "Individualized-centered approaches to speech processing" in Dagstuhl, 7-9 April (Y. Laprie)
 Language pathology, Séminaire "Dépistage des troubles des apprentissages" in EHESP, Rennes, 6-10 January (A. Piquard-Kipffer)
 Phonological processes in beginning reading, Séminaire "Le bilan orthophonique" in ESE-NESR, Poitiers, 25 March (A. Piquard-Kipffer)
 Relation of phonemic discrimination to learning to read, Séminaire "Les liens entre langage oral et langage écrit, la place de la discrimination phonémique" in Blaise Pascal University, Clermont-Ferrand, 6 May (A. Piquard-Kipffer)

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Master: Cadot Martine, Biostatistics, 60 hours, M1, University of Lorraine, France
 Licence: Di Martino Joseph, Programming in C 1, 67 hours, L1, University of Lorraine, France
 Licence: Di Martino Joseph, Programming in C 2, 85 hours, L2, University of Lorraine, France
 Licence: Di Martino Joseph, Programming in C/C++, 45 hours, L3, University of Lorraine, France
 Licence: Vincent Colotte, C2i - Certificat Informatique et Internet, 50h, L1, University of Lorraine, France
 Licence: Vincent Colotte, System, 115h, L3, University of Lorraine, France
 Master: Vincent Colotte, Introduction to Speech Analysis and Recognition, 18h, M1, University of Lorraine, France
 Licence: Odile Mella, C2i - Certificat Informatique et Internet, 28h, L1, University of Lorraine, France

Licence: Odile Mella, Introduction to Web Programming, 30h, L1, University of Lorraine, France

Licence: Odile Mella, Computer Networking, 86h, L2-L3, University of Lorraine, France

Master: Odile Mella, Computer Networking, 45h, M1, University of Lorraine, France

Master : Odile Mella, Computer Networking, 14h, M2, University of Lorraine, France

Master : Odile Mella, Supervising students in company internship, M2, University of Lorraine, France

Adults : Odile Mella, Computer science courses for secondary school teachers (Informatique et Sciences du Numérique courses) (10HTED), ESPE of Academy Nancy-Metz, University of Lorraine, France

Ecole Audioprothèse: Anne Bonneau, Phonétique, 16 hours, Université de Lorraine

Licence: Piquard-Kipffer Agnès, Psycholinguistics, 30 hours, L1, University of Lorraine, France

Licence: Piquard-Kipffer Agnès, Reading, 24 hours, L2, Département Orthophonie, University of Lorraine, France

Master: Piquard-Kipffer Agnès, Dyslexia, 25 hours, Département Orthophonie, University of Lorraine, France

Master: Piquard-Kipffer Agnès, Deaf people & reading, 9 hours, Département Orthophonie, University of Lorraine, France

Master: Piquard-Kipffer Agnès, Psycholinguistics, 12 hours, Département Orthophonie, University Pierre et Marie Curie-Paris, France

Master: Piquard-Kipffer Agnès, Psychology, 70 hours, ESPE, University of Lorraine, France

Master: Piquard-Kipffer Agnès, French Language Didactics, 80 hours, ESPE, University of Lorraine, France

Master: Piquard-Kipffer Agnès, Psychology, 6 hours, University Blaise Pascal, France

Doctorat: Piquard-Kipffer Agnès, Language Pathology, 15 hours, EHESP, University of Sorbonne-Paris Cité, France

School of engineers: Vincent Colotte, XML, 20h, Telecom Nancy, France

Other: Vincent Colotte, Responsible for "Certificat Informatique et Internet" for the University of Lorraine (50000 students, 30 departments).

DUT: Slim Ouni, Programming in Java, 24 hours, L1, University of Lorraine, France

DUT: Slim Ouni, Web Programming, 24 hours, L1, University of Lorraine, France

DUT: Slim Ouni, Graphical User Interface, 48 hours, L1, University of Lorraine, France

DUT: Slim Ouni, Advanced Algorithms, 24 hours, L2, University of Lorraine, France

Licence: Slim Ouni, Innovation in Computer Science, 38 hours, L3, University of Lorraine, France

Master: Slim Ouni, Game Design, 30 hours, M1, University of Lorraine, France

Master: Slim Ouni, Innovative Information Technology, 30 hours, M1 University of Lorraine, France

Master: Slim Ouni, Multimedia in Distributed Information Systems, 31 hours, M2, University of Lorraine, France

DUT: Irina Illina, Programming in Java, 150 hours, L1, University of Lorraine, France

DUT: Irina Illina, Linux System, 65 hours, L1, University of Lorraine, France

DUT: Irina Illina, Supervision of student projects and stages, 50 hours, L2, University of Lorraine, France

9.2.2. Supervision

PhD : Arseniy Gorin, "Acoustic model structuring for improving automatic speech recognition performance", University of Lorraine, 26 November 2014, Denis Juvet.

PhD in progress: Othman Lachhab, "Pathological voice recognition using voice conversion techniques", November 2010, El Hassane Ibn Elhaj and Joseph Di Martino.

PhD in progress : Dung Tran, "Uncertainty handling for noise robust automatic speech recognition", December 2012, Emmanuel Vincent and Denis Juvet.

PhD in progress : Luiza Orosanu, "Speech recognition for helping communication for deaf or hard of hearing people", December 2012, Denis Juvet.

PhD in progress: Nathan Souviraà-Labastie, "Localisation et séparation de sources sonores pour la reconnaissance de la parole en environnement réel", University Rennes 1, January 2013, Frédéric Bimbot and Emmanuel Vincent.

PhD in progress: Xabier Jaureguiberry, "Fusion et optimisation de modèles pour la séparation de sources audio", Télécom ParisTech, February 2013, Gaël Richard and Emmanuel Vincent.

PhD in progress: Imran Sheikh, "Exploitation du contexte pour la reconnaissance de noms propres dans les documents diachroniques", January 2014, Irina Illina.

PhD in progress: Baldwin Dumortier, "Contrôle acoustique d'un parc éolien", September 2014, Emmanuel Vincent and Madalina Deaconu.

PhD in progress: Quan Nguyen, "Mapping of a sound environment by a mobile robot", November 2014, Francis Colas and Emmanuel Vincent.

9.2.3. Juries

Participation in PhD thesis Jury for Stefan Ziegler (University of Rennes 1, January 2014), D. Juvet, reviewer.

Participation in PhD thesis Jury for Nicolas López (Télécom ParisTech, July 2014), E. Vincent, reviewer.

Participation in PhD thesis Jury for Thiago Fraga da Silva (University of Paris-South, September 2014), D. Juvet, reviewer.

Participation in PhD thesis Jury for Antti Hurmalainen (Tampere University of Technology, Finland, October 2014), E. Vincent, reviewer.

Participation in PhD thesis Jury for Raphaël Laurent (University of Grenoble, October 2014), Y. Laprie, reviewer.

Participation in PhD thesis Jury for Lucie Steiblé (University of Strasbourg, December 2014), Y. Laprie, reviewer.

Participation in PhD thesis Jury for Fayssal Bouarourou (University of Strasbourg, December 2014), Y. Laprie.

9.2.4. Participation to external committees

Titular member of the National Council of Universities (CNU section 61), E. Vincent

Member of a Selection Committee of University of Lorraine (UFR Math Info), LORIA, Y. Laprie

Elected member of the Conseil du Pôle Scientifique AM2I of University of Lorraine, Y. Laprie

Member of the Scientific Committee of an Institute for deaf people (La Malgrange), A. Piquard-Kipffer

Member of the Conseil du Pôle Scientifique AM2I of University of Lorraine, A. Piquard-Kipffer

Member of an expertise Committee for specific language disabilities (MDPH 54), A. Piquard-Kipffer

9.2.5. Participation to local committees

Titular member of the Comité de Centre Inria, E. Vincent

Member of the Comipers Enseignant, E. Vincent

Member of the "Commission de développement technologique", A. Bonneau

Appointed member of the Conseil de Laboratoire (LORIA), Y. Laprie

member of the "Commission locale développement durable", D.Fohr

Leader of the "Commission des utilisateurs des moyens informatiques (CUMI)", D. Fohr

Member of DFD staff, I. Illina

9.3. Popularization

Panelist at a public meeting of the SAILOR consortium on the topic of "Imagining new places to live", University of Lorraine, April 2014 (E. Vincent).

Demonstration at Journée Sciences et Musique, IRISA Rennes, October 2014 (N. Souviraà-Labastie, E. Vincent).

Vulgarization of music signal processing at Inria to students of the Lycée Loritz, June 2014 (Y. Laprie, A. Liutkus)

PANAMA Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

Rémi Gribonval is a member of the IEEE Technical Committee on Signal Processing Theory and Methods (2012–2014), and a member of the Awards sub-committee.

Rémi Gribonval is a member of the program committee of the GRETSI.

Rémi Gribonval is a member of the Steering Committee of the SPARS international workshop (chairman until 2013).

Rémi Gribonval is in charge of the Action "Parcimonie" within the French GDR ISIS on Signal & Image Processing.

Rémi Gribonval organized a mini-symposium on "Dictionary learning and applications" at the international conference Curves & Surfaces in Paris.

Rémi Gribonval organized a session "Mathematical for Image Processing" at the SMAI-MODE conference in Rennes.

Rémi Gribonval was co-organizer of a one-day seminar in Lyon on sparse representations and compressive sensing for medical imaging sponsored by the GDR ISIS (french research groups in signal and image processing) and GDR STIC-SANTE.

Frédéric Bimbot is the Head of the "Digital Signals and Images, Robotics" in IRISA (UMR 6074).

Frédéric Bimbot is a member of the International Advisory Council of ISCA (International Speech Communication Association).

Frédéric Bimbot was a member of the Scientific Committee of Journées d'Analyse Musicale 2014 of the SFAM (Société Française d'Acoustique Musicale).

Rémi Gribonval and Frédéric Bimbot are the scientific coordinators of the Science and Music Day (Journée Science et Musique) organized by IRISA.

Nancy Bertin is a member of the IEEE Technical Committee on Audio and Acoustic Signal Processing (2013–2015).

9.2. Teaching

9.2.1. Teaching

Licence : N. Bertin, "Discovery of selected topics in audio signal processing research", 9 hours, L3, École Supérieure de Réalisation Audiovisuelle (ESRA), France.

Master : N. Bertin, "Audio rendering, coding and source separation", 9 hours, M2, Université Rennes 1, France.

Master : N. Bertin, "Audio indexing and classification", 9 hours, M2, Université Rennes 1, France.

Master : N. Bertin, "Fundamentals of Signal Processing", 24 hours, M1, Ecole Normale Supérieure de Bretagne, Rennes, France.

Master : R. Gribonval, "Sparse representations for inverse problems in signal and image processing", 10 hours, M2, Université Rennes 1, France.

Master : R. Gribonval, "Signal and image representations", 8 hours, M2, Université Rennes 1, France.

Master: R. Gribonval, coordination of the ARD module "Acquisition et Représentation de Données", M2, Université Rennes 1, France.

Laurent Albera gives lectures in Mathematics and in Signal Processing, and he supervises end of school year projects, mainly at the university of Rennes 1:

Licence: L. Albera, "Mathematics for electronics", 6 hours, L2, Université Rennes 1, France.

Licence: L. Albera, "Mathematics for electronics", 21 hours, L3, Université Rennes 1, France.

Licence: L. Albera, "Mathematics", 53 hours, L3, Ecole Supérieure d'Ingénieurs de Rennes, France

Master: L. Albera, "Cardiac source localization from ECG signals", project supervision (with Ansys), M2, Ecole Supérieure d'Ingénieurs de Rennes, France.

Master : L. Albera, "Blind equalization", 4.5 hours, M2, Université Rennes 1, France.

Master : L. Albera, "Inverse problems", 3 hours, M2, Université Rennes 1, France.

Laurent Albera is responsible of the "Signal Processing" branch of the SISEA (Signal, Images, Embedded Systems and Control) Master 2 of University of Rennes 1.

9.3. Popularization

9.3.1. *Journée science et musique*

Participants: Anaik Olivero, Jules Espiau de Lamaestre, Pierre Machart, Gilles Puy, Nancy Bertin, Frédéric Bimbot, Rémi Gribonval, Corentin Guichaoua, Srdan Kitic, Stéphanie Lemaile, Nicolas Keriven, Ewen Camberlein, Romain Lebarbenchon, Luc Le Magoarou, Nathan Souviraà -Labastie.

PANAMA coordinated the organization of a public event called "Journée Science et Musique" (Day of Music and Science). This yearly event organized by the METISS/ PANAMA Team since 2011 aims at sharing with the wide audience the latest innovations and research projects in music. The motivation for hosting this event is to explain and promote the technology behind audio-processing that people face in their daily lives. The event is free to everyone and people have the possibility to attend talks by selected speakers or meet numerous experts that demonstrate current projects in which people can interactively participate. Edition 2014 hosted 260 visitors.

9.3.2. *Radio and press*

Nancy Bertin and Rémi Gribonval co-authored a popularization article about compressed acoustic holography (with L. Daudet and F. Ollivier). It was accepted by the journal "Pour la Science" for publication in 2015.

Nancy Bertin, Jules Espiau and Rémi Gribonval (with L. Daudet, A. Bordenave and Inria audiovisual department) participated in the realization of a pedagogical video presenting the ANR ECHANGE project results on acoustic holography <http://videotheque.inria.fr/videotheque/embed/25816>.

Jules Espiau and Pierre Machart were interviewed in a one-hour scientific radio show on Radio Prune (radio of the Nantes region) at the occasion of the "Journée Science et Musique".

SEMAGRAMME Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

Philippe de Groote, Maxime Amblard have organised a workshop on the occasion of the award of a Doctor Honoris Causa degree from the Université de Lorraine (hk-workshop.loria.fr).

Hans Kamp (Johan Anthony Willem Kamp) is a Dutch philosopher, linguist and logician. His work in formal semantics, most notably his Discourse Representation Theory, is widely used both in linguistics and in natural language processing. The workshop has focused on discourse semantics, especially on issues of its structure and dynamics, based on DRT.

It was held in the International Room of the MSH-Lorraine. The workshop was organised by Archives Poincaré, LORIA and ATILF, and it is supported by MSH-Lorraine, Université de Lorraine, CNRS and Inria.

Maxime Amblard organises the workshop (In)Cohérence du discours 2, with the SLAM project (Schizophrenia and Language: Analysis and Modelling).

The objective of the workshop was to discuss the latest advances in the modelling of discourses, in particular the kind held with pathological (e.g. schizophrenics). The adopted modelling paradigm is that of formal semantics, which falls within the scope of both linguistics and logic while also making ties to the philosophy of language.

8.1.1.1. Organizing committee membership

- Philippe de Groote and Maxime Amblard were members of the organisation committee of the workshop in honor of Hans Kamp
- Maxime Amblard and Jiří Maršík were members of the organisation committee of the workshop (In)Coherence du discours 2

8.1.2. Member of the steering committee

- Philippe de Groote and Sylvain Pogodalla are members of the steering committee of the international conference series *Logical Aspects of Computational Linguistics (LACL)*.

8.1.2.1. Conference program committee membership

- Maxime Amblard:
 - member of the scientific committee of the conference *Traitement Automatique des Langues Naturelles (TALN) 2014*
 - member of the scientific committee of the workshop in honor of Hans Kamp
 - member of the scientific committee of the workshop (In)Coherence du discours 2
- Philippe de Groote:
 - member of the program committee of the international conference *Formal Grammar (FG'14)*
 - member of the program committee of the international conference *Logical Aspects of Computational Linguistics (LACL'14)*
 - member of the program committee of the EACL 2014 workshop on *Type Theory and Natural Language Semantics (TTNLS)*
 - member of the scientific committee of the workshop in honor of Hans Kamp
- Guy Perrier:

- member of the program committee of the international conference PoTAL 2014, which was held in Warsaw, Poland.
- member of the scientific committee of the conference *Traitement Automatique des Langues Naturelles (TALN) 2014*.
- Sylvain Pogodalla:
 - member of the scientific committee of the international conference *Traitement Automatique des Langues Naturelles (TALN) 2014*.
 - member of the scientific committee of international conference *Logical Aspects of Computational Linguistics (LACL) 2014*.

8.1.2.2. Reviewer

- Sylvain Pogodalla:
 - reviewer for the *International Conference on Computational Linguistics (Coling 2014)*.
 - reviewer for the international workshop on *Logic and Engineering of Natural Language Semantics 11 (LENLS11)*.

8.1.3. Journal

8.1.3.1. Editorial board membership

- Philippe de Groote:
 - area editor of the *FoLLI-LNCS series*.
 - associate editor of *Higher-Order and Symbolic Computation*.
 - member of the editorial board of *Cahiers du Centre de Logique*.
- Sylvain Pogodalla: member of the editorial board of the journal *Traitement Automatique des Langues*.

8.1.3.2. Reviewing activities

- Philippe de Groote: reviewer for the *Journal of Logic and Computation*, and for the conferences *LICS, LACL, and FG*.
- Sylvain Pogodalla: reviewer for the *Journal of Language Modelling*.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Master: Sylvain Pogodalla, *Computational Linguistic Formalisms: Semantics and Discourse*, 25h, M2, Université de Lorraine, France

Master: Jiří Maršík, *Fundamental Artificial Intelligence*, 10h, M2, Université de Lorraine, France

Master: Jiří Maršík, *Cognitif Aspect of Computational Linguistic*, 12h, M1, Université de Lorraine, France

Licence : Guy Perrier, *Initiation au TAL*, 20h, L2, Université de Lorraine, France

8.2.2. Supervision

PhD: Sai Qian, *Accessibility of Referents in Discourse Semantics*, Université de Lorraine, Nov. 7 2014, Philippe de Groote and Maxime Amblard

PhD in progress: Jiří Maršík, *Modeling Discourse in a Dynamics framework : formal integration and evaluation*, since september 2013, Philippe de Groote and Maxime Amblard

PhD in progress : Aleksandre Maskharashvili, *Generation and Discourse with Abstract Categorical Grammars*, since November 2012, Philippe de Groote and Sylvain Pogodalla.

8.2.3. Juries

- Philippe de Groote and Maxime Amblard were members of the PhD committee of Sai Qian, *Accessibility of Referents in Discourse Semantics*, Nov. 11 2014, Université de Lorraine.
- Philippe de Groote was president of the PhD committee of Hugo Férée, *Complexité d'ordre supérieur et analyse récursive*.
- Guy Perrier was president of the PhD committee of Shashi Narayan, *Generation and Simplification of Sentences*, Université de Lorraine, November 7 2014.
- Guy Perrier was member of the PhD committee of Arseniy Gorin, *Acoustic Model Structuring for Improving Automatic Speech Recognition Performance*, November 26 2014.
- Sylvain Pogodalla was member of the jury of the *Prix de thèse en Intelligence Artificielle* awarded by the Association Française pour l'Intelligence Artificielle (AFIA).

8.3. Popularization

- Maxime Amblard is member of the editorial board of *interstice* (i), a french revue popularisation for computer sciences (<http://interstices.info>). He is the head of the rubric *informatique -ou presque- dans les films*.
- Maxime Amblard gave an interview for the *journal du CNRS* about Real Humans (a television drama series), may 2014.
- Maxime Amblard has participate to a television report about the SLAM project for *France 3 Lorraine*, may 2014.
- Maxime Amblard wrote an article about the SLAM project for the *Journal du CNRS*, january 2014.
- In November, Bruno Guillaume has demonstrated the prototype ZombiLingo and Jiří Maršík the ACGTK graphical output during the "Forum Sciences Cognitive" in Nancy.
- Jiří Maršík has participated to the regional final of the competition *Ma thèse en 180 secondes*.
- Jiří Maršík gave a talk to high school students at the Summer Camp of Mathematics and Physics (Letní matematicko-fyzikální soustředění) about treating words as fractions and algebraic expression where syntacticality is verified by cancelling out, Faculty of Mathematics and Physics of the Charles University (Matematicko-fyzikální fakulta Univerzity Karlovy).

8.4. Other Scientific Animation

- Maxime Amblard is an elected member of the "conseil d'UFR" of the UFR mathematics and computer sciences, until Dec. 2014.
- Maxime Amblard is an elected member of the "conseil de laboratoire" - Loria.
- Maxime Amblard is an elected member of the "conseil scientifique" of the Université de Lorraine (member of the board of the council since Nov. 2014).
- Maxime Amblard is an invited member of the "Pôle scientifique AM2I" of the Université de Lorraine.
- Maxime Amblard was member of the CA of the scientific association ATALA until june 2014.
- Maxime Amblard was member of the "comité de sélection" McF 4169 (CNU section 17 and 72) - Université Paris Descartes
- Bruno Guillaume is an elected member of the "Pôle scientifique AM2I" of the Université de Lorraine.
- Bruno Guillaume is a member of the Comipers (Inria commity for PhD and Post-doctoral selection).
- Bruno Guillaume was one of the two redactors of the CPER 2015-2020 project "Langues, Connaissances et Humanités Numériques" (Languages, Knowledge and Digital Humanities) in which ten laboratories of the Université de Lorraine are implied.

E-MOTION Project-Team

8. Dissemination

8.1. Scientific Animation

- C. Laugier is Guest Editor (with A. Zelinsky, A. Broggi and U. Ozgüner) for the chapter “Intelligent Vehicles” of the 2nd edition of the Springer “Handbook of Robotics” to be published in March 2015.
- C. Laugier is Guest Editor (with Ph. Martinet and U. Nunes) for a Special Issue on “Perception and Navigation for Autonomous vehicles” of the IEEE Robotics and Automation Magazine. March 2014. Editorial: <https://hal.inria.fr/hal-00932719>.
- A. Spalanzani co-organised a workshop on Assistance and Service robotics in a human environment during IROS 14, Chicago, US, September 2014.
- C. Laugier co-organized (with Ph. Martinet, U. Nunes, and C. Stiller) the 6th Workshop on “Planning, Perception and Navigation for Intelligent Vehicles” at the IEEE/RSJ IROS 2014 conference, Chicago, US, September 2014.
- C. Laugier was an Associate Editor for the IEEE ICRA 2014 conference.
- C. Laugier is co-chair (with Ph. Martinet and C. Stiller) of the IEEE RAS Technical Committee on “Autonomous Ground Vehicles and Intelligent Transportation Systems”.
- C. Laugier is a member of the Advisory / Steering Committee of IEEE/RSJ IROS conference.
- C. Laugier is a member of the Editorial Board of the JSME Robomech Journal.

8.1.1. Keynote talks

- C. Laugier. Keynote talk “Bayesian Perception and Decision: from theory to real world applications”. IEEE/RSJ IROS 2014, Chicago, Sept. 2014.
- C. Laugier. Invited Talk “Nex cars generation”. Invited by Tokyo University and Japanese companies. Tokyo, October 2014.
- C. Laugier. Plenary Talk “Key Technologies for addressing the challenge of Autonomous Vehicles”. Int. Conf. on “Innovations for next generation automobile”. Sendai, Japan, October 2014.
- C. Laugier. Invited Talk “Technologies for next cars generation”. IEEE ICARCV 2014, plenary session on the future of robotics, Singapore, December 2014.
- M. Perrollaz and C. Laugier. Invited Talk (given by M. Perrollaz) “Relever les défis des véhicules autonomes”. EMM 2014, 12^{ème} rencontre Européenne de Mécatronique. Annecy, June 2014.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

- International Master 2 MOSIG-INP, Course on “Autonomous Robots” (24 h), C. Laugier (responsible), A. Martinelli, M. Perrollaz, A. Nègre. Grenoble University, France.
- **E-learning**
 - Mooc "Mobile Robots and Autonomous Vehicles" - 6 weeks, C. Laugier, D. Vasquez, A. Martinelli - under finalization, publication spring 2015.

8.2.2. Supervision

PhD defended in 2014: Chiara Troiani, vision and inertial sensor fusion for 3D navigation, 2011, A. Martinelli.

PhD defended in 2014: Arturo Escobedo, Shared Control navigation, 2011, A. Spalanzani.

PhD in progress: Tiana Rakotovao Andriamahefa, Embedded Bayesian Perception on a Multi-core Architecture, 2013, C. Laugier and D. Ruspini (CEA LETI).

PhD in progress: Boris Grechanichenko, Autonomous Driving, 2013, C. Laugier and D. Vasquez, (cooperation Toyota).

Starting PhD: Mathieu Barbier, Decision making for Intelligent Vehicles, 2014, E. Mazer and D. Vasquez (cooperation Renault)

PhD in progress: Vishnu K. Narayanan, semi-autonomous navigation of a electric wheelchair using visual servoing and user intention analysis, 2013, M. Babel (Lagadic Team) and A. Spalanzani.

8.2.3. Juries

C. Laugier was a reviewer and a member of the defense committee of the PhD thesis of Thibault Kruse, University of Munich, January 14th 2015 (Report July 2014).

C. Laugier was a member of the defense committee of the PhD thesis of Chiara Troiani and of Arturo Escobedo.

FLOWERS Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Invited Talks

- Manuel Lopes made a plenary talk at the conference Technologies de l'Information et de la Communication pour l'Enseignement (TICE), 18-20 Novembre, Beziers, France
- Manuel Lopes made an invited talk at the Robotics: Science and Systems : Workshop on Learning Plans with Context From Human Signals, USA.
- Manuel Lopes made an invited talk ICRA Workshop on Active Visual Learning and Hierarchical Visual Representations for General-Purpose Robot Vision, Hong-Kong
- Manuel Lopes made an invited talk ICRA Workshop on Autonomous Grasping and Manipulation: An Open Challenge, Hong-Kong
- Alexander Gepperth gave an invited lecture at the FP7-sponsored Summer School "Neuronal dynamics approaches to cognitive robotics", Bochum, Germany
- Matthieu Lapeyre gave a talk at Journées Scientifiques Inria 2014 (06/26/2014) about the Poppy project and especially on the open source aspects of the project.
- Matthieu Lapeyre participated to Open experience at WAVE 2014 conference (09/11/2014) about new models of distribution and presented the particularity of Poppy as an open science project.
- Matthieu Lapeyre made a talk at Digital Intelligence 2014 conference held in Nantes (France) about the use of Poppy for educational and artistic applications.
- Olivier Mangin made an invited talk at Language and Body symposium, International Association for the Study of Child Language Conference (IASCL), 14-18 July 2014, Amsterdam, Netherlands.
- Steve N'Guyen gave a talk at the ISIR lab (Institut des Systèmes Intelligents de et Robotique, Paris) about the Poppy project (06/10/2014).
- Clément Moulin-Frier gave two invited talks. The first one was at the Humanoids 2014 conference in Madrid, Spain, during the workshop entitled *Active Learning in Robotics: Exploration Strategies in Complex Environments*: <http://www.ausy.tu-darmstadt.de/Workshops/Humanoids2014ActiveLearning>. The second one was at the *PyconFr*, a French software developer conference: <http://www.pycon.fr/2014/schedule/presentation/37/>
- Pierre-Yves Oudeyer gave the following talks:
 - (Keynote) (march 2014) Developmental Robotics: : Lifelong Learning and the Morphogenesis of Developmental Structures, AAAI Spring Symposium on Implementing Selves with Safe Motivational Systems and Self-Improvement, Stanford Univ., US. https://www.youtube.com/watch?v=bkv83GKYpkI&list=PL8W4iBcZa2EIG_Q38ihjPdINjgkVXt0Uu
 - (Keynote) (june 2014) Curiosity-driven learning and development: How robots can help us understand humans, WACAI 2014, http://wacai14.litislab.fr/?page_id=140
 - (jan. 2014) Emergence du langage et robotique développementale, Séminaire de l'association X-SHS, <https://www.youtube.com/watch?v=LQ5evY4aCKI>
 - (feb. 2014) Developmental Robotics: Lifelong Learning and the Morphogenesis of Developmental Structures, Dagstuhl Seminar 14081 on "Robots learning from experiences", <http://www.dagstuhl.de/program/calendar/partlist/?semnr=14081&SUOG>

- (march 2014) La robotique comme outil pour comprendre les origines du langage, Rencontres Mollat, Bordeaux.
- (march 2014) Comment les robots nous aident à comprendre l'homme, Forum des Sciences Cognitives, Paris. <https://www.youtube.com/watch?v=enQYBR3zFpo>
- (avril 2014) Fabricating Open-Source Baby Robots, Tedx Cannes, <https://www.youtube.com/watch?v=AP8i435ztwE>
- (avril 2014) Poppy: Open Source Robotics Platform for Science, Art and Education, La Cantine, Rennes.
- (may 2014) Open Source Developmental Robotics, Bodywara workshop Inria/FING, Bordeaux.
- (june 2014) KidLearn: Machine learning for personalizing educational contents, Digital Intelligence conference, Nantes.
- (july 2014) The roles of active learning in sensorimotor and language development, International Conference of the International Society of Infant Studies (ISIS 2014), Symposium on Integrative models of language acquisition, slides: <https://www.dropbox.com/s/qcpad2lvbe3fs93/ISIS2014.pptx?dl=0>
- (sept. 2014) Curiosity-driven learning and development in robots, IX Advanced Multimodal Information Retrieval int'l summer school.
- (oct. 2014) Open source developmental robotics, Séminaire du Centre de Recherche Interdisciplinaire, Univ. Paris VII.
- (nov. 2014) The impact of curiosity-driven learning on self-organization of developmental process: robotic models, First International Symposium on Information Seeking, Curiosity and Attention, Bordeaux, France, vidéo: <https://www.youtube.com/watch?v=9ATEhHB99wQ&list=PL9T8000j7sJDZL1NrTL-zyFmeJlvXYXzm>
- (nov. 2014) Modeling cognitive development with robots, Seminar of the Center for Brain and Cognitive Development, Birbeck college.

9.1.2. Scientific events organisation

9.1.2.1. General chairs

9.1.2.1.1. First interdisciplinary symposium on Information-seeking, curiosity and attention

General chairs Pierre-Yves Oudeyer, Jacqueline Gottlieb, Manuel Lopes
6-7 Nov. 2014, Inria Bordeaux Sud-Ouest, France

Summary:

The past few years have seen a surge of interest in the mechanisms of active learning, curiosity and information seeking, and this body work has highlighted a number of highly significant questions regarding higher cognition and its development (for a recent review, see Tics13). One question is how subjects explore to build explanatory models of their environment, and how these models further constrain the sampling of additional information. A related question is how the brain generates the intrinsic motivation to seek information when physical rewards are absent or unknown, and how this impacts cognitive development in the long term. Our goal is to stimulate discussion on these and related topics and foster further research in this nascent and complex field. <https://openlab-flowers.inria.fr/t/first-interdisciplinary-symposium-on-information-seeking-curiosity-and-attention/21>

9.1.2.2. responsible of the conference program committee

Clément Moulin-Frier will be program chair at the ICDL/Epirob conference to be held in August 2015 in Brown University, Providence, Rhode Island, USA: <http://www.icdl-epirob.org/>

9.1.2.3. member of the conference program committee

David Filliat was Associate Editor for IROS. Freek Stulp was on the Program Committee of RSS, and an Associate Editor for IROS and ICRA. Alexander Gepperth was on the programme committee of ESANN and IJCNN.

9.1.2.4. reviewer

David Filliat was reviewer for ICARCV, ICRA, IROS, RFIA. Freek Stulp was a reviewer for ICRA and IROS. Manuel Lopes was reviewer for Iros, Icr, HRI, Aamas. Jonathan Grizou was reviewer for ICDL and HRI. Alexander Gepperth was reviewer for IROS, IJCNN, ESANN and ITSC.

9.1.3. Journal

9.1.3.1. member of the editorial board

Pierre-Yves Oudeyer was editor of the IEEE CIS Newsletter on AMD and associate editor of IEEE Transactions on Autonomous Mental Development, Frontiers in Humanoid Robotics, Frontiers in Neurorobotics, International Journal of Social Robotics, as well as member of the editorial board of Advances in Interaction Studies, John Benjamins Publishing Company.

Clément Moulin-Frier and Pierre-Yves Oudeyer are co-editors of a special issue in *Journal of Phonetics*, a major journal in speech science. This special issue, entitled *On the cognitive nature of speech sound systems* is focused on a target paper for which Clément Moulin-Frier is the first author. A dozen of international contributions are currently under review, the publication is expected during the spring of 2015. <https://hal.archives-ouvertes.fr/hal-01073668>

9.1.3.2. reviewer

David Filliat was reviewer for International Journal of Robotics Research, Robotics and Autonomous Systems, Neurocomputing Pierre Rouanet was reviewer for the journal IEEE Transactions on Human-Machine Systems. Freek Stulp was a reviewer for Autonomous Robots. Manuel Lopes was reviewer for IEEE Transactions on Robotics, IEEE Transactions on Autonomous Mental Development Jonathan Grizou was reviewer for IEEE Transactions on Autonomous Mental Development. Alexander Gepperth was reviewer IEEE Transactions on Intelligent Transportation Systems, Neurocomputing, Neural Networks, Neural Processing Letters and Cognitive Computation. PY Oudeyer reviewed projects for the European Commission and Inria, and was a reviewer for IEEE ICDL-Epirob, ICRA, IEEE TAMd.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

License: Introduction to Matlab, 21 heures. L3, ENSTA - ParisTech (David Filliat).

Master: Apprentissage, 5 heures. M2, Enseirb-Matmecca (Manuel Lopes).

Master: La robotique de compagnie: concepts et techniques, 9 heures. M2, ENSTA - ParisTech (Manuel Lopes).

Master: Robotique Mobile, 21 heures. M2, ENSTA - ParisTech (David Filliat).

Master: Perception pour la robotique, 12 heures. M2 Systemes Avances et Robotique, University Pierre et Marie Curie (David Filliat)

Licence 2: Graphe, Langage, Cryptologie, 21 heures. Pôle universitaire français de Ho Chi Minh Ville

Pedagogical resources : Développement ans diffusion of IniRobot pedagogical kit (see highlights), Didier Roy, Thomas Guitard et Pierre-Yves Oudeyer.

9.2.2. Supervision

PhD in progress: Louis-Charles Caron, RGB-D object recognition on a mobile robot, started january 2012 (superv. Alexander Gepperth).

PhD in progress: Thomas Hecht, Bio-inspired sensor fusion, started November 2013 (superv. Alexander Gepperth).

PhD in progress: Egor Sattarov, Multimodal vehicle perception architecture, started November 2013 (co-superv. Alexander Gepperth).

PhD in progress: Thomas Kopinski, Machine Learning for human-machine interaction, started November 2012 (superv. Alexander Gepperth).

PhD in progress: Guillaume Duceux, Navigation and exploration based on RGB-D cameras, started october 2011 (superv. David Filliat).

PhD in progress: Alexandre Armand, Contextual electronic copilot for driving assistance, started feb. 2011 (superv. David Filliat)

PhD in progress: Yuxin Chen, Interactive learning of objects and names on a humanoid robot, started oct. 2013 (superv. David Filliat).

PhD in progress: Celine Craye, Curiosity and visual attention for the guidance of an exploration robot, started apr. 2014 (superv. David Filliat).

PhD in progress: Thibaut Munzer, Learning from Instruction (superv. Manuel Lopes).

PhD in progress: Baptiste Busch, Interactive Learning (superv. Manuel Lopes).

PhD in progress: Alexandra Delmas, Auto-Apprentissage Auto-Adaptable pour la compliance au traitement (superv. Manuel Lopes).

PhD in progress: Fabien Benureau, Exploration strategies in developmental robotics (superv. PY Oudeyer)

PhD finished: Jonathan Grizou, Fluid simultaneous learning of task and feedback models, started oct. 2011 (superv. Manuel Lopes and Pierre-Yves Oudeyer).

PhD finished: Matthieu Lapeyre, Poppy: Open source 3D printed and fully-modular robotic platform for Science, Art and Education, started sept. 2010 (superv. Pierre-Yves Oudeyer).

9.2.3. PhD Juries

Ryad Akrou (Pierre-Yves Oudeyer, Examineur) : Robust Preference Learning-based Reinforcement Learning, Univ. Paris Sud.

Raphael Laurent (Pierre-Yves Oudeyer, Examineur) : COSMO : un modèle bayésien des interactions sensori-motrices dans la perception de la parole, Univ. Grenoble.

Kirill Makikhin (Pierre-Yves Oudeyer, Rapporteur) : Towards a Biologically Plausible Computational Model of Developmental Learning with Robotic Applications, Univ. Queensland, Australia.

Hung Ngo (Pierre-Yves Oudeyer, Rapporteur) : Artificial Curiosity: Algorithms for Autonomous Acquisition of Robotic Skills, Univ. Svizzera Italiana.

Olivier Mangin (19/03/14, David Filliat, Examineur) : The Emergence of Multimodal Concepts: From Perceptual Motion Primitives to Grounded Acoustic Words. Univ Bordeaux, Pierre-Yves Oudeyer (dir.).

Fabien Hervouet (30/06/2014, David Filliat, Rapporteur) : Exploration et structuration intrinsèquement motivées d'espaces d'apprentissage sensorimoteur : contributions théoriques, plateforme et expérimentations

Adrien Jauffret (11/07/2014, David Filliat, Rapporteur) : De l'auto-évaluation aux émotions - approche neuromimétique et bayésienne de l'apprentissage de comportements complexes impliquant des informations multimodales

Kangni Kueviakoe (30/09/2014, David Filliat, Rapporteur) : Localisation multi-capteurs garantie : Résolution d'un problème de satisfaction de contraintes

Emilie Wirbel (7/10/14, David Filliat, Rapporteur) : Localisation et navigation topologiques de robots humanoïdes

Irene Ayllon Clemente (25/7/14, Alexander Gepperth, Rapporteur) : An on-line learning system for speech acquisition.

9.3. Popularization

IniRobot: Development, evaluation and dissemination of the IniRobot program for initiating young kids (primary schools) to computer science and robotics. This has been used and deployed in several major towns in France, including Lille, Talence and Lormont. Several days of formation for teachers have been organized to foster dissemination. The kit is Creative Commons, and available on the dedicated web site created: <https://dm1r.inria.fr/c/kits-pedagogiques/inirobot>

PY Oudeyer gave a TedX talk in Cannes, explaining open-source developmental robotics, <https://www.youtube.com/watch?v=AP8i435ztwE>

PY Oudeyer gave several interviews in the general press (e.g. Le Monde, Les Echos, Sciences et Avenir) to explain societal issues of robotics, <http://www.pyoudeyer.com/press/>

PY Oudeyer wrote three popular science articles to explain societal issues of robotics:

- "What can we learn about development from baby robot" <http://www.pyoudeyer.com/WhatDoWeLearnFromBabyRobotsOudeyer2015.pdf>
- Oudeyer, P-Y. (2014) Robotique: les grands défis à venir, Futuribles, Mars 2014 <http://www.pyoudeyer.com/PYOudeyerRobotFuturibles14.pdf>.
- Oudeyer, P-Y. (2014) Des abeilles aux sources de la parole, in Breve de Maths, Mathématiques pour la planète terre, Nouveau monde editions, <http://www.breves-de-maths.fr/des-abeilles-aux-sources-de-la-parole/>.

06/02/2014 : "Developmental Robotics - Learning objects by interaction", David Filliat, Invited conference, Institut Bull, Réunion du groupe de réflexion CEM "Cerveaux et machines"

6-8/02/2014 : Aquitec, Yoan Mollard presented the Poppy platform to students and visitors

18-20/03/2014 : Innorobo 2014, Yoan Mollard and Steve N'guyen presentend the projects Poppy and 3rd hand

11/04/2014 : "Semantic Mapping", David Filliat, Invited Conference, Laboratoire Imagine, Ecole Nationale Supérieure des Ponts et Chaussées

20-22/06/2014: Poppy has been presented in the Paris Makerfair and obtained a "maker of merit" award.

2-8/07/2014: Demonstrations of Poppy took place at the FAB10 conference in Barcelona, the biggest conference about the maker revolution. Poppy was among the ten finalists for the Fablab award.

4-5/09/2014: Clement Moulin-Frier, Steve N'Guyen and Pierre Rouanet participated to a Hackathon in "cité des sciences" about programming the Poppy humanoid platform.

11/10/2014: Robotics animations for the "Fete de la science" at ENSTA ParisTech,

17/10/2014 : "Robots and Social Interaction Decisions - Developmental robotics", David Filliat, Invited presentation for the ITechLaw 2014 conference.

25-28/10/2014: Clement Moulin-Frier and Pierre Rouanet presented the Poppy platform and the associated libraries - pypot and explauto - to the PyConFR2014 conference and organised of a Hackathon.

19-21/11/2014: Clement Moulin-Frier, Nicolas Rabault, and Pierre Rouanet presented the Poppy platform to the fossa 2014 conference.

10/12/2014: Robotics demonstration for "Science Break" organised by Diagonale Paris Saclay : <http://sciencebreak.ladiagonale-paris-saclay.fr>

Clément Moulin-Frier contributed to a scientific diffusion paper in the French journal *Biofutur* about the use of robotics in the study of language evolution and acquisition: <http://www.biofutur.com/anciens-numeros>. <https://hal.archives-ouvertes.fr/hal-01100048>

Fabien Benureau supervised two students in 3rd year of the Cognitive Science major at the University of Bordeaux on their TER project. The project used Poppy, exploring how the attitude towards robots influences how humans recognise the emotion they try to express. Poppy having no facial expression — or face — yet, the students expressed the five expressions they selected (anger, surprise, joy, sadness, disgust) with body movements alone. They videotaped the sequences of movements (videos are available here http://python.sm.u-bordeaux2.fr/ter/2014/sc/desprez-zerdoumi/?page_id=289) and created an experiment asking volunteers to guess which emotion was displayed. The form also included the Negative Attitude towards Robots Scale (NARS), to investigate the possible correlation between fear of robot and the ability to identify their emotional attitude. The results showed no correlation between the two, although it was admitted that the experiment would have to be improved and ran again before any conclusion could be made.

HEPHAISTOS Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. General chair, scientific chair

- J-P. Merlet is a member of the scientific committee of the European Conference on Mechanism Science (EUCOMES), chairman of the scientific Committee of the Computational Kinematics workshop, a member of the steering Committee of IROS. and board member of the Journal of Behavioral Robotics. He is also also Inria representative to PPP Eurobotics aisbl. He is a member of the IFToMM (International Federation for the Promotion of Mechanism and Machine Science) Technical Committees on History and on Computational Kinematics and is one of the 10 members of IFToMM Executive Council, the board of this federation. He is a member of the scientific committee of the CNRS GDR robotique

8.1.2. Scientific events selection

8.1.2.1. Member of the conference program committee

- J-P. Merlet has been reviewing Editor for IROS 2014
- Y. Papegay is a permanent member of the International Steering Committee of the International Mathematica Symposium conferences series, and member of the Program Committee of the 2015 edition

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Master : O. Pourtallier lectured 6 hours on game theory to Master OSE (M2), at École des Mines de Paris, Sophia Antipolis, France

8.2.2. Supervision

PhD in Progress : K. Bakal, Biomechanics of the upper limb, 2013, supervisors: D. Daney, J-P. Merlet, P. Gorce

PhD in Progress :M. Beninati, Legal aspect of assistance robotics, 2015, supervisor: J-P. Merlet

PhD in Progress : A. Berti, Forward kinematics of cable driven parallel robots, 2012, supervisors: M. Carricato, J-P. Merlet

PhD in Progress : L. Blanchet, Interference and modularity management in cable-driven parallel robots, 2011, supervisor: J-P. Merlet

PhD in Progress, H. Lamine, Cable-driven parallel robot for rehabilitation, 2013, supervisors: J-P. Merlet, L. Romdhane

PhD in Progress : A. Massein, Design of Smart Environment for Human Behaviour Recognition, 2013, supervisors: D.Daney, Y.Papegay

PhD in Progress : R. Ramadour, Visual servoing for cable-driven parallel robot, 2011, supervisors: F. Chaumette, J-P. Merlet

8.2.3. Juries

- J-P. Merlet has been the member of the jury of 5 PhD defense and of one HdR

8.3. Popularization

- M. Gautier has participated to the Fête de la science CIV, to the Carrefour des métiers Nice and has proposed a programming initiation to a 6ème class in view of the participation to the Junior Robotics Pobot Cup.
- Y.Papegay is actively participating to the Math.en.Jeans initiative for Mathematics teaching for undergraduate students.
- we extensively use the MARIONET-SCHOOL robots for pedagogy and teaching at all level.
- J-P. Merlet has given several national newspapers and TV interviews

LAGADIC Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. general chair, scientific chair

- Paolo Robuffo Giordano co-organized the Workshop “On the centrality of decentralization in multi-robot systems: holy grail or false idol?” at ICRA 2014, Hong Kong, China

9.1.1.2. member of the organizing committee

- Paolo Robuffo Giordano co-organized the 7-th International Workshop on Human-Friendly Robotics, Pontedera, Italy

9.1.2. Scientific events selection

9.1.2.1. member of the conference program committee

- François Chaumette: ICRA'14, ICRA'15
- Eric Marchand: ICRA'14, RFIA'14 (area chair), ICIP'14
- Patrick Rives: RFIA'14
- Paolo Robuffo Giordano: RSS'14, ICRA'14, DARS'14, RSS'15
- Marie Babel: ICIP'14, ICRA'15

9.1.2.2. reviewer

- François Chaumette: ICRA'14, RSS'14, IROS'14, , WAFR'14, ICRA'15
- Eric Marchand: ICRA'14, ICIP'14, IROS'14, ICRA'15
- Patrick Rives: ICRA'15, IROS'14, MVIGRO'14, RFIA'14, ECCV'14, ASROB'14
- Paolo Robuffo Giordano: ICRA'14, IROS'14, MSC'14, IFAC WC'14, ICRA'15
- Alexandre Krupa: ICRA'14, IROS'14, IPCAI'14, ICRA'15, ISBI'15

9.1.3. Journal

9.1.3.1. member of the editorial board

- Eric Marchand and Paolo Robuffo Giordano are Associate Editors of the IEEE Trans. on Robotics.
- Eric Marchand is a Guest Editor (with Peter Corke and Jana Kosecka) of a Special Issue of the Int. Journal of Robotics Research on Robot Vision.
- François Chaumette is in the Editorial Board of the Int. Journal of Robotics Research.

9.1.3.2. reviewer

- François Chaumette: IEEE Trans. on Robotics (7), Int. Journal of Robotics Research (1), IEEE Trans. on Automatic Control (1), Robotics and Autonomous Systems (1)
- Eric Marchand: IEEE Trans. on Robotics (8), Int. Journal of Robotics Research (4), Autonomous Robots (1)
- Patrick Rives: Int. Journal of Robotics Research (1), Journal of Control (1)
- Paolo Robuffo Giordano: IJRR (2), T-CST (2), JHRI (1), TAC (1), TRO (1)
- Alexandre Krupa: Robotics and Autonomous Systems (1)

9.1.4. Selection committees

- François Chaumette was in the selection committee for an Assistant Professor position at the “Université Picardie-Jules Verne” in Amiens. He also served in the jury for the selection of research scientists (SRP/ARP) at Inria.
- Marie Babel was in the selection committee for research scientists (CR2) at Inria Rennes-Bretagne Atlantique. She also served in the selection committee for an Assistant Professor position in robotics at the “Université de Lorraine”.
- Paolo Robuffo Giordano and François Chaumette were in the selection committee for an Assistant Professor position in robotics at the “Université de Rennes 1”.
- Eric Marchand was in the selection committee for a Professor position in image processing at Insa in Rennes.
- Patrick Rives as a member of the Inria evaluation committee was in the selection committee for research scientists (CR2) at Inria Nancy-Grand Est and Inria Bordeaux-Sud-Ouest, and also in the selection committees for senior research scientists (DR2, DR1, and DR0).

9.1.5. Participation in seminars, invitation

- François Chaumette and Paolo Robuffo Giordano were invited to give a talk during the final workshop of the FP7 Regpot project at Dubrovnik, Croatia, in September 2014.
- Alexandre Krupa was invited to give a talk in the tutorial session on Mechatronics for medical robotics at the IEEE/ASME Conf. on Advanced Intelligent Mechatronics, Besançon, France, July 2014 [59].

9.1.6. Animation at the international level

- François Chaumette served in the 2014 IEEE RAS Fellow Nomination Committee and in the 2014 IEEE RAS Chapter of the year Award Committee. He was also a member of the jury in charge of the 2014 IEEE ICRA Best Vision paper award.
- Paolo Robuffo Giordano served as External Reviewer for the EU FP7 Project “SHERPA”

9.1.7. Animation at the national level

- François Chaumette and Patrick Rives are members of the scientific council of the “GdR Robotique” and JNRR. They have both served in the jury to select the best French Ph.D. thesis in robotics.
- Patrick Rives is a member of the Inria evaluation committee.
- Eric Marchand is in the board of the “Association Française pour la Reconnaissance et l’Interprétation des Formes (AFRIF)”. He is secretary of this association.
- Alexandre Krupa is a member of the Inria Cost-GTAI in charge of the evaluation of the ADTs (“Actions de développements technologiques”)

9.1.8. Animation at the regional and local levels

- Eric Marchand is in the board of the “Images et réseaux” competitiveness cluster.
- Alexandre Krupa is a member of the GestChir project at the IRT B-Com in Rennes.
- Eric Marchand is a member of the scientific council of the “École supérieure d’ingénieurs de Rennes” (ESIR).
- François Chaumette is the president of the committee in charge of all the temporary recruitments (“Commission Personnel”) at Inria Rennes-Bretagne Atlantique and Irisa. He is also a member of the Head team of Inria Rennes-Bretagne Atlantique.
- Eric Marchand is a member of the committee in charge of all the temporary recruitments (“Commission Personnel”) at Inria Rennes-Bretagne Atlantique and Irisa. He is particularly in charge of Irisa Ph.D. students.
- Marie Babel is a member of the “Comité de centre” of Inria Rennes-Bretagne Atlantique.

- Fabien Spindler is a member of the “Commission développement durable” of Inria Rennes-Bretagne Atlantique.
- Alexandre Krupa is a member of the CUMIR (“Commission des Utilisateurs des Moyens Informatiques pour la Recherche”) of Inria Rennes-Bretagne Atlantique.
- Paolo Robuffo Giordano was invited to give a talk to the M.Sc. students at the ENS Rennes in October 2014.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Marie Babel:

- Master INSA3: “Statistical Signal Processing”, 24 hours, M2, INSA Rennes
- Master INSA1: “Assembly language compilation oriented”, 30 hours, L3, INSA Rennes
- Master INSA2: “Computer science project”, 30 hours, M1, INSA Rennes
- Master INSA2: “Image analysis”, 18 hours, M1, INSA Rennes
- Master INSA1: “Remedial math courses”, 24 hours, L3, INSA Rennes
- Master INSA1: “Risk Management for Information Systems”, 8 hours, L3, INSA Rennes

François Chaumette:

- Master ESIR3: “Visual servoing”, 8 hours, M2, Ecole supérieure d’ingénieurs de Rennes

Vincent Drevelle:

- Master CTS: “Instrumentation, localization, GPS“, 6 hours, M2, Université de Rennes 1
- Master Info: “Mobile robotics“, 22 hours, M2, Université de Rennes 1

Alexandre Krupa:

- Master SIBM (Signals and Images in Biology and Medicine): “Medical robotics guided from images”, 4.5 hours, M2, Université de Rennes 1, Brest and Angers
- Master FIP TIC-Santé: “Ultrasound visual servoing”, 6 hours, M2, Télécom Physique Strasbourg

Eric Marchand:

- Master Esir2: “Colorimetry”, 24 hours, M1, Esir Rennes
- Master Esir2: “Computer vision: geometry”, 24 hours, M1, Esir Rennes
- Master Esir3: “Special effects”, 24 hours, M2, Esir Rennes
- Master Esir3: “Computer vision: tracking and recognition”, 24 hours, M2, Esir Rennes
- Master MRI: “Computer vision”, 24 hours, M2, Université de Rennes 1
- Master MIA: “Augmented reality”, 4 hours, M2, Université de Rennes 1

Paolo Robuffo Giordano:

- Master in Robotics: “Analysis and Control of Multi-Robot Systems”, 16 hours, M2, Department of Computer and System Sciences, University of Rome “La Sapienza”

9.2.2. Supervision

Ph.D.: Bertrand Delabarre, “Contributions to dense visual tracking and visual servoing using robust similarity criteria”, defended on December 2014, supervised by Eric Marchand [8]

Ph.D.: Jérôme Ardouin, “Contribution to the study of visualization of real and virtual environment with an extended field of view”, defended on December 2014, supervised by Anatole Lecuyer (Hybrid group in Rennes), Maud Marchal (Hybrid group) and Eric Marchand

Ph.D.: Carlo Masone, “Planning and Control for Robotic Tasks with a Human-in-the-Loop”, defended on July 2014, supervised by Paolo Robuffo Giordano with Prof. Dr.-Ing. Frank Allgöwer (University of Stuttgart) and Prof. Dr. Heinrich H. Bühlhoff (Max Planck Institute for Biological Cybernetics)

Ph.D.: Volker Grabe, “Towards Robust Visual-Controlled Flight of Single and Multiple UAVs in GPS-Denied Indoor Environments”, defended on March 2014, supervised by Paolo Robuffo Giordano with Prof. Dr. Andreas Schilling (University of Tübingen) and Prof. Dr. Heinrich H. Bühlhoff (Max Planck Institute for Biological Cybernetics)

Ph.D.: Rafik Sekkal, “Visual techniques for 2D object detection and tracking”, defended on February 2014, supervised by Marie Babel [9]

Ph.D. in progress: Manikandan Bakthavatchalam, “Utilisation des moments photométriques en asservissement visuel”, started in October 2011, supervised by François Chaumette

Ph.D. in progress: Tawsif Gokhool, “Représentations valides à long terme pour la navigation et l’apprentissage des modèles 3D”, started in February 2012, supervised by Patrick Rives

Ph.D. in progress: Romain Drouilly, “Représentation hybride métrique, topologique et sémantique d’environnement 3D pour la localisation temps réel”, started in May 2012, supervised by Patrick Rives

Ph.D. in progress: Le Cui, “Nano-manipulation par asservissement visuel”, started in October 2012, supervised by Eric Marchand

Ph.D. in progress: Riccardo Spica, “Autonomous vision-based two-hand manipulation strategies for humanoid robots”, started in December 2012, supervised by Paolo Robuffo Giordano and François Chaumette

Ph.D. in progress: Lucas Royer, “Visual tool for percutaneous procedures in interventional radiology”, started in September 2013, supervised by Alexandre Krupa, Maud Marchal (Hybrid group at Inria Rennes-Bretagne Atlantique and Irisa) and Guillaume Dardenne (IRT B-Com)

Ph.D. in progress: Pierre Chatelain, “Multi-modal visual servoing for intra-operative imaging”, started in September 2013, supervised by Alexandre Krupa and Nassir Navab (Technische Universität München)

Ph.D. in progress: Vishnu Karakkat Narayanan, “Semi-autonomous navigation of a wheelchair by visual servoing and user intention analysis”, started in September 2013, supervised by Marie Babel and Anne Spalanzani (e-Motion group at Inria Rhône-Alpes)

Ph.D. in progress: Suman Raj Bista, “Visual navigation of a humanoid robot”, started in October 2013, supervised by Paolo Robuffo Giordano and François Chaumette

Ph.D. in progress: Nicolas Cazy, “Model predictive visual servoing of a humanoid robot”, started in October 2013, supervised by Paolo Robuffo Giordano, François Chaumette and Pierre-Brice Wieber (Bipop group at Inria Rhône-Alpes)

Ph.D. in progress: Renato José Martins, “Robust navigation and control of an autonomous vehicle”, started in November 2013, supervised by Patrick Rives and Samuel Siqueira Bueno (CTI)

Ph.D. in progress: Aly Magassouba, “Audio-based control”, started in December 2013, supervised by François Chaumette and Nancy Bertin (Panama group at Inria Rennes-Bretagne Atlantique and Irisa)

Ph.D. in progress: Jason Chevie, “Control of a flexible needle by visual servoing using B-mode ultrasound images”, started in September 2014, supervised by Alexandre Krupa and Marie Babel

Ph.D. in progress: Quentin Bateux, “Visual servoing from global descriptors”, started in October 2014, supervised by Eric Marchand

Ph.D. in progress: Fabrizio Schiano, “Collective control with onboard sensors for multiple quadrotor UAVs”, started in October 2014, supervised by Paolo Robuffo Giordano

Ph.D. in progress: Pedro Patlan-Rosales, “Robotic insertion of a biopsy needle by visual servoing using elastography images”, started in October 2014, supervised by Alexandre Krupa

Ph.D. in progress: Noël Mériaux, “Landing by visual servoing”, started in October 2014, supervised by François Chaumette, Eric Marchand and Patrick Rives

Ph.D. in progress: Lesley-Ann Dufлот, “Soft tissue deformation tracking using optical coherence tomography (OCT) and ultrasound imaging”, started in November 2014, supervised by Alexandre Krupa and Brahim Tamadazte (Minarob group at FEMTO-ST, Besançon)

Master internship: Clément Leboulenger from Insa Rennes, “Haptic guidance for vision-based semi-autonomous wheelchair navigation”, supervised by Marie Babel and Maud Marchal (Hybrig group at Inria Rennes-Bretagne Atlantique)

Master internship: Quentin Bateux from Insa Rouen, “Visual servoing from histograms”, supervised by Eric Marchand

Master internship: Jason Chevie from Normale Sup Cachan, “3D deformable target tracking in ultrasound images”, supervised by Alexandre Krupa and Marie Babel

Bachelor internship: David Roszczypala from Univ. Rennes 1, “Target tracking by visual servoing”, supervised by François Chaumette

Bachelor internship: Olivier Bordron from Normale Sup Rennes, “Active SfM with a human-in-the-loop”, supervised by P. Robuffo Giordano

Bachelor internship: Quentin Delamare from Normale Sup Rennes, “Learning-based flight control for quadrotor UAVs”, supervised by Paolo Robuffo Giordano

9.2.3. *Juries*

- Marie Babel: Jesus-Arturo Escobedo-Cabello (Ph.D., reviewer, Inria, Grenoble)
- François Chaumette: Dorra Larnaout (Ph.D., reviewer, CEA, Saclay), Ivan Markovic (Ph.D., Zagreb), Mohammed Rédha Benachenhou (Ph.D., reviewer, IRCCyN, Nantes), Dao Xuan Quy (Ph.D., Inria, Rennes), Guillaume Sabiron (Ph.D., president, Onera, Toulouse), Omar Tahri (HdR, Institut Pascal, Clermont-Ferrand), Xavier Savatier (HdR, reviewer, Irseem, Rouen)
- Eric Marchand: Ali Mekkonen (Ph.D., reviewer, Laas, Toulouse), Maxime Boucher (Ph.D., Evry), Olivier Le Meur (HdR, Irisa, Rennes), Rémi Cozot (HDR, president, Irisa, Rennes), Valérie Renaudin (HdR, president, Irstea), Clément Deymier (Ph.D., president, Institut Pascal, Clermont-Ferrand), Mihir Jain (Ph.D., president, Irisa, Rennes)
- Patrick Rives: R. Marie (Ph.D., Mis Amiens), E. Wirbel (Ph.D., president, Ecole des Mines de Paris), J.C. Devaux (Ph.D., reviewer, Ibisc Evry), G. Bernardes Vitor (Ph.D., reviewer, Unicamp Brazil), Xavier Savatier (HdR, president, Irseem, Rouen)

9.2.4. *Patent*

- Paolo Robuffo Giordano obtained the US Patent N. 8,634,969 “Teleoperation Method And Human Robot Interface For Remote Control of a Machine by a Human Operator” with Prof. Dr. Heinrich H. Bühlhoff (Max Planck Institute for Biological Cybernetics)

9.3. Popularization

- Due to the visibility of our experimental platforms, the team is often asked to present its research activities to students, researchers or industry. Our panel of demonstrations allows us to highlight recent results concerning the positioning of an ultrasound probe by visual servoing, the construction of a tower by combining 3D model-based visual tracking and visual servoing techniques to pick up cubes that are assembled, vision-based detection and tracking for space navigation in a rendezvous context, the semi-autonomous navigation of a wheelchair, and augmented reality applications.
- Marie Babel and François Pasteau gave a press conference in December 2014, organized at Pôle Saint Hélier (Rennes)
- Marie Babel gave a talk on "A driving assistance solution" in October 2014, during the "Semaine des Télécoms - Robotique et objets connectés" organised at Insa Rennes
- Fabien Spindler is a member of the editorial board of "Ouest Inria", the internal journal at Inria Rennes-Bretagne Atlantique.

RITS Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

Fawzi Nashashibi: co-organiser of the session "Advanced Perception, Localization and Control for Ground Robots" of the International Conference on Control, Automation, Robotics and Vision (ICARCV 2014);

Joshué Pérez Rastelli: co-Chair of the Poster Session IIIB1, Vehicle Environment Perception III of the IEEE Intelligent Vehicles Symposium 2014.

Oyunchimeg Shagdar: co-chair of the International Workshop on vehicular networking and intelligent transportation systems, 2015.

9.1.1.2. Member of the organizing committee

Vicente Milanés: publicity co-chair of the International Conference on Internet of Vehicles 2014.

Michel Parent : organization of a session on "International Connected Vehicle & ITS" at IoT China 2014 Conference (Oct. 28-30, 2014, Shanghai, China)

9.1.1.3. Invited speaker

Guy Fayolle: invited speaker at Heriot-Watt University (Edinburgh), where he presented various aspects of the article [20].

Fawzi Nashashibi: invited speaker at ETSI ITS meeting in at Berlin (February), Franco-British Workshop; keynote speaker at the IROS'14 PPNIV workshop (Chicago, September) and participant of the roundtable "Towards driverless vehicles?"; participant of the euRobotics-aisbl meeting (Frankfurt); invited speaker at the AHB030 committee of the TRB'14 conference (Washington, January), at Princeton University on "Automated Urban Vehicles" (January 10, 2014, Princeton, USA)

Michel Parent: invited speaker at VDI - Automated Driving 2014 (<http://www.vdi-wissensforum.de/en/events/822/event/01KO905/>), and at iMobility Challenge Conference (<http://www.imobilitychallenge.eu/roadshow/view/id/15>)

Oyunchimeg Shagdar: invited speaker at 6th ETSI ITS Workshop 2014, Berlin, March 2014; Seminar "Industrial connected objects, M2M, and Networking" Paris June 2014.

9.1.2. Scientific events selection

9.1.2.1. Member of the conference program committee

Guy Fayolle: program committee member of the regular Int. Symposium on Computer and Information Sciences (Krakow, Poland, oct. 27-28 2014).

Vicente Milanés: member of the IPC in the International Conference on Internet of Vehicles 2014.

Fawzi Nashashibi: technical program committee member of the IEEE Intelligent Vehicles Symposium 2014, of the 13th International Conference on Control, Automation, Robotics and Vision (ICARCV 2014), 2014 IEEE International Conference on Robotics and Automation (ICRA'14), 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'14).

Joshué Pérez Rastelli: technical program committee member of the IEEE Intelligent Vehicles Symposium 2014.

Oyunchimeg Shagdar: technical program committee member of the IARIA international conference on Emerging network Intelligence (EMERGING), 2014, and of the IEEE Vehicular Technology Conference (VTC 2014).

Anne Verroust-Blondet: technical program committee member of MMEDIA 2014.

9.1.2.2. Reviewer

Guillaume Bresson: 13th International Conference on Control, Automation, Robotics and Vision (ICARCV 2014).

Fawzi Nashashibi: 2014 IEEE Intelligent Transportation Systems Conference, 2014 IEEE Intelligent Vehicles Symposium, International conference on embedded computer Systems: Architecture, MOdeling and Simulatons (SAMOS) XIV, 2014 IEEE International Conference on Robotics and Automation, 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems, 2014 Transportation Research Board, 2014 Intelligent Transportation Systems World Congress.

Michel Parent: IEEE Control Systems Society Conference, IEEE Intelligent Transportation Systems Conference, IFAC World Congress, ITS World Congress, IEEE International Conference on Robotics and Automation (ICRA).

Evangeline Pollard: 13th International Conference on Control, Automation, Robotics and Vision (ICARCV 2014), IEEE Intelligent Vehicles Symposium 2014, IEEE Vehicular Technology Conference (VTC 2014), International IEEE Conference on Intelligent Transportation Systems 2014, IEEE International Conference on Intelligent Robots and Systems 2014.

Joshué Pérez Rastelli: International IEEE Conference on Intelligent Transportation Systems 2014, 2014 IEEE Intelligent Vehicles Symposium, International conference on embedded computer Systems: Architecture, MOdeling and Simulations (SAMOS) XIV.

Oyunchimeg Shagdar: IEEE Vehicular Technology conference (VTC) 2014, International IEEE Conference on Intelligent Transportations Systems (ITSC) 2014, IEEE International conference on connected vehicles and expo (ICCVE) 2014, IEEE Intelligent Vehicles Symposium (IV) 2014, IARIA conference on Emerging network Intelligence (Emerging) 2014.

9.1.3. Journal

9.1.3.1. Member of the editorial board

Guy Fayolle: associate editor of the journal *Markov Processes and Related Fields*.

Vicente Milanés: editor-in-chief of *Journal of Computer and Communications*, guest editor Special Issue of *Electronics journal on: Intelligent and Cooperative Vehicles*, associate editor of *Journal of Intelligent Systems*, associate editor of *Journal of Intelligent Transportation and Urban Planning*.

Fawzi Nashashibi: associate editor of the journal *Traitement du signal*.

Joshué Pérez Rastelli: guest-Editor of *IEEE Intelligent Transportation Systems Magazine*, special issue of ELECTRO-MOBILITY, July 2014.

Oyunchimeg Shagdar: associate editor of *Wiley International Journal of Communication Systems*.

9.1.3.2. Reviewer

Guy Fayolle: *PTRF, MPRF, QUESTA, IEEE-IT, JSP, AMS Mathematical Reviews*.

Vicente Milanés: *IEEE Trans. on Intelligent Transportation Systems*.

Fawzi Nashashibi: *Transportation Research Part C, IJRR, IJVAS, IEEE Transactions on Instrumentation and Measurement, IEEE Robotics and Automation Magazine, IEEE Transactions on ITS, IEEE TVT, IEEE Sensors*.

Michel Parent: *Journal of Intelligent Transportation Systems, Transportation Research Board Journal*.

Joshué Pérez Rastelli: *IEEE Robotics and Automation Magazine, Ad Hoc Networks, Mathematics and Computers in Simulation, Information Sciences, Dyna, Revista Bimestral de Ingeniería Multidisciplinar, Robotics, Electronics, IEEE Intelligent Transportation Systems Magazine*.

Evangeline Pollard: *IEEE Transactions on Vehicular Technology (TVT)*, *IEEE Transactions on Aerospace and Electronics Systems (AES)*.

Oyunchimeg Shagdar: *IEEE Transactions on Dependable and Secure computing*, *IEEE Transactions on Vehicular Technology*, *IEEE Transactions of Wireless Communications* and *Wiley International Journal of Communications Systems*.

Anne Verroust-Blondet: *Computer & Graphics*, *International Journal of Information and Communication Technology (IJICT)*, *Journal of Theoretical Biology*, *Information Sciences*.

9.1.4. Other

Guy Fayolle: member of the working group IFIP WG 7.3 and scientific advisor at the Robotics Laboratory of Mines ParisTech. In this respect, he participates in the contract COVADEC, which is an industrial project (FUI / FEDER 15) involving 8 partners, among which Peugeot, Valeo, Armines and All4tec. The acronym stands for *Conception et Validation des Systèmes Embarqués d'Aide à la Conduite*. Armines will propose a Markov chain analysis aiming at optimizing test generation, taking into account non independent parameters.

Fawzi Nashashibi: scientific advisor at the *Robotics Laboratory of Mines ParisTech*, member of the European working group on Automation of the iMobility Forum, member of the International Committee on Vehicle Highway Automation (AHB30), Topic Leader at the euRobotics (aisbl) robotics network.

Michel Parent: project evaluator for the European Commission and for the Belgium Ministry of Research ("Service Public de la Wallonie DGO6"), French representative for ISO TC184 SC2 (Service Robots), participate as French representative to the ISO TC204 WG14 on the standards for driving assistance and full automatic driving.

Anne Verroust-Blondet: expert for the call "H2020 REFLECTIVE-7-2014" at European Commission, member of the CES 31 committee ("Cultures, patrimoines") for the "Blanc" and "Young researcher" 2014 programmes of the French National Research Agency (ANR), scientific correspondent of the Inria European Partnerships Department for the Inria Paris-Rocquencourt research centre.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence: Fawzi Nashashibi, "Programmation avancée", 84h, L1, Université Paris-8 Saint-Denis, France.

Licence: Guillaume Trehard, "C programming language", L1, 50h, DUT Génie Electrique et Informatique Industrielle, IUT Chartres, France

Master: Jean-Marc Lasgouttes, "Analyse de données", 54h, second year of Magistère de Finance (M1), University Paris 1 Panthéon Sorbonne, France.

Master: Fawzi Nashashibi, "Programmation C++/OpenGL", 16h, 2nd year (MAREVA), Mines ParisTech, France.

Master: Fawzi Nashashibi, "Synthèse d'images", 12h, M2, INT Télécom SudParis, France.

Master: Fawzi Nashashibi, "Détection d'obstacles et fusion multicateurs", 4h, M2, INSA de Rouen.

Master: Joshué Pérez Rastelli, "Robotique et contrôle temps réel", M1, 15 hours, Leonard Da Vinci University -l'ESILV- (La Defense, France), Apr-May 2014.

Master: Joshué Pérez Rastelli, "Standards for Automobiles", M2, 30 hours, François Rabelais University (Tours, France), François Rabelais University (Tours, France), Feb-March 2014.

Master: Joshué Pérez Rastelli, "Digital environment and road – ITS applications", M2, 32.5 hours, Feb-March 2014.

Master: Guillaume Trehard, “C++ programming language”, M1, 30h, Paris 8 University, France.

Engineering school: Evangeline Pollard, “Le véhicule autonome”, 1.5 h, Ecole des Ponts ParisTech, Champs-sur-Marne, France, Sept. 2014.

9.2.2. Supervision

PhD : Ines Ben Jemaa, “Dissemination of Geo-localized information in cooperative ITS”, Mines ParisTech, December 17th 2014, Mines ParisTech, supervisor: Arnaud De La Fortelle, co-supervisor Paul Muhlethaler and Oyunchimeg Shagdar

PhD : Esmâ Elghoul, “Segmentation de maillages 3D par l'exemple”, Télécom ParisTech, September 29th 2014, supervisor: Anne Verroust-Blondet

PhD in progress : Mohammad Abu Alhoul, “Communications par lumière visible et communications radio pour La Conduite Automatique”, Mines ParisTech, supervisor: Fawzi Nashashibi, co-supervisor: Oyunchimeg Shagdar

PhD in progress : Zayed Al-Sayed, “Système de localisation redondant en environnement extérieur ouvert pour véhicule urbain automatique”, Télécom ParisTech, supervisor: Anne Verroust-Blondet, co-supervisor: Guillaume Bresson

PhD in progress : David Gonzalez Bautista, “Contrôle coordonné et planification dynamique des trajectoires pour un système de transport cybernétique en milieu urbain instrumenté”, Mines ParisTech, supervisor: Fawzi Nashashibi, co-supervisor: Joshué Pérez-Rastelli

PhD in progress : Younes Bouchaala, “Utilisation de la communication véhicule-à-véhicule pour l'amélioration de la sécurité sur la route”, Université de Versailles, supervisor: Paul Muhlethaler, co-supervisor: Oyunchimeg Shagdar

PhD in progress : Fernando Garrido, “Optimal trajectory generation for autonomous vehicles in smart cities”, Mines ParisTech, supervisor: Fawzi Nashashibi, co-supervisor: Joshué Pérez-Rastelli

PhD in progress : Pierre Merdrignac, “Développement d'un système coopératif Perception-Communication pour l'amélioration de la sécurité des personnes vulnérables”, supervisor: Fawzi Nashashibi, co-supervisor: Oyunchimeg Shagdar and Evangeline Pollard

PhD in progress : Sofiene Mouine, “Identification d'espèces végétales par une approche de description géométrique locale d'images de feuilles”, Télécom ParisTech, supervisor: Anne Verroust-Blondet, co-supervisor: Itheri Yahiaoui

PhD in progress : Guillaume Trehard, “Gestion des intersections pour la conduite urbaine autonome”, Mines ParisTech, supervisor: Fawzi Nashashibi, co-supervisor: Evangeline Pollard

PhD in progress : Zahraa Yasseen, “Garment design and shape description for Sketch-based applications”, Télécom ParisTech, supervisor: Anne Verroust-Blondet, co-supervisor: Ahmad Nasri

9.2.3. Juries

Fawzi Nashashibi was member of the HDR jury of:

- Dominique GRUYER: “Fusion de données: de la perception de l'environnement aux systèmes coopératifs”, Université d'Évry Val d'Essonne, February 28th, 2014.

Fawzi Nashashibi was the President of the jury of:

- Nicole AL-ZOGHBY: “Distributed Data Fusion in VANETs”, Université de Technologie de Compiègne, February 2014.

Fawzi Nashashibi was a jury member of the following PhD students:

- Guillaume BRESSON: “Localisation d'une flotte de véhicules communicants par approche de type SLAM visuel décentralisé”, Université Blaise Pascal – Clermont II, February 2014.
- Maxime BOUCHER: “Quelques contributions en localisation et cartographie simultanées multi-capteurs : application à la réalité augmentée”, Université d'Évry Val d'Essonne, September 2014.
- Laetitia LAMARD: “Approche modulaire pour le suivi temps réel de cibles multi-capteurs pour les applications routières”, Université Blaise Pascal – Clermont II, July 10th, 2014.

9.3. Popularization

Several members of the team have participated in:

- The exhibition Futur-en-Seine (June 12-22 2014).
- The final Demonstration of Link & Go Project: Automated driving functionalities and SLAM, September 2014 at Magny les Hameaux, France.
- Showcase of CityMobil2: Autonomous maneuver in urban scenarios. September 2014, at Leon, Spain.
- Showcase of CATS project: Autonomous functionalities. October 2014, at Ploiesti, Rumania.
- Large-scale demonstration of automated transport of CityMobil2, December 2014, at La Rochelle.

AYIN Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. Member of the organizing committee

- Josiane Zerubia was a part of the organizing committee for the IEEE ICIP conference in Paris in September 2014 (more than 1700 participants) <http://icip2014.wp.mines-telecom.fr/>. She was also co-chair of the tutorials and chair of a session.

8.1.2. Scientific events selection

8.1.2.1. Member of the conference program committee

- Yuliya Tarabalka was a part of the program committee for the OSA Imaging Systems and Applications conference 2014.
- Josiane Zerubia was a part of the program committee for the EMMCVPR conference in Hong-Kong <http://blog.ust.hk/emmcvpr/people/>.

8.1.2.2. Reviewer

- Nazre Batool was a reviewer for the conference IEEE ICIP 2014.
- Aurélie Boisbunon was a reviewer for the European Signal Processing Conference (EUSIPCO).
- Ian Jermyn was a reviewer for the conferences EMMCVPR, IEEE ICIP 2014, IDEAL and of proposals for the UK Engineering and Physical Sciences Research Council and the Israel Science Foundation.
- Yuliya Tarabalka was a reviewer for the conferences IEEE ICIP 2014, IEEE IGARSS 2014 and OSA Imaging Systems and Applications 2014.
- Josiane Zerubia was a reviewer for the conferences EMMCVPR, IEEE ICASSP'14, IEEE ISBI'14, IEEE ICIP'2014 and ICPR'14.

8.1.3. Journal

8.1.3.1. Member of the editorial board

- Yuliya Tarabalka was a co-editor of the special issue "Analysis of Remote Sensing Image Data" for the journal Remote Sensing.
- Josiane Zerubia is an Associate Editor of the collection "Foundation and Trends in Signal Processing" [<http://www.nowpublishers.com/>].
- Josiane Zerubia is a member of the Editorial Board of the "Revue Française de Photogrammétrie et de Télédétection of SFPT".
- Josiane Zerubia is an Associate Editor of the electronic journal Earthzine [<http://www.earthzine.org/>].

8.1.3.2. Reviewer

- Nazre Batool was a reviewer for IEEE TIP, IET Image Processing journal and International Journal of Image and Graphics.
- Aurélie Boisbunon was a reviewer for the journals Signal Processing and Pattern Recognition.
- Paula Craciun was a reviewer for the IEEE JSTARS journal.
- Seong-Gyun Jeong was a reviewer for the journals IEEE CSVT and ELS JVCIR.

- Ihsen Hedhli was a reviewer for the journals IEEE GRSL, IEEE JSTARS and MDPI remote sensing.
- Ian Jermyn was a reviewer for the Journal of Mathematical Imaging and Vision
- Yuliya Tarabalka was a reviewer for the journals IEEE TIP, IEEE TGRS, IEEE JSTARS and ISPRS Journal of Photogrammetry and Remote Sensing.

8.1.4. Seminars

- Nazre Batool attended a meeting with Galderma R&D in August 2014 at Galderma, Sophia Antipolis and presented research progress on evaluation of temporal changes in facial wrinkles.
- Nazre Batool attended a meeting with Fraunhofer Institutes (Germany) and Philips Research (Netherlands) under LIRA consortium in February 2014 at Inria Sophia Antipolis.
- Aurélie Boisbunon gave the seminar “Détection de bateaux sur images satellitaires de ports”, at BioSP team, INRA Avignon, France, in June.
- Aurélie Boisbunon gave the seminar “Non convex sparse optimization problems in very high dimension and application to object detection”, at the Nonconvex optimization meeting organized by GdR ISIS, Télécom ParisTech, France, in May.
- Paula Craciun gave a seminar about multiple target tracking using marked point processes at Inria Rennes, in December 2014 and enjoyed a large audience from Inria Rennes and IRMAR Institute.
- Ihsen Hedhli, together with Aurélie Boisbunon and Josiane Zerubia presented Ayin research work at a poster session during the Pleiades days organized the French Space Agency in Toulouse in April 2014.
- Seong-Gyun Jeong attended a meeting with Galderma R&D in August 2014 at Galderma, Sophia Antipolis and presented his work on facial wrinkle detection.
- Seong-Gyun Jeong presented his work for regular poster session and Inria booth in IEEE ICIP 2014, Paris, in October.
- Yuliya Tarabalka visited and gave seminars at the University of Surrey and the University of Nice Sophia-Antipolis, on the topic of spatio-temporal video segmentation with shape growth or shrinkage constraint, in January and February 2014, respectively.
- Yuliya Tarabalka, Ian Jermyn and Josiane Zerubia attended a meeting at Institute Mines-Telecom in Paris in March 2014 with Magellium (UK), University of Genoa (Italy), EPFL (Switzerland), University of Szeged (Hungary), University of Tromsø (Norway), University of Iceland and University Ben Gurion (Israel). The meeting was held in regards with a project proposal for the H2020 initiative.
- Josiane Zerubia organized the meeting with 2 Fraunhofer Institutes (Germany), Philips Research (Netherlands), Red Cross Hospital (Netherlands), Galderma R&D (France), CHU Nice/Inserm (France) and Inria-SAM (France). The meeting was held in regards with a project proposal for the H2020 initiative at Inria Sophia Antipolis in February 2014.
- Josiane Zerubia was invited to give in June a series of different seminars related to remote sensing, marked point processes and hierarchical Markov random fields in Israel at Ben Gurion University in Beer Sheva, Hebrew University of Jerusalem, University of Haifa as well as in two industrial R&D centers in Herzlyia (General Motors and Superdimension/Covidian).
- Josiane Zerubia gave in August in Canada a seminar on remote sensing at University of Montreal and two talks on skin image processing at Mc Master University (Biophotonics lab and Juravinski Cancer Center).
- Josiane Zerubia was invited in December to go to Hungary to give a talk on skin image processing at University of Szeged and another one on hierarchical Markov random field for remote sensing at MTA SZTAKI in Budapest.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

- Masters: Yuliya Tarabalka, Digital imaging, 15h eq. TD (2h of lectures + 12h of TD), M2 SVS ISAB, Université de Nice Sophia-Antipolis, France.
- Masters: Josiane Zerubia, Deconvolution and denoising in confocal microscopy, 18h eq. TD (12h of lectures), M2 BCC, Université de Nice Sophia-Antipolis, France. Josiane Zerubia is also director of this course (total: 24h of lectures).
- Masters: Josiane Zerubia, Advanced techniques in signal and image processing, 30h eq. TD (20h of lectures), ISAE/SUPAERO, France. Josiane Zerubia is also director of this course (total: 30h of lectures and 10h of TD). This course was given to third-year students at ISAE/SUPAERO and was also validated by the Master 2 of Applied Mathematics at the University Paul Sabatier in Toulouse.
- Masters: Josiane Zerubia, Introduction to image processing, 4.5h eq. TD (3h of lectures), M2 SVS ISAB, Université de Nice Sophia-Antipolis, France. Josiane Zerubia is also director of the course “Digital imaging” at UNS, Master 2 SVS ISAB, UE3 (total: 25h of lectures and 25h of TD).

8.2.2. Supervision

PhD in progress: Paula Craciun, Automatic object tracking on a sequence of images taken from a geostationary satellite, University of Nice-Sophia Antipolis, started in December 2012, Josiane Zerubia.

PhD in progress: Ihsen Hedhli, Change detection methods for multisensor and multiresolution remote sensing images for applications to environmental disaster management, University of Genova and University of Nice-Sophia Antipolis, started in January 2013, Gabriele Moser and Josiane Zerubia.

PhD in progress: Seong-Gyun Jeong, New image processing methods for skin condition evaluation, University of Nice-Sophia Antipolis, started in December 2012, Josiane Zerubia and Yuliya Tarabalka.

8.2.3. Juries

- Yuliya Tarabalka participated in the monitoring committee for the thesis of Amine Bohi, Southern University of Toulon-Var in September 2014.
- Josiane Zerubia was a reviewer for the Master 2 SVS ISAB at UNS.
- Josiane Zerubia participated with another senior researcher of Inria in the monitoring committee for all the PhD theses funded by Airbus Defense and Space at Inria.
- Josiane Zerubia was a reviewer of a joint PhD thesis between ONERA/DOTA in Toulouse and GIPSA lab at ENSE3 in Grenoble (PhD thesis committee).
- Josiane Zerubia was a member of the selection committee to hire junior researchers (CR2) at Inria-SAM in May 2014.

8.3. Popularization

- Aurélie Boisbunon is the representative of PhD students and postdocs at the Mediation and Animation commission (MASTIC) of Inria Sophia Antipolis.
- Aurélie Boisbunon gave talks about machine learning and image processing to high school students and junior high school students for the MathsC2+ training course and for the Fête de la Science 2014.
- Aurélie Boisbunon is participating in a project with junior high school students from Collège Nucéra, in Nice, aiming at giving an introduction to programming and robotics.

- Josiane Zerubia gave a talk on aerial and satellite image processing to high school students in Physics at Valbonne International Center during the “Fête de la Science 2014.”
- Josiane Zerubia presented Inria and Inria-SAM to interested PhD and post-doc students at Inria booth during ICIP’14 in Paris as well as Mc Master University in Canada, University of Szeged and MTA SZTAKI in Hungary.
- Josiane Zerubia is organizing a monthly scientific seminar at Inria-SAM with national and international speakers (see <https://team.inria.fr/ayin/ayinseminars/>).

LEAR Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

- C. Schmid is general chair for IEEE Conference on Computer Vision and Pattern Recognition, 2015.

9.1.1.2. Member of the organizing committee

- C. Schmid and K. Alahari organized the ALLEGRO Workshop on weakly supervised learning and video recognition, Grenoble, 2014.
- Z. Harchaoui organized the “Tutorial on Frank-Wolfe and Greedy Optimization for Learning with Big Data” at ICML 2014, June 2014.
- Z. Harchaoui has organized a summer-school “Khronos Days”, focused on “High-Dimensional Learning and Optimization”, as part of the “Khronos” project (LabEx Persyval-Lab) and the “Gargantua” project (CNRS-Mastodons). <http://lear.inrialpes.fr/people/harchaoui/projects/khronos/>.
- Z. Harchaoui organized one international workshop. “Optimization and Statistical Learning workshop”, Les Houches, France, January 2015. <http://lear.inrialpes.fr/workshop/osl2015/>.
- Z. Harchaoui co-organized one national GDR-ISIS workshop on “Learning representations and signal processing”.
- Z. Harchaoui co-organized NIPS’14 "Optimization for Machine Learning" Workshop in Montreal (Canada).
- J. Mairal organized the session “Optimization and statistics” at “Journées MAS”, Toulouse, France.
- F. Pierucci co-organized the Grenoble Optimization Day workshop.

9.1.2. Scientific events selection

9.1.2.1. Member of the conference program committee

- J. Verbeek: area chair for BMVC ’14, ECCV ’14, CVPR ’15.
- Z. Harchaoui: area chair for ICML ’15.
- J. Mairal: area chair for ICML ’15.

9.1.2.2. Reviewer

The permanent members of the team reviewed numerous papers for numerous international conferences in computer vision and machine learning: CVPR, ECCV, NIPS, ICML, AISTATS.

9.1.3. Journal

9.1.3.1. Member of the editorial board

- C. Schmid: Editor in Chief of the International Journal of Computer Vision, since 2013.
- C. Schmid: Associate editor for Foundations and Trends in Computer Graphics and Vision, since 2005.
- J. Verbeek: Associate editor for Image and Vision Computing Journal, since 2011.
- J. Verbeek: Associate editor for the International Journal on Computer Vision, since 2014.
- J. Mairal: Guest editor for the Special Issue on Sparse Coding of the International Journal of Computer Vision.
- J. Mairal: Associate editor for IEEE Signal Processing Letters, since August 2014.
- K. Alahari: Co-guest editor: Special Issue on "Higher Order Graphical Models in Computer Vision: Modelling, Inference & Learning", IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015 (in press)

9.1.3.2. Reviewer

The permanent members of the team reviewed numerous papers for numerous international journals in computer vision (IJCV, PAMI,CVIU), machine learning (JMLR, Machine Learning). Some of them are also reviewing for journals in optimization (SIAM Journal on Optimization), image processing (SIAM Imaging Science), information theory (IEEE Transactions on Information Theory), statistics (Bernoulli, Annals of Statistics, Journal of American Statistical Association).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Doctorat: Z. Harchaoui, Lecture *Large-scale machine learning*, in “Tutorial on Large-Scale Visual Recognition” at CVPR 2014.

Doctorat: K. Alahari, Half-day Tutorial on MAP Estimation and Structured Prediction at ICPR, Stockholm, August 2014.

Doctorat: J. Mairal, course “Sparse estimation for image and vision processing”, 9H eqTD, DENIS summer school at Tampere university, Finland;

Doctorat: J. Mairal, course “Sparse estimation for image and vision processing”, 4.5H eqTD, given at PSL research university, Paris, France.

Master : M. Douze and K. Alahari. Multimedia databases, 3rd year ENSIMAG, Grenoble, France.

Master : J. Verbeek and J. Mairal, “Kernel Methods for Statistical Learning, 27H eqTD, M2, ENSIMAG, Grenoble.

Master: J. Mairal. “Statistical Learning and Applications”. 13.5H eqTD, M2, Ecole Normale Supérieure de Lyon, France.

Master : C. Schmid, “Object recognition and computer vision”, 10H, M2, ENS Cachan, France.

Master : J. Verbeek and C. Schmid. “Machine Learning & Category Representation”, 27H eqTD, M2, Univ. Grenoble.

Master: P. Weinzaepfel, “Réseaux IP”, 18h TD, M1, University Joseph Fourier, Grenoble, France.

Master: P. Weinzaepfel, “Introduction aux Réseaux”, 15H TD, M1, University Joseph Fourier, Grenoble, France.

Licence : F. Pierucci, “Apprentissage du raisonnement, algèbre linéaire et analyse élémentaire.”. 38H, L1, Grenoble univ., France.

Licence : H. Lin, “Apprentissage du raisonnement, algèbre linéaire et analyse élémentaire.”. 38H, L1, Grenoble univ., France.

Licence: P. Weinzaepfel, “Introduction à UNIX et à la programmation en langage C”, 33.5H TD, L1, DLST Grenoble, France.

9.2.2. Supervision

PhD: G. Cinbis, “Fisher kernel based models for image classification and object localization”, Grenoble Univ, July 2014, advisors: C. Schmid and J. Verbeek.

PhD: Z. Akata, “Contributions to Large-Scale Learning for Image Classification”, Grenoble Univ, January 2014, advisors: C. Schmid and F. Perronnin.

9.2.3. Juries

- C. Schmid, PhD committee for Mihir Jain, Inria Rennes, April 2014.
- C. Schmid, PhD committee for Mingyuan JIU, INSA Lyon, April 2014.
- C. Schmid, examiner for HdR Josef Sivic, ENS, February 2014.
- J. Mairal, PhD committee for Nicolas Duforet-Frebourg, Grenoble University, October 2014.
- K. Alahari: President of the PhD committee for Jon Almazan, Computer Vision Center, Barcelona, Spain, October 2014.
- K. Alahari: PhD committee for Heydar Maboudi, KTH Royal Institute of Technology, Stockholm, Sweden, May 2014.

9.3. Other responsibilities

- C. Schmid was member of the evaluation panel for ERC starting grants, 2014.
- C. Schmid is member of the PAMI-TC awards committee, and the PAMI-TC executive committee.
- J. Verbeek: reviewer for grant proposals for the Indo French Centre for the Promotion of Advanced Research (CEFIPRA).
- Z. Harchaoui is in the scientific board of area “Machine Learning” of GDR ISIS (Groupe de Recherche “Information, Signal, Image et ViSion”).
- J. Mairal: reviewer for grant proposals from ANR and ERC.

9.4. Invited presentations

9.4.1. Keynote talks

- C. Schmid: Keynote speaker at Annual Workshop of the Austrian Association for Pattern Recognition, IST Austria, May 2014.
- C. Schmid: Keynote speaker at Netherlands Conference on Computer Vision, April 2014.

9.4.2. Invited talks

- Z. Harchaoui: Seminar, Microsoft Research, New York, April 2014.
- Z. Harchaoui: Seminar, Newton Institute, Cambridge, January 2014.
- Z. Harchaoui: Seminar, CBLL, NYU, April 2014.
- C. Schmid: Invited speaker at First French-German Mathematical Image Analysis Conference, Paris, January 2014.
- C. Schmid: Seminar at Univ. Edinburgh, July 2014.
- C. Schmid: Seminar at MPI, Tübingen, April 2014.
- J. Verbeek: Invited speaker at the Croatian Computer Vision Workshop, Zagreb, 2014.
- J. Mairal: invited speaker in mini-symposium at SIAM conference on Optimization, San Diego, 2014.
- J. Mairal: invited speaker at Journées BIG Data, Toulouse, 2014.

- J. Mairal: invited speaker at Journées MAS, Toulouse, 2014.
- K. Alahari: Seminar, Computer Vision Center (CVC), Barcelona, Spain, October 2014.
- K. Alahari: Seminar, University of California, Berkeley, USA, July 2014.
- K. Alahari: Invited speaker, Tutorial on Learning and Inference in Discrete Graphical Models, CVPR, Columbus, USA, June 2014.
- K. Alahari: Seminar, KTH Royal Institute of Technology, Stockholm, Sweden, May 2014.
- A. Cherian: Seminar at Yahoo Labs, Bangalore, India, April 2014.
- A. Cherian: Seminar at Siemens Corporate Research, Princeton, NJ, USA, June 2014.
- P. Weinzaepfel: Seminar at UC Berkeley, December, 2014.

9.5. Popularization

- Zaid Harchaoui and Martin Jaggi published in the Mathematical Optimization Society newsletter “Optima” an interview of Marguerite Frank, co-inventor of the Frank-Wolfe algorithm for constrained optimization, with a companion historical survey.
- Julien Mairal, Francis Bach, and Jean Ponce have published a monograph [24] “Sparse Modeling for Image and Vision Processing”, to appear in Foundations and Trends in Computer Graphics and Vision.
- Together with other students in LJK, Mattis Paulin did an interview of Emmanuel Candes for his award of the Prix Jean Kuntzmann in June 2014. The interview will soon be published in Journal du CNRS.

LINKMEDIA Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, Scientific chair

Vincent Claveau was co-chair of the demonstration track at the Conf. Extraction et Gestion de Connaissances.

Guillaume Gravier is president of the steering committee of the ISCA/IEEE Workshop on Speech, Language and Audio in Multimedia series.

Patrick Gros is member of the steering board of the Content-Based Multimedia Indexing workshop series.

Pascale Sébillot is a member of the permanent steering committee of Conf. francophone en Traitement Automatique des Langues Naturelles.

Pascale Sébillot was a member of the steering committee of Conf. on Recherche d'Information et Applications.

9.1.1.2. Member of the organizing committee

Laurent Amsaleg and Li Weng organized a two-morning seminar on large-scale indexing at Irisa / Inria Rennes.

Andrei Bursuc and Hervé Jégou organized a micro-workshop in computer vision at Irisa / Inria Rennes.

Vincent Claveau was member of the organizing committee of the Conf. Extraction et Gestion de Connaissances.

Vincent Claveau, as ARIA financial head, participated in the financial organization of the Conférence en Recherche d'Information et Applications.

Vincent Claveau, as ARIA financial head, participated in the financial organization of the École d'été en Recherche d'Information et Applications.

Vincent Claveau was co-organizer and co-chair of a round table held during the Conf. francophone en Traitement automatique des langues naturelles.

9.1.2. Scientific events selection

9.1.2.1. Responsibility in conference program committee

Vincent Claveau was area chair at the Conf. francophone en Traitement Automatique des Langues Naturelles.

Guillaume Gravier was president of the program committee for Journées d'Études sur la Parole.

Guillaume Gravier was president of the program committee for ISCA/IEEE Workshop on Speech, Language and Multimedia.

Hervé Jégou was area chair for European Conf. on Computer Vision.

9.1.2.2. Membership of conference program committee

Laurent Amsaleg was a PC member of: Intl. Workshop on Content-Based Multimedia Indexing; IEEE Intl. Conf. on Multimedia and Expo; Intl. Conf. on MultiMedia Modeling; Intl. Conf. on Signal Image Technology and Internet Systems.

Vincent Claveau was a PC member of: Conférence en Recherche d'Information et Applications; IEEE/WIC/ACM Intl. Conf. on Web Intelligence.

Teddy Furon was a PC member of: IEEE Workshop on Information Forensics and Security.

Guillaume Gravier was a PC member of: ACM Intl. Conf. on Multimedia; Intl. Workshop on Content-Based Multimedia Indexing; Intl. Congress on Image and Signal Processing; Intl. Conf. on Computational Linguistics, Demo track; IEEE Intl. Conf. on Multimedia and Expo; ACM Intl. Conf. on Multimedia Information Retrieval; Annual Conf. of the Intl. Speech Communication Association; IEEE Intl. Workshop on Multimedia Signal Processing; Intl. Conf. on Language Resources and Evaluation.

Patrick Gros was a PC member of: Intl. Conf. on Creative Content Technologies; Conférence de Recherche d'information et Applications; European Signal Processing Conf.; International Symposium on Multimedia; Conf. on Machine Learning and Data Mining; Reconnaissance des Formes et Intelligence Artificielle.

Hervé Jégou was a PC member of: Computer Vision and Pattern Recognition; British Machine Vision Conf.; ACM Intl. Conf. on Multimedia Information Retrieval.

Ewa Kijak was a PC member of: Intl. Workshop on Content-Based Multimedia Indexing.

Christian Raymond was a PC member of: Annual Conf. of the Intl. Speech Communication Association; Intl. Conf. on Machine Learning and Applications.

Pascale Sébillot was a PC member of: Workshop on Distributional Semantics; Colloque Intl. Francophone sur l'Écrit et le Document; Congrès National de Reconnaissance des Formes et Intelligence Artificielle; Intl. Conf. on Language Resources and Evaluation.

9.1.2.3. Reviewer

Laurent Amsaleg reviewed projects for the Agence National de la Recherche.

Guillaume Gravier reviewed projects for the Agence National de la Recherche.

Christian Raymond reviewed for Conférence Traitement Automatique du Langage Naturel, Journées d'Étude sur la Parole,

9.1.3. Journal

9.1.3.1. Member of the editorial board

Vincent Claveau is member of the editorial committee of: Journal Traitement Automatique des Langues; Special issue of the Journal I3.

Teddy Furon is associate editor of IEEE Transactions on Information Forensics and Security

Hervé Jégou is associate editor of Computer Vision and Image Understanding

Christian Raymond is member of the editorial board of Revue Discours.

Pascale Sébillot is: editor of the Journal Traitement Automatique des Langues; member of the editorial committee of the Journal Traitement Automatique des Langues.

9.1.3.2. Reviewer

Laurent Amsaleg reviewed for Multimedia Tools and Applications, Mathematical Problems in Engineering.

Vincent Claveau was member of the reading committee for Multimedia Tools and Applications, for several issues of the Journal Traitement Automatique des Langues, for a special issue in Journal Documents Numériques

Teddy Furon reviewed for IEEE Trans. on Audio Speech and Language processing, IEEE Trans. on Information Forensics and Security, Elsevier Designs, Codes, and Cryptography journal, EURASIP Journal on Information Security.

Guillaume Gravier reviewed for IEEE Trans. on Audio Speech and Language, IEEE Transactions on Circuits and Systems for Video Technology, Intl. Journal of Multimedia Information Retrieval, Journal of Computer Science and Technology, Multimedia Tools and Applications, Traitement Automatique des Langues.

Hervé Jégou reviewed for IEEE Trans. Pattern Analysis and Machine Intelligence, IEEE Trans. Robotics, Computer Vision and Image Understanding.

Ewa Kijak reviewed for IEEE Transactions on Image Processing, Intl. Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Journal of Applied Remote Sensing.

Pascale Sébillot was member of the reading committee for several issues of the Journal *Traitement Automatique des Langues*.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

- Master: Laurent Amsaleg, High-dimensional indexing, 13h, M2R, University Rennes 1, France
- Master: Vincent Claveau, Data-Based Knowledge Acquisition: Symbolic Methods, 20h, M1, INSA de Rennes, France
- Master: Vincent Claveau, Text Mining, 36h, M2, Univ. Rennes 1, France
- Master: Vincent Claveau, Machine Learning for symbolic and sequential data, 7h, M2, Univ. Rennes 1, France
- Master: Vincent Claveau, Information Retrieval, 15h, M2, ENSSAT, France
- Master: Vincent Claveau, Information Retrieval, 13h, M2, Univ. Rennes 1, France
- Licence: Teddy Furon, Probabilities, 40h, L1, Agrocampus Rennes, France
- Licence: Guillaume Gravier, Databases, 30h, L2, INSA Rennes, France
- Licence: Guillaume Gravier, C Programming, 10h, L3, INSA Rennes, France
- Master: Guillaume Gravier, Data analysis and probabilistic modeling, 30h, M2, University Rennes 1, France
- Master: Patrick Gros, Workshop on Mathematics, 12h, M2, Univ. Rennes 1, France
- Master: Ewa Kijak, Image analysis and classification, 30h, M1, ESIR, France
- Master: Ewa Kijak, Image processing, 64h, M1, ESIR, France
- Master: Ewa Kijak, Supervised learning, 15h, M2R, University Rennes 1, France
- Master: Ewa Kijak, Statistical data mining, 17h, M2, University Rennes 1, France
- Master: Ewa Kijak, Indexing and multimedia databases, 15h, M2, ENSSAT, France
- Master: Ewa Kijak, Computer vision, 8h, M2, ESIR, France
- Master: Ewa Kijak, Automatic video summarization, Project with Technicolor, 15h, M2, ESIR, France
- Master: Pascale Sébillot, Advanced Databases and Modern Information Systems, 70h, M2, INSA de Rennes, France
- Master: Pascale Sébillot, Data-Based Knowledge Acquisition: Symbolic Methods, 18h, M1, INSA de Rennes, France
- Master: Pascale Sébillot, Logic Programming, 12h, M1, INSA de Rennes, France

9.2.2. Supervision

- HdR: Laurent Amsaleg, A Database Perspective on Large Scale High-Dimensional Indexing, Université de Rennes 1, defended on November 2014
- HdR: Hervé Jégou, On visual recognition and similarity search, Université de Rennes 1, defended on October, 2014
- PhD: Mihir Jain, Enhanced image and video representation for visual recognition, Université de Rennes 1, defended on April, 2014, Hervé Jégou, Patrick Bouthemy and Patrick Gros
- PhD in progress: Abir Ncibi, Structuring TV steams, started November 2011, Vincent Claveau and Patrick Gros
- PhD in progress: Mohammed-Haykel Boukadida, Video summarization based on constraint programming, started January 2012, Patrick Gros

PhD in progress: Petra Bosilj, Content based image indexing and retrieval using hierarchical image representations, started October 2012, Ewa Kijak and Sebastien Lefèvre (with OBELIX, IRISA team)

PhD in progress: Bingqing Qu, Structure discovery in collections of recurrent TV programs, started Oct. 2012, Guillaume Gravier

PhD in progress: Anca Roxana Simon, Hierarchical semantic structuring of video collections, started October 2012, Guillaume Gravier and Pascale Sébillot

PhD in progress: Raghavendran Balu, Privacy-preserving data aggregation and service personalization using highly-scalable data indexing techniques, started Oct. 2013, Teddy Furon and Laurent Amsaleg

PhD in progress: Raheel Kareem Qader, Phonology modeling for emotional speech synthesis, started January 2014, Gwénolé Lecorvé and Pascale Sébillot (with EXPRESSION, IRISA Team)

PhD in progress: Rémi Bois, Navigable directed multimedia hypergraphs: construction and exploitation, started October 2014, Guillaume Gravier and Pascale Sébillot

PhD in progress: Ahmet Iscen, Continuous memories for representing sets of vectors and image collections, started September 2014, Hervé Jégou and Teddy Furon

PhD in progress: Grégoire Jadi, Opinion mining in multimedia data, started October 2014, Vincent Claveau, Béatrice Daille (LINA, Nantes) and Laura Monceaux (LINA, Nantes)

PhD in progress: Vedran Vukotič, Deep neural architectures for automatic representation learning from multimedia multimodal data, started October 2014, Guillaume Gravier and Christian Raymond

9.2.3. *Juries*

Vincent Claveau

PhD, K. Abdulahhad, LIG - Univ. Joseph Fourier, Grenoble

PhD, M. Dupuch, INSERM, Paris

PhD, R. Harastani, LINA - Univ. de Nantes

Teddy Furon

HDR, Patrick Bas, Université de Lille

PhD, reviewer, Antonino Simone, University of Eindhoven

PhD, Farzad Farhadzadeh, Université de Genève

Guillaume Gravier

PhD, Alberto Pimentel, Universidade Federal de Minas Gerais

PhD, Nadia Derbas, reviewer, Université de Grenoble

Patrick Gros

HDR, reviewer, Sid-Ahmed Berrani, Univ. Rennes 1

PhD, Mohammed Derbel, Univ of Tours

Pascale Sébillot

HDR, reviewer and president, Xavier Tannier, Paris-Sud university

PhD, president, Guiyao Ke, South-Brittany university

PhD, president, Mohamed Hatmi, Nantes university

9.3. Community animation

Vincent Claveau is treasurer of the Association pour la Recherche d'Information et Applications.

Vincent Claveau is deputy head of the GDR MADICS.

Guillaume Gravier is president of the Association Francophone de la Communication Parlée.

Guillaume Gravier is co-founder and general chair of the ISCA SIG Speech, Language and Audio in Multimedia.

Guillaume Gravier is member of the Community Council of the Mediaeval Multimedia Evaluation series.

Pascale Sébillot is a member of the Conseil National des Universités.

9.4. Popularization

Laurent Amsaleg. Lettre d'information Émergence, issue 32, 11/07/2014, "Un outil pour fouiller plus vite les disques durs saisis".

Laurent Amsaleg. Sciences Ouest, issue 324, October 2014, "Ils repèrent les contenus illicites".

Vincent Claveau co-organized and co-animated a round table held during the TALN conference about the evolution of NLP, from the points of view of education, research and industry.

Hervé Jégou was invited panelist at Intl. Conf. on Multimedia Retrieval, April 2014.

Hervé Jégou gave an invited tutorial on large-scale image search at Intl. Conf. on Multimedia Retrieval, April 2014.

Hervé Jégou gave a tutorial on efficient matching at Conf. on Computer Vision and Pattern Recognition, June 2014.

Hervé Jégou was invited speaker at Conf. on Computer Vision and Pattern Recognition, June 2014.

Pascale Sébillot: Invited speaker (3h) NLP tackling large volumes of potentially damaged textual data: what is different?, IST Inria seminar on "Big data: new information partitions", October 2014.

MAGRIT Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events selection

9.1.1.1. Organizing committee membership

M.-O. Berger was chair of the French conference on pattern recognition RFIA 2014.

9.1.1.2. Conference program committee membership

- M.-O. Berger was member of the program committee of the following conferences: International Conference on Medical Image Computing and Computer Assisted Intervention: MICCAI 2014, ICPR 2014, ISMAR 2014.
- Erwan Kerrien was a member of the program committee of MICCAI 2014 and of the International Symposium on Biomedical Simulation (ISBMS'14).
- G. Simon was a member of the program committee of ISMAR 2014 and Eurographics 2014.
- P.-F. Villard was a member of the program committee of MICCAI 2014 and of the International Symposium on Biomedical Simulation (ISBMS'14).

9.1.2. Journal

9.1.2.1. reviewer

The members of the team reviewed articles for Computers & Graphics (Elsevier), The Visual Computer (Springer), Medical Images Analysis (Elsevier), IEEE Transactions on Visualization and Computer Graphics, Journal on Imaging Sciences (SIAM), Journal of Electronic Imaging (IS&T / SPIE), Axioms (MDPI), Experimental Mechanics (SEM), Transactions on Pattern Analysis and Machine Intelligence (IEEE), Optics and Lasers in Engineering (Elsevier).

9.1.3. Invited Conferences

Pierre-Frédéric Villard was invited to give a talk entitled "Respiration Simulation : Application in Treatment Planning, Training Simulators and On-Line Treatment" during the CIM Workshop on Mathematics and Medicine, November 6-7, 2014, Uppsala, Sweden <http://www.math.uu.se/cim/seminarier-och-aktiviteter/cim-workshop-2014/>.

9.1.4. Other review

E Kerrien was reviewer for one COFECUB project.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

The four associate professors of the MAGRIT team actively teach at Université de Lorraine with an annual number of around 200 teaching hours in computer sciences, some of them being accomplished in the field of image processing. Inria researchers have punctual teaching activities in computer vision and shape recognition mainly in the computer science Master of Nancy and in several Engineering Schools near Nancy (ENSMN Nancy, SUPELEC Metz, ENSG). Our goal is to attract Master students with good skills in applied mathematics towards the field of computer vision. The list of courses given by staff members which are tightly related to image processing and computer vision is detailed below:

- Licence: Graphic and haptic rendering, 30h, IUT Saint-Dié des Vosges.

- Licence: Image processing, 30h, IUT Saint-Dié des Vosges.
- Licence: 3D programming, 30h, IUT Saint-Dié des Vosges.
- Licence : Geometry, 30h, École Nationale Supérieure d'Architecture de Nancy.
- Master: Signal analysis, 50 h, Université de Lorraine.
- Master: Augmented reality, 24 h, Télécom-Nancy, Université de Lorraine.
- Master : Introduction to computer vision, 12h, Université de Lorraine.
- Master : Shape recognition, 15 h, Université de Lorraine.
- Master : Computer vision: foundations and applications, 15 h, Université de Lorraine.
- Master : Introduction to image processing, 21 h, École des Mines de Nancy
- Master : Image processing for Geosciences, ENSG, 12h.
- Master : Introduction to signal processing and applications, 21 h, Ecole des Mines de Nancy
- Master : Augmented reality, 3 h, SUPELEC Metz.
- Inter University Degree: Medical robotics, 1 h, CHU Nancy Univ. Hospital.

9.2.2. Supervision

PhD: Ahmed Yureidini, Modélisation implicite des vaisseaux sanguins pour la simulation interactive d'actes de radiologie interventionnelle, defended on mai 2014, Erwan Kerrien, Stéphane Cotin (SHACRA, Lille).

PhD in progress: Nazim Haouchine, Modèles physiques pour la réalité augmentée des organes déformables, janvier 2012, Marie-Odile Berger, Stéphane Cotin (SHACRA, Lille).

PhD in progress: Pierre Rolin, Calcul de pose par simulation de points de vue pour la réalité augmentée, octobre 2013, Marie-Odile Berger, Frédéric Sur.

PhD in progress: Charlotte Delmas, Reconstruction 3D des outils chirurgicaux en radiologie interventionnelle, avril 2013, Marie-Odile Berger, Erwan Kerrien.

PhD in progress: Antoine Fond, Introduction de sémantique dans la modélisation urbaine dans un contexte de calcul du point de vue, octobre 2014, Marie-Odile Berger, Gilles Simon.

9.2.3. Juries

Marie-Odile Berger was external reviewer of the PhD of D. Larnaout and L. Younes.

9.3. Popularization

Members of the team participate on a regular basis, to scientific awareness and mediation actions. Erwan Kerrien heads the local Scientific Mediation Committee. He also serves as the academic referent of an IREM⁰ working group aiming at introducing computer science in secondary and high school curricula. Among other activities, he was also an associate researcher to a MATH.en.JEANS workshop.

⁰Institut de Recherche sur l'Enseignement des Mathématiques - *Research Institute for Teaching Mathematics*

MORPHEO Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events selection

9.1.1.1. Member of the conference program committee

- Edmond Boyer was area chair for BMVC, ICPR and RFIA.

9.1.1.2. Reviewer

- Edmond Boyer has reviewed for: CVPR, ECCV, 3DV, ACCV, CVMP, ORASIS
- Jean-Sébastien Franco has reviewed for: CVPR 2014, ECCV 2014, 3DV 2014.
- Franck Hétroy-Wheeler has reviewed for SIGGRAPH Asia (course).
- Lionel Reveret has reviewed for: ACM SIGGRAPH, Eurographics, BMVC, Pacific Graphics (committee member), Motion in Games (committee member).

9.1.2. Journal

9.1.2.1. Member of the editorial board

- Edmond Boyer is associate editor of IJCV.

9.1.2.2. Reviewer

- Edmond Boyer has reviewed for: Eurographics, IEEE PAMI.
- Jean-Sébastien Franco has reviewed for: PAMI, Refig.
- Franck Hétroy-Wheeler has reviewed for: IJCV, Graphical Models, ReFIG.
- Lionel Reveret has reviewed for: ACM Transactions on Graphics, Computer Graphics Forum.

9.1.3. Invited talks

- Edmond Boyer gave invited talks at: MPI Tubingen, AC3D'14 conference, Gratz University, Reims Image conference.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence: J.S. Franco, Algorithmics, 60h, Ensimag 1st year, Grenoble INP

License: J.S. Franco, C Project, 30h, Ensimag 1st year, Grenoble INP

Master: J.S. Franco, End of study project (PFE) Project Tutoring, 18h, Ensimag 2nd year, Grenoble INP

Master: J.S. Franco, Projet de Spécialité - Project Tutoring, 14h, Ensimag 2nd year, Grenoble INP

Master: J.S. Franco, 3D Graphics, 50h, Ensimag 2nd year, Grenoble INP

Master: J.S. Franco, Modelisation et programmation C++, 9h, Ensimag 2nd year, Grenoble INP

Master: J.S. Franco, Introduction to Computer Vision, 27h, Ensimag 1st year, Grenoble INP

Master: J.S. Franco, co-responsability of the Graphics, Vision, Robotics specialty of the Mosig Masters program, Second year Masters, Grenoble INP, Université Joseph Fourier

Master: Edmond Boyer, 3D Modeling, 9h, M2R GVR, Université Joseph Fourier Grenoble, France.

Master: Edmond Boyer, projet de programmation, 30h, M1 informatique - M1 MoSig, Université Joseph Fourier Grenoble, France.

Master: Edmond Boyer, Introduction to Image Analysis, 15h, M1 MoSig, Université Joseph Fourier Grenoble, France.

9.2.2. Supervision

PhD in progress : Benjamin Allain, Geometry and Appearance Analysis of Deformable 3D shapes, Université de Grenoble, started 01/10/2012, supervised by J.S. Franco and E. Boyer.

PhD in progress: Adnane Boukhayma, 4D model synthesis, Université de Grenoble, started 01/10/2013, supervised by Edmond Boyer.

PhD in progress: Georges Nader, Evaluation de la qualité perceptuelle de maillages dynamiques et ses applications, Université Claude Bernard - Lyon 1, started 01/10/2013, supervised by Florent Dupont, Kai Wang and Franck Hétroy-Wheeler.

PhD in progress: Li Wang, Transport optimal pour l'analyse de formes en mouvement, Université de Grenoble, started 01/10/2013, supervised by Edmond Boyer and Franck Hétroy-Wheeler.

PhD in progress : Vagia Tsiminaki, Appearance Modelling and Time Refinement in 3D Videos, Université de Grenoble, started 01/10/2012, supervised by J.S. Franco and E. Boyer.

9.2.3. Juries

- Edmond Boyer was reviewer of two PhD thesis (Rim Slama, Lille University, Christian Reinbacher Graz University) and president of one PhD committee (Eva Mavridou, Grenoble University).

9.3. Popularization

- Franck Hétroy-Wheeler gave a talk to high school math teachers entitled: "Digital geometry: from real to virtual worlds". This talk has then been adapted and given to a 11th grade class.

PERCEPTION Project-Team

7. Dissemination

7.1. Promoting Scientific Activities

7.1.1. Journals

Radu Horaud is a member of the following editorial boards:

- advisory board member of the *International Journal of Robotics Research*, Sage,
- associate editor of the *International Journal of Computer Vision*, Kluwer, and
- area editor of *Computer Vision and Image Understanding*, Elsevier.

PRIMA Project-Team

8. Dissemination

8.1. Promoting Scientific Activities

8.1.1. Scientific events organisation

8.1.1.1. Member of the organizing committee

- Sabine Coquillart is member of the organizing committee and co-chair of the Program Committee for GRAPP 2014 Lisbon, Portugal.
- Sabine Coquillart is member of the organizing committee for IEEE VR 2015, Arles, France

8.1.1.2. Member of the conference program committee

- James Crowley: Ubicomp 2014.
- Sabine Coquillart: 3DCVE 2014, GRAPP 2014, IEEE 3DUI 2014, IEEE VR 2014, ISVC 2014, SVR 2014-13-12-11-10, VRST 2014-13, WSCG 2014.
- Thierry Fraichard: Associate Editor for ICRA 2014 and IROS 2014.

8.1.1.3. Reviewer

- James Crowley: Ubicomp 2014, ICPR 2014, CVPR 2014, IE 2014, ICRA 2014.
- Sabine Coquillart: 3DCVE 2014, GRAPP 2014, IEEE 3DUI 2014, IEEE VR 2014, ISVC 2014, SVR 2014-13-12-11-10, VRST 2014-13, WSCG 2014.
- Thierry Fraichard: IROS 2014.
- Patrick Reignier: IUI 2014, ROMAN 2014, UCAMl 2014,
- Dominique Vaufreydaz: MTEL 2014, UBICOMM 2014, ROMAN 2014], Workshop on Assistance and Service Robotics in a Human Environment at IROS 2014, WUSPE2013

8.1.2. Journal

8.1.2.1. Member of the editorial board

- Dominique Vaufreydaz: International Journal On Advances in Internet Technology 2014, Journal of Robotics and Autonomous Systems, special issue: Assistive Robotics

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

8.2.1.1. James Crowley

- Computer Vision, Course 24h EqTD, M2 year, Master of Science in Informatics at Grenoble,
- Intelligent Systems, Cours 54h EqTD, ENSIMAG.

James Crowley is Director Master of Science in Informatics at Grenoble.

8.2.1.2. Sabine Coquillart

- Sabine Coquillart teaches a course on Virtual Reality and 3D User Interfaces for the GVR Master 2R, 2013-2014.
- Sabine Coquillart teaches a one day course on 3D User Interfaces and Augmented Reality for the Numerical Modeling and Virtual Reality Master 2 in Laval, 2013-2014.

8.2.1.3. Thierry Fraichard

Master: Thierry Fraichard, Introduction to Perception and Robotics, 23h eqTD, M1 MOSIG, Univ. of Grenoble, France.

Master: Thierry Fraichard, Motion in Dynamic Workspaces, 2h eqTD, Computer Science Master, Bar Ilan Univ., Israel.

Co-responsibility of the Graphic, Vision and Robotics track of the international MOSIG Master programme.

8.2.1.4. Patrick Reignier

Master: Patrick Reignier, Projet Génie Logiciel, 55h eqTD, M1, ENSIMAG/Grenoble INP, France.

Master : Patrick Reignier, Développement d'applications communicantes, 18h eqTD, M2, ENSIMAG/Grenoble - INP, France

Master : Patrick Reignier, Introduction aux applications réseaux, 18h eqTD, M2, ENSIMAG/Grenoble - INP, France

Master: Patrick Reignier, Programmation Internet, 18h eqTD, M1, ENSIMAG/Grenoble INP, France

Master : Patrick Reignier, Algorithmique, 50h eq TD, M1, ENSIMAG/Grenoble INP, France

Licence: Patrick Reignier, Projet C, 20h eqTD, L3, ENSIMAG/Grenoble INP, France.

Patrick Reignier is supervising the industrial part of the "formation en apprentissage" of the ENSIMAG engineering school.

8.2.2. Supervision

8.2.2.1. PhD defended in 2014

- Julian Quiroga, "Scene Flow from RGBD Images", Thèse doctorale de l'Université de Grenoble, 7 November 2014, Directed by Frederic Devernay and James L. Crowley
- Evanthia Mavridou, "Robust Image Description Using the Laplacian Profile and Radial Fourier Transform", Thèse doctorale de l'Université de Grenoble, 25 November 2014, directed by James L. Crowley and Augustin Lux.
- Dimitri Mason, "Inspirez ! Explorez ! Soutien à la créativité en conception d'interfaces homme-machine", Thèse doctorale de l'Université de Grenoble, 25 Sept 2014, Directed by Alexandre Demeure and Gaelle Calvary.

8.2.2.2. Current Doctoral Students

- Varun Jain, Perception of Human Emotions, University of Grenoble, expected March 2015, James Crowley
- Sergi Pujades-Rocamora, Modeles de cameras et algorithmes pour la creation de contenu video 3D, expected fall 2015, Remi Ronfard (HDR) et Frederic Devernay
- Etienne Balit, Multimodalite et interaction sociale, University of Grenoble, expected Fall 2016, Patrick Reignier (Professor), Dominique Vaufreydaz.
- Viet Cuong Ta, Multiple Users localization in public large-scale space, University of Grenoble, expected Fall 2016, Eric Castelli (HDR, Mica laboratory Hanoi, Vietnam), Dominique Vaufreydaz.

- Remi Paulin, Human-Robot Motion, University of Grenoble, expected Fall 2016, Thierry Fraichard (HDR).
- Chen Jingtao, Doctoral student of University of Grenoble, expected 2017, directed by S. Coquillard
- Grégoire Nieto, Doctoral student of University of Grenoble, expected 2017, directed by F. Devernay
- Romain Bréquier, Doctoral student of University of Grenoble, expected 2017, directed by F. Devernay
- J. L. Crowley Alberto Quintero Delgado, Doctoral student of University of Grenoble, expected 2017, directed by F. Devernay

8.2.3. Juries

Thierry Fraichard served as an jury member for the PhD of Jean Gregoire from Ecole Nationale Supérieure des Mines de Paris, "Priority-Based Coordination of Mobile Robots", and for the PhD of Helene Vorobieva from Université d'Evry, "Conception et methode de validation des lois de controle pour des systemes de conduite automatisee du vehicule".

James L. Crowley served on the following doctoral and Habilitation Juries:

- Président, Thesis Jury of Arturo ESCOBEDO, Thèse Doctorale Université de Grenoble, Oct 2014
- Président, Thesis Jury of Simon COURTEMANCHE, Thèse Doctorale Université de Grenoble, Oct 2014
- Président, Thesis Jury of Yann LAURILLAU, Habilitation, Université de Grenoble, Nov 2014
- Président, Thesis Jury of Vineet GANDHI, Thèse Doctorale Université de Grenoble, Dec 2014

Patrick Reignier served on the following doctoral Juries:

- Member doctoral jury of Aysha Kashif, Thèse Doctorale Université de Grenoble, Jan 2014
- Reporter doctoral jury of Olfa Mabrouk University Paris Est Créteil, Nov 2014

Sabine Coquillard served on the following doctoral juries:

- Member doctoral jury of Thi Thong Huyen NGUYEN, INSA Rennes. Nov. 2014
- Member doctoral jury of Reporter doctoral jury of Jérôme Ardouin, INSA Rennes, Dec. 2014

8.3. Popularization

- James Crowley participated in the Radio emission Science Publique presented by Michel Alberganti on Radio France Culture on Friday 21 February from 14h00 to 15h00. Theme of the program: "Should we fear intelligent robots?"
- Patrick Reignier was interviewed by a journalist of Science et Vie for a paper on Artificial Intelligence

SIROCCO Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organization

9.1.1.1. Member of the organizing committee

- C. Guillemot has been keynote chair of IEEE-ICIP 2014 and area chair of Eusipco 2014.
- C. Guillemot is member of the IEEE IVMSIP technical committee.
- C. Guillemot is member of the award committee of the Eurasip Image communication journal.
- C. Guillemot is member of the committee in charge of the IEEE Brillouin-Glavieux award.
- C. Labit is member of the GRETSI association board.
- C. Labit has been president of the organization committee of 2013 Grets-EEA Signal-Image-Vision thesis prize
- A. Roumy is member of the GRETSI association board.
- A. Roumy is local liaison officer for Eurasip.

9.1.2. Scientific events selection

9.1.2.1. Member of the conference programme committee

- C. Guillemot has been a member of technical program committees of international conferences of the field (EUSIPCO 2014, IEEE-ICIP 2014, EUVIP-2014).
- O. Le Meur has been a member of the technical program committees of the international conferences DICTA 2014, QoMex 2014, EUVIP 2014, ICME 2014.
- O. Le Meur co-organized a special session on Visual saliency: emerging models and applications in multimedia processing? at ICME 2014.

9.1.3. Journal

- C. Guillemot is associate editor of the Eurasip International Journal on Image Communication.
- C. Guillemot is associate editor of the IEEE Trans. on Image Processing.
- C. Guillemot is associate editor of the International Journal on Mathematical Imaging and Vision.
- C. Guillemot is senior member of the editorial board of the IEEE Journal on selected topics in signal processing.

9.1.4. Scientific animation

- C. Guillemot is member of the Selection and Evaluation Committee of the “Pôle de Compétitivité” Images and Networks of the Region of Ouest of France.
- C. Guillemot is member as scientific expert of the CCRRDT (Regional Committee of Research and Technological Development) of the Brittany region.
- C. Guillemot is member of the “bureau du Comité des Projets” as well as of the “commission personnels” in charge of the postdoc and delegation recruitments.
- C. Labit is the Vice-president of the Scientific Board, in charge of Research and Innovation, for the University of Rennes1 (since June 1st, 2008)
- C. Labit is president of the Rennes-Atalante Science Park and of the start-up incubator Emergys (since April, 2007).

- C. Labit is member of the ICT strategic steering committee (CPS-7) of the National Research Agency (ANR).
- A. Roumy is a member of the Selection and Evaluation Committee (CDT Commission Développement Technologique) for the Inria technological development grants.
- A. Roumy is titular member of the National Council of Universities (CNU section 61, 2012-2015).

9.2. Patents and Standardization

9.2.1. Patents

- Four patents have been filed jointly by Technicolor and Inria in the area of video analysis and compression.
- One patent has been filed jointly by Thomson Video Networks, Univ. Rennes 1 and Inria in the area of UHD HEVC-based video coding.

9.3. Teaching - Supervision - Juries

9.3.1. Teaching

Master: C. Guillemot, Image and video compression, 8 hours, M2 computer science, Univ. of Rennes 1, France.

Master: C. Guillemot, Image and video compression, 8 hours, M2 SISEA, Univ. of Rennes 1, France.

Master: O. Le Meur, Selective visual attention, 13 hours, M2, Univ. of Paris 8, France.

Master: O. Le Meur, Acquisition/Image Processing/Compression, 22 hours, M2 MITIC, Univ. of Rennes 1, France.

Master: A. Roumy, Magistère program, Information Theory, Computer science and telecommunications, 18 hours, Ecole Normale Supérieure de Cachan, Ker Lann campus, France.

Engineering degree: C. Guillemot, Video communication, 12 hours, Télécom Lille 1, Villeneuve-d'Ascq, France.

L1: L. Guillo, Programming, Univ. of Rennes 1, France.

Engineering degree: C. Labit, Entrepreneurship and innovation, 3 hours, ESIR, Rennes, France.

Engineer degree: O. Le Meur, Image Processing, video analysis and compression, 54 hours, ESIR2, Univ. of Rennes 1, France.

Engineer degree: O. Le Meur, Visual communication, 65 hours, ESIR3, Univ. of Rennes 1, France.

Engineering degree: A. Roumy, Image processing and numerical analysis, 51 hours, ECAM Rennes, France.

9.3.2. Invited Talks

- O. Le Meur gave a talk at UESTC (University of Electronic Science and Technology of China), School of Electronic Engineering, Chengdu, China. Prof. Bing ZENG and Prof. Hongliang LI. Title of the talk: exemplar-based inpainting methods, July 2014.
- O. Le Meur gave a talk at Sichuan University, Chengdu, China. Prof. Qionghua WANG. Title of the talk: exemplar-based inpainting methods, July 2014.
- O. Le Meur gave a talk at the National Research Group (GdR), Information Signal Image viSion (ISIS). Special session on visual attention. Title of the talk: Modelling the visual scanpath, 19th June 2014.

9.3.3. Supervision

PhD : M. Bevilacqua, Image and video super-resolution using neighbor embedding algorithms, Univ. of Rennes 1, defense on the 4th of June 2014, A. Roumy and C. Guillemot (contract with Alcatel/Lucent)

PhD : S. Cherigui, Techniques de codage d'images basees representations parcimonieuses de scenes et prediction spatiale multi-patches, University of Rennes 1, defense on the 18th of June 2014, C. Guillemot (contract with Technicolor)

PhD : M. Ebdelli, Video inpainting techniques : application to object removal and error concealment, Univ. of Rennes 1, defense on the 20th of June 2014, C. Guillemot and O. Le Meur.

PhD in progress : J. Aghaei Mazaheri, Sparse representations and dictionary learning for satellite image compression, Oct. 2011-Sept. 2014, C. Guillemot and C. Labit (contract with Astrium)

PhD in progress : M. Bevilacqua, Image and video super-resolution using neighbor embedding algorithms, Feb. 2011-Jan. 2014, A. Roumy and C. Guillemot (contract with Alcatel/Lucent)

PhD in progress : B. Huang, Video compression with generalized lifting, Apr. 2012-March 2015, C. Guillemot (Cifre contract with Orange)

PhD in progress : D. Khaustova, Objective evaluation of 3D video quality, Dec. 2011-Nov. 2014, O. Le Meur (Cifre contract with Orange)

PhD in progress : M. Alain, Spatio-temporal linear embedding for epitome-based video compression, Oct. 2012-Sept. 2015, C. Guillemot (Cifre contract with Technicolor)

PhD in progress : N. Dhollande, HEVC codec optimization based on content pre-analysis, Oct. 2012-Sept. 2015, O. Le Meur and C. Guillemot (Cifre contract with Thomson Video Networks)

PhD in progress : M. Le Pendu, HDR video compression, Dec. 2012-Nov. 2015, C. Guillemot (Cifre contract with Technicolor)

PhD in progress : Julio-Cesar Ferreira, multi-view super-resolution, Oct. 2013-March 2015, C. Guillemot, G. Carrijo, E. Da Silva (Co-tutelle with University of Uberlandia, Brazil).

PhD in progress: D. Gommelet, LDR-compatible HDR video compression, Oct. 2014- Sept. 2017, C. Guillemot and A. Roumy (Cifre contract with Envivio).

9.3.4. Juries

- C. Guillemot has been member (rapporteur) of the jury of the PhD committee of:
 - J.J. Micallef, Univ. of Malta, Jan. 2014
 - E. Mora, Telecom Paris Tech, Feb. 2014
 - Tuan Tran Thai, ISAE/Univ. of Toulouse, June 2014
- C. Guillemot has been member (president) of the jury of the PhD committee of:
 - E. Vidal, Univ. of valenciennes, Apr. 2014
 - W. Lu, INSA of Rennes, July 2014
- O. Le Meur has been member (as examiner) of the jury of the PhD committee of:
 - Hamed Rezazadegan Tavakoli, University of Oulu, Finland, 2014.
- A. Roumy has been member (as examiner) of the jury of the PhD committee of:
 - A. UNSAL, Eurecom Telecom ParisTech, Nov. 2014.

9.4. Popularization

- A. Roumy participated in the in-service training for teacher in Computer Science (Informatique et Science du Numérique (ISN), level bac -1 to bac+2) and gave a 3h course on video and image compression.
- As part of a seminar dedicated to teachers of secondary and preparatory schools, Laurent Guillo presented a possible use of Agility methods for pupils' projects and he animated the related workshop, ENS Rennes, October 2014.

STARS Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific Events Organisation

9.1.1.1. General chair, scientific chair

François Brémond was organizer of a PANORAMA (see section 8.2.1.2) special session, part of VISAPP Lisbon, Portugal, 5-8 January 2014.

9.1.1.2. Member of the organizing committee

François Brémond was a member of the Management Committee and COST Action IC1307 in 2014.

Guillaume Charpiat organized a weekly computer vision student seminar ⁰ in Sophia-Antipolis (about 40 participants).

9.1.2. Scientific Events Selection

9.1.2.1. Member of the conference program committee

Jean-Paul Rigault is a member of the *Association Internationale pour les Technologies à Objets* (AITO) which organizes international conferences such as ECOOP.

François Brémond was program committee member of the conferences and workshops: IEEE Workshop on Applications of Computer Vision (WACV 2014).

François Brémond was program committee member of VS-Re-ID-2014, CAVAU 2014, PETS2014, ATC 2014 and the first International Conference on Cognitive Computing and Information Processing (CCIP-15) at JSSATEN.

François Brémond was area chair of AVSS'14.

9.1.2.2. Reviewer

Guillaume Charpiat reviewed for the conference CVPR (Computer Vision and Pattern Recognition).

Monique Thonnat reviewed for ICPR Conference.

François Brémond was reviewer for the conferences : CVPR2014, ECCV2014, Intelligent Vehicles 2014, VOT2014, CONTACT2014, ChaLearn2014, ACCV2014, WACV 2015.

9.1.3. Journal

9.1.3.1. Member of the editorial board

François Brémond was handling editor of the international journal "Machine Vision and Application".

9.1.3.2. Reviewer

Guillaume Charpiat reviewed for the journals IJCV (International Journal of Computer Vision), JMIV (Journal of Mathematical Imaging and Vision), CVIU (Computer Vision and Image Understanding), and TIP (Transactions on Image Processing).

Jean-Paul Rigault reviewed for the SoSym (Software and System Modeling) journal (Springer).

Monique Thonnat reviewed for Image and Vision Computing Journal.

François Brémond was reviewer for the International Journal of Neural Systems and for the IEEE Pervasive Computing.

⁰<http://www-sop.inria.fr/members/Guillaume.Charpiat/VisionSeminar/>

François Brémond was reviewer for the journal "IEEE Computing Now".

François Brémond was reviewer for the Pervasive and Mobile Computing Journal, ACM Multimedia and Society Journal, Journal of Healthcare Engineering, Sensors Journal, and for Health and Wellbeing Journal.

Sabine Moisan was reviewer for the Journal of Software Engineering for Robotics (JOSER) and for the Computer Science and Information Systems (ComSIS) International Journal.

9.1.4. Invited Talks

François Brémond was invited at the Dagstuhl Seminar "Robots Learning from Experiences", Germany, 17-21 February 2014.

François Brémond was invited to give a talk in VideoSense Summer School on Privacy-respecting video analytics in Eurecom premises in Sophia Antipolis on 17 April 2014.

François Brémond gave an invited talk at SMILE Lab on Activity recognition, Tainan Taiwan, May 2014.

Baptiste Fosty has participated to the 13th édition des Trophées de la Communication, Nice, June 2014.

François Brémond gave an invited talk at PETS on Tracking and surveillance, Seoul Korea, August 2014.

François Brémond was invited to give a talk at SAME, "Enabling the Cloud of THINGS", Sophia Antipolis, 2 October 2014.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Master : Annie Ressouche, Critical Software Verification and application to WComp Middleware, 20h, niveau (M2), Polytech Nice School of Nice University, FR and ESPRIT (Tunisia).

Jean-Paul Rigault is Full Professor of Computer Science at Polytech'Nice (University of Nice): courses on C++ (beginners and advanced), C, System Programming, Software Modeling.

9.2.2. Supervision

PhD: Piotr Bilinski, Gesture Recognition in Videos, 5th December 2014, François Brémond.

PhD: Ratnesh Kumar, Fiber-based segmentation of videos for activity recognition, 15th December 2014, Guillaume Charpiat and Monique Thonnat.

PhD in progress: Julien Badie, People tracking and video understanding, October 2011, François Brémond.

PhD in progress : Carolina Garate, Video Understanding for Group Behaviour Analysis, August 2011, François Brémond.

PhD in progress : Auriane Gros, Evaluation and Specific Management of Emotionnal Disturbances with Activity Recognition Systems for Alzheimer patient, François Brémond.

PhD in progress : Minh Khue Phan Tran, Man-machine interaction for older adults with dementia, May 2013, François Brémond.

PhD in progress : Michal Koperski, Detecting critical human activities using RGB/RGBD cameras in home environment, François Brémond.

PhD in progress : Thi Lan Anh Nguyen, Complex Activity Recognition from 3D sensors, François Brémond.

9.2.3. Juries

9.2.3.1. PhD, HDR

François Brémond was jury member of the following PhD and HDR theses:

PhD, Hajer Fradi, EURECOM, 28th January 2014.

PhD, Martin Hirzer, Graz University of Technology, Graz, Austria, March 2014.

Pre-PhD Effrosyni Doutsis, Nice University - I3S, 23 June 2014.

Pre-PhD Antoine Basset, Institut Curie, Paris, 8 July 2014.

PhD, Usman Niaz, EURECOM, Sophia Antipolis, 8 July 2014.

HDR, Thierry BOUWMANS, November 2014.

Jean-Paul Rigault was reviewer and jury president of the PhD of Nadezhda Baklanova, University of Toulouse, December 2014.

Guillaume Charpiat reviewed Eduardo Fernández-Moral's PhD thesis (Malaga University, Spain, September 2014).

9.2.3.2. Expertise

Jean-Paul Rigault was a member of the ISO Committee on the C++ language.

François Brémond was expert for the Proposal KIC Healthy Ageing (Innolife) Expert Group1: Independent living.

François Brémond was expert for EU European Reference Network for Critical Infrastructure Protection (ERNICIP) - Video Analytics and surveillance Group, at European Commission's Joint Research Centre in Brussels in August and October 2014.

François Brémond was expert for reviewing tutorial proposals for ICIP'14.

François Brémond participated to the expertise for NEM (New European Media) an EU ETP concerning media, creativity and content to provide future strategies for EU research funding under H2020.

François Brémond was expert for the committee selection for the tenure track, Mines School - ParisTech, June 2014.

9.3. Popularization

François Brémond was invited to give a talk at Conférence des métiers at International Lycée (CIV) in Sophia 27 January 2014.

François Brémond was interviewed by Nice Matin on CoBTeK and Alzheimer issues, Opening of ICP, 10 March 2014.

François Brémond was interviewed by Monaco TV on MONAA and Autism issues, 12 March 2014.

François Brémond has participated to the ERCIM News 98 -Special theme: Smart Cities, July, 2014.

Guillaume Charpiat was part of the popularization MASTIC committee.

WILLOW Project-Team

9. Dissemination

9.1. Promoting Scientific Activities

9.1.1. Scientific events organisation

9.1.1.1. General chair, scientific chair

- J. Sivic is a program co-chair of IEEE International Conference on Computer Vision (ICCV), 2015.

9.1.1.2. Member of the organizing committee

- Workshop co-organizer, THUMOS Challenge 2014: Action Recognition with a Large Number of Classes, in conjunction with RCCV'14, Zurich, Switzerland (Ivan Laptev).

9.1.2. Scientific events selection

9.1.2.1. Area chairs

- European Conference on Computer Vision (ECCV), 2014 (I. Laptev).
- Asian Conference on Computer Vision (ACCV), 2014 (I. Laptev).
- IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2015 (I. Laptev, J. Ponce).

9.1.2.2. Member of the conference program committee

- IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2014 (I. Laptev, M. Cho, J. Sivic).
- IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2015 (R. Arandjelović, M. Cho, J. Sivic).
- European Conference on Computer Vision (ECCV), 2014 (R. Arandjelović, M. Cho, J. Sivic).
- Asian Conference on Computer Vision (ACCV), 2014 (M. Cho, S. Kwak, J. Sun).
- 29th Conference on Artificial Intelligence (AAAI), 2015 (I. Laptev).
- 5th Int Workshop on Human Behavior Understanding (HBU), 2014 (I. Laptev).

9.1.3. Journal

9.1.3.1. Member of the editorial board

- International Journal of Computer Vision (I. Laptev, J. Ponce, J. Sivic).
- IEEE Transactions on Pattern Analysis and Machine Intelligence (I. Laptev).
- Foundations and Trends in Computer Graphics and Vision (J. Ponce).
- Image and Vision Computing Journal (I. Laptev).
- I. Laptev and J. Sivic co-edit a special issue on "Video representations for visual recognition" in the International Journal of Computer Vision.
- J. Sivic co-edits a special issue on "Advances in Large-Scale Media Geo-Localization" in the International Journal of Computer Vision.

9.1.3.2. Reviewer

- International Journal of Computer Vision (R. Arandjelović, P. Bojanowski, M. Cho, S. Kwak, J. Sun).
- IEEE Transactions on Pattern Analysis and Machine Intelligence (R. Arandjelović, M. Cho, S. Kwak).
- IEEE Transactions on Circuits and Systems for Video Technology (B. Ham, S. Kwak).

- IEEE Transactions on Image Processing (B. Ham, J. Sun).
- IEEE Signal Processing Letters (B. Ham).
- Computer Vision and Image Understanding (M. Cho).
- Pattern Recognition (R. Arandjelović).
- Pattern Recognition Letters (B. Ham).
- Signal Processing: Image Communication (B. Ham).
- EURASIP Journal on Image and Video Processing (B. Ham).

9.2. Teaching - Supervision - Juries

9.2.1. HdR

HdR: Josef Sivic, “Visual recognition of objects, people and places”, École normale supérieure Paris.

9.2.2. Teaching

Licence : J. Ponce, “Introduction to computer vision”, L3, Ecole normale supérieure, 36h.

Master : I. Laptev, J. Ponce and J. Sivic (together with C. Schmid, Inria Grenoble), “Object recognition and computer vision”, M2, Ecole normale supérieure, and MVA, Ecole normale supérieure de Cachan, 36h.

Master : I. Laptev, J. Ponce and J. Sivic (together with Z. Harchaoui and J. Mairal, Inria Grenoble and F. Bach), Cours PSL-ITI - Informatique, mathématiques appliquées pour le traitement du signal et l’imagerie, 20h.

Master: I. Laptev, course “Visual object recognition and localization”, SkolTech, Moscow, January 2014, 30h.

Doctorat: I. Laptev, Tutorial on human action recognition, CVPR’14 tutorial “Emerging topics in human activity recognition”.

Doctorat: I. Laptev, course “Visual Recognition: Objects, Actions and Scenes”, University of Trento, Italy, July 2014, 20h.

9.2.3. Supervision

PhD in progress : Jean-Baptiste Alayrac, “Structured learning from video and natural language”, started in 2014, I. Laptev, J. Sivic and S. Lacoste-Julien.

PhD in progress : Mathieu Aubry, “Visual recognition and retrieval of 3D objects and scenes”, started in 2011, J. Sivic and D. Cremers (TU Munich).

PhD in progress : Piotr Bojanowski, “Learning to annotate dynamic video scenes”, started in 2012, I. Laptev, J. Ponce, C. Schmid and J. Sivic.

PhD in progress : Florent Couzinié-Devy, started in 2009, J.Ponce.

PhD in progress : Guilhem Chéron, “Structured modeling and recognition of human actions in video”, started in 2014, I. Laptev and C. Schmid.

PhD in progress : Théophile Dalens, “Learning to analyze and reconstruct architectural scenes”, starting 1 Jan 2015, M. Aubry and J. Sivic.

PhD in progress : Vincent Delaitre, “Modeling and recognition of human-object interactions”, started in 2010, I. Laptev and J. Sivic.

PhD in progress : Warith Harchaoui, “Modeling and alignment of human actions in video”, started in 2011, I. Laptev, J. Ponce and J. Sivic.

PhD in progress : Vadim Kantorov, “Large-scale video mining and recognition”, started in 2012, I. Laptev.

PhD in progress : Maxime Oquab, “Learning to annotate dynamic scenes with convolutional neural networks”, started in Jan 2014, L. Bottou (MSR), I. Laptev and J. Sivic.

PhD in progress : Guillaume Seguin, “Human action recognition using depth cues”, started in 2010, I. Laptev and J. Sivic.

PhD in progress : Matthew Trager, “Projective geometric models in vision”, started in 2014, J. Ponce and M. Hebert (CMU).

PhD in progress : Tuang Hung VU, “Learning functional description of dynamic scenes”, started in 2013, I. Laptev.

9.2.4. *Juries*

- PhD thesis committee:
 - Antoine Fagette, UPMC, 2014 (I. Laptev, rapporteur).
 - Ivo Everts, Amsterdam University, 2014 (I. Laptev).
 - Piotr Bilinski, University of Nice, 2014 (I. Laptev).
 - Laurent Sifre, Ecole Polytechnique, 2014 (J. Sivic).
 - Omid Aghazadeh, KTH Stockholm, 2014 (J. Sivic).
- HDR thesis committee:
 - Josef Sivic, ENS Ulm, 2014 (J. Ponce).
 - Herve Jegou, Université de Rennes, 2014 (J. Ponce).
- Other:
 - Member of the PSL Research Council, 2012- (J. Ponce).
 - Member of the Mathematics and Systems Unit AERES evaluation committee at Mines ParisTech, January 2014 (J. Ponce).
 - Member of the faculty selection committee, Université de Marne la Vallée, 2014 (J. Ponce).
 - Head, AERES committee in charge of CMLA’s evaluation at ENS Cachan, 2014 (J. Ponce).
 - Member of the ESF/FCT evaluation committee for Portuguese research centers, 2014 (J. Ponce).
 - Member of the AERES evaluation committee at Ecole Centrale de Paris, 2014 (I. Laptev).
 - Member of the Inria postdoc selection committee, 2012- (I. Laptev).
 - Member of Inria Commission de developpement technologique (CDT), 2012- (J. Sivic).

9.3. Invited presentations

- M. Cho, Invited talk, Ecole des Ponts ParisTech, Paris, France, Jan. 2014.
- I. Laptev, Plenary speaker, ICVGIP, Dec. 14-17, Bangalore, India, 2014.
- I. Laptev, Invited speaker, Inria Sophia-Antipolis, Dec. 5, 2014.
- I. Laptev, Invited speaker, KU Leuven, Belgium, November 24, 2014.
- I. Laptev, Invited speaker, Steklov Institute of Mathematics, Saint Petersburg, Russia, Nov. 17, 2014.
- I. Laptev, Invited speaker, Aalto Univ., Helsinki, Finland, Aug. 21, 2014.
- I. Laptev, Invited speaker, ECCV’14 Area Chair Workshop, Zurich, Switzerland, June 2014.
- I. Laptev, Invited speaker, CVPR’14 Workshop on Perceptual Organization, Columbus, USA, June 2014.
- I. Laptev, Invited speaker, Idiap Research Institute, Martigny, Switzerland, Feb. 2014.

- I. Laptev, Invited speaker, EPFL, Lausanne, Switzerland, Feb. 2014.
- I. Laptev, Invited speaker, Computer Vision Winter Workshop, Křtiny, Czech Republic, Feb. 2014.
- I. Laptev, Invited speaker, SkolTech, Moscow, Russia, Jan. 2014.
- I. Laptev, Invited speaker, Royal Institute of Technology, Stockholm, Sweden, Jan. 2014.
- J. Ponce, Invited speaker, Nanyang Technological University, Singapore, Dec. 2014.
- J. Ponce, Keynote speaker, 3DV conference, Tokyo, Dec. 2014.
- J. Ponce, Plenary speaker, European Workshop on Visual Information Processing, Paris, Dec. 2014.
- J. Sivic, Invited talk at the Center for Research in Computer Vision, University of Central Florida, April 2014.
- J. Sivic, Seminar, New York University, April 2014.
- J. Sivic, Seminar, University of Oxford, April 2014.
- J. Sivic, Seminar, KTH Stockholm, June 2014.
- J. Sivic, Seminar, Inria Sophia-Antipolis, July 2014.
- J. Sivic, Seminar, MPI Saarbruecken, July 2014.
- J. Sivic, Seminar, UC Berkeley, August 2014.
- J. Sivic, Seminar, Adobe Research, August 2014.
- J. Sivic, Talk at an invited workshop, CIFAR, Montreal, December 2014.
- J. Sivic, Invited talk, Smart City workshop, Paris, June 2014.