Activity Report 2013

Section Dissemination

DAHU Project-Team

7. Dissemination

7.1. Scientific Animation

Organization of workshops and conferences.

– Serge Abiteboul, Pierre Senellart and Victor Vianu organized the Final Workshop for Web data management (nicknamed Webdone) in Paris 2013.

Program Committees.

– Cristina Sirangelo: 16th Intl. Conf. on Database Theory (ICDT 2013). ICDT 2013 Test of Time Award.

– Luc Segoufin: Intl. Conf. on Logic in Computer Science (LICS'13).

Responsibilities.

– Luc Segoufin is since 2010 part of the "bureau du comité des projets" à l'Inria Saclay. Since 2011 he is part of the scientific board of Inria. Since 2010 he is responsible of the groupe de travail "Complexité et Modèles Finis" du GDR "Mathématique et Informatique" (http://www.gdr-im.fr/).

– S. Abiteboul is the principal investigator of the European Research Council Grant Webdam on Web Data Management.

As a member of the Sciences Academy, S. Abiteboul wrote a report on "L'enseignement de l'informatique en France - Il est urgent de ne plus attendre".

S. Abiteboul is since 2013 a member of the Conseil national de la recherche. As a member, he participated in 2013 in reports on Net neutrality, Computer science education, and digital inclusion.

S. Abiteboul is chairman of the Inria Awards committee.

S. Abiteboul is chairman of the Scientific Board of Société d'Informatique de France.

S. Abiteboul is a member of the Academic Senat of the University Paris-Saclay.

S. Abiteboul is a member of the Academia Europea.

Larger audience. In 2013, S. Abiteboul gave talks to Entretiens de la Cité in Lyon, Conférence cultures numériques, éducation aux médias et à l'information in Lyon, Conférences Science et société in Nancy, Congrès de la Société informatique de France in Nice, Forum régionaux des Savoirs in Rouen. Journéee Economie de la connaissance et économie numérique at IHEST, Saclay.

In particular, S. Abiteboul gave talks on Big data in insurances at Journée SCOR sur les Big data et les assurrances, and Journéee Ifpas de l'assurance in Paris; on Big data and health at Open data et santé, Congrés Health IT. He also discussed the place of fiction in the Web at Séminaire Vérifiction, CNAM, Paris, 2013.

S. Abiteboul a été également auditionné à l'Assemblée nationale par la commission des affaires économiques, Mission d'information sur l'économie numérique; et par l'Office parlementaire d'évaluation des choix scientifiques et technologiques, sur le Risque numérique. 2013.

S. Abiteboul gave interviews to Le Monde, Famille Chrétienne, and 01Net.

7.2. Teaching - Supervision - Juries

7.2.1. Teaching

Master : Cristina Sirangelo, Complexité avancée, 18 hours ETD, M1, MPRI, France

Master : Cristina Sirangelo, Algorithms, 15 hours ETD, Préparation à l'agrégation, École Normale Supérieure de Cachan, France

Licence : Cristina Sirangelo, Bases de données, 30 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

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

Master : Serge Abiteboul, Web data management, MPRI Paris

Master : Luc Segoufin, Finite Model Theory and Descriptive Complexity, MPRI.

Licence : Émilien Antoine, Algorithmique et complexité, 32h, L3, Université de Paris-Sud, France

7.2.2. Supervision

PhD: Wojciech Kazana, Query Evaluation with Constant Delay, 16/09/2013, Luc Segoufin

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

PhD : Émilien Antoine, Data management in social network, 05/12/2013, Serge Abiteboul

7.2.3. Juries

- Luc Segoufin was reviewer for the PhD thesis of Stefan Mengel, Paderborn, Germany.
- Luc Segoufin was reviewer for the PhD thesis of Johann Brault-Baron, Université de Caen, France.

7.3. Popularization

Serge Abiteboul participated to a popularization book on mathematics, « Mathématiques, l'explosion continue », with an article, Chercher sur le Web : juste un point fixe et quelques algorithmes.

Serge Abiteboul wrote with Pierre Senellart an article on " Un déluge de données", in Pour la science sur le Big bang numérique, 2013.

<p align="center" style="color:red">**DREAM Project-Team**</p>

9. Dissemination

9.1. Scientific Animation

9.1.1. Journal editorial board
- *AAI: Applied Artificial Intelligence* (M.-O. Cordier).
- *Interstices webzine* (M.-O. Cordier).
- *Revue d'Intelligence Artificielle*: Invited editors of the special issue on "Intelligence Artificial and Agronomy": T. Guyet, F. Le Ber, M. Teisseire [25]

9.1.2. Conference program committees and organizations
- Program committee members of FOSTA workshop at EGC 2013 (T. Guyet, R. Quiniou).
- Organization committee member of CIDN workshop at EGC 2013 (T. Guyet).
- Local chair of EGC 2014 in Rennes (R. Quiniou).
- Organization committee member of EGC 2014 in Rennes (T. Guyet).
- Organization chairs and Program committee members of FST-CERGEO workshop at EGC 2014 (T. Guyet, R. Quiniou).
- Steering Committee of RFIA'2014 (T. Guyet).
- Session chair of ICBBIO 2014 (S. Benabderrahmane)

9.1.3. 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 2013" 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) : 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 "Fonds de recherche du Québec – Nature et technologies": T. Guyet.
- Member of the Payote-Network board: T. Guyet.

9.1.4. Misc
- Invited talk at the "Pattern Mining Days" workshop, Grenoble, July 2013 (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 and S. Benabderrahmane),

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

9.2.2. Supervision

PhD: Tassadit Bouadi, "Analyse interactive de résultats de simulation et découverte de connaissances. Application à l'aide à la décision dans le domaine agroécologique pour l'amélioration de la qualité des eaux des bassins versants", november 28th 2013, co-supervisors Marie-Odile Cordier, René Quiniou and Chantal Gascuel, ANR project Acassya grant

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

9.2.3. Juries

- Commitee member and reviewer of Nicolas Méger's HDR defence (Univ. Savoie): M.-O. Cordier
- Commitee member of Alexandre Termier's HDR defence (Univ. Grenoble): M.-O. Cordier
- Committee member of Tassadit Bouadi's PhD defence (Université de Rennes 1): M.-O. Cordier , R. Quiniou.
- Thesis committee of Pierre Clément, Oniris Nantes, "Valeur informative du budget-temps de la vache laitière pour la détection précoce des troubles de santé". R. Quiniou.
- Bachelor: A. Fratila (Cluj-Napoca University, Romania), "Evaluating similarity measures between time series symbolic sequences", September 2013, supervisors: Sidahmed Benabderrahmane and René Quiniou.

EXMO Project-Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Editorial boards and programme committees

- Jérôme Euzenat is founding member of the "Semantic Web Science Association" (steering committee for the ISWC conference series).
- Editorial board of *Journal of Web Semantics*, *Journal on Data Semantics* and *Semantic web journal* (Jérôme Euzenat).
- Jérôme Euzenat has been programme committee member for the 2013 issues of the conferences International Joint Conference on Artificial Intelligence (IJCAI), International Semantic Web Conference (ISWC) main and evaluation track, Worldwide Web Conference (WWW), National Conference on Artificial Intelligence (AAAI), IA and the web track, ACM conference on Knowledge capture (KCap), International and Interdisciplinary Conference on Modeling and Using Context (Context), European Semantic Web Conference (ESWC), Ingénierie des connaissances (IC), Brazilian Conference on Ontological Research (OntoBras).
- Jérôme David has been programme committee member for the 2013 issues of the ingénierie des connaissances (IC) conference.
- Jérôme David has been programme committee member for the 2013 issues of the Ontology matching workshop (OM) and the Graph Based Structures for Knowledge Representation and Reasoning Workshop (GKR@IJCAI).
- Manuel Atencia has been programme committee member for the 2013 issues of the International Semantic Web Conference (ISWC), the Ontology matching workshop (OM), and the Graph Based Structures for Knowledge Representation and Reasoning Workshop (GKR@IJCAI).
- Jérôme Euzenat has also been programme committee member for the IJCAI workshop on "Acquisition, Representation and Reasoning with Contextualized Knowledge (ARCOE-Logic)".
- Jérôme Euzenat has co-organised (with Pavel Shvaiko, Jérôme Euzenat, Kavitha Srinivas, Ming Mao and Ernesto Jiménez-Ruiz) the 8th "Ontology matching" workshop of the 12th ISWC, Sydney (NSW AU), 2013 [13].
- Jérôme Euzenat has co-organised (with many other colleagues) the Ontology Alignment Evaluation Initiative 2013 at the "Ontology matching" workshop of the 12th ISWC, Sydney (NSW AU), 2013 [7].

8.1.2. Seminars

- Seminar on "Data mediation in SPARQL from alignments", CrEDiBle (fédération de données et de ConnaissancEs Distribuées en Imagerie BiomédicaLE) workshop, Sophia-Antpolis (FR), 4/10/2013 (Jérôme Euzenat)
- Seminar on "The dynamic knowledge medium", Inria/I3S, Sophia-Antpolis (FR), 29/11/2013 (Jérôme Euzenat)
- Seminar on "A Framework for Interlinking RDF Datasets Based on Pseudo-Keys Discovery", Tsinghua university, Beijing (CN), 20/11/2013 (Jérôme David)

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

- Licence: Manuel Atencia, Introduction à la programmation fonctionelle, 36, L1, UJF, France
- Licence: Jérôme David, Outils Informatique (c2i), 24, L1, UPMF, France
- Licence: Jérôme David, Développement Mobile, 30, L3, UPMF, France
- Master: Jérôme David, Programmation Java 2, 30, M1-M2, UPMF, France
- Master: Jérôme David, JavaEE, 30, M2, UPMF, France
- Master: Jérôme David, Développement Web Mobile, 30, M2, UPMF, France
- Master: Jérôme David, Interface Homme Machine 2, 30, M2, UPMF, France
- Master: Manuel Atencia & Jérôme David, Introduction au Web Sémantique, 30, M2, UPMF, France
- Master: Jérôme Euzenat, Semantic web: from XML to OWL, 22heqTD, M2R, Université Joseph Fourier & INPG, France
- Post-graduate level: Jérôme Euzenat, Ontology matching, 4heqTD, European Summer School on Ontology Engineering and the Semantic Web, Cercedilla, Spain

8.2.2. *Supervision*

- PhD in progress: Zhengjie Fan, Ontology-based data interlinking, 1/1/2011, supervisors: Jérôme Euzenat and François Scharffe
- PhD in progress: Mustafa Al-Bakri, Modélisation et calcul de la confiance dans les réseaux pair-à-pair de partage de données, 1/1/2011, supervisors: Marie-Christine Rousset and Manuel Atencia
- 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 chaired the HDR committee of Nabil Layaïda, Representation and analyses of web content and processing, Université de Grenoble, 23/4/2013
- Jérôme Euzenat has reviewed the HDR of Noël Conruyt, Gestion des signes: de la représentation des connaissances à leur signification pour les e-services, Université de la Réunion, 25/10/2013
- Jérôme Euzenat has reviewed the PhD dissertation of Luca Costabello, Context-aware access control and presentation of linked data, Université de Nice-Sophia Antipolis, 29/11/2013, Fabien Gandon and Ivan Hermann

8.3. Popularization

- Jérôme Euzenat gave a presentation on *Les données liées ouvertes (linked open data): publier des données réutilisables* at the open data days of the FREMIT Federation, IMT/IRIT, Toulouse (FR), 5/11/2013.
- Jérôme Euzenat coordinated the CNRS development days (JDEV) sessions on *web programming*, 4 presentations, 6 tutorials, 5 worshops, 80 participants, Palaiseau, 4-6/9/2013.

GRAPHIK Project-Team

9. Dissemination

9.1. Scientific Animation

9.1.1. Habilitations à Diriger les Recherches (HDR)

Rallou Thomopoulos defended her HDR on December, entitled *Aide à la décision dans les filières agroalimentaires* in front of the following jury:

- Christine FROIDEVAUX , Pr., Univ. Paris Sud, Orsay, Reviewer
- Bernard MOULIN, Pr., Univ. Laval, Québec, Canada, Reviewer
- Henri PRADE, DR CNRS, IRIT, Toulouse , Reviewer
- Joël ABECASSIS, IR (HDR), INRA, Montpellier
- Fabien GANDON, CR (HDR), Inria, Sophia-Antipolis
- Marie-Laure MUGNIER, Pr., Univ. Montpellier 2, Président of Jury

9.1.2. Organization of Conferences/Workshops

- Souhila Kaci co-organized the "Uncertain reasoning" track at FLAIRS'13. She also co-organized the 7th Multidisciplinary Workshop on Preferences (MPREF'13) in conjunction with IJCAI'13.
- Patrice Buche co-organized the IN-OVIVE workshop dedicated to heterogeneous data sources integration in life sciences during IC'2013 in Lille http://umr-iate.cirad.fr/actualites/atelier-in-ovive-a-la-conference-ic-2013-le-2-juillet.
- Madalina Croitoru was chair of GKR 2013 (3rd IJCAI international workshop on graph structures for knowledge representation and reasoning), in conjunction with IJCAI'13; and is general chair of ICCS 2014 (International Conference on Conceptual Structures).

9.1.3. Editorial Boards

ICCS (International Conference on Conceptual Structures)
RIA (Revue Francophone d'Intelligence Artificielle)

9.1.4. Program Committees

- **International conferences and workshops:**
  - ECAI 2014 (European Conference on Artificial Intelligence) [senior PC; PC]; RR 2014 (8th International Conference on Web Reasoning and Rule Systems) [co-presidency of program committee]; IPMU 2014 (15th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based System) [initiative committee of special session on "Decision Support and uncertainty management in Agri-Environment"]; ICCS 2014 (International Conference on Conceptual Structures) [general chair; steering committee]; ESWC 2014 (European Semantic Web Conference), IJCAI'13 (International Joint Conference on Artificial Intelligence)[senior PC; PC]; AAMAS'13 (Autonomous Agents and Multiagent Systems); EUSFLAT 2013 (8th conference of the European Society for Fuzzy Logic and Technology); RR 2013 (7th International Conference on Web Reasoning and Rule Systems).
  - NMR 2014 (Non-monotonic reasoning workshop); MPREF'14 (Workshop on Advances in Preference Handling); GKR 2013 (3rd IJCAI international workshop on graph structures for knowledge representation and reasoning)[chair].

- **National conferences and workshops:** JIAF 2013 and 2014 (Journées d'Intelligence Artificielle Fondamentale); IC 2013 (Ingénierie des Connaissances); LFA 2013 (22e rencontres francophones sur la logique floue et ses applications)

9.1.5. Invited Talks

- Jean-François Baget gave an invited talk at the "Artificial Intelligence meets the Web of Data" workshop associated to ESWC'13 (European Semantic Web Conference). Title : *"Ontologies and large databases: querying algorithms for the Web of Data"*.
- Marie-Laure Mugnier gave an invited talk at the workshop CrEDIBLE (fédération de données et de connaissances distribuées en imagerie biomédicale, CNRS - défi MASTODONS). Title: *"Ontological Query Answering with Existential Rules"*.
- Madalina Croitoru gave a seminar at the Univ. of Dresden. Title: *"What can argumentation do for inconsistent query answering?"*
- Madalina Croitoru gave 15h of lectures at the Computer Science winter school of the Univ. of Buenos Aires (ECI winter school, http://www.dc.uba.ar/events/eci/2013/cursos/). Title: *"Graph-based representation and reasoning in artificial intelligence"*

9.1.6. Scientific Advisory Boards

- ABES (National Bibliographic Agency for Universities) Scientific Advisory Board, Michel Chein (since its creation in 2010).
- Advisory Board of the Center of Excellence in Semantic Technologies (MIMOS, Malaysia), Marie-Laure Mugnier (since its creation in 2008).
- Scientific board of INRA-CEPIA department (Caractérisation et Elaboration des Produits Issus de l'Agriculture – Agricultural Products Engineering), Marie-Laure Mugnier (since Septembre 2011).

9.1.7. Local Collective Tasks

Souhila Kaci is co-responsible of "Artificial Intelligence" axis at LIRMM.

Souhila Kaci and Namrata Patel are members of the LIRMM Laboratory Council.

Jean-François Baget is member of the LIRMM Scientific Council.

9.1.8. Participation to the W3C RDF Working Group

(Jean-François Baget) The mission of the RDF Working Group, part of the Semantic Web Activity, is to update the 2004 version of the Resource Description Framework (RDF) Recommendation. The scope of work is to extend RDF to include some of the features that the community has identified as both desirable and important for interoperability based on experience with the 2004 version of the standard, but without having a negative effect on existing deployment efforts. http://www.w3.org/2011/01/rdf-wg-charter.

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	2012/13	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.	96	L and M (UM2)	2
M. -L. Mugnier	Professor	192	L and M (UM2)	3
R. Thomopoulos	Research Scientist	0		no
L. Guizol	PhD	64	L	no
M. König	PhD	64	L	no
B. Paiva Lima	PhD	64	L (UM2)	no
M. Thomazo	PhD	64	L and M1 (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)

Globally, the team ensures the courses in logics (propositional logic and first-order logic in L, logics for Artificial Intelligence in M2) at the Montpellier 2 University, as well as the Master courses in Artificial Intelligence, Decision Support, Knowledge Representation and Knowledge Engineering. 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 20 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).

9.2.2. Supervision

9.2.2.1. PhDs

Michaël Thomazo defended his PhD on October *Conjunctive Query Answering Under Existential Rules - Decidability, Complexity, and Algorithms* [15]. The jury was:

- Georg GOTTLOB (PR), Univ. of Oxford, Reviewer
- Carsten LUTZ (PR), Univ. of Bremen, Reviewer
- Marie-Christine ROUSSET (PR), Univ. de Grenoble, Reviewer
- Christophe PAUL (DR), CNRS, Examiner
- Jean-François BAGET (CR), Inria, Co-advisor
- Marie-Laure MUGNIER (PR), Univ. Montpellier 2, Advisor

The PhDs in progress are:

PhD in progress : Bruno Paiva Lima da Silva (ministry grant), Comparing Storage Systems for Large knowledge bases, Oct. 2010, supervised by Jean-François Baget and Madalina Croitoru. Defence in Jan. 2014.

PhD in progress : Tjitze Rienstra, Dynamic argumentation systems, Oct. 2010, supervised by Souhila Kaci and Leon van der Torre (University of Luxembourg)

PhD in progress : Mélanie König (ministry grant), Algorithms for querying large knowledge bases, Oct. 2011, supervised by Michel Leclère and Marie-Laure Mugnier

PhD in progress : Léa Guizol (ABES grant), Entity identification in metadata bases, Oct. 2011, supervised by Madalina Croitoru

PhD in Progress: 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

PhD in Progress: 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

PhD in Progress: Namrata Patel (Univ. Montpellier II grant), Preference Handling in Decision Problems (bourse ministerielle), Sept. 2013, supervised by Souhila Kaci

9.2.3. *Juries*

9.2.3.1. *PhDs*

- Patrice Buche was reviewer for *Semantic support for quantitative research* , Hajo Rijgersberg, VU University Amsterdam, May 2013

- Patrice Buche was reviewer for *Validation, synthèse et paramétrage des cartes cognitives* , Aymeric Le Dorze , LERIA/Angers University, Nov. 2013

- Patrice Buche was reviewer for *Evolution cohérente des ressources termino-ontologiques et des annotations sémantiques* , Anis Tissaoui, IRIT/Toulouse 3 University, Dec. 2013

- Patrice Buche was jury member for *D'un langage de haut niveau à des requêtes graphes permettant d'interroger le web sémantique*, Camille Pradel, IRIT/Toulouse 3 University, Dec. 2013

- Marie-Laure Mugnier and Jean-François Baget were jury members (and co-directors) for *Conjunctive Query Answering Under Existential Rules - Decidability, Complexity, and Algorithms*, Univ. Montpellier II, Oct. 2013.

9.2.3.2. *HDRs*

- Marie-Laure Mugnier was jury president for *Aide à la décision dans les filières agroalimentaires*, Rallou Thomopoulos, Univ. Montpellier II, Dec. 2013

- Marie-Laure Mugnier was jury president for *Contribution des modèles de connaissances à l'amélioration continue des processus industriels*, Bernard Kamsu, ENI Tarbes, Apr. 2013

9.2.3.3. *Other juries*

- Marie-Laure Mugnier was president of a recruitement committee for a professor position at UM2-IUT Béziers

- Marie-Laure Mugnier was member of 3 recruitement committees for associate professor positions at UM2-IUT Montpellier, UPMF-Grenoble and SupAgro Montpellier

- Madalina Croitoru was member of a recruitment committee for an associate professor position at UM2-IUT Montpellier.

9.3. Popularization

Patrice Buche was invited to give a talk about Packaging Decision support system involving flexible querying and argumentation at ANR Ribenut final meeting in November, 14 2013 (Avignon)

LINKS Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Organization of Workshops

A two-days workshop on Data-centric Web Services has been organized by Bourhis and Niehren in October 2003. The workshop gathered together researchers from Inria Lille, Inria Rennes, Inria Saclay and Université Marne La Vallée.

8.1.2. Invited Talks

P. BOURHIS was invited to give a talk at the Journées Complexité et Modèles Finis 2013 - 60 ans d'Etienne Grandjean, on "Containment of monadic datalog for general structures".

S. TISON, J. NIEHREN, A. LEMAY and A. BOIRET were invited in a Dagstuhl seminar on Tree Transducers and Formal Methods.

8.1.3. Program Committees

J. NIEHREN is member of the editorial board of FUNDAMENTA INFORMATICAE. He was in the program committees of STACS (Symposium on Theoretical Aspects of Computer Science) 2014 and TTATT (International Workshop on Trends in Tree Automata and Tree Transducers) 2013.

I. BONEVA was member of the program committee of ADBIS (East-European Conference on Advances in Databases and Information Systems) 2013. She was external reviewer for CIIA 2013 and TOIT.

A. BONIFATI was Chair of WebDB (International Workshop on the Web and Databases) 2013. She was also member of the program committees of SIGMOD (International Conference on Management of Data) 2013, VLDB (International Conference on Very Large Databases) 2013 and EDBT (International Conference on Extending Data- base Technology) 2013. She was a member of the program committee of BDA (Journées Bases de Données Avancées) 2013. She is a member of the program committee of ICDE (International Conference on Data Engineering) 2014, VLDB 2014, SIGMOD 2014, EDBT 2014, and ICDT (International Conference on Database Theory) 2015.

P. BOURHIS was member of the program committee of BDA (Journées Bases de Données Avancées) 2013 and of the CIKM PhD Workshop (PIKM) 2013. He was external reviewer for PODS 2013, TKDE and Information Systems.

S. STAWORKO was member of the program committee of ICDT 2013 and WebDB 2013 (International Workshop on the Web and Databases).

S. TISON is member of the steering committee of RTA (International Conference on Rewriting Techniques and Applications) and STACS (Annual Symposium on Theoretical Aspects of Computer Science). She is member of the editorial committee of RAIR0-ITA. She is member of the program committee of Highlights of Logic, Games and Automata 2013 and LATA (International Conference on Language and Automata Theory and Applications) 2014.

8.1.4. French Scientific Responsibilities

A. BONIFATI, serves in the vivier of Université Lille 1.

J. NIEHREN serves in the vivier of Université Lille 1.

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) and of the IUF senior committee 2013. She was president of the scientific and technical council of the cluster "Pôle de Compétitivité Industries du commerce" and she is member of the administrative board of the cluster Pictanovo. She serves in the vivier of Université Lille 1, where she was member of the selection committee for professor positions. She was also member of the selection committee for professor positions in Marseille.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

> Master (Mocad): Information extraction, 18h, M2, Université Lille 1, France by J. NIEHREN
> Master (Mocad): Information extraction, 18h, M2, Université Lille 1, France by A. BONIFATI
> License: Introduction to Databases, 54h, L3, Université Lille 1, France by A. BONIFATI
> Master: XML technologies: Sax and DOM, 18h, M1, Université Lille 3, France by D. DEBARBIEUX
> Licence: Propositional Logic, 18h, L2, Université Lille 3, France by S. STAWORKO
> Master: Modelization XML, 24h, M1, Université Lille 3, France by S. STAWORKO
> Licence: Artificial Intelligence and Logic, 63h, L3, Université Lille 3, France by S. STAWORKO
> Master: Introduction to XML, 40h, M1, Université Lille 3, France by S. STAWORKO
> Master : Advanced algorithms and complexity, M1, 57h, Université Lille 1, by S. TISON
> Master: XML Technologies, 16h, M2, Université Lille 3, France by A. LEMAY

8.2.2. Supervision

> PhD in Progress: R. CIUCANU, Cross-model queries and schema mappings: evaluation and learning. Since Sept. 2012. Supervised by Bonifati.
> PhD in Progress: G. LAURENCE, Learning XML transformations for data exchange on the web. Since Sept. 2008. Submitted in January 2014. Supervised by Tommasi, Niehren, Staworko and Lemay.
> PhD in Progress: A. M. NDIONE, Probabilistic algorithms for tree automata and transducers. Since Sept. 2010. Submitted in January 2014. Supervised by Niehren and Lemay.
> 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.
> PhD in Progress: K. BATMANOV submitted in January 2014. Supervised by Niehren
> PhD in Progress: G. MADELAINE. Co-supervised by Niehren (2012-2015).

8.2.3. Juries

A. BONIFATI was in the PhD committee of Federico Cavalieri at Universitá di Genova, Italy.

J. NIEHREN was the supervisor of the HdR of Cédric Lhoussaine at Université de Lille 1 in December 2013.

J. NIEHREN was in the HdR committee of Pierre Senellart at Paris Telecom in July 2013.

J. NIEHREN was the president of the PhD committee of Evgenia Kopylova from the Bonsai group at the University of Lille 1 in Dec 2013.

S. STAWORKO was in the PhD committee of Alexandre Decan at Université de Mons, Belgium.

S. TISON was in the HdR committee of Sébastien Picault and in the PhD committee of Julie Jacques, at the Université Lille 1. She was in the PhD committees of Vincent Hugot and Elena Tushkanova at Université de Franche-Compté. She was in the HdR committee of Nabil Layaida in Grenoble.

8.3. Popularization

Within the Initiative 'Chercheurs à l'École' during the 'Fête de la science 2013' in October, Iovka Boneva has done presentations for high-school students in two lyceums in Villeneuve d'Ascq and Marcq en Baroeul.

MAGNET Team

9. Dissemination

9.1. Scientific Animation

9.1.1. Invited Talks

FABIO VITALE was invited to give a talk at the Computer Science department of Copenhagen University in November 2013 on the topic of *Machine Learning on Trees and Graphs*.

9.1.2. Program Committees

PASCAL DENIS served as member of the program committee of ACL 2013, EACL 2013, EMNLP 2013, *SEM 2013.

ANTONINO FRENO served as member of the program committee of ECML-PKDD 2013.

MIKAELA KELLER was reviewer for ECML-PKDD 2013.

FABIEN TORRE served as member of the program committee of IClaNov workshop at ICDM 2013, ICPRAM 2014, EGC 2014, CluCo workshop at EGC 2014.

MARC TOMMASI served as member of the program committee of CAP 2013 and CIAA 2013.

9.1.3. Hiring Committees

MIKAELA KELLER served as member of the hiring committee for a MdC position at University of Calais. and as member of the hiring committee for a MdC position at University of Lille 3.

RÉMI GILLERON served as member of the hiring committee for a MdC position at University of Saint Etienne.

MARC TOMMASI served as member of the hiring committee for a MdC position at University of Lille 3 and as member of the hiring committee for a Professor position at University of Paris 6.

9.1.4. Other Committees

PASCAL DENIS served as reviewer for the French National Research Agency (ANR), Programme Blanc.

MIKAELA KELLER served as reviewer for the French National Research Agency (ANR), Programme Blanc.

FABIEN TORRE is elected member of Conseil national des universités (Section 27).

MARC TOMMASI served as member of the SIMI2 committee of the French National Research Agency (ANR). He is also coordinator for the ANR Lampada project.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

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

Master MOCAD: ANTONINO FRENO, Extraction d'information, 16h, M2, Université Lille 1, France

RÉMI GILLERON is in charge of master MIASHS at Université Lille 3, France

Master MIASHS: RÉMI GILLERON, Classification supervisée, 36h, M1, Université Lille 3, France

Master MIASHS: RÉMI GILLERON, Classification non supervisée, 24h, M1, Université Lille 3, France

Master MIASHS: RÉMI GILLERON, Recherche d'information, 24h, M1, Université Lille 3, France

Master MIASHS: RÉMI GILLERON, Web sémantique, 36h, M2, Université Lille 3, France

Master MIASHS: RÉMI GILLERON, Programmation R, 24h, M1, Université Lille 3, France

Licence EMO: RÉMI GILLERON, Cours bases de données, 18h, L3, Université Lille 3, France

Licence MIASHS: RÉMI GILLERON, Programmation Python, 36h, L1, Université Lille 3, France

Licence: MIKAELA KELLER, Apprentissage statistique, 63h, L3, Université Lille 3, France

Master LTTAC: FABIEN TORRE, Traitements automatiques des textes, 55.5h, M1, Université Lille 3, France

Master IDEMM: FABIEN TORRE, Langages du web, 37.5h, M2, Université Lille 3, France

Master GIDE: FABIEN TORRE, Algorithmique et programmation PHP pour le web, 75h, M2, Université Lille 3, France

Master ICDD: FABIEN TORRE, Internet et ses langages, 37h, M1, Université Lille 3, France

Master ID: MARC TOMMASI, Réseaux, 60h, M1, Université Lille 3, France

Master ICCD: MARC TOMMASI, Représentation et codage de l'information, 37h, M1, Université Lille 3, France

9.2.2. *Supervision*

PhD in progress: THOMAS RICATTE, Learning in Multiple Graphs with Hypergraphs, Université Lille 3, since Sept. 2011, Marc TommasiLille, scheduled for June 2014, MARC TOMMASI, RÉMI GILLERON, and GEMMA GARRIGA

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 in progress: AHMAD HOSSEINI, Machine Learning for Information Diffusion in Graphs, Université Lille 1, since Dec. 2013, MARC TOMMASI and MIKAELA KELLER and PHILIPPE PREUX

PhD in progress: Grégoire Laurence, Learning Tree Transducers, Université Lille 1, since Sept. 2008, MARC TOMMASI and JOACHIM NIEHREN

PhD in progess: Jean Decoster, Relation learning for XML documents, Université Lille 1, since Sept. 2009, FABIEN TORRE and RÉMI GILLERON

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)

9.2.3. *Juries*

RÉMI GILLERON was member of the PhD committee of Emilie Morvant, Université de Marseille, France

<p style="text-align:center">**MAIA Project-Team**</p>

9. Dissemination

9.1. Scientific Animation

- François Charpillet is member of the scientific concil of the Robotic GDR

9.1.1. Conference organization, Program committees, Editorial boards

- Amine Boumaza was a member of the program committee of GECCO'13 (The Genetic and Evolutionary Computation Conference) and CEC'13 (Congress on Evolutionary Computation). He was a reviewer for ANR *jeune chercheur programme blanc*.

- Olivier Buffet is a member of the editorial boards of the *"revue d'intelligence artificielle"* (RIA), and the "Journal of Artificial Intelligence Research" (JAIR).

- Olivier Buffet was a reviewer for the journals: AIJ (Artificial Intelligence Journal), JAIR (Journal of Artificial Intelligence Research), RIA (Revue d'Intelligence Artificielle); for the conferences AAAI'13 (National Conference on Artificial Intelligence), ICAPS'13 (International Conference on Automated Planning and Scheduling), IJCAI'13 (International Joint Conference on Artificial Intelligence), JFPDA'13 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes); and for the workshop WRLComp'13 (ICML Workshop on the 2013 Reinforcement Learning Competition).

- Vincent Chevrier was a reviewer for the journal: ActaBiotheroretica (ACBI), for the conferences IJCAI'13 (International Joint Conference on Artificial Intelligence), JFSMA'13 (Journées francophones sur les Systèmes multi-Agents).

- Vincent Chevrier was an expert for the following project calls: ANR Blanc Program and Digiteo, for the best PhD thesis price of the AFIA.

- François Charpillet was in the program committees of ICAART, MSDM, WACAI, the 2013 IEEE/RSJ IROS Workshop "Assistance and Service Robotics in a Human Environment" and has also reviewed papers for IROS, ICRA, and RIA.

- Alain Dutech was a reviewer for the journals : JMLR (Journal of Machine Learning Research), RIA (Revue d'Intelligence Artificielle); for the conferences IJCAI'13 (International Joint Conference on Artificial Intelligence), JFPDA'13 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes);

- Nazim Fatès co-organised WPCA'13, the First European workshop on probabilistic cellular automata, held in Eindhoven, June 10-12, 2013. He was a reviewer for the following journals: *Theoretical Computer Science*, *Physica D*, *Journal of cellullar automata*. He was a program committee member of the following conferences: AUTOMATA'13 (Workshop on cellular automata), CAAA'13 (cellular automata Algorithms & Architectures), SCW'13 (spatial computing workshop). He was an external referee for the conference CiE'13 (Computation in Europe). He was invited to give a talk and a tutorial at AUTOMATA'13.

- Bruno Scherrer was a reviewer for the journals Mathematics of Operations Research, Annals of Operations Research, Applied Mathematics and Optimization, and Transactions on Neural Networks and Learning Systems, for the international conferences ICML'13 (International Conference on Machine Learning) and NIPS'13 (Neural Information Processing Systems), and for the national conference on learning CAP'13 (Conférence Francophone sur l'Apprentissage Automatique).

- Bruno Scherrer was invited to give a talk at the Reinforcement Learning seminar of the Gatsby Unit (University College of London).

- Alexis Scheuer was a reviewer for the journals Artificial Intelligence (Elsevier), Robotics and Autonomous Systems (Elsevier) and IEEE Transactions on Robotics, as well as for the conference ICRA'14 (IEEE International Conference on Robotics and Automation).

- Olivier Simonin has co-organized the 2013 IEEE/RSJ IROS Workshop "Assistance and Service Robotics in a Human Environment". He is a member of the program committees of ICINCO'13, ICAART'13, and national conferences CAR2013 and JFSMA'13. He was a reviewer for the following international journals, IEEE Transactions on Systems, Man and Cybernetics: Systems, International Journal of Advanced Robotic Systems, and the conference IEEE ICRA'13.

- Vincent Thomas was a reviewer for the journal IEEE Transactions on Cybernetics and for the conference JFPDA'13 (Journées Francophones sur la Planification, la Décision et l'Action pour le contrôle de systèmes).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

PhD & Master level: Amine Boumaza, Métaheuristiques, 15h eq TD., Master 1 Computer Science, Université de Lorraine, France.

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

PhD & Master level: Nazim Fatès, cellular automata, four lectures for a complex systems doctoral module, University Adolofo Ibañez, Santiago, Chile.

PhD & Master level: Alexis Scheuer & Olivier Simonin, Introduction to Mobile Robotics, 30h eq TD., Master 1 Computer Science, Université de Lorraine, France.

PhD & Master level: Alexis Scheuer & Olivier Simonin, Additional Mobile Robotics, 30h eq TD., Master 2 Computer Science, Université de Lorraine, France.

Master level: Olivier Simonin, Artificial Life, 15h eq TD., last year course (equivalent to Master 2), Ecole Supérieure d'Électricité de Metz, France.

PhD & Master level: Vincent Thomas, Métaheuristiques, 15h eq TD., Master 1 Computer Science, Université de Lorraine, France.

PhD & Master level: Vincent Thomas, Optimisation et systèmes dynamiques stochastiques, 22h eq TD., Master 2 Computer Science, Université de Lorraine, France.

Master level: Vincent Thomas, Agents Intelligents, 25h eq TD., Master 1 Cognitive Sciences, Université de Lorraine, France.

Master level: Vincent Thomas, Serious Game and Game Design, 15h eq TD., Master 2 Cognitive Sciences, Université de Lorraine, France.

9.2.2. Supervision

PhD: Mauricio Araya, *"Near-Optimal Algorithms for Sequential Information-Gathering Decision Problems"*, Université de Lorraine, Feb. 4th, F. Charpillet (advisor), O. Buffet, V. Thomas.

PhD: Antoine Bautin, *"Stratégie d'exploration multirobot fondée sur le calcul de champs de potentiels"*, Université de Lorraine, Oct. 3rd, F. Charpillet (advisor), O. Simonin.

PhD: Olivier Bouré, *"'Le simple est-il robuste ?' Une étude de la robustesse des systèmes complexes à travers les automates cellulaires"*, Université de Lorraine, Sep. 13th, Nazim Fatès, Vincent Chevrier (advisor).

PhD: Lucie Daubigney, *"Gestion de l'Incertitude pour l'Optimisation de Systèmes Interactifs"*, Université de Lorraine, Oct. 1st, Olivier Pietquin, Alain Dutech (advisor).

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: Amandine Dubois, *"Assistance à la personne en perte d'autonomie: étude de l'apport d'un réseau de Kinects à la détection et la prévention des chutes"*, Université de Lorraine, Oct. 2011, F. Charpillet (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: Arsène Fansi Tchango, *"Suivi multi-caméra en environnement partiellement observé"*, Université de Lorraine, Oct. 2011, A. Dutech (advisor), O. Buffet, V. Thomas.

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, *"Approximating the Value Function for Heuristic Search in Factored MDPs"*, Université de Lorraine, Nov. 2011, J. Hoffmann (advisor), B. Scherrer, O. Buffet.

PhD in progress: Mohamed Tlig, *"Reactive coordination for traffic adaptation in large situated multi-agent systems"*, 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: Jano Yazbeck, *"Secure and robust immaterial hanging for automated vehicles"*, Université de Lorraine, Oct. 2010, F. Charpillet (advisor), A. Scheuer.

9.2.3. Juries

9.2.3.1. PhD and HDR committees

- Amine Boumaza was a member of the PhD committee of
  - Charles Olion, October 18th 2013, ISIR/UPMC.
- Olivier Buffet was a member of the PhD committee of
  - Caroline Ponzoni Carvalho Chanel, 12th Apr. 2013, Université de Toulouse / ISAE, and
  - Adrien Couëtoux, 30th Sept. 2013, Université Paris Sud.
- Vincent Chevrier was a member of the PhD committee of
  - Yishuai Lin, 10th Sept. 2013, Université de Technologie de Belfort-Monbéliard, as a referee; and
  - Inaya Lahoud, 10th Sept. 2013, Université de Technologie de Belfort-Monbéliard, as a committee member.
- François Charpillet was a member (as a referee) of the PhD committee of:
  - Jean-Baptiste Soyez, 3rd December, Lagis/Université de Lille 1
  - Asma Azim, 17th December, LIG, Université de Grenoble
  - Nicolas Coté, 10th December, GREYC, Université de Caen
  - Rémi Guyanneau, 19th November, LISA, Université d'Angers
  - Zhaoxia Peng, Lagis, Université de Lille
  - Xuan Son Nguyen, 28th Jun., LIP6, Université Pierre et Marie Curie,Paris 6
  - Caroline Ponzoni Carvalho Chanel, 12th Apr.,ONERA, Université de Toulouse/ISAE
  - Pedro Chahuara Quispe, 27th march, LIG, Université de Grenoble
  - Joni Pajarinen, 7th February, Aalto University
- François Charpillet was a member of the HdR committee of :
  - Frank Gechter, 4th December, SET, UTBM-Université de Franche-Comté
  - Stephane Galland, 11th December, SET, UTBM-Université de Franche-Comté

- Alain Dutech was a member of the PhD committee of
    - Tony Pinville, 30th January 2013, Université Paris 6 (referee),
    - Mahuna Akplogan, 15th May 2013, INRA Toulouse (referee),
    - Jean-Baptiste Hoock, 12th June 2013, Université Paris 11 (referee),
    - Joseph El-Gemayel, 25th June 2013, Université de Toulouse 1 (referee),
    - Lucie Daubigney, 1st October 2013, Université de Lorraine.
- Nazim Fatès was a member of the PhD committee of Markus Redeker, June 17th, 2013, Int. Center Unconventional Computing, Bristol University, UK.
- Olivier Simonin was a member was a member of the PhD committee of
    - Benjamin Cogrel, 18th November 2013, Univ. Paris Est Crétiel,
    - Remy Guyonneau, 19th November 2013, Univeristé d'Angers,
    - Nicolas Coté, 10th December 2013, Univ. de Caen,
    - Jean-Baptiste Soyez, 3rd December 2013, Univ. de Lille.
- Olivier Simonin was a member (as a referee) of the PhD committee of
    - Jorge Rios Martinez, 8th January 2013, LIG-Inria Rhône-Alpes Grenoble,
    - Cyril Poulet, 23rd April 2013, UPMC LIP6,
    - Yassine Gangat, 27th August 2013, Ile de la Réunion,
    - Feirouz Ksontini, 13th November 2013, Univ. de Valenciennes,
    - Madeleine El Zaher, 22th November 2013, Univ. Technologique de Belfort-Montbéliard,
    - Nicolas Carlesi, 19th December, Univ. Montpellier 2.

9.2.3.2. Specialist Committees

- François Charpillet was a member of "Specialist committee" in University of Grenoble
- Olivier Buffet was a member of the "Specialist committee" in Université de Caen Basse-Normandie.
- Alain Dutech was a member of the "Specialist committee" in Université Paris 13.

9.3. Popularization

- François Charpillet participated to the popularization of the robotic and Ambient Intelligence activity of the maia team :
    - http://videotheque.inria.fr/videotheque/media/25615
    - http://videotheque.inria.fr/videotheque/doc/809
    - http://vimeo.com/78659657
    - http://vimeo.com/83727993

- The popularization article by Alain Dutech, Bruno Scherrer and Christophe Thiéry on Reinforcement Learning for the game of Tetris, that was first published at Interstices, was revised and published at Images des Mathématiques [44].

- Vincent Thomas has organized, in collaboration with the "Bibliothèque Universitaire du Campus Lettres", an exposition "jeux: les ateliers de la pensée" where the main objective is to promote games as an interesting subject for academics. This exposition included two days of vulgarization seminars with specialists of several scientific fields (economy, psychology, computer science) and animations. See http://ticri.inpl-nancy.fr/wicri-lor.fr/index.php?title=Exposition_Jeu. The material of the exposition will be presented in several university libraries of the Université de Lorraine in the first half of 2014.

- Vincent Thomas participated in "Journée ISN-EPI" (Jun. 27 2013) whose audience is computer science teachers of secondary school by making a presentation on "games and artificial intelligence" and by organizing a workshop on the same subject. Vincent Thomas is participating in the LORIA IDEES group dedicated to teaching activities http://idees.loria.fr/index.php?n=Main.ProgrammeJourneeISN-EPI.

- Vincent Thomas participated in "Dans les coulisses d'un labo d'informatique" (Mar. 21 2013) by proposing an animation about "artificial intelligence and video games" for secondary school students https://iww.inria.fr/NanSciNum/dans-les-coulisses-dinria-nancy-grand-est-2/.

- Vincent Thomas and Olivier Buffet participated in "Fête de la Science" by organizing a workshop on board games and artificial intelligence (Oct. 10 and 12). See https://iww.inria.fr/NanSciNum/un-ticet-pour-la-science/.

- Nazim Fatès animated two debates following the presentation of the film *Codebreaker* which is a "biopic" dedicated to Alan Turing: in January, it was presented at the Lycée Jean-Moulin in Forbach; in November, it was presented in the main cinema of Saint-Dié-des-Vosges (organisation by "Festival du film de chercheur").

- Christine Bourjot, Alain Dutech and Nazim Fatès participated in a debate on artificial intelligence in the café "l'Irlandais" with a public mainly constituted of university students.

<p align="center" style="color:red">OAK Project-Team</p>

8. Dissemination

8.1. Scientific Animation

Journal editorial responsibilities

– I. Manolescu has been the editor-in-chief of the ACM SIGMOD Record and an associate editor of the ACM Transactions on Internet Technologies. She has also been a member of the editorial board of PVLDB. Further, she has been the guest editor of a special issue of the *Ingénierie et Science Informatique (ISI)* journal vol. 18, no. 4, 2013.

Program committees memberships

– Nicole Bidoit served in the program committee of ADBIS 2013, the 7th East-European Conf. on Advances in Databases and Information Systems, Genoa (Italy).

– Bogdan Cautis served as program committee member for the international conferences ACM SIGMOD 2013 and ACM CIKM 2013.

– Dario Colazzo served as program committee member for the national conference Bases de Données Avancées (BDA) 2013.

– F. Goasdoué has participated to the program committees of the International Joint Conference on Artificial Intelligence (IJCAI, senior PC), IEEE International Conference on Tools with Artificial Intelligence (ICTAI), and International Workshop on Open Data (WOD), 2013.

– M. Herschel served as program committee member at the following conferences: Bases de Données Avancées (BDA) 2013, Advances in Databases and Information Systems (ADBIS) 2013, Data Management Technologies and Applications (DATA) 2013, IEEE Big Data 2013, Extending Database Technology (EDBT) 2013, and Business, Technology, and Web (BTW) 2013.

– I. Manolescu has participated to the program committees of the ACM SIGMOD Conference 2013, EDBT 2013 demonstration track, International Workshop on the Web and Databases (WebDB) 2013, Workshop on Open Data (WOD) 2013, and the Workshop "Data Engineering Meets the Semantic Web (DESWEB)" associated with the IEEE ICDE Conference, 2013.

Participation to scientific bodies

– International:
  * I. Manolescu: member of the ACM SIGMOD Executive Committee, the EDBT Association, and the IEEE TCDE Awards Committee (since October 2013).

– National:
  * I. Manolescu has been the president of the *Bases de Données Avancées (BDA)* steering committee in Jan-Oct 2013.
  * N. Bidoit and I. Manolescu: members of the BDA committee.

– Faculty recruitment committees:
  * N. Bidoit has been a member of a Professor recruitment committee at UNIV. PARIS-SUD (IUT).
  * I. Manolescu has been a member of a Assistant Professor recruitment committees at U. Paris VI and U. Paris IX, and of a Professor committee at U. Paris IX.

– Other local committees and responsibilities:

* Nicole Bidoit has been the head of the UNIV. PARIS-SUD Database team (until Jun 2013). In July, the team has fused with another Univ. one to form the new University team LaHDaK, of which N. Bidoit is the vice-head.

* Nicole Bidoit is the head of the CS Doctoral School (ED 427) of UNIV. PARIS-SUD, a member of the HdR ad-hoc Committee, a member of the Inria SIF Scientific Committee, and is in charge of the CS Doctoral School in the EIT ICT Labs Doctoral Program. She is also a member of the LRI council, of the CCSU 27, and of the Telecom SudParis School Committee.

* Nicole Bidoit and Ioana Manolescu are members of the steering committee of *Institut de la Société Numérique - ISN* within the Paris-Saclay IdEx.

* Ioana Manolescu is a member of the executive committee of the DIGICOSME LabEx; she is also an elected member of Inria SIF personnel representative committee (since Oct 2013).

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Licence: François Goasdoué, Databases, 62.5 ETD, L3, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Relational database systems: application tuning, 21h ETD, M2, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Databases, 21 ETD, M2, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Database Management Systems, 36h ETD, Polytech, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Databases, 21 ETD, Polytech, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Advanced Databases, 31 ETD, Polytech, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Remedial Databases, 17 ETD, M1, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Web Data Management, 18 ETD, M1, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, Databases, 20 ETD, Polytech, UNIV. PARIS-SUD, France.

Master: Dario Colazzo, XML and Web programming, 18 ETD, M2, UNIV. PARIS-SUD, France.

Master: François Goasdoué, Semantic Web, 74 ETD, M2, UNIV. PARIS-SUD, France.

Master: François Goasdoué, Data and Knowledge for the Web, 7.5 ETD, M2, UNIV. PARIS-SUD, France.

Master: François Goasdoué, Distributed Reasoning, 4.5 ETD, M2, UNIV. PARIS-SUD, France.

Master: Ioana Manolescu, Big Data Algorithms and Techniques for the Web, 18 ETD, M2, UNIV. PARIS-SUD, France.

Master: Melanie Herschel, Data Warehouses and OLAP, 99.5 ETD, M2, UNIV. PARIS-SUD, France.

Master: Bogdan Cautis, Introduction to Databases, 30 ETD, M1, Telecom ParisTech, France.

Master: Bogdan Cautis, Advanced Databases, 60 ETD, M1, Telecom ParisTech, France.

Master: Bogdan Cautis, Modern Web Data Management, 45 ETD, Telecom ParisTech – Athens week, France.

Master: Bogdan Cautis, Massive Data Analysis, 18 ETD, Ecole Polytechnique – COMASIC Master, France.

8.2.2. Supervision

PhD: Julien Leblay, "Techniques d'optimisation pour des données semi-structurées du web sémantique", UNIV. PARIS-SUD, September 2013, François Goasdoué and Ioana Manolescu.

PhD: Asterios Katsifodimos, "Scalable view-based techniques for web data : algorithms and systems", Univ. Paris-Sud, July 2013, Ioana Manolescu.

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

Jesús Camacho-Rodríguez : "Cloud-based Web Data Management", since October 2011, Dario Colazzo and Ioana Manolescu.

Alexandra Roatiş: "Scalable Database Techniques for the Semantic Web", since October 2011, 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", since October 2011, Bogdan Cautis.

8.2.3. *Juries*

Ioana Manolescu   has been a member of the PhD committee of Siarhei Bykau in April 2013, University of Trento, Italy.

François Goasdoué   has been a member of the PhD committee of Anh Tuan Ly in December 2013, University Paris-Sud, France.

Bogdan Cautis   has been a member of the PhD committee of Émilien Antoine (December 2013, University of Paris-Sud, France.

8.3. Popularization

- T. Ghosh, I. Manolescu, A. Tzompanaki, A. Roatiş and S. Zampetakis have presented a graph-based game to the audience of *Fête de la Science* in October 2013.

- Still part of *Fête de la Science* 2013, I. Manolescu has participated to a "speed dating" event between researchers and high-school students in Paris.

ORPAILLEUR Project-Team

9. Dissemination

9.1. 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 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 (mainly GDR CNRS I3 and BIM).

- The members of the Orpailleur team are involved in the organization of conferences and workshops, as members of conference program committees (ECAI, IJCAI, PKDD, ICFCA ...), as members of editorial boards, and finally in the organization of journal special issues.

- Valmi Dufour-Lussier, Emmanuelle Gaillard and Alice Hermann have organized the 21th French workshop on case-based reasoning in the framework of PFIA-2013 (*Plateforme IA 2013*). This workshop is an annual meeting gathering junior and senior researchers from different communities.

- Emmanuel Nauer co-organized the "Cooking with Computers" workshop at IJCAI 2013 (Beijing, China). This workshop aims at bringing together researchers from every possible fields of artificial intelligence applying their research on food and cooking.

- Amedeo Napoli organized with Sergei O. Kuznetsov (HSE Moscow) and Sebastian Rudolph (TU Dresden) the second workshop FCA4AI ("What can do FCA for Artificial Intelligence") which was associated with the last IJCAI Conference in Beijing (China, August 2013, http://ijcai13.org/program/workshop/30).

- Amedeo Napoli organized with Claudio Carpineto (Fondazione Ugo Bordoni, Roma) and Sergei O. Kuznetsov (HSE Moscow) a Workshop in Moscow, March 24 2013, on "Formal Concept Analysis meets Information Retrieval" (http://www.hse.ru/en/org/hse/fcair). This was a joint workshop with the ECIR Conference.

- Amedeo Napoli organized with with Francisco Carvalho of the organization of a Workshop in Recife (Brazil), April 24-26, namely the s"French-Brazilian Workshop on Numerical and Symbolic Methods of Data Analysis -WFB2013" (http://www.cin.ufpe.br/~wfb2013/). This workshop took place within an Inria-Facepe joint project where Amedeo Napoli and Francisco Carvalho are the scientific leaders.

- Amedeo Napoli was in charge of the organization of the so-called "Journées de la Société Franco-phone de ChemoInformatique" (SFCI) in October 2013 at LORIA (October 10th and 11th), which is the meeting of researchers working on chemoinformatics and computational chemistry in France, gathering around 100 persons (http://sfci2013.loria.fr/).

- Jean-Sébastien Sereni organized a workshop on combinatorics and distributed computing in the scope of the LEA STRUCO, with 21 participants, on November 12th–15h, 2013, in Pont-à-Mousson, France (http://www.liafa.univ-paris-diderot.fr/~sereni/STRUCO/CDCMeeting/).

- Mario Valencia has organized the Graph Days in Nancy on May 23th-24th 2013 (see http://www.loria.fr/news/journees-graphes-les-23-et-24-mai-2013-en).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

- The members of the Orpailleur team are involved in teaching at all levels of teaching in 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:
• Area Editor of the Information Systems international journal (2007-2013)
• General chair of BDA'2014
• PC member of EDBT'14, APVP'13, MOBIWIS'14

Luc Bouganim:
• PC member of EDBT'14, ICDE'14, HardDB'13
• 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

Nicolas Anciaux:
• Co-chair and co-organiser of APVP'2013
• PC member of BDA 2013
• Member of the Inria " Commission des Développements Technologiques " (CDT)
• Member of the recruiting committee at Université Paris-Dauphine for the assistant professor position N°0230

Benjamin Nguyen:
• chair of BDA'2013 Demonstration Track
• co-chair and co-organiser of APVP'2013
• PC member of ICCSAMA'13 and ACOMP'2013
• Editorial Committee of TSI French Journal since 2012
• Member of the recruiting committees of Paris Dauphine and Paris VI

Iulian Sandu Popa:
• PC member of MOBILWARE'2013

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.

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
• Member of the HDR committee of the STV doctoral school
• Co-founder of the "Masses de Données Distribuées" French summer school and co-organizer of its last three editions (2010, 2012, 2014)

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:
• Associate Professor at UVSQ. Courses on databases, programming in Master 2, Licence

• Responsible for the Computer Science Masters at UVSQ

• Responsible for in-house training course for Computer Science high-school teachers at UVSQ for Académie de Versailles

N. Anciaux: (90h/y)

• Courses on DBMS internal mechanisms, database technology in Master1 and Master2 (AFTI, Orsay), and in engineering school (ENSTA Paris)

I. Sandu Popa:

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

9.2.2. Supervision

PhD in progress : Quoc-Cuong To, Secure Global Computations on Personal Data Servers, since November 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, supervised by Luc Bouganim

PhD in progress : Matias Bjørling, Boosting IO Subsystem Performance on NVM Devices, since December 2011, co-supervised by Philippe Bonnet and Luc Bouganim

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

PhD in progress : Javier Gonzalez, Trusted Cell X: A Client-side Reference Monitor for Usage Control on a Trusted Execution Environment, since November 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)

9.2.3. Juries

• P. Pucheral: reviewer of Adeel Anjum PhD (Univ. Nantes, June 2013).

• B. Nguyen : PhD committee member of Johann VINCENT (Univ. Caen, June 2013).

• I. Sandu Popa: PhD Proposal Defense committee member of Susan (Juan) Pan (New Jersey Institute of Technology, April 2013), PhD committee member of Susan (Juan) Pan (New Jersey Institute of Technology, December 2013).

9.3. Popularization

• "Comment préserver l'anonymat", Pour la Science, n° 433, novembre 2013.

• "Bases de données en Classe Préparatoire", séminaire à Luminy, mai 2013.

• Tutorial on experimental methodology at the BDA summer school 2014 "Masses de données distribuées".

• Participation to the "Futur en Seine" event in Paris: http://web-tech.fr/linria-nous-devoile-ses-recherches-sur-les-smart-cities/

• "Une nouvelle approche de la protection de nos données", My Science Work, July 8, 2013, by Abby Tabor http://www.mysciencework.com/news/10335/une-nouvelle-approche-de-la-protection-de-nos-donnees

TYREX Team

8. Dissemination

8.1. Scientific Animation

C. Roisin is a member of the steering committee of the ACM Symposium on Document Engineering.

C. Roisin is a member of Inria Grenoble-Rhône-Alpes Committee for selecting PhD students by CORDI-S grants.

C. Roisin is a member of LIG Committee for selecting Grenoble INP and UJF AGIR projects.

C. Roisin is a member of OpenClassrooms Pedagogical Committee.

N. Layaïda is a member of Inria Grenoble-Rhône-Alpes Committee for Employment of Scientists: Inria hiring of Post-docs, Delegates and Secondments.

N. Layaïda is a member of Scientific committee of Persyval-Lab (Labex), Advanced Data Mining.

N. Layaïda is a member of the Evaluation committee of Minalogic cluster (Pôle de compétitivité mondial Grenoble Rhône-Alpes - Micro nanotechnologies et Logiciel).

J. Lemordant is a member of the steering committee of the European FP7 VENTURI project.

P. Genevès and N. Layaïda are program committee members for the 13th ACM Symposium on Document Engineering (DocEng'13).

P. Genevès is a permanent member of Inria Grenoble-Rhône-Alpes Committee for Technological Development: Inria hiring of Research Engineers.

N. Gesbert is a member of COST Action IC1201, « Behavioural Types for Reliable Large-Scale Software Systems ». He attended a meeting in Rome where he gave a talk about session types in a java-like language. He also participated in writing a state-of-the-art report about behavioural types.

P. Genevès has been a member of the COST Action IC0901, entitled "Rich-Model Toolkit - An Infrastructure for Reliable Computer Systems". In particular he has been invited to the SVARM 2013 workshop co-located with POPL 2013, and nominated for representing France in decisions taken concerning this COST Action.

P. Genevès gave an invited talk about "A Tree Logic and an Application for the Analysis of Cascading Stylesheets" at the Laboratoire de Recherche en Informatique in Orsay in February 2013.

P. Genevès gave an invited talk about "Static Analysis for Data-Centric Web Programming" at the Qatar Computing Research Institute (QCRI), in Doha, Qatar, in November 2013.

In 2013, P. Genevès has been a referee for the following international journals: ACM Transactions on Database Systems and Theoretical Computer Science; and for the ACM symposium on User interface software and technology (UIST) 2013.

In 2013, N. Gesbert has been a referee for the following international journals: Theoretical Computer Science, and Mathematical Structures in Computer Science; as well as for the European Symposium on Programming (ESOP) 2013.

In 2013, C. Roisin has been a referee for the following international conferences: ACM Document Engineering, and Springer Multimedia Systems.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Licence: Computer Networks, 100h/year, L2, University of Grenoble – C. Roisin

Licence: Logic, 67h30/year, L3, University of Grenoble – N. Gesbert

Licence: Algorithmics, 60h/year, L3, University of Grenoble – N. Gesbert

Licence: Academic-side tutoring of an apprentice, 10h/year, University of Grenoble – N. Gesbert

Master: Logic, 22h30/year, M1, University of Grenoble – N. Gesbert

Master: Web development, 22h30/year, M1, University of Grenoble – N. Gesbert

Master: Software analysis, conception and validation, 45h/year, M1, University of Grenoble – N. Gesbert

Master: Foundations for XML: logics and automata, 18h/year, M2 (Mosig), University of Grenoble – P. Genevès

Master: Fundamentals of Mobile Frameworks and Applications, 50h/year, M1, Polytech, University Joseph Fourier of Grenoble – J. Lemordant

Master: Fundamentals of Mobile Frameworks and Applications, 50h/year, M2, University Scientific and technologic of Hanoi – J. Lemordant

Master: Fundamentals of Mobile Frameworks and Applications, 36h/year, M1, MIAGE, University Joseph Fourier of Grenoble – J. Lemordant

Master: Fundamentals of Mobile Frameworks and Applications, 36h/year, M2, University Pierre Mendes-France of Grenoble – J. Lemordant

8.2.2. Supervision

HdR: N. Layaïda, Representation and analyses of web content and processing, Université de Grenoble, 23 April 2013.

PhD in progress: D. Graux, Large scale evaluation of semantic web queries, since November 2013, N. Layaïda and P. Genevès

PhD in progress: N. Guido, Satisfiability for Expressive μ-calculi, since October 2012, C. Roisin and P. Genevès

PhD in progress: M. Junedi, Query-Update Independence Analysis under Constraints , since October 2012, C. Roisin and N. Layaïda

8.3. Popularization

J. Lemordant has participated in several events to popularize recent results in the areas of accessible pedestrian navigation, namely conferences at the Osaka City University.

J. Lemordant has participated in several events to popularize recent results in the areas of pedestrian navigation and mixed reality, namely the 6th European eAccessibility Forum and the State Of The Map 2013 conference.

P. Genevès has contributed to the creation of a video for disseminating the obtained research results. This video was displayed during the ceremony when he received the CNRS Bronze Medal. Intended for a very wide audience, it presents the societal challenges addressed, introduces the obtained research results and their applications.

J. Lemordant, T. Michel and M. Razafimahazo showcased indoor and outdoor navigation to Indian journalists (Education Times, Economic Times, Hindustan Times, The Hindu, NDTV) and have been interviewed by Monideepa Banerjee (NDTV). Grenoble, October 2013.

J. Lemordant, T. Michel and M. Razafimahazo have participated to Experimenta 2013 to present their results on the 3D audio integrated in the first year VENTURI demonstrator. Grenoble, October 2013.

M. Razafimahazo has participated to Museomix and developed in 12 hours an iOS application called Museomix#Gre based on TYREX technologies for the Dauphinois Museum. It consists of an interactive map of the museum and visitors were able to understand the concept of virtual reality by being immersed in 5 different panoramas taken during the event. Grenoble, November 2013.

WIMMICS Project-Team

9. Dissemination

9.1. Scientific Animation

Michel Buffa:

was Program Committee member of WWW Workshop about Semantic Web Collaborative Spaces (SWCS).

Elena Cabrio:

was Program Committee chair of CLEF 2013 lab Multilingual Question Answering over Linked Data (QALD-3), and of the 2nd Workshop on Argumentation in Artificial Intelligence and Philosophy: computational and philosophical perspectives (ARGAIP 2013).

She was PC member of the Extended Semantic Web Conference (ESWC 2013), the Association for Computational Linguistics conference (ACL 2013), the Workshop on Web of Linked Entities (WoLe 2013) WWW 2013, the Joint Symposium on Semantic Processing (JSSP-2013).

Olivier Corby :

was Program Committee member of: Conférence de Recherche en Informatique (CRI), Cooking with Computer Workshop at IJCAI, 3rd International Workshop on Graph Structures for Knowledge Representation and Reasoning (GKR'13) at IJCAI, 2nd International Workshop on Querying Graph Structured Data at EDBT/ICDT, Journées Ingénierie des Connaissances (IC);

was reviewer for: ISWC, workshop *Des Sources Ouvertes au Web de Données* (SOS-DLWD) at Plateforme IA;

was reviewer of a project proposal for the ANR;

was invited to give a talk on Semantic Web at a workshop organized by the AnaEE program (CNRS, INRA) [17], december 5-6.

Catherine Faron Zucker :

coorganized a scientific journey on e-learning environments and artificial intelligence, sponsored by the national AFIA and ATIEF associations [18],

is chairwoman of the French conference on Knowledge Engineering IC 2014 which will take place on May 2014 [19].

was invited for a talk and a tutorial on the Web of Data and the Semantic Web at JDEV2013 (Journées nationales du Développement Logiciel JDEV); the audience was CNRS, Inria and INRA engineers [20],

was invited for a talk on the Web of Data and ontology at a workshop organized by the AnaEE program at the station for experimental ecology; the audience was CNRS and INRA engineers and researchers.

is member of the board of the French association for Artificial Intelligence (AFIA) and participates to its monthly meetings.

She was member of the program committee of:

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[17] http://www.anaee-s.fr/
[18] http://www.irit.fr/EIAH2013/index.php?page=journee-eiah-ia
[19] http://www.irit.fr/IC2014
[20] http://devlog.cnrs.fr/jdev2013

Int. Semantic Web Conference (ISWC), Int. Joint Conference on Artificial Intelligence (IJCAI), Int. Conf. on Knowledge Engineering and Ontology Development (KEOD), Int. Conf. on Knowledge and Systems Engineering (KSE), Conférence nationale d'Ingénierie des Connaissances (IC), Workshop on Graph Structures for Representation and Reasoning (GKR), Colloque National (sénégalais) sur la Recherche en Informatique et ses Applications (CNRIA).

Fabien Gandon was:

Publicity chair for ESWC 2013,

Reviewer for Journals: Intellectica,

Reviewer for Conferences: EGC [21] ESWC [22] Hypertext [23] IC [24] ICWSM [25] IJCAI [26] ISWC (Senior PC) [27] SAC [28] TOTh [29] VLDB [30] WebSci [31] WI [32] WWW [33]

Reviewer for Workshops: MSM [34] PrivOn [35] QetR [36] SPIM [37] SSN Semantic social networks [38] SemanticCities [39] SWCS [40] WebS [41].

Reviewer for project proposals at Digiteo-DigiCosme,

Reviewer of a book for Morgan Kaufmann, an imprint of Elsevier.

Alain Giboin was :

Member of the steering committee of the COOP conference series (International Conferences on the Design of Cooperative Systems),

Member of the program committee of COOP 2014,

Member of the organizing committee of COOP 2014,

Member of the program committee of IC 2013, 24èmes Journées francophones d'Ingénierie des Connaissances, 3-5 July 2013, Lille, France and I-SEMANTICS 2013, The 9th International Conference on Semantic Systems, 4-6 September 2013, Graz, Austria,

Member of the organizing committee of the colloquium eSP 2013 (e-Santé de Proximité), 31 May 2013, Roquefort-les-Pins.

Nhan Le Than organized the First National Workshop on *e-Plateforme de Santé de Proximité* Roquefort-Les-Pins, May 31, (eSP 2013) [42]. He was AERES expert to examine the diploma projects of the "Marne la Vallée Paris-Est University".

Isabelle Mirbel was Program Committee member of:

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[21] http://www.irit.fr/EGC2013/
[22] http://2013.eswc-conferences.org/
[23] http://ht.acm.org/ht2013/
[24] http://pfia2013.univ-lille1.fr/doku.php%3Fid=fr:ic.html
[25] http://www.icwsm.org/2013/
[26] http://ijcai13.org/
[27] http://iswc2013.semanticweb.org/
[28] http://users.marshall.edu/~hanh/SWA2013/
[29] http://www.porphyre.org/toth
[30] http://www.vldb.org/2013/
[31] http://www.websci13.org/
[32] http://cs.gsu.edu/wic2013/wi
[33] http://www2013.org/
[34] http://oak.dcs.shef.ac.uk/msm2013/
[35] http://privon.semanticweb.org/
[36] http://www.irit.fr/QetR/2013/
[37] http://2013.spim-workshop.org/
[38] http://ufrsciencestech.u-bourgogne.fr/~abrouk/SSN/
[39] http://research.ihost.com/semanticcities13/index.html
[40] http://www.swcs2013.org/
[41] http://www.faw.jku.at/wwoess/webs/webs.html
[42] http://hal.inria.fr/ESP13

25th International Conference on Advanced Information Systems Engineering (CAISE 2013), 21st European Conference on Information Systems (ECIS 2013), Seventh IEEE International Conference on Research Challenges in Information Science Doctoral Consortium.

Andrea Tettamanzi served as Program co-chair of the "EvoFin" track of the EvoApplications 2013 conference, and as the chair of EvoTransfer, a technology-transfer event, now in its 2nd edition, in the framework of Evo* 2013, which took place in Vienna in April this year, and is serving in the same capacities for the next edition of 2014 in Granada. He is program co-chair for the area of fuzzy systems for IBERAMIA, the latin American conference on artificial intelligence.

He has served as a referee for the Information Sciences journal, the Applied Soft Computing Journal, the Computational Intelligence journal, the Transactions on Knowledge and Data Engineering, and the Genetic Programming and Evolvable Machines journal.

Finally, he has served or is serving in the program committees of GECCO 2013, GeLiDD 2013, IAT 2013, IJCAI 2013, and PPSN 2014 conferences.

Serena Villata was Program Chair of the 2nd Artificial Intelligence meets the Web of Data workshop (AImWD-2013) co-located with the ESWC-2013 conference, and of the 2nd Workshop on Argumentation in Artificial Intelligence and Philosophy: computational and philosophical perspectives (ARGAIP 2013), co-located with the AI*IA-2013 Conference. She was PC member of the AAMAS-2013, IJCAI-2013, COREDEMA-2013, TAFA-2013, CLIMA XIV, PRIMA-2013, EUMAS-2013, ICAART-2013. She served as a reviewer for the following international journals: ACM Transactions on Intelligent Systems and Technology, Journal of Logic and Computation, Argument & Computation, Journal of Biomedical Informatics.

9.1.1. *Invited Talk*

Fabien Gandon:

Semantics and Social Networks for Business Intelligence, SOFSEM, January 28-31.

Le Web 3.0, la culture, les langues, Expolangues conference, February 2, Ministère de la Culture et de la Communication.

Le labyrinthe des évolutions du Web, Centre des Jeunes Dirigeants, Cannes Sophia Antipolis, April 10.

Semantic and Social (Intra) Webs, ICEIS, 2013: http://www.iceis.org

Panel *Information Systems in the Enterprise of the future: what place for Models, Services, and Semantics?*, ICEIS, 2013: http://www.iceis.org Panel "Open Data in Science", conference i-KNOW 2013.

Quand le lien fait sens, Conference BLEND, Lyon, October 2.

Données de la culture et culture de la donnée, Conférence Automne Numérique, *Transmettre la culture à l'ère numérique*, November 7, Ministère de la Culture et de la Communication, Microsoft Campus.

Le Web au prisme de la ressource, Séminaire Nouvelles formes d'éditorialisation, IRI, la revue Sens Public et l'Université de Montréal, centre Georges Pompidou, November 28.

Bridging formal semantics and social semantics on the Web, SMAP 2013, December 12, http://www.smap2013.org

9.2. Teaching - Supervision - Juries

9.2.1. *Teaching*

Licence : **Nhan Le Thanh**, *Web programing*, 30h, L1 & L2, IUT UNS.

Licence : **Nhan Le Thanh**, *Design tools and programming relational DBMS*, 105h, L2, IUT UNS.

Licence : **Nhan Le Thanh**, *Theoretical basis of Computation*, 45h, L2, IUT UNS.

Licence : **Olivier Corby, Catherine Faron Zucker**, *Semantic Web*, 36h, L3, IUT UNS.

Licence : **Catherine Faron Zucker**, *Programmation par Objets et algorithmique*, 130h, L3, UNS.

Licence : **Catherine Faron Zucker**, *Statistics for Data Analysis*, 39h, L3, UNS.

Licence : **Maxime Lefrançois**, *Java*, 45H, L2, IUT UNS.

Licence : **Maxime Lefrançois**, *SGBD Java*, 68H, L2, IUT UNS.

Licence : **Maxime Lefrançois**, *UML*, 48H, L2, IUT UNS.

Licence : **Maxime Lefrançois**, *Multimedia Web*, 10H, L3, IUT UNS.

Licence : **Maxime Lefrançois**, *Semantic Web*, 20H, L3, IUT UNS.

Licence : **Nhan Le Thanh**, *Logical Data Models and languages*, 24h, L3, IUT UNS.

Licence : **Nhan Le Thanh**, *Design and Development of DBMS services*, 24h, L3, IUT UNS.

Licence : **Nhan Le Thanh**, *Architecture of Software Engineering*, 12h, L3, IUT UNS.

Licence : **Isabelle Mirbel**, *Databases*, 63h, L3, UNS.

Licence : **Andrea Tettamanzi**, *Introduction au Web*, 37h, L1, UNS.

Licence : **Andrea Tettamanzi**, *Algorithmique – Programmation Objet – Python*, 50h, L2, UNS.

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

Master : **Michel Buffa**, *New Interaction Means, HTML5*, 8h, M2, Polytech UNS.

Master : **Elena Cabrio, Catherine Faron Zucker, Fabien Gandon, Andrea Tettamanzi, Serena Villata**, *Knowledge Engineering*, 20h, M2, PolyTech Nice, UNS.

Master : **Elena Cabrio**, *XML Technologies*, 16h, M1, MIAGE UNS.

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

Master : **Catherine Faron Zucker**, *Document Langages: XML, XSD & XSL*, 24h, M1, UNS.

Master : **Catherine Faron Zucker**, *Document Langages: XML, XSD & XSL*, 32h, M2, UNS.

Master : **Catherine Faron Zucker**, *HTML 5*, 18h, M1, UNS.

Master : **Catherine Faron Zucker**, *Network Programing*, 12h, M1, UNS.

Master : **Fabien Gandon**, *Web Sémantique ou comment se déploient sur le Web les données liées et la sémantique de leurs schémas*, 2H, M2, Ecole Centrale Paris.

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

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

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

Master : **Andrea Tettamanzi**, *Distributed Systems*, 18h, M1, UNS.

Master : **Andrea Tettamanzi**, *Concurrency and Parallelism*, 18h, M1, UNS.

Catherine Faron Zucker is responsible of the course of study *Knowledge and Information Systems* in Master 2 IFI from University of Nice Sophia Antipolis and the fifth year of the computer Science department of the engineer school Polytech Nice Sophia.

She is tutoring 3 internships of the Polytech engineering school at UNS and 4 apprentices in Master (30h).

Together with **Isabelle Mirbel, Elena Villata** supervises the "Projet de Fin d'Etudes" (PFE) of two students (i.e. Abdoul Macina (Master KIS) and Margot Bastaert (Master AL)). The subject is the design and development of a socio-semantic recommendation system for a carpooling application.

Nhan Le Thanh is responsible of Licence LPSIL IDSE (Informatique Distribuée et Systèmes d'information d'Entreprise) at UNS.

Isabelle Mirbel was *Vice-Dean* of Science departement at UNS in charge of Professional Insertion and *Vice-Head* of MIAGE at UNS.

Andrea Tettamanzi has participated in the successful submission of a proposal for an Erasmus Mundus student and staff mobility project with East Asia (EMMA East 2014, EACEA Project no. 2013-2539), wich was awarded by the European Commission a funding of EUR 3,049,575 over three years. He is now serving as deputy co-ordinator of this project, which started on October 1.

9.2.2. Tutorial

Michel Buffa:

HTML5, Online course for W3DevCapus.com, the online classrooms provided by the W3C. Sessions happened in March 2013, June 2013, September 2013 and last 6 weeks.

HTML5/JavaScript, ISN days for high school math teachers.

HTML5 course given to CNRS engineers (2-4 december 2013).

HTML5, W3C tutorial, 22nd International World Wide Web Conference (WWW 2013), May 2013, Rio de Janeiro, Bresil.

HTML5, JDEV, 4-6 September, Ecole polytechnique.

Les nouveautés de HTML5, Blend Web Mix conference, 1-2 October 2013, Lyon, France.

Les possibilités de HTML5, conférence Paris Web, 10-12 October 2013, Paris, France.

Fabien Gandon:

An Introduction to Semantic Web and Linked Data, W3C tutorial, 22nd International World Wide Web Conference (WWW 2013), May, Rio de Janeiro, Bresil.

9.2.3. PhD Supervision

PhD: **Franck Berthelon**, *Emotional State Detection from Electroencephalogram Data for "Serious Games"*, UNS, December 16, Peter Sander ;

PhD: **Khalil Bouzidi**, *Semantic Web Approach to Support the Creation of Technical Regulatory Documents in Building Industry*, UNS, CSTB, September 11, Nhan Le Thanh, Catherine Faron Zucker, Bruno Fies.

PhD: **Luca Costabello**, *Mobile Access to the Web of Data*, Inria, UNS, November 29, Fabien Gandon, Ivan Herman.

PhD: **Imen Tayari**, *Representation, Annotation and Detection of Emotions in Multimodal Signals* , Sfax, UNS, April 12, Nhan Le Thanh and Chokri Ben Amar.

PhD in progress : **Pavel Arapov**, *Semantic Application Wiki*, UNS, Michel Buffa, Nhan Le Thanh ;

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 Than ;

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 : **Corentin Follenfant**, *Usage semantics of analytics and Business Intelligence tools*, UNS, SAP, Fabien Gandon, Olivier Corby, David Trastour;

PhD in progress : **Amine Hallili**, *Assistant Conversational Agents with Natural Language and Intuition*, UNS, Catherine Faron, Fabien Gandon;

PhD in progress : **Rakebul Hasan**, *Explanations for Social Semantic Web*, UNS, Fabien Gandon;

PhD in progress : **Maxime Lefrançois**, *Collaborative Multilingual Management of Interlingual Knowledge Bases*, Inria, UNS, Fabien Gandon, Christian Boitet;

PhD in progress : **Nicolas Marie**, *Pervasive sociality through social objects*, Alcatel Lucent Bell Labs, Fabien Gandon, Myriam Ribière;

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;

PhD in progress : **Thi Hoa Hue Nguyen**, *Semantic Mappings with a Dataflow-based scientific worflow : 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 architecture: design and implement an APM (Activity Process Management) platform for dynamic information systems on the networks*, UNS, Nhan Le Thanh;

PhD in progress : **Oumy Seye**, *Rules for the Web of Data*, University Gaston Berger, Saint-Louis, Sénégal, Olivier Corby, Catherine Faron Zucker, Moussa Lo.

9.2.4. Internship

Nafissa Belhoussine, *Highlighting Stakeholders Communities in Collaborative Software Development Platforms*, M2 MIAGE MBDS, UNS, from Feb until Aug.

Amel Ben Othmane, *WikiNEXT comme Plateforme de démonstration pour des applications Web sémantiques*, Master2 MBDS UNS, from Apr until Sep.

Thibaut Comte, *Reador : Conception de l'IHM d'un agrégateur et analyseur de news*, Licence Miage, UNS, from May until Aug.

Antoine Dailly, *A Study on Semantic Similarity Metrics for a Question Answering System*, L3, École Normale Supérieure de Lyon, from June until August.

Romain Gugert, *Scénarisation d'interactions avec les objets du formalisme des Graphes d'Unités et prototypage d'un éditeur de définitions lexicographiques formelles*, Master 2 IAD C2IHM, University Pierre et Marie Curie (Paris VI), from Apr until Sep.

Amine Hallili, *Study and development of a question answering system for French*, Master MIAGE UNS, from March until Aug.

Damien Legrand, *Discovery Hub User Interface* from Mar until Aug.

Abdoul Macina, *SPIN and SQL Pretty Printing*, Master 1 UNS, from Jun until Aug.

Bastien Maria, *Connecteur API twitter et API du journal "The Guardian"* Master 1 UNS, from May until Aug.

Célia Ormea, *Caddie ou cabas comme dispositif d'assistance aux personnes âgées et fragilisées : étude d'un point de vue ergonomique*, Master "Sociologie et Ergonomie des technologies numériques", UNS, from Mar until Aug.

Vivek Sachidananda, *QAKiS System Multimedia Answers Visualization*, in collaboration with R. Troncy Eurecom, from Sept.

Nicolas Sartori, *Visualizing Stakeholders Communities in Collaborative Software Development Platforms*, L3 MIAGE UNS, from May until Aug.

Iacopo Vagliano, *Web Application for Shi3ld Access Control Policies* from Mar until Sep, Politecnico di Torino, Italy.

9.2.5. Juries

Fabien Gandon was member of Juries:

Andrei Vlad Sambra: *Data Ownership and Interoperability for a Decentralized Social Semantic Web*, PhD Thesis, Telecom SudParis, University Pierre et Marie Curie.

Gaoussou Camara: *Conception d'un système de veille épidémiologique à base d'ontologies – Application à la schistosomiase au Sénégal*, PhD Thesis, University Pierre et Marie Curie and University Gaston Berger.

Benjamin Renoust: *Analysis and Visualisation of Edge Entanglement in Multiplex Networks*, PhD Thesis, University of Bordeaux.

Rallou Thomopoulos : *Aide à la décision dans les filières agroalimentaires*, HdR, Université Montpellier II.

Nhan Le Thanh was reviewer of the PhD thesis of Emilien Bondu, *Contribution à la veille stratégique : Système d'aide à la capitalisation et à l'exploitation de connaissances expertes*, INSA Rouen, November 5.

Catherine Faron Zucker was jury member of the PhD thesis of Alban Gaignard, was member of a selection committee of the University of Grenoble (UPMF) for the recruitment of an associate professor.

Isabelle Mirbel was Reviewer of PhD Thesis:

Cheikh Ahmed Tidiane Niang, *Vers plus d'automatisation dans la construction de systèmes médiateurs pour le Web sémantique - une application des logiques de description*, University Gaston Berger, Saint-Louis, Sénégal, July 5th.

Michal Krzysztof Szczerbak, *Collaborative situation awareness*, Télécom Bretagne, September 18th.

Camille Pradel, *D'un langage de haut niveau à des requêtes graphes permettant d'interroger le Web sémantique*, Université Toulouse 3 Paul Sabatier, December 12th.

9.3. Popularization

Julien Cojan presented *DBpedia: Wikipédia pour les machines* at café-in seminar, Inria Sophia Antipolis, June 27, [43]

Fabien Gandon:

Le Web sémantique comment ça marche ?, Mines d'Alès, Nîmes, Communication science et société, February 12.

Web sémantique: ou comment se déploient sur le Web les données liées et la sémantique de leurs schémas, Total, February 27.

Le Web de Demain, médiation scientifique, Lycée Guillaume Apollinaire Nice, March 26.

Le Web Sémantique, interview Graphemeride, April 15.

Le Web sémantique, Sophia/Metropole Mag, June.

Web de données et Web sémantique, ressources ubiquitaires pour nos villes et territoires Innovative City Convention, June 18-19.

Web: terra incognita, Nuit des chercheurs, Alès, September 27.

Interview for the magazine *Documentaliste SI* Doc-SI n°3-2013 Webinaire *Roger Pédauque II*, October 10.

Maxime Lefrançois participated to the Science Festival - October 10th to 14th, 2012 - with the Association des Jeunes Chercheurs des Alpes Maritimes (AJC06). He conceived and animated scientific experiences on different energy sources.

We welcomed a scholar for a visit of one week, December 16-20.

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[43]https://project.inria.fr/mastic/cafe-in-27-juin-wikipedia-pour-les-machines/

<p style="text-align:center;color:red;font-weight:bold;">ZENITH Project-Team</p>

9. Dissemination

9.1. Scientific Animation

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.
- Proceedings of the VLDB Endowment (PVLDB): E. Pacitti.
- Distributed and Parallel Databases, Kluwer Academic Publishers: 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-Verlag): P. Valduriez.
- Ingénierie des Systèmes d'Information, Hermès : P. Valduriez.

Participation to the organization of conferences and workshops:

- Alexis Joly and Julien Champs were chair of the video program track of ACM Multimedia 2013
- Alexis Joly co-organized ImageCLEF 2013 workshop (within CLEF 2013 conference)
- Alexis Joly co-organized a special session on Image Processing and Pattern Recognition for Ecological Applications at ICIP 2013
- Alexis Joly organized a workshop in the context of the French ISIS working group on large-scale multimedia data linking and mining (Liage, structuration et fouille de grandes données multimédia)
- Alexis Joly co-organized the OT-Media Workshop on Big Data for Media Analysis

Participation in conference program committees :

- ACM SIGMOD Conf. 2014: R. Akbarinia, P. Valduriez (area chair)
- Int. Conf. on Extending DataBase Technologies (EDBT), 2014: R. Akbarinia, A. Joly, F. Masseglia
- IEEE Int. Conf. on Data Engineering (ICDE) 2014: P. Valduriez
- Int. Conf. on Middleware 2012: E. Pacitti
- IDEAS 2013: P. Valduriez
- Brazilian e-Science Workshop 2013: E. Pacitti
- Journées Bases de Données Avancées (BDA) 2013: A. Joly
- Int. Workshop on Open Data, 2013: P. Valduriez
- ACM Multimedia, 2013: A. Joly
- ACM Int. Conf. on Multimedia Retrieval (ICMR), 2013: A. Joly
- CLEF 2013, 2014: A. Joly
- Int. Conf. on Multimedia Modeling 2013: Alexis Joly
- ACM Symposium On Applied Computing (ACM SAC, Data Stream track), 2013: F. Masseglia
- Conférence Internationale Francophone sur l'Extraction et la Gestion de Connaissance (EGC), 2013: F. Masseglia
- IEEE Int. Conf. on Data Mining (ICDM), 2013: F. Masseglia
- Int. Pacific-Asia Conf. on Knowledge Discovery and Data Mining (PAKDD), 2013: F. Masseglia
- Pacific-Rim Conference on Multimedia (PCM), 2013: A. Joly
- International Conference on Similarity Search and Applications (SISAP), 2013: A. Joly
- Ubiquitous Data Mining (UDM), held by the International Joint Conference on Artificial Intelligence (IJCAI) 2013 : F. Masseglia
- Extraction et Gestion des Connaissances : F. Masseglia

Journal reviewing:

- 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
- Knowledge and Information Systems (KAIS): F. Masseglia

Other activities (national):

- The members of Zenith have always been strongly involved in organizing the French database research community, in the context of the I3 GDR and the BDA conference.
- Patrick Valduriez gave a seminar on "Parallel Techniques for Big Data" at IBC, Montpellier, and a tutorial on the same topic at BDA 2013. He also gave a seminar in the Morgenstern series in Sophia-Antipolis on "Cloud and Bigdata: a perfect marriage?".

Other activities (international):

- Alexis Joly was one of the 6 panelists of ACM Multimedia 2013 panel on cross-media analysis and mining.
- Reza Akbarinia and Florent Masseglia gave a talk on BigdataNet project whose objective is to develop a hybrid P2P-Cloud platform, at the Berkeley Inria Stanford (BIS2013) workshop at Stanford in May.
- Esther Pacitti and Patrick Valduriez gave talks on search and recommendation, and scientific workflow management, respectively, at LBL, Berkeley, in June.

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, 7.5h, level M2, Faculty of Science, UM2

Master : Distributed Data Management, 9h, level M1, Faculty of Science, UM2

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

Florent Masseglia:

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

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, 9h, 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: Yoann Couillec, Langages de programmation et données ouvertes, started oct. 2012, Univ. Nice Sophia-Antipolis, Advisors: Manuel Serrano and Patrick Valduriez

- PhD in progress : Ji Liu, Scientific Worflows in Multisite Cloud, started oct. 2013, UM2, Advisors: Esther Pacitti and Patrick Valduriez

- PhD in progress : Saber Salah, Optimizing a Cloud for Data Mining Primitives, started nov. 2012, UM2, Advisor: Florent Masseglia, co-advisor: Reza Akbarinia

- PhD in progress : Maximilien Servajean, Decentralized and Personalized Recommendation Protocols for Content Sharing: application to phenotyping, started oct. 2011, UM2, Advisor: Esther Pacitti, co-advisor: Pascal Neveu

- PhD in progress : Naser Ayat, Uncertain Data Integration, started sept. 2010, University of Amsterdam, Netherlands, Advisors: Hamideh Afsarmanesh and Patrick Valduriez, co-advisor: Reza Akbarinia

- PhD in progress : Valentin Leveau, Supervised content-based information retrieval in big multimedia data, started April 2013, University of Montpellier, Advisor: Patrick Valduriez, co-advisor: Alexis Joly and Olivier Buisson

9.2.3. *Juries*

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

- R. Akbarinia: Miguel Liroz (UM2);

- F. Masseglia: Cassio Melo (Ecole Centrale Paris, committee chair), Yasin Amanullah (Polytech Nantes, Reviewer);

- E. Pacitti: Mohamed Reda Bouadjenek (UVSQ), Miguel Liroz (UM2), Houssem Chihoub (Univ. Rennes 1) ;

- P. Valduriez: Jonas Dias (UFRJ, Rio de Janeiro), Gylfi por Gudmundsson (Univ. Rennes 1, Reviewer), Miguel Liroz (UM2), Asterios Katsifodimos (Univ. Paris Sud), Viet-Trung Tran (ENS Rennes).

9.3. Popularization

Zenith participated to the following events in France:

- "La fête de la science" (Montpellier), with the animation of a stand at Genopolys (a science village). We received 7 groups from Oct. 10 to Oct. 11, and then a wider audience on Oct. 12. With this stand, we have participated in the effort of relaunching LIRMM's activities for this major event in science popularization.

- "Futur en Seine 2013" (Paris, http://www.futur-en-seine.fr/fens2013/) with the co-animation of the stand for the presentation of Interstices' activities.

- annual seminar of the "mecsci" workgroup of Inria, Paris (CNAM) on January 30 and 31 [47].

F. Masseglia is a member of the editorial 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 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.

A. Joly presented the Pl@ntNet project and the resulting iPhone application in several events including the "Salon de l'agriculture 2013", "Les assises de la biodiversité", "Journée thématique du CNRS autour des usages mobiles de l'information scientifique dans l'Enseignement Supérieur et la Recherche", "Rencontres Agropolis", "journée des nouveaux arrivants de l'Inria", "journées INRA/Inria", etc. Many news media articles, blogs, TV news and twitts also reported on Pl@ntNet (typing "Pl@ntNet" on Google is the best way to get most of them). Finally a movie was realized in collaboration with Interstices ([8]).

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[8] http://videotheque.inria.fr/videotheque/media/browse/2

ALICE Project-Team

7. Dissemination

7.1. Scientific Animation

7.1.1. Program Committee

Sylvain Lefebvre: Eurographics 2014 (Full papers, and co-chair for State of the Art Reports) and SIGGRAPH Asia.

Bruno Lévy: ACM SIGGRAPH 2014, Eurographics 2013 & 2014 (co-chair), ACM/Eurographics Symp. on. Geom. Proc. 2013, Discr. Geom. for Comp. Imagery 2013, Comput. Graphics. Intl. 2013, Pacific Graphics 2013 (chair), CAD Graphics 2013 (co-chair).

Nicolas Ray: Pacific Graphics 2013 and Eurographics 2014 (Full papers).

Rhaleb Zayer: Pacific Graphics 2013 and Eurographics 2014 (Full papers).

Xavier Antoine: Waves 2013 (International Conference on Mathematical and Numerical Aspects of Waves).

7.1.2. Reviewing

Laurent Alonso: *ACM Transaction on Algorithms*, *Information Processing Letter*, *Theoretical Computer Science*.

Dobrina Boltcheva: *IEEE Transaction on Visualization & Computer Graphics*.

Samuel Hornus: *ACM Transactions on Graphics*, *Eurographics 2014*, Revue Française d'Informatique Graphique.

7.1.3. Organization

Dobrina Boltcheva co-organized the "Journées Informatique & Géométrie", that took place on November 14 and 15 in LORIA, Nancy.

7.1.4. Other

Since 2013, Xavier Antoine is "scientific delegate" at ANR, in charge of mathematics & interactions.

Since 2013, Xavier Antoine is in charge of the "Accueil de Chercheuses et Chercheurs de Haut Niveau" at ANR (Attractivité de la France et Espace Européen de la Recherche).

Since 2013, Xavier Antoine is associate editor for ISRN Applied Mathematics.

Bruno Lévy is associate editor of TVCG (IEEE) and Graphical Models (Elsevier).

B. Lévy was president of the hiring committee for Inria junior researchers ("concours Chargé de Recherche").

B. Lévy is vice head of the Charles Hermite federation (that regroups the laboratories in CS, mathematics and control theory in the Lorraine region).

7.2. Teaching - Supervision - Juries

7.2.1. Teaching

Sylvain Lefebvre was involved in the following courses:
- Cours École Centrale (9h)
- Cours École de Géologie: introduction to parallelism (3h TP) and introduction to computer graphics (3h cours, 6h TP)
- OpenCL, master M2, avec Dmitry Sokolov.
- Course on Video Game programming at "École des Mines de Nancy". Taught with Guillaume Bonfante.

Samuel Hornus was involved in the following courses:

- "Functional programming with OCaml" at ÉPITECH Nancy (private school training programmers, http://nancy.epitech.eu/). Lecture: 9h. Lab work: 18h. 3 student projects.

Dmitry Sokolov was involved in the following courses:

- Algorithmique avancée, 28h, M2 Math de l'UL, France
- Géométrie et représentation dans l'espace, 35h, L2 Informatique de l'UL, France
- Logiques et Modèles de calcul, 30h, M1 Informatique de l'UL, France
- Infographie 76h, M1 Informatique de l'UL, France
- Modèles de perception et raisonnement, 56h, M1 Informatique de l'UL, France
- Parallélisme de données, 15h, M1 Informatique de l'UL, France

Dobrina Boltcheva had 200 hours teaching duty:

- Licence ISN, IUT Saint-Dié-des-Vosges
- 2A DUT INFO, IUT Saint-Dié-des-Vosges
- 1A DUT INFO, IUT Saint-Dié-des-Vosges

Xavier Antoine gave the following invited courses:

6 hours course on numerical methods for Schrödinger equations, Workshop "Non-linear optical and atomic systems: deterministic and stochastic aspects" – January 2013, Lille, France.

3 hours course at 7th Montréal Scientific Computing Days, CRM, Montréal, QC, Canada, May 2013.

Bruno Lévy taught:

- "Numerical Geometry" (15 h) in the National School of Geology and in Nancy School of Mines.
- "initiation to computer programming" in collaboration with the Microtel association (1h per week, 10 kids aged between 7 and 12 years old).

7.2.2. Supervision

7.2.2.1. Master 2

- Jean Hergel, advised by Sylvain Lefebvre.
- Aytac Kanaci, co-advised by Sylvain Lefebvre and Amaury Habrard (St Étienne, Université Jean Monnet).

7.2.2.2. PhD thesis defended

- Sergey Podkorytov (Université de Bourgogne, co-advised by Dmitry Sokolov), "Tangent subspace of self-similar shapes". Defended on December 20 2013.
- Romain Duboscq, co-advised by Xavier Antoine, with Renaud Marty (équipe probabilité IECL).
- Romain Merland,"Generation of finite volume grids accounting for structural, petrophysical and dynamic information", advised by Guillaume Caumon and Bruno Lévy. Defended on April 18, 2013.

7.2.2.3. PhD thesis in preparation

- Kun Liu (now post-doc in London), "Modèle discret guidé par l'acquisition pour les objets déformables", Started August 2010, Rhaleb Zayer and Bruno Lévy. Kun should defend his PhD in 2014.
- Alejandro Patricio Galindo, "Traitement de l'image et video tracking pour l'extraction d'informations pertinentes", Rhaleb Zayer and Bruno Lévy.
- Arnaud Botella, "Génération de maillages non-structurés hex-dominants conformes aux domaines géologiques", Started January 2013, Guillaume Caumon and Bruno Lévy.
- Jeanne Pellerin, "Hybrid meshing for geosciences", Guillaume Caumon and Bruno Lévy.

- David Lopez, "Dynamic meshing of free surfaces in fluid simulation", Bruno Lévy.
- Jean Hergel, "Approches pour la prise en compte conjointe de la fonctionnalité des objets modélisés et des contraintes du procédé de fabrication additive", Started February 2013, Bruno Lévy.
- Jérémie Dumas, "By-example shape synthesis for 3D printing", Started September 2013, Sylvain Lefebvre and Bruno Lévy.

7.2.3. *Juries*

Sylvain Lefebvre was *examinateur* during the PhD defense of Matthias Holländer, who was supervised by Tamy Boubekeur (Telecom ParisTech). Title: Real-time Geometry Synthesis.

Bruno Lévy participated to the following Ph.D. and habilitation juries:

- Hunbin Li (Ph.D., Centrale Lyon)
- Kenneth Vanhoey (Ph.D, ICube, Strasbourg)
- Lionel Untereiner (Ph.D., ICube, Strasbourg)
- Alexandre Derouet-Jourdan (Ph.D., Inria Grenoble)
- Yuan Zhan (Ph.D., Hong-Kong University)
- David Salinas (Ph.D., Gipsa Lab, Grenoble)
- Guillaume Lavoué (Habilitation thesis, LIRIS, Lyon)

7.3. Popularization

Sylvain Lefebvre is a member of the *commission de médiation scientifique* and of the *comité espace transfert*.

AVIZ Project-Team

9. Dissemination

9.1. Scientific Animation

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: Panel "Dataviz, pour quel buzz ?" at Ouverture des données massives scientifiques. Quels risques, quels bénéfices ?, ISCC, CNRS, Paris, Dec. 6, 2013
- Jean-Daniel Fekete: Advanced Interaction for Information Visualization, Bergen, Norway, Nov. 21, 2013
- Jean-Daniel Fekete: ANF - Fréjus 2013 La carte, le territoire et l'explorateur : où est la visualisation ?, Fréjus, 23 Sep. 2013 Ecole d'été de Lille en Méthodes Quantitatives des Sciences Sociales,
- Jean-Daniel Fekete: "Visualisation pour l'exploration de données relationnelles", Lille, July 4, 2013,
- Jean-Daniel Fekete: Invited talk for the 25th anniversary of Fraunhofer IGD: Visual Analytics of Large Social Networks, Darmstadt, Germany, Nov. 14, 2013
- V. Puig and Samuel Huron: "La visualisation comme vecteur de contribution", CEA Saclay, November 2013.

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 the president of the French-Speaking HCI Association.
- Tobias Isenberg is a member of the Steering Committee of the Expressive conference.

9.1.3. Conference Organization

- Jean-Daniel Fekete is a member of the ACM SIGCHI Conference Management Committee, in charge of Data Analysis.
- Jean-Daniel Fekete co-organized the International Workshop on Interactive, Ultra-High-Resolution Displays.
- Petra Isenberg was workshop co-chair for IEEE VIS.
- Tobias Isenberg was tutorials and workshops co-chair for ACM Interactive Tabletops and Surfaces (ITS).

9.1.4. Conference Program Committees

- Pierre Dragicevic was a member of the program committee for CHI 2013,
- Pierre Dragicevic was a member of the program committee for VIS 2013,
- Pierre Dragicevic was a member of the doctoral consortium for IHM 2013,
- Jean-Daniel Fekete was a member of the program committee for Interact 2013,
- Jean-Daniel Fekete was a member of the program committee for IEEE InfoVis 2013,

- Jean-Daniel Fekete was a member of the program committee for IEEE VAST 2013,
- Petra Isenberg was a member of the program committee for the BLEND 2013 workshop,
- Petra Isenberg was a member of the program committee for the CMI 2013 workshop,
- Petra Isenberg was a member of the program committee for the EuroRVVV 2013 workshop,
- Petra Isenberg was a member of the program committee for the ITS 2013 workshop on collaboration meets interactive surfaces,
- Petra Isenberg was a member of the program committee for EuroVA 2013,
- Petra Isenberg was a member of the program committee for EuroVis 2013,
- Petra Isenberg was a member of the program committee for CHI 2013,
- Petra Isenberg was a member of the program committee for IEEE InfoVis 2013,
- Petra Isenberg was a member of the program committee for ACM ITS 2013,
- Tobias Isenberg was a member of the program committee for ISIS3D 2013,
- Tobias Isenberg was a member of the program committee for ACM/Eurographics Expressive 2013,
- Tobias Isenberg was a member of the program committee for IEEE InfoVis 2013,
- Tobias Isenberg was a member of the program committee for the EuroRVVV 2013 workshop,
- Tobias Isenberg was a member of the program committee for ACM SUI 2013,
- Tobias Isenberg was a member of the program committee for EuroVis full papers 2013,
- Tobias Isenberg was a member of the program committee for EuroVis short papers 2013,
- Wesley Willett was a member of the program committee of CHI 2013 Works-in-Progress.

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.
- Tobias Isenberg was a guest editor of a special issue of Sage Publishing's Information Visualization on visualization evaluation.

9.1.6. *Conference Reviewing*

3DUI   IEEE Symposium on 3D User Interfaces: Tobias Isenberg

BioVis   IEEE Symposium on Biological Data Visualization: Tobias Isenberg

CAe   International Symposium on Computational Aesthetics in Graphics, Visualization, and Imaging: Tobias Isenberg

CGI   Computer Graphics International: Tobias Isenberg

CHI   ACM Conference on Human Factors in Computing System: Benjamin Bach, Pierre Dragicevic, Jean-Daniel Fekete, Petra Isenberg, Tobias Isenberg, Welsey Willet

CHI-WIP   ACM Conference on Human Factors in Computing Systems—Work in Progress: Petra Isenberg

CSCW   ACM Conference on Computer Supported Cooperative Work: Petra Isenberg, Welsey Willet

EG   Annual Conference of the Eurographics Association: Tobias Isenberg

EuroVA   EuroVis Workshop on Visual Analytics: Jean-Daniel Fekete, Petra Isenberg

EuroVis   Eurographics/IEEE Conference on Visualization: Jean-Daniel Fekete, Petra Isenberg, Tobias Isenberg, Welsey Willet

GD   Graph Drawing: Pierre Dragicevic

IHM   Conférence Francophone sur l'Interaction Homme-Machine: Pierre Dragicevic, Tobias Isenberg

InfoVis   IEEE Information Visualization Conference: Benjamin Bach, Pierre Dragicevic, Petra Isenberg, Tobias Isenberg, Welsey Willet

Interact   IFIP Conference on Human-Computer Interaction: Petra Isenberg

ITS   ACM Conference on Interactive Tabletops and Surfaces: Petra Isenberg, Tobias Isenberg

NPAR   ACM Symposium on Non-Photorealistic Animation and Rendering: Tobias Isenberg

PacificVis   IEEE Pacific Visualization Symposium: Tobias Isenberg

Pervasive   IEEE Conference on Pervasive Computing: Welsey Willet

SciVis   IEEE Scientific Visualization Conference: Tobias Isenberg

SIGGRAPH   ACM Conference on Computer Graphics and Interactive Techniques: Tobias Isenberg

SIGGRAPH Asia   ACM Conference on Computer Graphics and Interactive Techniques in Asia: Tobias Isenberg

SUI   ACM Symposium on Spatial User Interaction: Tobias Isenberg

UbiComp   ACM International Joint Conference on Pervasive and Ubiquitous Computing: Welsey Willet

UIST   ACM Symposium on User Interface Software and Technology: Petra Isenberg, Welsey Willet

VR   IEEE Virtual Reality: Tobias Isenberg

9.1.7. *Journal Reviewing*

C&G   Elsevier Computers and Graphics: Petra Isenberg, Tobias Isenberg

IJHCS   : Pierre Dragicevic, Petra Isenberg

InfoVis Journal   Palgrave's InfoVis Journal: Petra Isenberg

IWC Journal   Interacting with Computers: Petra Isenberg

JOCCH   ACM Journal on Computing and Cultural Heritage: Tobias Isenberg

PUC   Journal of Personal and Ubiquitous Computing: Petra Isenberg

ToCHI   ACM Transactions on Computer-Human Interaction: Pierre Dragicevic, Petra Isenberg, Tobias Isenberg

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

9.2. Teaching - Supervision - Juries

9.2.1. *Teaching*

- Module "Interactive Information Visualization" of Univ. Paris-Sud (M2, 24h, taught by Pierre Dragicevic, Jean-Daniel Fekete, Petra Isenberg, Wesley Willett, Charles Perin), Master course
- "Innovative Interactive Systems" taught by Tobias Isenberg at the University of Groningen, the Netherlands
- "Non-Photorealistic Rendering" taught by Tobias Isenberg at the University of Granada, Spain
- "Interaction with 3D visualizations" taught by Tobias Isenberg at the summer school of the EU Data Intensive Visualization and Analysis project at Göteborg (Gothenburg), Sweden

9.2.2. *Supervision*

- PhD in progress: Yvonne Jansen, Physical and Tangible Information Visualization, Pierre Dragicevic, Jean-Daniel Fekete (will defend on 10 March 2014)
- PhD in progress: Benjamin Bach, Visualization of Dynamic Networks, Emmauel Pietriga, Jean-Daniel Fekete (will defend May 2014)
- PhD in progress: Charles Perin, Visualization and interaction with Multidimensional and Temporal Data, Jean-Daniel Fekete & Frédéric Vernier

- PhD in progress: Jeremy Boy, Visualization for the Poeple, Jean-Daniel Fekete & Fraçoise Detienne
- PhD in progress: Nicolas Heulot, Visualization and Interaction of High-Dimensional Data, Jean-Daniel Fekete & Michael Aupetit
- PhD in progress: Pascal Goffin, From Individual to Collaborative Work, Petra Isenberg, Jean-Daniel Fekete

9.2.3. Juries

- Pierre Dragicevic was external examiner for Raphae¨l Hoarau's PhD defense: "Interaction et visualisation avec des liens de de´pendances," Universite´ de Toulouse, Aug. 2013
- Jean-Daniel Fekete was external examiner for Cyprien Pindat, "A Content-Aware Design Approach to Multiscale Navigation," Univ. Paris-Sud, Dec. 20, 2013
- Jean-Daniel Fekete was external examiner for Çağatay Turkay, "Integrating Computational Tools in Interactive and Visual Methods for Enhancing High-dimensional Data and Cluster Analysis", Univ. of Bergen, Nov. 22, 2013
- Tobias Isenberg was external examiner for Tiffany Inglis, "Pixelating Vector Art," University of Waterloo, Canada, December 2013
- Tobias Isenberg was external examiner for Hua Li, "Perception-Motivated High Quality Stylization," Carleton University, Canada, January 2013

9.3. Popularization

Samuel Huron: 9.3. News Paper and press cover : 04/2013, "Zeitgeist Borders shows a world of Google searches", NewScientist, Hal Hodson 11/2013, "Les flux de données visualisés en temps réel", La Recherche, Samuel Huron, Romain Vuillemot, Jean Daniel Fekete

HYBRID Project-Team

9. Dissemination

9.1. Scientific Animation

9.1.1. Editorial boards of journals

- Anatole Lécuyer is associate editor of ACM Transactions on Applied Perception (ACM TAP), and International Journal on Human-Computer Studies (IJHCS) .
- Maud Marchal is associate editor of Computer Graphics Forum (CGF).

9.1.2. Technical program committees of conferences

- Anatole Lécuyer was program and conference chair of IEEE 3DUI'13. He was also in international program committees of: IEEE VR'13, Eurographics'13, ACM Siggraph Asia'13.
- Bruno Arnaldi was program chair of AFRV'13 and member of the international program committee of IEEE VR'13.
- Thierry Duval was in international program committees of: IEEE 3DUI'13, GRAPP'13, JVRC'13, IHM'13 (Demo co-chair), IEEE CogInfoCom'13, ACM VRST'13, VRIC'13.
- Valérie Gouranton was in international program committee and Chair of Symposium "VR-Serious Game and Interactive Storytelling" at VRIC'13.
- Maud Marchal was in international program committees of: IEEE 3DUI'13, Eurographics Short Papers'13, GRAPP'13.
- Ferran Argelaguet was in international program committees of: IEEE 3DUI'13, ACM VRST'13, ICAT'13 (Demo co-chair), ACM SUI'13.

9.1.3. Selection committees

- Anatole Lécuyer was in the selection committee for an Associate Professor position at "Université de Bordeaux 1".
- Bruno Arnaldi was in the selection committee for a Professor position at "Ecole Normale Supérieure de Cachan Antenne de Bretagne" and for a Professor Position at "INSA de Rennes".
- Thierry Duval was in the selection committee for an Associate Professor position at "École Nationale d'Ingénieurs de Brest".

9.1.4. Participation in seminars, invitations

- Anatole Lécuyer has been invited to give a keynote talk at AFIHM'13 (Bordeaux), and other talks at: SOFMER'13 (Reims), Chimie et TIC'13 (Paris). He has participated in "Dagstuhl Seminar 13241" on "Virtual Realities" at Schloss Dagstuhl (9–14 June 2013, Germany).

9.1.5. Animation at the international level

- Anatole Lécuyer was co-organizer of a Course on "Walking in Virtual environments" at ACM CHI'13 (with F. Steinicke, Y. Visell and J. Campos), a Tutorial on "BCI and Haptics" at World-Haptics'13 (with M. Ziat), a Workshop on "BCI Feedback" at the BCI Meeting'13 (with F. Lotte, and R. Scherer), a Workshop on "BCI and EEG" at Rennes Hospital (with I. Bonan, and G.TEC Company). He was also reviewer for conferences: JVRC'13, VRIC'13.
- Bruno Arnaldi was reviewer for conference IEEE VR'13 and reviewer for an ERC Advanced Grant Proposal.

- Thierry Duval was reviewer for international journal IEEE THMS, and for conferences: VRIC'13, IEEE 3DUI'13, IHM'13, JVRC'13, ACM VRST'13, IEEE VR'13, GRAPP'13. He also served as an expert for evaluation of the European FP7 project "Beaming".
- Valérie Gouranton was reviewer for international journal "Journal on Computing and Cultural Heritage", and for conference VRIC'13.
- Maud Marchal was reviewer for international journals: IEEE TVCG, IEEE ToH, and for conferences: IEEE VR'13, IEEE 3DUI'13, Eurographics'13, Siggraph'13, MICCAI'13, IEEE EMBS'13.
- Ferran Argelaguet was a reviewer for international journals: IEEE Computer Graphics and Applications, ACM Journal on Computing and Cultural Heritage, and for conference JVRC'13.

9.1.6. Animation at the national level

- Anatole Lécuyer was member of executive committee of the French Association for Virtual Reality (AFRV) until October 2013.
- Bruno Arnaldi was vice-president and member of the executive committee of AFRV.
- Thierry Duval was a member of AFRV and AFIHM. He served as an expert for selection of french ANR projects.
- Valérie Gouranton was member of executive committee of AFRV since October 2013.

9.1.7. Animation at the regional and local level

- Bruno Arnaldi was vice-president of the scientific committee of "INSA de Rennes" and was in the CSV (selection committee) of Competitivity Cluster "Images et Réseaux".
- Valérie Gouranton was co-head of a Master 2 in Computer Science (joint to University of Rennes 1, INSA Rennes, ENS CACHAN Antenne Bretagne, Supelec, UBO, ENIB, ENSTA Bretagne, Télécom Bretagne, UBS). She was also member of the scientific committee of INSA Rennes and member of the laboratory committee of IRISA.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Anatole Lécuyer:

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

Thierry Duval:

> Master STS Informatique: "HCI", 54h, M1, ISTIC, University of Rennes 1, FR
>
> Master STS Informatique: "Introduction to Virtual Reality", 24h, M1, ISTIC, University of Rennes 1, FR
>
> Master STS Informatique: "Software engineering for HCI", 15h, M1, ESIR, University of Rennes 1, FR
>
> Master STS Informatique GL and MITIC: "Software engineering for HCI", 37h, M2, ISTIC, University of Rennes 1, FR
>
> Master STS Informatique GL and MITIC: "Collaborative Virtual Environments", 38h, M2, ISTIC, University of Rennes 1, FR

Valérie Gouranton:

> Licence: "Introduction to Virtual Reality", 12h, L2 and responsible of this lecture, INSA Rennes, FR
>
> Licence: Project on "Virtual Reality", 13h, L3 and responsible of this lecture, INSA Rennes, FR
>
> Master INSA Rennes: "Virtual Reality", 12h, M2, INSA Rennes, FR
>
> Master INSA Rennes: Projects on "Virtual Reality", 20h, 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

9.2.2. Supervision

> 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
>
> PhD in progress: A. Talvas, "Bimanual haptic manipulation", Started in October 2011, Supervised by A. Lécuyer and M. Marchal.
>
> PhD in progress: Thi Thuong Huyen Nguyen, "New 3D techniques for collaborative interaction and navigation that preserve users' immersion", Started in October 2011, Supervised by T. Duval
>
> PhD in progress: Jérôme Ardouin, "Display of wide field-of-views in real and virtual environments", Started in January 2011, Supervised by M. Marchal, E. Marchand and A. Lécuyer
>
> PhD in progress: Fabien Danieau, "Haptic Movies", Started in October 2010, Supervised by M. Christie, P. Guillotel, J. Fleureau and A. Lécuyer

9.2.3. Juries

- Anatole Lécuyer: Mehdi Ammi (HDR, Examiner, University of Paris XI-Orsay), Jérémy Laviole (PhD, Referee, University of Bordeaux 1), Yuan Yang (PhD, Examiner, ENSTA-Télécom Paris Tech, Paris).

- Bruno Arnaldi: Jean-Marc Cieutat (HDR, Estia Biarritz), Nicolas Courty (HDR, UBS Vannes), Jonathan Wonner (PhD, University of Strasbourg), Jonathan Perrinet (PhD, University of Rennes 1).

9.3. Popularization

- Massive media coverage of the results of OpenViBE2 project (section 8.2.5) : following a press conference and press release organized in January 2013. This ended up with numerous appearances in the media (TV, Press, Radio).

- "Journées Nationales d'Archéologie" 2013 : organization and numerous demos of immersive and VR results of our team in Immersia room, Rennes, June 2013 [33].

- "Festival de la Science" 2013 : booth and demo of the FLyVIZ system, in Betton, October 2013.

- "Nuit de la Science" 2013 : demos of FLyVIZ system and Corvette project, Rennes, October 2013.

- "Colloque Chimie et TIC 2013" : presentation "Interagir par la pensée avec les Interfaces Cerveau-Ordinateur" (A. Lécuyer), Maison de la Chimie, Paris, October 2013.

- "Journées Science et Musique" 2013 : organization of this event, and presentation of several demos of the team in Immersia room, Rennes, October 2013.

IMAGINE Project-Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Organization of conferences and editorial boards

- Marie-Paule Cani has been associate editor of ACM Transaction on Graphics since July 2013. She served on the programm committees of Shape Modeling International (SMI 2013), of Expressive'2013 (the ACM-EG symposium on Sketch-based Interfaces and Modeling - SBIM, Non-photorealistic Animation and Renderting - NPAR, and Computational Aesthetics - CAe), and of the EG Symposium on Geometry Processing (SGP'2013).
- Stefanie Hahmann
    - General co-Chair with Konrad Polthier of the SIAM GD/SPM 2013 conference in Denver
    - Member of the IPC for Eurographics in Girona 2013 and for CAD/Graphics in Hongkong 2013
    - Member of Program committee for the International Conference on Shape Modeling and Applications in Bournemouth 2013 and Computer Graphics International (CGI) Hannover, 2013
- Rémi Ronfard was a Program Committee members for 6 international conferences
    - International Conference on Motion in Games (MIG).
    - International Conference on Interactive Storytelling (ICIDS).
    - ACM conference on Computational Aesthetics (CAE).
    - Workshop on Intelligent Cinematography and Editing (WICED).
    - Workshop on Intelligent Narrative Technologies (INT).
    - International Conference on 3D Imaging (IC3D).
- Jean-Claude Léon was Member of the scientific board of SBIM 2014.
- François Faure was chairing the Eurographics working group on *Animation and Simulation*.
- Damien Rohmer
    - Member of the Technical Brief & Posters committee for SIGGRAPH Asia 2013.
    - Member of the Short Paper committee for Eurographics 2014.

8.1.2. Management and administration of scientific organisations

- Marie-Paule Cani has been vice chair of the Eurographics association since January 2013. She has been chairing the steering committee of the Eurographics conference since May 2013. She is a member of the ACM Publication Board. She is also member of the steering committees of the SMI and Expressive international conferences.
  In France, Marie-Paule Cani is a member of the executive board of the GRD IG-RV (Informatique Graphique - Réalité Virtuelle) of CNRS, and an EC member of the french chapter of Eurographics.
- François Faure is a member of the Conseil du Laboratoire at LJK.
- Stefanie Hahmann
    - Member of the SMA Executive Committee (Shape Modeling Association)
    - President of GTMG (Groupe de Travail en Modélisation Géométrique) part of GDR IM and GDR IG.
    - International expert for the Italian Research and University Evaluation Agency (ANVUR)

- – Member of the Conseil du Laboratoire at LJK.
- – Responsible of Maths-Info department of the Grenoble doctoral school MSTII.
- Olivier Palombi is a member of the scientific board of ECCAMI (Excellence center for computer assisted medical interventions).
- Rémi Ronfard is the Director of the Geometry and Image Department, Laboratoire Jean Kuntzman, Université de Grenoble.

8.1.3. Public dissemination

- Damien Rohmer is involved in the Hévéa project working on the mathematical model of the flat torus. This flat torus has been highlighted in various medias during the year 2013 (fig. 13).
  - – The flat torus and its vizualisation has been published in several diffusion journal
    - * Pour la Science, n. 425, mars 2013. *Les fractales lisses, un nouvel objet mathématique*
    - * La Recherche, n. 471, janvier 2013. The flat torus is cited as the 5th most important discovery of 2012.
    - * Science & Vie, decembre 2012. *Le tore plat n'a plus de secrets.*
    - * Cover of the magazine *CNRS Rhone-Auvergne*
    - * Images des Maths, decembre 2012, *Rothorn un tore plat!*
    - * Images des Maths, decembre 2012, *Gnash! un tore plat!*
  - – 14 posters were created for the *Fête de la science* in Lyon to explains the model of he flat torus in October 2013.
  - – From October to December 2013, the flat torus was highlighted in the art exhibition *Formes élémentaires* in Gyuancourt.
  - – In 2014, a large image of the flat torus is exposed in the subway of Paris at the Montparnasse station.
- Rémi Ronfard gave an invited talk at the International Federation for Theatre Research where he presented his ongoings projects Scenoptique and Spectaclenligne(s) for recording, analyzing and editing theatre performances and rehearsals.
  He co-chaired a national meeting on the analysis and understanding of emotions, as part of the working group on "action and gesture", CNRS GDR ISIS, and the ARC6 region network, in Lyon in October 2013.
  Remi Ronfard organized an INTECH workshop on the convergence between digital cinéma and interactive games, which attracted 100 participants from research and industry to Inria Rhone Alpes (http://www.inria.fr/centre/grenoble/actualites/cinema-et-jeu-video-la-convergence-passe-par-inria).

8.2. Teaching - Supervision

8.2.1. Responsabilities 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 reseach 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) department at University ENSIMAG/Grenoble INP.

../../../../projets/imagine/IMG/flat_torus_line.jpg

Figure 13. Various diffusions foccusing on the flat torus project.

- 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-Info-Image program in the school CPE Lyon.

- Rémi Ronfard served as president of the jury for Master 2 students at the University of Grenoble, Mathématiques et Informatique, option Graphique, Vision et Robotique (GVR).

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. If belongs to the doctoral school MSTII.

8.2.2. 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.

IN-SITU Project-Team

9. Dissemination

9.1. Scientific Animation

Conference Organization
- CHI 2013, *ACM Conference on Human Factors in Computing Systems*, Paris, 2013: Wendy Mackay (General Chair), Michel Beaudouin-Lafon (Technical Program Co-Chair)
- ECRC 2013, *First ACM European Computer Research Congress*, Paris, 2013: Michel Beaudouin-Lafon (Organizing Committee member)
- IHM 2013, *Conférence Francophone d'Interaction Homme-Machine*: Stéphane Huot (Program Co-Chair)

Program Committees
- CHI, *ACM Conference on Human Factors in Computing*: Caroline Appert, Stéphane Huot
- UIST, *ACM Symposium on User Interface Software and Technology*: Caroline Appert
- INTERACT *14th IFIP TC13 Conference in Human-Computer Interaction*: Caroline Appert, Olivier Chapuis, Stéphane Huot
- Eurographics, *34th Annual Conference of the European Association for Computer Graphics*: Theophanis Tsandilas
- PacificVis, *IEEE Pacific Visualization Symposium 2013*: Anastasia Bezerianos
- IHM, *Conférence Francophone d'Interaction Homme-Machine*: Olivier Chapuis

Editorial Boards
- CACM, *Communications of the ACM*, ACM: Wendy Mackay (2008-)
- TOCHI, *Transactions on Computer Human Interaction*, ACM: 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-)

Journal and Conference Reviewing
- Transactions on Computer-Human Interaction (TOCHI), ACM: Anastasia Bezerianos, Olivier Chapuis, Lora Oehlberg, Theophanis Tsandilas
- International Journal of Human-Computer Studies (IJHCS), Elsevier: Olivier Chapuis
- Journal on Computing and Cultural Heritage (JOCCH), ACM: Theophanis Tsandilas
- ACM CHI 2013: Anastasia Bezerianos, David Bonnet, Jérémie Garcia (Work In Progress), Theophanis Tsandilas
- ACM UIST 2013: Michel Beaudouin-Lafon, Anastasia Bezerianos, David Bonnet, Olivier Chapuis, Stéphane Huot, Theophanis Tsandilas
- ACM EICS 2013 - ACM Symposium on Engineering Interactive Computing Systems: Stéphane Huot
- ACM ITS 2013 - ACM Conference on Interactive Tabletop and Surfaces: Anastasia Bezerianos, Olivier Chapuis, Stéphane Huot
- ACM MobileHCI 2013 - ACM Conference on Human-Computer Interaction with Mobile Devices and Services: Olivier Chapuis
- TEI 2013 - Conference on Tangible Embedded and Embodied Interaction: Stéphane Huot
- IEEE InfoVis 2013 - IEEE Information Visualization Conference: Anastasia Bezerianos
- IHM 2013 - Conference Francophone d'Interaction Homme-Machine: Michel Beaudouin-Lafon, Theophanis Tsandilas

Research Organizations

- Agence Nationale de la Recherche (ANR), "Contenus et Interactions" program: Michel Beaudouin-Lafon (Steering Committee member)
- Agence Nationale de la Recherche (ANR), "Blanc" program: Caroline Appert and Theophanis Tsandilas (Reviewers)
- Agence Nationale de la Recherche (ANR), "Blanc International" and "Jeunes Chercheuses Jeunes Chercheurs" programs: Caroline Appert (Reviewer)
- Steering Committee of the Campus Paris-Saclay "Institute for Digital Society" ("Institut de la Société Numérique"): Michel Beaudouin-Lafon (Member)
- 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)

Learned Societies

- Association Francophone d'Interaction Homme-Machine (AFIHM): Olivier Chapuis (member of the board, vice-president), Stéphane Huot (members of the board and of the scientific council – CPPMS)
- Paris SIGCHI Local Chapter: Anastasia Bezerianos (vice-president)
- ACM Europe Council: Michel Beaudouin-Lafon (member)
- ACM SIGCHI: Wendy Mackay (member of conference management committee)

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
- Univ. Paris-Sud hiring committee, Comité de Sélection 27ème section (computer science), members: Michel Beaudouin-Lafon, Wendy Mackay
- Univ. Bordeaux I (Bordeaux) hiring committee, Comité de Sélection 27ème section (computer science), members: Stéphane Huot

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Interaction Masters (Research Master in Computer Science, Interaction Specialty): Anastasia Bezerianos & Michel Beaudouin-Lafon, Chairs, Caroline Appert, Cédric Fleury, & Wendy Mackay, 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, Wendy Mackay, 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 *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

HCID Masters: Wendy Mackay *Business Design Labs*, 8 hrs, M1, Univ. Paris-Sud

Master 2 Professional: Anastasia Bezeriaos *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 3ème année: Anastasia Bezerianos *Interaction Homme-Machine*, 18 hrs, M1, Univ. Paris-Sud

License 2: Anastasia Bezerianos *Developpement Logiciel*, 15 hrs, L2, Univ. Paris-Sud

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

9.2.2. *Supervision*

Habilitations

HdR : Stéphane Huot, *"Designeering Interaction": A Missing Link in the Evolution of Human-Computer Interaction*, Université Paris-Sud, 7 May 2013

PhD Students

PhD : Cyprien Pindat, *A Content-Aware Design Approach to Multiscale Navigation*, Université Paris-Sud, defended on 20 December 2013, Claude Puech, Emmanuel Pietriga & Olivier Chapuis

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

PhD in progress : Jérémie Garcia, *Supporting creative activities with interactive paper*, October 2010, Wendy Mackay & Theophanis Tsandilas

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 & Alan Blum (ENS Louis-Lumière)

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)

Masters students

Jessalyn Alvina. *RouteLens: efficient route following for map applications*, April - September 2013, Caroline Appert & Olivier Chapuis

Stephan Delarue. *Performance gestuelle et physiologie*, April – August 2013, Caroline Appert & Halla Olafsdottir

Evanthia Dimara. *Linking AI and HCI through Co-Adaptive Instruments*. April - September 2013, Wendy Mackay.

Magdalini Grammatikou. *BricoSketch: Replicating and reusing electronic and physical material in professional illustrations*, April - September 2013, Stéphane Huot & Theophanis Tsandilas

Thibaut Jacob. *Sketching Interactions for Data Exploration*, April - September 2013, Anastasia Bezerianos & Theophanis Tsandilas

Ghita Jalal. *Co-Adaptive Instruments*. May - September 2013, Wendy Mackay

Antoine Ponsard. *Interactive Visualisation with Temporal Data*. April - June 2013, Michel Beaudouin-LafonSeptember 2013, Anastasia Bezerianos & Theophanis Tsandilas

Julia Vlasenko. *Interactive Visualization of Ubiquitous Dat*. May - November 2013, Wendy Mackay

Summer Schools

Reviewing process workshop, Rencontres Jeunes Chercheurs en Interaction Homme-Machine. June 17-20, 2013. RJC-IHM'13, Lyon, France. Caroline Appert.

Les thèmes émergents de l'IHM, Rencontres Jeunes Chercheurs en Interaction Homme-Machine. June 17-20, 2013. RJC-IHM'13, Lyon, France. Olivier Chapuis.

Tangible Interfaces and Instrumental Interaction, French-German Tangible Interaction Studio. August 26-28, 2013, Biarritz, France. Michel Beaudouin-Lafon.

Participatory Information Technology, Generative Walkthroughs Summer School. August 26-28, 2013, Aarhus, Denmark. Michel Beaudouin-Lafon & Wendy Mackay.

UXdesign : l'expérience au service des apprentissages ?, Keynote at the Campus Européen d'Eté 2013 de l'Université de Poitiers. September 16-20, 2013, Poitiers, France. Wendy Mackay.

9.2.3. *Juries*

Simon Perrault (Télécom ParisTech, Paris): Olivier Chapuis, reviewer

Sebastien Rufiange (École de Technology Supérieure, Canada): Anastasia Bezerianos, reviewer

Raphaël Hoarau (ENAC, Toulouse): Michel Beaudouin-Lafon, reviewer and president

Joseph Malloch (McGill University, Canada): Michel Beaudouin-Lafon, reviewer

Eakachai Charoenchaimonkon (AIT, Bangkok): Michel Beaudouin-Lafon, reviewer

Dong-Bach Vo (Télécom ParisTech, Paris): Stéphane Huot, jury member

9.3. Popularization

Wendy Mackay was interviewed for Inria/Technoscope: "L'interaction homme-machine en ligne de mire", February, 2013, and for an article in "Science & Vie" on the topic of Google Glass, November 12, 2013.

Wendy Mackay was interviewed on two *France Culture* radio shows: "Place de la Toile" on the topic of tomorrow's computers ("l'ordinateur de demain") on September 7, 2013 and on "Science Publique" on the topic of whether augmented reality will change our vision of the world ("La réalité augmentée va-t-elle changer notre vision du monde?") on November 1, 2013.

Wendy Mackay and Michel Beaudouin-Lafon were each interviewed as the scientist of the day ("savant du jour") on the *France Inter* radio show "On va tous y passer", on October 30 and November 20, 2013 respectively.

MANAO Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Conference organization

PRISM2 workshop: second workshop of the PRISM network (6 invited speakers, 42 attendees, 3 days).

IHM 2013 workshop: 25th francophone conference on human-computer interaction (125 attendees, 3 days).

INM 2013 workshop: Imaging New Modalities (in conjunction with German Conference on Pattern Recognition GCPR: 200 attendees, 3 days - workshop 1 day).

8.1.2. Program committee

Conferences: International Conference on Computer Vision (ICCV) 2013, Computer Vision and Pattern Recognition (CVPR) 2013, Eurographics (EG) 2014, Siggraph Asia Posters & Technical Briefs 2013, Interneational Conference on Computational Photography (ICCP) 2013, British Machine Vision Conference (BMVC) 2013, International Conference on 3D Vision (3DV) 2013, High Performance Graphics (HPG) 2013, Workshop on Computational Cameras and Displays (CCD), Pacific Graphics (PG) 2013, Eurographics Symposium on Rendering (EGSR) 2013, Web3D 2013, International Conference in Central Europe on Computer Graphics, Visualization, and Computer Vision (WSCG) 2013

8.1.3. Reviews

The members of *MANAO* have also participated to the reviewing process for conferences and journals:

Journals: ACM Transaction on Graphics (TOG), Computer Graphics Forum (CGF), International Journal of Computer Vision (IJCV), Transactions on Pattern Recognition and Machine Intelligence (PAMI), Applied Optics (AO), Computer and Graphics (C&G), The Visual Computer (VC), Signal Image and Video Processing, ACM Journal of Computing and Cultural Heritage, Image & Vision Computing

Conferences: ACM Siggraph 2013, ACM Siggraph Asia 2013, Eurographics 2014, Eurographics Symposium on Rendering 2013, Graphics interface (GI) 2013, CGI 2013, Web3D 2013.

Grant Proposals: NSERC (Canada)

8.1.4. Committees

In 2013, the members of *MANAO* have been involved in the following responsibilities:

Inria - Evaluation committee member - Gaël Guennebaud.

Inria Bordeaux - commission for technological development (CDT) - Gaël Guennebaud.

AFIG 2013 - Best paper jury - Gaël Guennebaud.

IHM 2013 - Demo chair - Patrick Reuter.

8.1.5. Invited Talks

Talk "The archeologist of the future" at TedX Basque Country, June, Bidart, France.

Keynote Talk "Computational Optical Measurement and Display" at Journée Imagerie Optique Non-Conventionelle, Paris

Invited Talk "Computational Optical Measurement and Display" at SPIE student chapter University of Rochester

Invited Talk "A Reconfigerable Camera Add-On for HDR, Multi-Spectral, Polarization, and Light-Field Imaging" at University of British Columbia

Invited Talk "Computational Optical Measurement and Display" at Schloss Dagstuhl, Germany

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

The members of our team are involved in teaching computer science at University Bordeaux I and II, 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 I, France.

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

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

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

Master : Xavier Granier and Romain Pacanowski, Radiometry and Colorimetry, 15 HETD, M1, IOGS, France

Master : Gaël Guennebaud and Simon Boyé, High-performance 3D Graphics, 60 HETD, M1, Univ. Bdx I, France.

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

Master : Ivo Ihrke, Computational Optical Imaging, 20 HETD, M1, IOGS, France

Master : Christophe Schlick, Martin Hachet, Pierre Bénard and Jeremy Laviole, Image Synthesis and Virtual Reality, 60 HETD, M2, ENSEIRB, France

Licence : Patrick Reuter, Digital Imaging, 36 HETD, L3, Univ. Bdx 2, 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 II, France.

8.2.2. Supervision

PhD : Cyprien Buron, Interactive Generation and Rendering of Massice Models: a Parallel Procedural Approach, Univ. Bordeaux, 4th of February 2014, Jean-Eudes Marie & Gaël Guennebaud & Xavier Granier

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

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

PhD : Boris Raymond, Rendering and manipulation of anisotropic materials , Univ. Bordeaux, Pascal Barla & Gaël Guennebaud & Xavier Granier

PhD : Ilya Reshetouski, Mirror Systems for Extended View Point Coverage, Saarland University, Ivo Ihrke

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

PhD : Brett Ridel, Interactive spatial augmented reality, Univ. Bordeaux, Patrick Reuter & Xavier Granier

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

8.2.3. Juries

PhD : Jean-Patrick Roccia [87], 24th of May, Toulouse, France.

PhD : Adrien Bernhardt [36], 3th of July, Grenoble, France.

PhD : Suman-Kumar Maji [71], 12th of November, Bordeaux, France.

PhD : Violaine Todoroff, 9th of December, Toulouse, France.

8.3. Popularization

8.3.1. Exhibitions

Organization of the Inria's booth at Siggraph 2013, Anaheim, US.

Participation at the temporary exhibition "Eternal Egypt" at the Museum "Allard Pierson" in Amsterdam, The Netherlands, with the interactive spatial augmented reality setup "The Revealing Flashlight" [26].

Participation at the temporary exhibition "Du Nil à Alexandrie. Histoires d'eaux" at the Museum "Mariemont" near Bruxelles, Belgium with the 1/5 scale reproduced reassembled Isis statue within the ANR SeARCH project.

8.3.2. Tutorials and Workshops

Tutorial on the Eigen library at Cg-libs, Italian Eurographics chapter, June, Pisa, Italy.

Tutorial at Eurographics 2013, Girona, Spain

Tutorial at German Conference on Pattern Recognition 2013, Saarbrücken, Germany

Workshop at the Nodem 2013 conference: "Interactive exhibitions with 3D content: Virtual Museums - Workshop", December, Stockholm, Sweden.

8.3.3. Miscellaneous

Organization of Miniforum 3D - a meeting between students, researchers, and local industry

<p style="text-align:center;color:red">MAVERICK Project-Team</p>

8. Dissemination

8.1. Scientific Animation

- Romain Vergne is member of the jury for the best paper at AFIG 2013.
- Romain Vergne is member of the "Commission d'auto-évaluation" of the LJK.
- Romain Vergne is member of EGSR 2013 program committee.
- Cyril Soler is member of Eurographics 2013 program committee.
- Cyril Soler is member of Pacific Graphics 2013 program committee.
- Cyril Soler is member of the Eurographics Symposium on Rendering 2013 program committee.
- Joelle Thollot is member of Expressive 2013 program committee.
- Nicolas Holzschuch was co-chair of the Eurographics Symposium on Rendering 2013, with Symon Rusinkiewicz from Princeton University.
- Nicolas Holzschuch was co-chair of the Tutorials track of Eurographics 2014, with Karol Myszkowski from the MPI Informatik.
- Nicolas Holzschuch is a member of Inria "Evaluation Comittee", since 2008.
- Nicolas Holzschuch is a member of the ACM Symposium on Interactive 3D Graphics 2014 program committee.
- Georges-Pierre Bonneau is industrial co-chair of Eurographics 2014, with Xin Tong from Microsoft Research Asia
- Georges-Pierre Bonneau is member of the international program committee of Solid and Physical Modelling 2013
- Georges-Pierre Bonneau is member of the international program committee of EnvirVis'2013 and 2014

8.2. Teaching - Supervision - Juries

8.2.1. *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.

8.2.2. *Supervision*

PhD: Alexandre Derouet-Jourdan, Courbes dynamiques : de la capture de formes géométriques à l'animation, UJF, November 7 2013, Florence Bertails-Descoubes, Joëlle Thollot.

PhD in progress : Eric Heitz, Représentations alternatives pour le traitement haute qualité efficace des scènes complexes, 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.

8.2.3. Juries

- Georges-Pierre Bonneau has been reviewer and member of the jury for the "Habilitation à Diriger des Recherches" of Guillaume Lavoué at the University of Lyon (04/04/13) and Frédéric Cordier at the University of "Haute-Alsace" (29/11/13).

- Georges-Pierre Bonneau has been member of the jury for the PhD of Adrien Bernhardt (Grenoble, 03/07/13), Jeremy Espinas (Lyon, 24/10/13), Lionel Untereiner (Strasbourg, 08/11/13) and Cédric Cordier (Grenoble, 06/12/13).

- Nicolas Holzschuch has been a member of the jury og the "Habilitation à Diriger des Recherches" of Lilian Aveneau at the University of Poitiers (12/12/2013).

MIMETIC Project-Team

9. Dissemination

9.1. Scientific Animation

- F. Multon: **Reviewer** for Journal of Biomechanics, IEEE Transaction of Affective Computing, PlosOne, Computer Methods in Biomedical Engineering journal, Computer & Graphics journal, IEEE TVCG journal, Computer Animation and Virtual Worlds journal **Program Committee member** of ACM SIGGRAPH Asia (Sketches and posters), Motion in Games Conference MIG2013, CASA 2013, **Scientific expert** for "Pole Productique de Bretagne", and Auteo association, in ergonomics, **Session chairman** of in Motion in Games 2013, **Associate Editor** of the Presence journal MIT Press since 2012, **Steering committee member** of Motion in Games Conference, **reviewer** for national ANR projects in computer sciences and health domains, for the Belgium FNRS foundation, and for the HongKong Baptist University for internal promotions.

- M. Christie: **Reviewer** for IEEE Transactions on Visualization and Computer Graphics, ACM Transactions on Graphics, The Visual Computer, Computer Graphics Forum, Computers and Graphics, Journal on Computing and Cultural Heritage, Foundations on Digital Games, Pervasive Computing, Eurographics, Computer And Graphics, Grapp, Motion in Games, Computer Animation and Social Agents **Senior Program Committee member** of Foundations on Digital Games, **Program Committee member** of Grapp, Smartgraphics, **Steering Committee** of Smartgraphics, **External scientific expert** for Natural Sciences and Engineering Research Council of Canada (Discovery Grants)

- R. Kulpa: **Reviewer** for Eurographics, Computer Graphics Forum, GRAPP, Journal of Graphics Tools, Journal of Sport Science, Pacific Graphics, PlosOne, Siggraph Asia, Transaction on Visualization and Computer Graphics, IEEE VR; **Associate Editor** of the Presence journal MIT Press since 2012; **Leader** of a European Intensive Program called "Routine & Cutting-edge Technologies in Physical Activity: Implication for Health & Sport Performance" with the Queen's University of Belfast and the Universitat de Valencia.

- F. Lamarche: **Reviewer** for Computer Animation and Virtual Worlds

- C. Pontonnier: **Reviewer** for IEEE Transactions on Visualization and Computer Graphics, International Journal of Virtual Reality, **Scientific expert** for ANR.

- J. Pettré: **Reviewer** for ACM Transactions on Graphics, Siggraph, Siggraph Asia, Eurographics, Pacific Graphics, Computer Animation and Social Agents, ACM/Eurographics Symposium on Computer Animation, IEEE Transactions on Visualization and Computer Graphics, Computer Animation and Virtual Worlds, ICRA, VR, Journal of Computational Science, Computer Graphics Forum, Autonomous Robots, Motion in Game Conference, **Program Committee member** of Pacific Graphics, Symposium on Computer Animation, International Conference on Computer Graphics Theory and Applications **Scientific expert** for ANR.

- A. Crétual: **Reviewer** for Medical & Biological Engineering & Computing, Journal of Electromyography and Kinesiology, Journal of Musculoskeletal & Neuronal Interactions, Computer Methods in Biomechanics & Biomedical Engineering, **Editorial Board** of Journal of Electromyography and Kinesiology, **Scientific expert** for ANR TecSan program, PCCA (Romanian equivalent of French ANR).

- G. Dumont: **Head** of Media and Interaction department of IRISA (UMR 6074), **Member** of the Selection Committee (CSV) of the Competitiveness Cluster "Media and Networks" (http://www.images-et-reseaux.com/), **Member** of Executive Board of international Journal IJIDeM. **Reviewer** for ASME-IMECE2013, ASME-DETC2013, IEEE Transactions on Visualization and Computer Graphics.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

- Georges Dumont

  First year of Mechatronics : Design project, 24h, École Normale Supérieure de Rennes, France

  Master2, Mechatronics : Mechanical simulation in Virtual reality, 36h, level M2, Rennes 1 University and École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Mechanics of deformable systems, 40h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : oral preparation to agregation competitive exam, 20h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Vibrations in Mechanics, 10h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Multibody Dynamics, 9h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Finite Element method, 12h, level M2, École Normale Supérieure de Rennes, France

  Master2, Mechatronics : Responsible of the second year of the master, Rennes 1 University and École Normale Supérieure de Rennes, France

- Charles Pontonnier

  ESM2 majeure mécanique (Master 1 level) : Numerical techniques, 40h, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

  ESM2 majeure mécanique (Master 1 level) : Numerical simulation of mechanical sytems, 28h, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

  ESM2 majeure mécanique (Master 1 level) : Vibrations in Mechanics, 24h, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

  ESM2 majeure électronique (Master 1 level) : Modelisation and control of manipulators and mobile robots, 40h, École Spéciale Militaire de Saint-Cyr Coëtquidan, France

  EMIA 1 majeure électronique (Bachelor level) : numerical control, 40h, École Inter-Armes de Saint-Cyr Coëtquidan, France

  Master2, formation des enseignants du supérieur : Numerical tools for reasearch, 10h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Design, simulation and control of mechanical systems, 16h, level M2, École Normale Supérieure de Rennes, France

  Master2, formation des enseignants du supérieur : Practicals: identification and control of mechanical systems, 24h, level M2, École Normale Supérieure de Rennes, France

- Franck Multon

  "Image et Mouvement - IMO" (Master 2 Level): leader of the module, Master M2RI Research in Computer Sciences, INSA Rennes, France

  "Santé et performance au travail : études de cas" (Master 1 Level): leader of the module, Master M2S Sports Sciences, University Rennes2, France

  "Analyse biomécanique de la performance motrice" (Master 1 Level): leader of the module, Master M2S Sports Sciences, University Rennes2, France

  "Modélisation et simulation du mouvement" (Master 2 Level): Leader of the module, Master M2S, Sports Sciences, University Rennes2, France

"Ergonomie du poste de travail" (Licence 2-3 levels): Licence STAPS, Ergonomics and sports sciences, University Rennes2, France

"Facteurs psycho sociaux et ergonomie" (Master 2 Level): Mastère Excellence opérationnelle, INSA Rennes, France

- Richard Kulpa

  Co-leader of the Master M2S, Sports Sciences and Health, University Rennes2, France

  "Outils informatiques d'analyse des données" (Master 2 Level): Leader of the module, Master M2S, Sports Sciences and Health, University Rennes2, France

  DIU "Sciences du Mouvement Humain": leader of the module "Nouvelles technologies", University Rennes2, France

  "Biomécanique" (Licence 2-3 levels): Licence STAPS, Ergonomics and sports sciences, University Rennes2, France

  "Méthodes numériques d'analyse du mouvement" (Licence 2-3 levels): Licence STAPS, Ergonomics and sports sciences, University Rennes2, France

  "De la capture de mouvements à l'animation d'humain virtuel" (Engineering school): Ecole Centrale de Nantes, France

  "L'animation d'humain virtuel": IUT Bordeaux 1, France

- Armel Crétual

  Responsible for Master 1 Level of Master "Mouvement, Sport, Santé" (M2S), University Rennes 2

  "Méthodologie", leader of the module, Master M2S, University Rennes2, France

  "Biostatstiques", leader of the module, Master M2S, University Rennes2, France

  "Analyse cinématique du mouvement", Licence 1, University Rennes 2, France

- Marc Christie

  "Multimedia Mobile" (Master 2 Level): leader of the module, Computer Science, University of Rennes 1, France

  "Système d'information Tactiques" (Master 2 Level): Computer Science, University of Rennes 1, France

  "Programmation Impérative 1" (Licence 1 level): leader of the module, University of Rennes 1, France

9.2.2. Supervision

- Christope Lino

  PhD "Dynamic Spatial Partitions for Virtual Camera Control", University of Rennes1, defended in October 2013

  Co-supervised by Marc Christie and Kadi Bouatouch

- Pierre Plantard

  PhD "Maitriser les Troubles MusculoSquelettiques sur les postes de travail: apport de la simulation d'humains virtuels", University Rennes2, Cifre contract with Faurecia (2013-2015).

  Supervised by Franck Multon

- Steve Tonneau

  PhD "Synthèse et planification de mouvements pour des humains virtuels autonomes dans des environnements contraints", INSA Rennes (2011-2014)

  Co-supervised by Julien Pettré and Franck Multon

- Philippe Rannou

    PhD "Modèle rationnel pour les humains virtuels autonomes", University of Rennes 1 (2010-2014)

    Co-supervised by Fabrice Lamarche and Marie Odile Cordier

- Carl-Johan Jorgensen

    PhD "Peuplement automatisé d'environnements urbains pour l'étude et la validation d'aménagements.", University of Rennes 1 (2011-2014)

    Co-supervised by Fabrice Lamarche and Kadi Bouatouch

- Antoine Marin

    PhD "Génération de trajectoires de marche par fonction de tâche", University of Rennes 2,(2010-2014)

    Supervised by Armel Cretual

- Camille Pouliquen

    PhD "Optimisation de modèles musculo-squelettiques au cours du geste sportif. Application au cyclisme et au handball", (2013-2016)

    Co-supervised by Nicolas Bideau and Paul Delamarche

- Ana-Lucia Cruz-Ruiz

    PhD "Design and evluation of a modular and multiscale musculoskeletal model as a support to motion analysis-synthesis in computer animation and robotics", (2013-2016)

    Co-supervised by Charles Pontonnier and Georges Dumont

- Jonathan Perrinet

    PhD "Effet des emotions sur les interactions physique durant la marche", University Rennes1, funded by FP7 TANGO project (2010-2013).

    Co-supervised by Julien Pettré and Stéphane Donikian

- David Wolinski

    PhD "Modèles de simulation foules microscopiques réalistes", University Rennes1, funded by MRT (2012-2015).

    Co-supervised by Julien Pettré and Stéphane Donikian

- Kevin Jordao

    PhD "Peuplement massif de maquettes numériques immenses", University Rennes1, funded by the ANR-CHROME contract (2012-2015).

    Supervised by Julien Pettré

- Julien Bruneau

    PhD "Foules immersives", University Rennes1, funded by MRT (2013-2016).

    Supervised by Julien Pettré

9.2.3. Juries

- Franck Multon

    reviewer of Julien Lardy's PhD defense "Analyse et simulation cinématique du mouvement du bras lors de la manipulation d'un objet pour la simulation ergonomique à l'aide d'un mannequin numérique", IFSTTAR Lyon, University Lyon1, February 2013

    reviewer of Zohrhe Anvari's PhD defense "Transport des enfants et locomotion : approche intégrative biomécanique et comparative chez l'humain et le primate non humain", Museum National d'Histoire Naturelle, September 2013

president of Thibaut Le Naour's PhD defense "Utilisation des relations spatiales pour l'analyse et l'édition de mouvement", University Bretagne Sud, December 2013

reviewer of Maud Pasquier's Phd defense "Segmentation de la locomotion humaine dans le domaine du sport et de la déficience à partir de capteurs embarqués", Université de Grenoble, September 2013

reviewer of Aurore Huchez's PhD defense "Etude de la gestion et du contrôle de l'inertie lors de la réalisation d'une tâche acrobatique complexe en gymnastique", Université de Valenciennes, January 2013

reviewer of Fabrice Megrot's HDR defense "Sur l'instabilité motrice: De l'équilibre du sujet à la marche du patient", Université Technologique de Compiègne, July 2013

president of Nicolas Courty's HDR defense "Contributions to Analysis/Synthesis Schemes in Computer Animation", Université Bretagne Sud, April 2013

- Armel Cretual

  reviewer of Jessica Schiro's PhD defense "Analyse biomécanique multi variables du geste de tourner le volant chez les conducteurs sans déficiences motrices", Université de Valenciennes, March 2013

- Julien Pettré

  reviewer of Panayiotis Charalambous's PhD defense "Data driven techniques for crowd simulation and evaluation", University of Cyprus, December 2013

MINT Project-Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Invited Talks

- "Future generation of tactile stimulators": F. Giraud, Haptic Forum organized by the Femto-ST (november 30th)
- "Past interfaces still have a future": N. Roussel, LIRMM, Montpellier (April 11th)
- "Perception-action coupling for Human-Computer Interaction": N. Roussel, Inria Executive Committee (February 6th)

8.1.2. Journal reviewing

- Transactions on Computing and Cultural Heritage (ACM): T. Pietrzak, D. Marchal
- Transactions on Applied Perception (ACM): T. Pietrzak
- Transactions on Haptics (IEEE): T. Pietrzak, B. Semail
- Transactions on Visualization and Computer Graphics (IEEE): F. Chevalier
- Technique et Science Informatique (Lavoisier) special issue on big data visualization: F. Chevalier (program committee)

8.1.3. Conference organization

- ACM CHI: G. Casiez, PC member and member of the best paper committee; N. Roussel, video showcase co-chair
- ACM UIST: F. Chevalier, PC member
- IEEE 3DUI: G. Casiez, PC member
- ACM EICS: N. Roussel, PC member
- ACM SUI: G. Casiez, PC member
- IEEE VIS, : F. Chevalier, fast-forward co-chair
- IEEE BigData Congress: F. Chevalier, PC member
- IHC (*Simpósio de Fatores Humanos em Sistemas Computacionais*): N. Roussel, PC member
- IHM: N. Roussel, co-president; F. Chevalier, tutorials and workshops co-chair; G. Casiez & T. Pietrzak, PC members
- fOSSa: N. Roussel, PC member
- *Journée IHM-IA*: N. Roussel, co-organizer
- EPE 2013: B. Semail, general chairman

8.1.4. Conference reviewing

- ACM CHI: G. Casiez, F. Chevalier, T. Pietrzak, N. Roussel
- ACM UIST: G. Casiez, F. Chevalier
- ACM EICS: N. Roussel
- IEEE PacificVis: F. Chevalier
- ACM ITS: G. Casiez
- GI: G. Casiez
- TEI: G. Casiez

- IFIP Interact: T. Pietrzak, N. Roussel
- IHC (*Simpósio de Fatores Humanos em Sistemas Computacionais*): N. Roussel
- IHM: G. Casiez, F. Chevalier, T. Pietrzak, D. Marchal

8.1.5. Scientific associations

- AFIHM, the French speaking HCI asssociation: N. Roussel and T. Pietrzak, members of the Executive Committee (vice-president and secretary from November 2011 to November 2013)
- EPE, European Power Electronic association: B.Semail is member of the steering commitee

8.1.6. Evaluation committees and invited expertise

- Inria's acceptance jury for junior researcher positions: N. Roussel
- Inria Lille's eligibility jury for junior researcher positions: N. Roussel (president)
- ANR SIMI 2 panel (*JCJ*, *Blanc* and *Blanc international* calls): N. Roussel
- Expert reviewer for EPSRC (United Kingdom): N. Roussel
- Expert reviewer for Digiteo-DigiCosme: G. Casiez
- Expert reviewer for MITACS (Canada): G. Casiez

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Licence: T. Pietrzak; Compilation, 36h, L3, Univ. Lille 1

Licence: T. Pietrzak; Algorithms and data structures, 36h, L3, Univ. Lille 1

Licence: T. Pietrzak; Automatas and Logic, 55h, L2, Univ. Lille 1

Licence: N. Roussel; Algorithms and imperative programming, 64h, L1, Univ. Lille 1

Licence: G. Casiez; Algorithms and imperative programming, 64h, IUT A, Univ. Lille 1

Licence: G. Casiez; Databases, 48h, IUT A, Univ. Lille 1

Licence: F. Aubert; Introduction to Programming, 48h, L1, Univ. Lille 1

Licence: F. Aubert; Algorithms and imperative programming, 36h, L3, Univ. Lille 1

Master: G. Casiez, L. Grisoni, P. Plénacoste & T. Pietrzak; Human-Computer Interaction, 48h, M1, Univ. Lille 1

Master: G. Casiez & F. Aubert; Multi-Touch Interaction, 24h, M1, Univ. Lille 1

Master: F. Aubert; Computer Graphics, 48h, M1, Univ. Lille1

Master: L. Grisoni & F. Aubert; Advanced 3D modeling, 20h, M2, Univ. Lille 1

Master: G. Casiez & L. Grisoni; Artificial Vision, 12h, M2, Univ. Lille 1

Master: G. Casiez; Multitouch interaction, 7h, M2, Telecom Lille 1

Master: G. Casiez, D. Marchal, F. Aubert & T. Pietrzak; Virtual Reality, 36h, M2, Univ. Lille 1

Master: D. Marchal; Introduction to Unity for Virtual Reality, 10h, M2, Univ. Lille 1

Master: D. Marchal; Game Developement with Unity, 21h, Formation professionnelle, Univ. Lille 1

Introduction to HCI, haptics and computer graphics, 12h, Ecole Centrale de Lille (G2): N. Roussel

8.2.2. Supervision

PhD in progress: Alix Goguey, "Ìnteracting 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

Yosra Rekik, "Multi-finger gestural interaction", Univ. Lille 1, started September 2010, co-advised by L. Grisoni and N. Roussel

PhD in progress: Jérémie Gilliot, "Interactions multi-points indirectes sur grands écrans", Univ. Lille 1, started December 2010, co-advised by N. Roussel and G. Casiez, defense expected in February 2014

PhD in progress: David Selosse, "Annotation interactive de modèles 3D, application à la reconstruction", Univ. Lille 1, started October 2009, co-advised by L. Grisoni and J. Dequidt

PhD: Gina Craciun, "Nouvelles interfaces pour la simulation des opérations d'assemblage dans des environnements virtuels", Suceava Univ. (Romania), defended, co-advised by L. Grisoni and S-G. Pentiuc

PhD: Yi Yang, "Design and Control of an integrated haptic interface for touch screen applications", Beihang University, November 2013, co-supervised by B.Semail, Yuru Zheng (in Beihang University) and M. Amberg

PhD in progress: Wael Ben Messaoud, "Développement et contrôle d'un stimulateur tactile pour textures réelles", University Haute-Alsace, started september 2012, co-supervised by B. Semail and M.-A Bueno (in University Haute-Alsace)

PhD in progress: Sofiane Ghenna, "Modélisation et commande multimodales d'actionneurs piézoélectriques", Univ. Lille1, started October 2013, co-supervised by F.Giraud and C. Giraud-Audine (Arts et Métiers Paris Tech)

PhD in progress: Eric Vezzoli, "Analysis of the interaction between a fingertip and a surface in case of a global tactile stimulation", Univ. Lille1, supervised by B. Semail

PhD in progress: Thomas Sednaoui, "Design and optimization of tactile stimulators", Univ. Lille1, co-supervised by B. Semail and C. Chappaz (ST-Microelectronics)

PhD in progress: Nicolas Bremard, "Interaction hybride via smarthphone", Univ. Lille1, started December 2012, co-advised by L. Grisoni and F. Aubert

8.2.3. *Juries*

PhD committees

- Cyprien Pindat (Univ. Paris-Sud, December): G. Casiez, reviewer
- Huiyuan Cao (Université de Technologie de Compiègne, November): N. Roussel, reviewer
- Dong-Bach Vo (Télécom ParisTech, September): N. Roussel, reviewer
- Simon Perrault (Télécom ParisTech, May): G. Casiez, reviewer
- Bérenger Arnaud (Univ. Montpellier 2, April): N. Roussel, reviewer
- Mikaël Martin (Ensam ParisTech, November): F. Giraud, reviewer
- Edouard Leroy (CEA, Polytechnique, December), B. Semail reviewer

8.3. Popularization

- "*Douglas Engelbart, inventeur et visionnaire*", an article for the Interstices web site (J. Aceituno & N. Roussel, December 20th)
- MIRIM, an installation within Inria's demonstration area at EuraTechnologies to illustrate the experimental nature of HCI research (M. Amberg, M-A. Dupré & N. Roussel, starting from October)
- Interview with Benoit Georges, from Les Echos, published as a supplement to his article on novel interfaces for tablets, smartphones and computers (N. Roussel, October 14th)

- *Chercheurs itinérants*: brief introduction to research topics for high-school students (J. Aceituno, L. Grisoni, L. Potier, H. Rateau, Y. Rekik & N. Roussel, October)

- Invited talk for a group of high-school teachers from Nice academy involved in the ISN (*informatique et sciences du numérique*) specialty (N. Roussel, June 4th)

- Co-organization of the press and VIP tour of the interactive exhibition of the ACM CHI conference in Paris (N. Roussel, April 29th)

- "*A propos de l'interaction homme-machine*", a podcast for the Interstices web site (N. Roussel, April 26th)

- Invited talk as part of the launch of the 2013 "Questions numériques" publication by FING (N. Roussel, February 21st)

POTIOC Team

8. Dissemination

8.1. Scientific Animation

- Editoring : ACM Journal of Computer and Cultural Heritage - Special issue on "Interacting with the Past" (M. Hachet)
- Conference organization (all Potioc team) and general chairing (M. Hachet): IHM 2013
- Workshop organization: "affective Brain-Computer Interface (aBCI) workshop" at ACII, 2013 (C. Mühl)
- Workshop organization: "Brain-Computer Interface workshop in Bordeaux", co-organized with the g.tec R&D company, March 2013 (F. Lotte)
- Workshop organization: "Teachning the BCI skill: feedback and human training approaches", International BCI meeting 2013, Asilomar, CA, USA, co-organized with R. Scherer (TU Graz) and A. Lécuyer (Inria Rennes), June 2013 (F. Lotte)
- Steering committee : IEEE 3DUI (M. Hachet)
- Program committees : IEE VR 2013 (M. Hachet), ISIS3D (M. Hachet), Web3D 2013 (J. Jankowski), aBCI workshop @ ACII 2013 (C. Mühl, F. Lotte), ACII 2013 (F. Lotte), PRNI 2013 (F. Lotte), IEEE SSCI-CCMB 2013 (F. Lotte)
- Reviewing for conferences: ACM CHI 2013 (M. Hachet, F. Lotte), ACM CHI 2014 (M. Hachet, F. Lotte, J. Jankowski, C. Mühl, J. Laviole), ACM UIST 2013 (M. Hachet, J. Laviole), INTERACT 2013 (J. Jankowski, F. Lotte), Web3D 2013 (J. Jankowski), SUI 2013 (J. Jankowski), MobileHCI 2013 (J. Jankowski), CSCW 2014 (J. Jankowski), 3DUI 2014 (J. Jankowski, J. Laviole), ISMAR 2013 (J. Laviole), ITS 2013 (R. Gervais), PG 2013 (R. Gervais), ACII 2013 (F. Lotte), aBCI Workshop @ ACII 2013 (J. Frey, C. Mühl, F. Lotte), IHM 2013 (F. Lotte), PRNI 2013 (F. Lotte), IEEE SSCI-CCMB 2013 (F. Lotte)
- Reviewing for journals: ACM Journal on Computing and Cultural Heritage (J. Jankowski, R. Gervais, J. Frey), GeoInformatica (J. Jankowski), Technique et Science Informatique (TSI) (R. Gervais), IEEE Transactions on Affective Computing (C. Mühl), Brain-Computer Interfaces (F. Lotte), Frontiers in Neuroprosthetics (F. Lotte), IEEE Transactions on Biomedical Engineering (F. Lotte), IEEE Transactions on Human Machine Systems (F. Lotte), International Journal of Neural Systems (F. Lotte), Journal of Neural Engineering (F. Lotte), NeuroImage (F. Lotte), Presence (F. Lotte), IEEE Reviews in Biomedical Engineering (F. Lotte)
- Reviewing for book chapters: Handbook of Affective Computing @Oxford (C. Mühl)
- ANR : Revue de programme CONTINT 2013 (M. Hachet)

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Teaching at University of Bordeaux I:
- Master: Jérémy Laviole, Réalité Virtuelle immersive, Projet Étude et Développement, Master 2, University of Bordeaux I, France
- Bachelor: Jérémy Frey, supervision of 3 programming projects during "semestre rebondir", 30h, 1st year, University of Bordeaux 1, France
- Bachelor: Jérémy Frey, réseau et projet de programmation 2, 35h, 3rd year, University of Bordeaux 1, France

Teaching at University of Bordeaux II:

- Master: Martin Hachet, Réalité Virtuelle, 24h eqtd, M2 Sciences Cognitives, Université Bordeaux Segalen, France

- Master: Fabien Lotte, Réalité Virtuelle, 12h eqtd, M2 Sciences Cognitives, Université Bordeaux Segalen, France

- Bachelor: Camille Jeunet, Knowledge and Representations, 18h, 3rd Year, Cognitive Sciences, Université Bordeaux Segalen, France

Teaching at Enseirb-Matmeca:

- Master: Martin Hachet, Réalité Virtuelle, 12h eqtd, 3rd Year, Enseirb-Matmeca, IPB, France

- Master: Fabien Lotte, Réalité Virtuelle, 2h eqtd, 3rd Year, Enseirb-Matmeca, IPB, France

- Master: Jérémy Laviole, Virtual Reality, 9h, 3rd Year, Enseirb-Matmeca, France

- Master: Jérémy Laviole, Object Tracking Project, 8h, 3rd Year, Enseirb-Matmeca, France

- Bachelor: Renaud Gervais, Medias numeriques, 4h, Enseirb-Matmeca, France

Other teaching activities:

- Master: Jérémy Laviole, Augmented Reality Course + TP, 16h, 3rd Year, ENJMIN, France

8.2.2. *Supervision*

- PhD: Jérémy Laviole, "Interaction en Réalité Augmentée Spatiale pour le Dessin Physique", Université Bordeaux 1, Defended December 5th, 2013, Martin Hachet

- PhD in progress: Renaud Gervais, "Organic User Interfaces", started December 1st, 2012, Martin Hachet

- PhD in progress: Jérémy Frey, "Assesing 3DUI with passive Brain-Computer Interfaces", started October 1st, 2012, Fabien Lotte and Martin Hachet

- PhD in progress: Camille Jeunet, "Human Learning for Brain-Computer Interfaces", started October 1st, 2013, Fabien Lotte, Martin Hachet, Bernard N'kaoua and Sriram Subramanian.

- Master 2: Camille Jeunet, Master 2 from University of Bordeaux 2, affective BCI, February-June 2013 (C. Mühl, F. Lotte)

- Engineer (Master 2): Pierre-Marie Plans, Enseirb-Matmeca 3rd year, Collaborative virtual reality, February-June 2013 (M. Hachet)

- Master 1: Leonard Pommereau, Master 1 from University of Bordeaux 2, EEG and stereoscopy, April-June 2013 (F. Lotte, M. Hachet)

8.2.3. *Juries*

- PhD Jury: Prashant Arvind-Pala, Université Bordeaux Segalen, 18 Dec. 2013 (M. Hachet)

- PhD Jury: Javier Mauricio Antelis, University of Zaragoza, Spain, June 2013 (F. Lotte)

- PhD Jury: Mohit Kumar Goel, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland, June 2013 (F. Lotte)

- PhD Jury for half-PhD (after 1.5 year of PhD work): Raphaelle N. Roy, CEA-Leti/Gipsa-Lab, Grenoble, France (F. Lotte)

- External PhD Review: Adam Westerski - Universidad Politecnica de Madrid (J. Jankowski)

8.3. Popularization

The members of Potioc have published several popularization articles targeted to the general public:

- "Quand la réalité virtuelle rencontre les surfaces tactiles" (http://interstices.info/toucheo), Interstices [24] (M. Hachet)
- "Arrêtez de regarder la 3D, prenez-en le contrôle !" (http://www.inriality.fr/informatique/interaction-homme-machine/3d/arretez-de-regarder-la/), Inriality [23] (M. Hachet)
- "Grâce au numérique, on peut lire dans les pensées" (https://interstices.info/jcms/nn_73094/grace-au-numerique-on-peut-lire-dans-les-pensees), Interstices : Idée reçue [26] (F. Lotte)
- " Interaction Hommes-Machines : une histoire de 30 ans" (http://www.inriality.fr/informatique/interface-homme-machine/inria/interaction-hommes-machines-une/), Inriality [25] (M. Hachet)

They gave the following popularization talks:

- "L'activité cérébrale pilote directement l'ordinateur : présentation de l'interface cerveau-ordinateur (Brain-Computer interface)", conference "Demain les objets sont connectés !", event "Semaine Digitale 2013" in Bordeaux (J. Frey)
- Talk introducing BCI and follow-up debate around augmented human, conference "L'homme « augmenté » : notre avenir est-il « cyborg » ?", event "Nancy Renaissance 2013" in Nancy (J. Frey)
- "Utiliser son cerveau pour contrôler une machine", Cité des sciences, Paris (F. Lotte)
- "Le cerveau au commandes", conference as part of the "Cervorama" exhibition, Cap-Sciences, Bordeaux (F. Lotte)
- "Interfaces Cerveau-Ordinateur et Homme Augmenté", conférence "Neurotechnologies: vers un homme augmenté?", Bordeaux (F. Lotte)

They also demonstrated their work to the general public during various events:

- Portes ouvertes Université Bordeaux1, demonstrations de PapARt (J. Laviole)
- Cap Sciences - expo permanente, PapARt - development (J. Laviole)
- Cap Sciences - Évènement IHM 2013, demonstration de PapARt (J. Laviole)
- BCI demo for highschool students following "informatique et sciences du numérique" courses (J. Frey, A. Cellard, F. Lotte)
- BCI demo for the general public during "La nuit des chercheurs" in Talence (F. Lotte, A. Cellard)

Finally, they also participated to the following events

- Aquitec 2013, for promoting research jobs (J. Frey)
- Film-debate, "ExistenZ : faut-il avoir peur de la réalité virtuelle ?", University of Bordeaux 1 (J. Frey)
- Interview for a highschool class for their video project on science (A. Cellard)
- Participation to "visages des sciences 2013" (postcard and video interview) (A. Cellard)
- Interview (video and paper) for the SoNews online journal (local Inria Bordeaux newspaper) (A. Cellard)

REVES Project-Team

8. Dissemination

8.1. Scientific Animation

8.1.1. Program Committees

- George Drettakis served on the SIGGRAPH 2013 program committee.
- Adrien Bousseau served on the Eurographics program committee, on the Eurographics Symposium on Rendering program committee and on the NPAR program committee.
- Christian Richardt participated in the Expressive 2013 program committee and created the website: http://www.cl.cam.ac.uk/conference/expressive-2013/.

8.1.2. Community Service

G. Drettakis chaired the Eurographics (EG) Awards Committee until May this year, and chairs the EG Working group on Rendering and is part of the EG conference steering committee and the Advisory Board for Eurographics 2013. He also served on several ad-hoc ACM and IEEE Committees, concerning policy and EIC searches. He is an associate editor-in-chief for IEEE Transactions on Computer Graphics and Visualization. He also heads the steering committee of the Gouraud-Phong Immersive Space at Sophia-Antipolis.

8.2. Teaching - Supervision - Juries

8.2.1. 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 7.5h in this program.

8.2.2. Supervision

- PhD in progress: Rodirgo Ortiz-Cayon, Inpainting and Artifact Removal for Image Based Rendering, (started November 2013), Advisor George Drettakis.
- PhD in progress: Gaurav Chaurasia, Image-Based Rendering, since October 2010 (to defend February 2014), Advisor: George Drettakis
- PhD in progress: Emmanuelle Chapoulie, Gestures in VR, since October 2010 (to defend April 2014), Advisor: George Drettakis
- PhD in progress: Emmanuel Iarussi, Computer-Assisted Drawing, since October 2012, Advisor: George Drettakis, Co-advisor: Adrien Bousseau
- Internship: Julia Chatain (Ecole Polytechnique, from April 8 to Aug. 9, 2013). Depicting materials in vector graphics. Advisor: George Drettakis, Co-advisor: Adrien Bousseau, Jorge Lopez Moreno
- Internship: Uditha Kasthuriarachchi (Jul. to Sep. 2013). GPU-Based Refraction. Advisor: George Drettakis, Co-advisor: Stefan Popov

8.2.3. International Internship

- Joal Sol Roo (UNCPBA Argentina, from May 21 to Sept. 13, 2013). Advisor: Adrien Bousseau, Christian Richardt

8.2.4. Juries

George Drettakis served on Mauricio Delbracio's Ph.D. committee.

8.3. Popularization

8.3.1. Popularization, Invited Talks

- Adrien Bousseau presented the work on Coherent Intrinsic Images from Photo Collections (SIG-GRAPH Asia 2012) in the Research Session of the FMX conference in Stuttgart.
- Adrien Bousseau presented the work on sketching tools for designers as a "Cafe'In" at the Inria Sophia Antipolis center and as an introduction to research for high school students from Nice (MathC2+) and Grasse. This work also appeared as an article on the Inria Sophia Antipolis website http://www.inria.fr/centre/sophia/actualites/des-outils-informatiques-pour-les-artistes-et-les-createurs
- Christian Richardt gave invited talks at UC Berkeley, Stanford, Nvidia Research (Santa Clara, California) and TU Berlin (Germany).

8.3.2. Demos

We gave demos (mainly of the immersive space) to high school students, representatives from the planned Museum of Cosquer in Marseille, Sup'Com Tunis, the companies Thales, Thales AleniaSpace and Optis.

8.3.3. Conferences and Invited Talks

- At SIGGRAPH 2013, Adrien Bousseau presented the work on Gloss Perception in Painterly and Cartoon Rendering [14]. Jorge Lopez Moreno also presented our work at the French chapter of SIGGRAPH in Paris. Our work also appeared on the Inria Sophia Antipolis website (http://www.inria.fr/centre/sophia/actualites/siggraph-2013-trois-equipes-du-centre-presentent-leurs-travaux).
- Adrien Bousseau and Emmanuel Iarussi attended the ACM CHI conference in Paris (May).
- Adrien Bousseau and Emmanuel Iarussi attended the ACM UIST conference in St Andrews (October) where Emmanuel Iarussi presented the paper on assisting drawing from photographs [19].
- Adrien Bousseau gave a talk on drawing tools for depicting stylized materials at the "Groupe de Travail sur le Rendu" in Paris http://gtrendu.blogspot.fr/.
- George Drettakis attended Eurographics 2013 in Girona Spain (May) and EGSR 2013 in Zaragoza Spain (June).
- Gaurav Chaurasia attended Eurographics Symposium on Rendering at Zaragoza (Spain) June 19-21, 2013.
- Gaurav Chaurasia presented the paper "Depth Synthesis and Local Warps for Plausible Image-based Navigation" at SIGGRAPH at Annaheim (CA, USA) between July 21-25, 2013.
- Gaurav Chaurasia gave an invited talk titled "Algorithms and Perception for Interactive Free-Viewpoint Image-Based Navigation" at Microsoft Research Redmond, USA on July 18, 2013. He was hosted by Dr. Eyal Ofek in the Xtreme Computing Group.
- Gaurav Chaurasia visited MIT CSAIL between Aug 1, 2013 and Sept 30, 2013. He was hosted by Prof. Fredo Durand computer graphics group.
- Stefan Popov presented his paper at Eurographics 2013 in Girona, Spain
- Stefan Popov attended the Eurographics Symposium on Rendering 2013 in Zaragoza, Spain
- Christian Richardt attended the Berkeley-Inria-Stanford workshop in Stanford to represent the CRISP associate team.
- Christian Richardt attended Eurographics 2013 in Girona, Spain.
- Christian Richardt attended CVPR 2013 in Portland, Oregon, to present the "Megastereo" paper.
- Christian Richardt attended SIGGRAPH 2013 in Anaheim, California, and co-presented a paper with Peter Vangorp (Perception of Perspective Distortions in IBR).
- Emmanuel Iarussi participated in the ACM CHI Conference on Human Factors in Computing Systems. Paris, France - 27 April, 2 May 2013, and in the ACM Symposium on User Interface Software and Technology (UIST), St Andrews, UK, October 8-11, 2013.
- Sylvain Duchêne attended Siggraph Conference 2013 in Anaheim, USA, 18 hours Inria class on Computational Geometry Learning from David Cohen-Steiner, and university english course LAN02.

9. Dissemination

9.1. Scientific Animation

Pierre Alliez, Clément Jamin, Manish Mandad and Thijs van Lankveld have contributed to the organization of Digital Heritage 2013 held in Marseille, October 28 to November 1st.

Pierre Alliez was a paper committee member of EUROGRAPHICS Symposium on Geometry Processing, ACM Virtual Reality International Conference and Shape Modeling International. He is an associate editor of ACM Transactions on Graphics since 2009, and of Elsevier Graphical Models since 2010. This year he joined the editorial board of Computer Aided Geometric Design.

David Bommes was a paper committee member of EUROGRAPHICS Symposium on Geometry Processing, Shape Modeling International, EUROGRAPHICS short papers, ACM SIGGRAPH Asia technical briefs and posters and Digital Heritage.

Florent Lafarge was a paper committee member of ISPRS workshop on City Models, Roads and Traffic, ACM SIGGRAPH Asia technical briefs and posters, CAD/Graphics, Laser Scanning, Digital Heritage and Indoor3D, and a reviewer for CVPR and ICCV.

9.2. Seminars and invited talks

Florent Lafarge gave seminars at the University of Auckland (New Zealand), UCL (United Kingdom) and ETH Zurich (Switzerland). He was a keynote speaker at ISPRS SSG'13 in Antalya (Turkey).

9.3. Teaching - Supervision - Juries

9.3.1. Teaching

Master : Pierre Alliez, 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, 30h, 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

PhD : Yannick Verdie, Urban scene modeling from airborne data, University of Nice Sophia Antipolis, October 15, Florent Lafarge and Josiane Zérubia.

PhD in progress : Simon Giraudot, Noise-adaptive shape reconstruction, October 2011, Pierre Alliez.

PhD in progress : Xavier Rolland-Neviere, watermarking of 3D models, October 2011, Pierre Alliez.

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

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

PhD in progress : Dorothy Duan, Semantized Elevation Maps, October 2013, Florent Lafarge and Pierre Alliez.

9.3.3. Juries

Pierre Alliez:

- Thesis committee: Ricardo Uribe-Lobello (LIRIS, CNRS Lyon).
- Thesis committee: Yannick Verdie (Inria).
- Thesis reviewer: Thijs van Lankveld (Utrecht University).
- Thesis committee: Adrien Maglo (Centrale Paris).
- Thesis committee: Noura Faraj (Telecom ParisTech).
- HDR thesis reviewer: Guillaume Lavoue (Universite Lyon).

9.4. Popularization

Florent Lafarge gave talks to high school students on city modeling (Lycee Tocqueville, Lycee De La Montagne, and Stage MathC2+). He is a member of the editorial board of LISA (Inria SAM newsletter).

<div align="center">

ALPAGE Project-Team

</div>

9. Dissemination

9.1. Scientific Animation

- Alpage members were involved in many Program, Scientific or Reviewing Committees for other journals and conferences. For example, Éric Villemonte De La Clergerie participated to the program committees of IWPT'13, LGC'13, HMGE'13, DepLing'13, EPIA'13 TeMA, AAAI'13 Student workshop, plus reviewing for ACL'13, NAACL'13, and TALN'13; Djamé Seddah was a PC member of SPMRL'13, EMNLP, IJCNLP, CICLing, TALN, IWPT; Laurence Danlos was a reviewer for ACL, the Generative Lexicon Workshop, TALN, and the TAL journal; Benoît Crabbé was a reviewer for Formal Grammar, CSSP, TALN, RECITAL, Dependency Linguistics, Journal of Language Modelling, Language Ressources and Evaluation; Benoît Sagot was a Program Committee member or reviewer for the LRE and for the TAL journal (vol. 54:1 and 54:2), as well as for the conferences TALN, ACL, SFCM, IJCNLP and SPMRL

- Participation of Éric Villemonte De La Clergerie to the editorial board of French journal T.A.L. as "Redacteur en chef" (chief editor)

- 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)

- Laurence Danlos is a member of the Permanent Committee of the TALN conference organized by ATALA.

- Laurence Danlos is a member of the Scientific Committee of the UFR of Linguistics of University Paris Diderot.

- Benoît Crabbé and Laurence Danlos are members of the Administrative board of the UFR of Linguistics of University Paris Diderot.

- Benoît Crabbé co-organized the research seminar : lectures in experimental linguistics (Univ P7)

- Benoît Crabbé is responsible for the L3 computational linguistics (Univ Paris Diderot)

- 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; Benoît 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.

- Djamé Seddah is one of the founders of the statistical parsing of morphologically rich language initiative (**SPMRL**) that started during IWPT'09. He was the program co-chair of the successful SPMRL 2010 NAACL-HLT Workshop and of its 2011 (at IWPT) and 2012 (at ACL) editions. In 2013, he was chair of the Shared Task that was organized together with this year's edition of SPMRL, for which he, Marie-Hélène Candito, Benoît Crabbé and Benoît Sagot were member of the program committee. Finally, Alpage is a major sponsor of this series of workshops.

- Marie-Hélène Candito organized the Alpage research seminar.

- Benoît Sagot served as a project reviewer for the National Research Agency (ANR), calls "bilatéraux SHS" and "STIC".

- Djamé Seddah is the "Responsable pédagogique" for the C2I courses for Université Paris-Sorbonne

- Benoît Crabbé tought an invited course on Experimental Grammar at the Summer School on Empirical Linguistics at the Berder island (France), organized by the LabEx EFL (international audience)
- Benoît Sagot was an invited speaker at the workshop on Computational Approaches to Morphological Complexity organized by the Surrey Morphology Group in Paris
- many members of the team were invited to give talks in France and aborad, as for example in Geneva (Marie-Hélène Candito), Düsseldorf (Djamé Seddah, Benoît Sagot), Montreal (Djamé Seddah, Rosa Stern), Columbia University (Benoît Sagot).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Laurence Danlos, Introduction to NLP, 28h, L3, Université Paris-Diderot, France

Laurence Danlos, Discourse, NLU and NLG, 28h, M2, Université Paris-Diderot, France

Marie-Hélène Candito, Information retrieval, 12h, M2, Université Paris-Diderot, France

Marie-Hélène Candito, Clustering and Classification, 12h, M2, Université Paris-Diderot, France

Marie-Hélène Candito, Automatic semantic analysis, 12h, M2, Université Paris-Diderot, France

Marie-Hélène Candito, Machine translation, 48h, M1, Université Paris-Diderot, France

Benoît Crabbé, Linguistic data analysis, 24h, M2, Université Paris-Diderot, France

Benoît Crabbé, Introduction to computer science, 24h, L3, Université Paris-Diderot, France

Benoît Crabbé, Introduction to Statistics and Probability, 24h, L3, Université Paris-Diderot, France

Benoît Crabbé, Probabilistic methods for NLP, 48h, M1, Université Paris-Diderot, France

Benoît Crabbé, Introduction to Computational Linguistics, 24h, L3, Université Paris-Diderot, France

Benoît Sagot, Natural Language Parsing, 28h, M2, Université Paris-Diderot, France

Djamé Seddah, Linguistic Models and Computational Linguistics, 38h, M1, Université Paris-Sorbonne, France

Djamé Seddah, Machine Translation, 30h, M2, Université Paris-Sorbonne, France

Djamé Seddah, C2I, 30h, L2, Université Paris-Sorbonne, France

9.2.2. Supervision

Charlotte Roze, *Vers une algèbre des relations de discours*, Université Paris-Diderot, May 22, PhD thesis supervized by Laurence Danlos, co-supervized by Philippe Muller

Enrique Henestroza Anguiano, *Efficient Large-Context Dependency Parsing and Correction with Distributional Lexical Resources*, Université Paris-Diderot, June 27, PhD thesis supervized by Laurence Danlos, co-supervized by Alexis Nasr and Marie-Hélène Candito

Rosa Stern, *Identification automatique d'entités pour l'enrichissement de contenus textuels*, Université Paris-Diderot, June 28, PhD thesis supervized by Laurence Danlos, co-supervized by Benoît Sagot

Pierre Magistry, *Unsupervised Word Segmentation and Wordhood Assessment: the case for Mandarin Chinese*, Université Paris-Diderot, December 19, PhD thesis supervized by Sylvain Kahane, co-supervized by Benoît Sagot and Marie-Claude Paris

Corentin Ribeyre, *vers la syntaxe profonde pour l'interface syntaxe-sémantique*, started in November 2012, supervized by Laurence Danlos, co-supervized by Djamé Seddah and Éric Villemonte De La Clergerie.

Isabelle Dautriche, *Exploring early syntactic acquisition: a experimental and computational approach*, started in September 2012, co-supervized by Benoît Crabbé.

Marion Baranes, *Correction orthographique contextuelle de corpus multilingues et multicanaux*, started in January 2012, supervized by Laurence Danlos, co-supervized by Benoît Sagot, in collaboration with the *viavoo* company.

Marianne Djemaa, *Création semi-automatique d'un FrameNet du français, via interface syntaxe-sémantique*, started in October 2012, supervized by Laurence Danlos, co-supervised by Marie-Hélène Candito

Chloé Braud, *Développement d'un système complet d'analyse automatique du discours à partir de corpus annotés, bruts et bruités*, started in September 2011, supervized by Laurence Danlos, co-supervized by Pascal Denis

Valérie Hanoka, *Construction semi-automatique de réseaux lexicaux spécialisés multilingues*, started in January 2011, supervized by Laurence Danlos, co-supervized by Benoît Sagot

Emmanuel Lassalle, *Résolution automatique des anaphores associatives*, started in September 2010, supervized by Laurence Danlos, co-supervized by Pascal Denis

9.2.3. Juries

We do not mention in this section participations to PhD defense committees as supervisor or co-supervisor.

- Laurence Danlos served in the PhD defense committe of Noémie-Fleur Sandillon-Rezer. Field: computer science. Title: *Acquisition de grammaires catégorielles à partir de corpus annotés*. Other members of the committee: Christian Rétoré (U. Bordeaux, supervisor), Richard Moot (CNRS, co-supervisor), Mark Steedman (University of Edinburgh, reviewer), Annie Forêt (U. Rennes, reviewer), Alexis Nasr (U. de la Méditerrannée), Géraud Sénizergues (U. Bordeaux), Tim van de Cruys (CNRS).

- Marie-Hélène Candito served in the PhD defense committe of Assaf Urieli. Field: linguistics. Title: *Robust French syntax analysis: reconciling statistical methods and linguistic knowledge in the Talismane toolkit*. Other members of the committee: Ludovic Tanguy (CNRS, supervisor), Alexis Nasr (U. de la Méditerrannée, reviewer), Éric Wehrli (LATL, reviewer), Nabil Hathout (CNRS).

- Djamé Seddah served in the PhD defense committe of Anthony Sigogne. Field: computer science. Title: *Intégration de ressources lexicales riches dans un analyseur syntaxique probabiliste*. Other members of the committee: Eric Laporte (U. Paris-Est, supervisor), Matthieu Constant (U. Paris-Est, co-supervisor), Alexis Nasr (U. de la Méditerrannée, reviewer), Thierry Poibeau (CNRS, reviewer), Isabelle Tellier (U. Sorbonne-Nouvelle).

- Benoît Sagot and Laurence Danlos served in the PhD defense committee of Rosa Stern, as PhD supervisors. Field: linguistics. Title: *Identification automatique d'entités pour l'enrichissement de contenus textuels*. Other members of the committe: Adeline Nazarenko (LIPN, reviewer), Frédéric Béchet (U. de la Méditerrannée, reviewer), Éric Charton (U. Polytechnique de Montréal), Denis Teyssou (AFP, CIFRE industrial supervisor)

- Laurence Danlos served in the PhD defense committe of Charlotte Roze, as PhD supervisor. Field: linguistics. Title: *Vers une algèbre des relations de discours*. Other members of the committee: Philippe Muller (IRIT, co-supervisor), Francis Corblin (U. Paris Sorbonne, reviewer), Owen Rambow (Columbia University, reviewer), Liesbeth Degand (U. Catholique de Louvain), Laure Vieu (CNRS).

- Laurence Danlos (supervisor) and Marie-Hélène Candito (co-supervisor) served in the PhD defense committe of Enrique Henestroza Anguiano. Field: computer science. Title: *Efficient Large-Context Dependency Parsing and Correction with Distributional Lexical Resources*. Other members of the committe: Alexis Nasr (U. de la Méditerrannée, co-supervisor), Matthieu Constant (U. Paris-Est, reviewer), Joakim Nivre (Uppsala University, reviewer), Bernd Bohnet (University of Birmingham).

- Sylvain Kahane (supervisor) and Benoît Sagot (co-supervisor) served in the PhD defense committe of Pierre Magistry. Field: linguistics. Title: *Unsupervised Word Segmentation and Wordhood Assessment: the case for Mandarin Chinese*. Other members of the jury: Marie-Claude Paris (U. Paris-Diderot, co-supervisor), Hsieh Shukai (National Taiwan University, reviewer), Yves Lepage (Waseda University, reviewer), Pierre Zweigenbaum (CNRS).

9.3. Popularization

- Benoît Sagot has given in December 2013 a tutorial about the MElt POS-tagger for approx. 20 linguists, as part of the activities of the Corpus Écrits consortium, which belongs to the TGIR Huma-Num.

- General NLP presentation at the ISN day (for Math teachers, computer science option, December 4th)

- Interventions at Digilinguo (organized by DGLFLF) on April 15th and June 5th, in particular for the promotion of Mgwiki

- Intervention at the Inria I-Match day, organized during the "Futur en Seine" event (June 14th)

<p style="text-align: center; color: red;">**PANAMA Project-Team**</p>

9. Dissemination

9.1. Scientific Animation

Rémi Gribonval is in charge of the Action "Parcimonie" within the French GDR ISIS on Signal & Image Processing

Rémi Gribonval is a member of the International Steering Committee for the LVA conference series.

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 was a member of the organizing committee of the GRETSI 2013 edition.

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).

Frédéric Bimbot is the Head of the "Digital Signals and Images, Robotics" in IRISA (UMR 6074).

Frédéric Bimbot has been the General Chairman of the Interspeech 2013 Conference in Lyon (1400 participants) [46].

Frédéric Bimbot is a member of the International Advisory Council of ISCA (International Speech Communication Association)

Nancy Bertin is a member of the IEEE Technical Committee on Audio and Acoustic Signal Processing (2013–2015).

Nancy Bertin and Frédéric Bimbot co-organised a two-day workshop on "localization, separation and tracking of audio sources", in the context of IRISA D5 (Signal, Image & Robotics) department's scientific animation seminars.

Laurent Albera was a scientific council member at University of Rennes 1.

Laurent Albera was co-organizer with David Brie at Paris of a one-day seminar on tensor decompositions and applications sponsored by the GDR ISIS (french research groups in signal and image processing).

9.2. Teaching - Supervision - Juries

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 : 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 Représensation 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", 18 hours, L2, Université Rennes 1, France

Licence: L. Albera, "Mathematics for electronics", 21 hours, L3, Université Rennes 1, France

Licence: L. Albera, "Mathematics", 48 hours, L3, Ecole Supérieure d'Ingénieurs de Rennes, France

Master: L. Albera, "Multimodal analysis of biomedical signals", 12 hours, M1, Ecole Supérieure d'Ingénieurs de Rennes, France

Master: L. Albera, "Evaluation of EEG signals to measure brain activity during entertainment applications", project supervision (with Technicolor R&I France), M2, Ecole Supérieure d'Ingénieurs de Rennes, France

Master : L. Albera, "Blind equalization", 4.5 hours, M2, Université Rennes 1, France

Master: L. Albera, "Brain source imaging", project supervision, M2, Université Rennes 1, France

Doctorat : L. Albera, "Brain source imaging", 2.5 hours, EUROSAE formation continue, France

Doctorat : L. Albera, "Brain source imaging", 6 hours, CominLabs, 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: Nancy Bertin, Frédéric Bimbot, Jules Espiau de Lamaestre, Rémi Gribonval, Corentin Guichaoua, Srdan Kitic, Stéphanie Lemaile, Pierre Machart, Laurent Simon, Nathan Souviraà-Labastie, Stefan Ziegler.

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 2013 hosted 350 visitors.

9.3.2. *Radio and press*

Nancy Bertin was an invited speaker in the France Inter scientific radio show "La Tête au Carré".

<p style="text-align:center">**PAROLE Project-Team**</p>

9. Dissemination

9.1. Scientific animation

- Members of the team frequently review articles and papers for the following journals and conferences: Computer Speech and Language, Traitement du Signal, ICASSP, INTERSPEECH, AVSP, ASRU, SLAM, CHiME, JEP.
- Member of editorial boards:
  - Computer Speech and Language, special issue on Speech Separation and Recognition in Multisource Environments (E. Vincent) [15]
  - IEEE Transactions on Audio, Speech, and Language Processing (E. Vincent)
  - Eurasip Journal on Audio speech and Music Processing (Y. Laprie)
- Member of scientific committee of conference:
  - INTERSPEECH'2013 (area chair: D. Jouvet)
  - INTERSPEECH'2013 (K. Smaïli)
  - TALN 2013 (K. Smaïli)
  - IEEE Technical Committee on Audio and Acoustic Signal Processing (E. Vincent)
  - Steering Committee of the LVA conference series (E. Vincent)
- Special session:
  - Special Session at Interspeech 2013 "Articulatory data acquisition and processing" (Co-organizer: S. Ouni)
- General chair:
  - 12th International Conference on Auditory-Visual Speech Processing (AVSP2013), August 2013 (S. Ouni)
  - 2nd International Workshop on Machine Listening in Multisource Environments, Vancouver, June 2013 (E. Vincent)
  - Journée de la Fédération Charles Hermite 'Incertitudes: approches et défis', Nancy, December 2013 (E. Vincent)
  - 4th Joint Workshop on Hands-Free Speech Communication and Microphone Arrays, Nancy, May 2014 (E. Vincent)
- Organizer of the 2nd CHiME Speech Separation and Recognition Challenge (E. Vincent).
- Members of the team have been invited as lecturers:
  - Emmanuel Vincent, "Introduction to sound scene analysis - Source localization", "Source separation" and "Source classification", Journées Thématiques IRISA 'Localisation, séparation et suivi de sources audio', Rennes, February 2013 [32], [35], [34]
  - Emmanuel Vincent, "Leveraging online sound exposure and big data", 013 Hearing Aid Developers Forum, Oldenburg, June 2013 [33]
  - Emmanuel Vincent, "Uncertainties in speech and audio processing", Journée de la Fédération Charles Hermite 'Incertitudes: approches et défis', Nancy, December 2013 [73]
  - David Langlois, "Uncertainty in Machine Translation", Journée de la Fédération Charles Hermite 'Incertitudes: approches et défis', Nancy, December 2013

- Yves Laprie and Slim Ouni, "Articulatory Data Acquisition and Processing". Colloque Corpus et Outils en Linguistique Langue et Parole : Statuts, Usages et Mésusages, Jul 2013, Strasbourg, France.[31]

- Anne Bonneau, "Troubles du traitement temporel du langage oral : vers des outils en recherche clinique", 23ème Congrès de la Société Française de Neurologie Pédiatrique [30]

- Demonstration of VisArtico software at Interspeech 2013 (S. Ouni)

9.2. Teaching - supervision - juries

9.2.1. Teaching

List below is not exhaustive.

PhD

A. Piquard-Kipffer, Language acquisition and language pathology, 25h, Sorbonne Paris Cité University -EHESP, France

Master

K. Smaïli, Master research for ERASMUS MUNDUS LCT, Statistical language modeling for speech recognition and machine translation, Course done in English

K. Smaïli, Master for students from Luxembourg, Business Intelligence

D. Langlois, courses on "vigilance juridique" for teachers at primary school in the scope of using electronic resources (25HTED), ESPE of Academy Nancy-Metz, University of Lorraine, France

D. Langlois and V. Colotte, "Introduction to Speech Analysis and Recognition" (35HTED), University of Lorraine, France

O. Mella, Computer Networking (60HETD), M1, University of Lorraine, France

O. Mella, Project and internship supervision in Networking Engineering (18HETD), M2, University of Lorraine, France

A. Piquard-Kipffer, Language acquisition and language pathology, 200h, M1, M2, University of Lorraine, Blaise Pascal University, Paris 6 University, France

School of engineers

V. Colotte, XML (35HETD), Telecom Nancy, France

Licence

D. Langlois, Algorithmic, C Language (60HETD), Complexity (15HTED), Miage of Nancy, University of Lorraine, France

V. Colotte, C2i - Certificat Informatique et Internet (50HETD), System (80HETP), University of Lorraine, France

A. Piquard-Kipffer, Psycholinguistics, 30h, L3, University of Lorraine, France

O. Mella Networks and Network Programming(30HETD), L3, University of Lorraine, France

O. Mella From Chip to Internet (Introduction about Information Technology) (60 HETD), L1, University of Lorraine, France

I. Illina, Java Programming, 110h, L1, University of Lorraine, France

I. Illina, Graphical Interface, 30h, L1, University of Lorraine, France

I. Illina, Computer Operating System, 50h, L1, University of Lorraine, France

Adults

O. Mella, informatic courses for secondary school teachers (Informatique et Sciences du Numérique courses) (35HTED), ESPE of Academy Nancy-Metz, University of Lorraine, France

D. Langlois, informatic courses for secondary school teachers (Informatique et Sciences du Numérique courses) (100HTED), ESPE of Academy Nancy-Metz, University of Lorraine, France

Other

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

9.2.2. Supervision

HdR : Chiraz Latiri, "Extraction de connaissances à partir de Textes : Méthodes et Applications", University of Lorraine, 24 June 2013.

HdR : Slim Ouni, "Multimodal Speech: from articulatory speech to audiovisual speech, University of Lorraine, 29 November 2013.

PhD : Uptala Musti, "Acoustic-Visual Speech Synthesis by Bimodal Unit Selection", University of Lorraine, 21 Feb 2013, Yves Laprie et Slim Ouni.

PhD: Gabriel Sargent, "Estimation de la structure des morceaux de musique par analyse multi-critères et contrainte de régularité", University Rennes 1, Feb 2013, Emmanuel Vincent

PhD : Imen Jemaa, Inversion acoustique articulatoire à partir de coefficients cepstraux, University of Lorraine - ENIT (Tunis), 19 February 2013, Yves Laprie et Kaïs Ouni.

PhD : Julie Busset, Inversion acoustique articulatoire à partir de coefficients cepstraux, University of Lorraine, 25 March 2013, Yves Laprie.

PhD : Fadoua Bahja, Détection du fondamental de la parole en temps réel : application aux voix pathologiques, Université Mohammed V-Agdal Faculté des Sciences Rabat Marocco, 11 July 2013, Elhassan Ibn Elhadj and Joseph Di Martino.

PhD: Alexis Benichoux, "Fonctions de coût pour l'estimation des filtres acoustiques dans les mélanges réverbérants", University Rennes 1, Oct 2013, Emmanuel Vincent

PhD in progress : Cyrine Nasri, New methods for machine translation, October 2011, K. Smaïli, C. Latiri.

PhD in progress : Othman Lachhab, Automatic speech recognition applied to pathological voices, Institut National des Postes et Télécommunications (INPT) Rabat Morocco, from November 2010, Elhassan Ibn Elhaj and Joseph Di Martino.

PhD in progress : Arseniy Gorin, Handling trajectories and speaker consistency in automatic speech recognition, October 2011, D. Jouvet.

PhD in progress : Motaz Saad, Cross-lingual concept mining, November 2011, K. Smaïli and D. Langlois.

PhD in progress : Dung Tran, Uncertainty handling for noise-robust automatic speech recogniton, December 2012, E. Vincent and D. Jouvet.

PhD in progress : Luiza Orosanu, Speech recognition for communication help for deaf or hard of hearing people, December 2012, D. Jouvet.

PhD in progress: Nathan Souviraà-Labastie, "Localisation et séparation de sources sonores pour la reconnaissance de la parole en environnement réel", University Rennes 1, from Jan 2013, Emmanuel Vincent

PhD in progress: Xabier Jaureguiberry, "Fusion et optimisation de modèles pour la séparation de sources audio", Télécom ParisTech, from Feb 2013, Emmanuel Vincent.

9.2.3. Juries

Participation in PhD thesis Jury for Souhir Gahbiche (Université de Paris-Sud, September 2013), K. Smaïli, reviewer

Participation in PhD thesis Jury for Marion Potet (Université de Grenoble, April 2013), K. Smaïli, reviewer

Participation in HDR Jury for Chiraz Latiti (University of Lorraine), June 2013, K. Smaïli, co-supervisor.

Participation in PhD thesis Jury for Penny Karanasou (Université Paris-Sud, June 2013), D. Jouvet.

Participation in PhD thesis Jury for Mohammed Bouallegue (Université Avignon et Pays du Vaucluse, December 2013), D. Jouvet, reviewer.

Participation in PhD thesis Jury for Tiraogo Abdoulaye Yves Zango (Université de Rennes, February 2013, Y. Laprie, reviewer.

Participation in PhD thesis Jury for Utpala Musti (University of Lorraine), February 2013, V. Colotte, member.

Participation in PhD thesis Jury for Julian Andrés VALDES VARGAS (Université de Grenoble), June 2013, Y. Laprie, reviewer.

Participation in PhD thesis Jury for Sebastien Le Maguer (Université de Rennes - ENSAT Lannion), July 2013, V. Colotte, member.

Participation in PhD thesis Jury for Amel Benamrane (Université de Strasbourg), December 2013, Y. Laprie, reviewer.

Participation in PhD thesis Jury for Julie Busset (University of Lorraine), March 2013, Y. Laprie, supervisor.

Participation in PhD thesis Jury for Imen Jemaa (University of Lorraine - ENIT (Tunis)), February 2013, Y. Laprie, co-supervisor.

Participation in HDR Jury for Slim Ouni (University of Lorraine), February 2013, Y. Laprie, supervisor.

Participation in PhD thesis Jury for Benoit Fuentes (Télécom ParisTech, March 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for Ricard Marxer (University Pompeu Fabra, Barcelona, September 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for Sašo Muševič (University Pompeu Fabra, Barcelona, September 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for François Rigaud (Télécom ParisTech, December 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for Charles Fox (Télécom ParisTech, December 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for Alban Portello (University of Toulouse, December 2013), E. Vincent, reviewer

Participation in PhD thesis Jury for Stanislaw Gorlow (University Bordeaux 1, December 2013), E. Vincent, reviewer

9.2.4. Participation to external committees

Member of a Selection Committee of Le Mans (Université of Maine), LIUM (Laboratoire d'Informatique de l'Université du Maine), D. Langlois

Member of a Selection Committee of University of Lorraine (Ecole des Mines), LORIA, Y. Laprie

Titular member of the National Council of Universities (CNU section 61), E. Vincent

Member of a Visiting AERES Committee (LIMSI), Y. Laprie

9.2.5. Participation to local committees

Titular member of the Comité de Centre Inria, E. Vincent

Member of the Commission de Développement Technologique, A. Bonneau

Member of the Commission développement durable, D. Fohr

Member of Commission de médiation, I. Illina

Member of bureau of Ecole doctorale, I. Illina

Elected member of the Conseil du Pôle Scientifique AM2I of University of Lorraine, Y. Laprie

Elected member of the Conseil de secteur MIAE of University of Lorraine, V. Colotte

Elected member of the Conseil de Laboratoire (LORIA), S. Ouni

Appointed member of the Conseil de Laboratoire (LORIA), Y. Laprie

President of the local "Comité des Utilisateurs des Moyens Informatiques" (Inria NGE), D. Fohr

9.3. Popularization

Demonstration (of audio processing and source separation) to high school students at Inria Nancy in March 2013 (E. Vincent).

Demonstration to students of Mines Nancy at Inria Nancy in December 2013 (S. Ouni).

Participation in the Renaissance festival in Nancy in June 2013 (E. Vincent, D. Fohr, Y. Salaün, Y. Laprie, J. di Martino) Demonstrations of automatic speech recognition, speech analysis, source separation, articulatory modeling and voice conversion were presented.

Participation in the 11th Rencontres européennes CNRS Jeunes "Sciences et Citoyens" in Pont-à-Mousson in November 2013 (E. Vincent).

Participation in the Forum Sciences Cognitives, presentation to students in Cognitive Sciences at the University of Lorraine, in November 2013 (S. Ouni) .

SÉMAGRAMME Project-Team

8. Dissemination

8.1. Scientific Animation

- Maxime Amblard:
    - coordinator of the SLAM project (MSH-Lorraine - PEPS HuMaIn),
    - organizer and chair of the workshop *(In)Cohérence du discours* http://webloria.loria.fr/~amblard/SLAM/index.php?n=Main.In-coh%E9rence13,
    - member (elected) of the "conseil d'UFR" of the UFR mathematics and computer science, Université de Lorraine,
    - membre (elected) of the "conseil de laboratoire" - Loria,
    - member (elected) of the "conseil scientifique" of the Université de Lorraine,
    - member of the CA of the french scientific association for natural language processing : ATALA,
    - member of the "comité de sélection" McF 0542 Loria - Université de Lorraine,
    - member of the scientific committee of conference. *Traitement Automatique des Langues Naturelles (TALN) 2013*.
- 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 (CNRL-NCNL, Belgium).
- Karën Fort:
    - coordinator for the inter-annotator agreement working group, including researchers from LIMSI (Orsay), LNE (Trappes), GREYC (Caen),
    - co-writer of the Ethics and Big Data Charter http://wiki.ethique-big-data.org,
    - expert for the CNRS linguistic federations (TUL and ILF) and DGLFLF (Délégation Générale à la Langue Française et aux Langues de France) concerning the digitalization and archiving process for oral corpora, under the supervision of B. Habert (ENS of Lyon): interviews of the participants, analysis of the process and audit report,
    - member of the CA of the french scientific association for natural language processing : ATALA,
    - member of the scientific committee of the conferences *Traitement Automatique des Langues Naturelles (TALN) 2013*, *Linguistic Annotation Workshop (LAW) 2013*, *International Conference on Software Language Engineering (SLE 2013)*,
    - reviewer for the journal *Language and Linguistics Compass*,
    - Subreviewer for the conference *CICLing 2013*.
- Bruno Guillaume:
    - head of the department "Knowledge & Language management" of the LORIA laboratory (since Sep 2013),
    - member (elected) of the "pôle scientifique" AM2I of Université de Lorraine,
    - member of the COMIPERS Inria Nancy Grand-Est.
- Guy Perrier:

    –   member of the editorial board of the journal *Traitement Automatique des Langues*,

    –   member of the scientific committee of the conference *Traitement Automatique de Langues Naturelles (TALN) 2013*,

    –   member of the program committee of the conference PolTAL 2014, which will be held in Warsaw, Poland.

- Sylvain Pogodalla:

    –   member of the editorial board of the journal Traitement Automatique des Langues,

    –   coordinator of the POLYMNIE ANR Project.

    –   local coordinator of the Erasmus Mundus Master program Language and Communication Technologies for the Université de Lorraine,

    –   member of the program committee of conference *Journées francophones des langages applicatifs (JFLA) 2014*,

    –   member of the scientific committee of conference *Traitement Automatique des Langues Naturelles (TALN) 2013*,

    –   member of the Inria Nancy research scientist (CR2) hiring committee,

    –   commentator of a paper at the Tsinghua Logic Conference, Beijing, 14-16 October 2013. It has been published in [17].

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Licence : Maxime Amblard, *Formalismes de représentation et raisonnement* 20h, L3, Université de Lorraine, France

Licence : Maxime Amblard, *Algorithmique Avancée* 50h, L2, Université de Lorraine, France

Licence : Maxime Amblard, *Introduction au Traitement Automatique des Langues* 20h, L2, Université de Lorraine, France

Master : Philippe de Groote, *Logique formelle*, 50h, M2, Université de Lorraine, France.

Master : Philippe de Groote, *Structures Informatiques et Logiques pour la Modélisation Linguistique* , 18h, M2, MPRI, France.

Licence : Karën Fort, *Introduction à l'informatique*, 65h, L3, Université de Lorraine, France

Licence : Karën Fort, *Séminaire informatique et Internet*, 12h, L3, Université de Lorraine, France

Master : Karën Fort, *E-business*, 30h, M1, Université de Lorraine, France

Master : Karën Fort, *Génie logiciel*, 14h, M1, Université de Lorraine, France

Master : Karën Fort, *UML*, 20h, M1, Université de Lorraine, France

Master : Karën Fort, *Pépites algorithmiques*, 10h, M1, Université de Lorraine, France

Master : Bruno Guillaume, *Linguistic Resources and NLP Toolchain*, 30h, M2, Université de Lorraine, France

Licence : Guy Perrier, *Outils conceptuels*, 24h, L3, Université de Lorraine, France

Master: Guy Perrier, *Initiation au TAL*, 30h, M1, Université de Lorraine, France

Master: Guy Perrier, *Programmation pour le TAL*, 30h, M1, Université de Lorraine, France

Master: Guy Perrier, *Formal Languages*, 30h, M2, Université de Lorraine, France

Licence : Sylvain Pogodalla, Informatique, 20h, L1, Université de Lorraine (Mines de Nancy)

Master : Sylvain Pogodalla, *Formalisms of Computational Linguistics*, 25h, M2, Université de Lorraine, France

8.2.2. Supervision

PhD: Florent Pompigne, *Modélisation logique de la langue et Grammaires Catégorielles Abstraites*, Université de Lorraine, Dec. 11 2013

PhD in progress: Aleksandre Maskharashvili, *Generation and Discourse with Abstract Categorial Grammars*, since November 2012, Philippe de Groote and Sylvain Pogodalla.

PhD in progress: Sai Qian, *Structure of variable's accessibility for natural language semantics*, since september 2009, Philippe de Groote and Maxime Amblard

PhD in progress: Jiri Marsik, *Modeling Discourse in a Dynamics framework : formal integration and evaluation*, since september 2013, Philippe de Groote and Maxime Amblard

8.2.3. Juries

- Philippe de Groote and Sylvain Pogodalla were member of the PhD committee of Florent Pompigne, *Modélisation logique de la langue et Grammaires Catégorielles Abstraites*, Dec. 11 2013, Université de Lorraine.

- Guy Perrier was president of the PhD committee of Laura Perez, *Natural Generation for Language Learning*, Université de Lorraine, April 19 2013

8.3. Popularization

- Maxime Amblard is member of editorial board od interstices)i(, a french virtual revue of popularization for computer science : http://interstices.info.

- Maxime Amblard published an article which summarizes the main questions of natural language processing for)i(: https://interstices.info/jcms/ni_74169/real-humans-des-machines-qui-parlent-comme-des-hommes-ou-presque.

- Maxime Amblard was organizer of the exhibition *Proj'SC*, about master student's works for the University library, January 2013.

COPRIN Project-Team

9. Dissemination

9.1. Scientific Animation

9.1.1. International activities

- D. Daney has presented a paper in Computational Kinematic 2013, Barcelona, ICRA 2013 Karlsruhe and IROS 2013, Tokyo.
- D. Daney has organized and has been a member program committee of IROS 2013 workshop on Assistance and Service Robotics in a Human Environment
- 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 Behavorial Robotics. He was also a board member of the 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.
- Y. Papegay is a permanent member of the International Steering Committee of the International Mathematica Symposium conferences serie.

9.1.2. National activities

- Laurent Blanchet and Rémy Ramadour organized the JJCR (Journée des Jeunes Chercheurs en Robotique) in October 2013, and attended the JNRR (Journées Nationales de la Recherche en Robotique) in October 2013.
- D. Daney is a member of the scientific committee of the CNR SDA (Centre National de Référence Santé à Domicile et Autonomie) and of the evaluation committee of the ANR TecSan.
- D. Daney has presented the large scale initiative action PAL to JNRR 0213, Journée Nationale de la Recherche en Robotique, Annecy, to Journée Scientifique de Inria, Rennes and to the 2nd Workshop of Centre Expertise National en Robotique, Evry.
- J-P. Merlet is a member of the scientific committee of the CNRS GDR robotique

9.1.3. Inria activities

- K. Bakal is chair of the PhD students association of Inria Sophia
- D. Daney is coordinator of the Large Scale Initiative Personally Assisting Living (PAL)
- J-P. Merlet is a member of the "Bureau du Comité des Projets" of the Sophia-Antipolis Inria center.
- O. Pourtallier is a member of the CSD (doctoral students monitoring), and is responsible of the NICE committee (long term invited scientists and post-doctoral student selection).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence :D. Daney gave a lecture on industrial control systems (L3), ITII, Polytech Nice (48h ETP).

Master : D. Daney gave a lecture on medical robotics, Master of Bio-Medical (M2), Univ. Nice Sophia Antipolis (22h ETP)

Master : O. Pourtallier lectured 6 hours on game theory to Master OSE (M2), at École des Mines de Paris, Sophia Antipolis, France

9.2.2. Supervision

PhD : J. Alexandre dit Sandretto, Calibration of large parallel robots, 2013, supervisors: D. Daney, G. Trombettoni

PhD :T. Gayral, Calibration of parallel telescope, 2013, supervisors: D. Daney, J-P. Merlet

PhD in progress :K. Bakal, Indices biomécaniques globaux de capacité de génération de forces, supervisor: P. Gorce (Handibio), J-P. Merlet

PhD in progress :A. Berti, Analysis of cable-driven parallel robbots, 2012-2015, supervisor: M. Carricato (U. Bologna), J-P. Merlet supervisor: P. Gorce (Handibio), J-P. Merlet

PhD in progress :L. Blanchet, Design of large scale wire-driven parallel robots, 2012-2016, supervisor: J-P. Merlet supervisors: J-P. Merlet

PhD in progress :H. Lamine, Analysis of cable-driven parallel robbots, 2013-2016, supervisor: L. Romdhane (ENI Sousse), J-P. Merlet

PhD in progress : R. Ramadour, Manipulation for assistance, 2011-2014, supervisors: F. Chaumette, J-P. Merlet

9.2.3. Juries

- David Daney has participated in in the following thesis defense committees : Jorgé Alberto Rios Martinez, January 8, University of Grenoble, France, Julien Alexandre Dit Sandretto, September 11, University of Nice, France, Thibault Gayral, November 29, University of Nice, France

- J-P. Merlet has been the member of the jury of 5 PhD defense and of one HdR

9.3. Popularization

- A short breve entitled "How Much for My Ton of CO2 ?" coauthored by Mireille Bossy (Inria TOSCA) , Nadia Maizi (CMA ENSMP) and Odile Pourtallier was published on the daily blog of MPE2013 (Mathematics for Planet Earth 2013). http://mpe2013.org/2013/07/04/how-much-for-my-ton-of-co2/

- we extensively us the `MARIONET-SCHOOL` robots for pedagogy and teaching at all level [13]. It has been exhibited at the BAUMA fair (Munich) by german colleagues, at INNOROBO (Lyon), at the JNRR (Annecy) and during the APMEP (association of mathematics professors) workshop (Marseille)

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<h1 style="text-align:center;color:red;">IMARA Project-Team</h1>

9. Dissemination

9.1. Scientific Animation

- Guy Fayolle is
    - 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.
    - Associate editor of the journal *Markov Processes and Related Fields*,
    - Regular reviewer for some journals of high repute (PTRF, MPRF, QUESTA, IEEE-IT, JSP), and also for the *AMS Mathematical Reviews*.
    - Member of the working group IFIP WG 7.3.
    - Program committee member of the regular *Int. Symposium on Computer and Information Sciences*, held in Paris at IHP (28-29 oct. 2013). The chairman-organizer is E. Gelenbe (Imperial College, UK).

    He gave two invited talks :
    - *Séminaire de Probabilités* of the LAGA Laboratory (Univ. Paris 13, 23 may 2013) to speak on *Random walks in the quarter Plane: analytic and probabilistic aspects*.
    - *Séminaire du Groupe de travail en Probabilités du MAP5, Univ. Paris 5*, where he presented the paper [11].

    He was invited to attend the follow-up meeting of the Workshop Programme *Modern probabilistic techniques for design and analysis of stochastic systems and networks*, held at the *Isaac Newton Institute* (Cambridge Univ. UK), 12-16 aug. 2013. He also chaired a session at the *Rencontres de Probabilités*, 9-10 sept. 2013, Rouen University.

- Jean-Marc Lasgouttes has been reviewer for the European Journal on Operation Research (EJOR) and the IEEE Transactions on Intelligent Transportation Systems.

- Philippe Morignot

    has been member of the steering committee of the French association for Artificial Intelligence (AFIA). He is Editor-in-Chief of the newsletter of this association. He has been session chair of the session entitled "Human and Hydrologic applications" at the IASTED AIA'13 conference.

- Fawzi Nashashibi is:
    - Scientific advisor at the *Robotics Laboratory of Mines ParisTech*.
    - Supervisor of 1 PhD thesis at Mines ParisTech in 2013: Miss Anne-Sophie Puthon
    - supervisor of 4 PhD thesis at Inria: B. Lefaudeux, H. Li, G. Tréhard, P. Merdrignac.
    - Associate editor of the journal *Traitement du signal*,
    - Associate editor and reviewer of major conferences in ITS and Robotics (IEEE IV, IEEE, ITSC, IEEE ICRA, IEEE ICARCV, IEEE ICVES,...)
    - Regular reviewer for some journals of high repute (Transportation Research Part C, IJRR, IJVAS, IEEE Transactions on Instrumentation and Measurement, IEEE Robotics and Automation Magazine, IEEE Transactions on ITS, IEEE TVT,...).

- Member of the European working group on Automation of the iMobility Forum.
- Member of the International Committee on Vehicle Highway Automation (AHB30)
- Member of the Technical Program Committee of the WUSPE Workshop on in Kumamoto (Japan).

Fawzi Nashashibi was co-organizer of the ict-PAMM Workshop on "*Mobility Assistance and Service Robotics*" held in Kumamoto (Japan) on November 9th, 2013.

Fawzi Nashashibi was an invited keynote speaker at the following events:

- ITSWC'2013 (Tokyo, Japan): Executive session "*ES01: Autonomous Vehicles - the Path to Implementations*", at the International 20th ITS World Congress, Tokyo (Japan).
- ITS Dublin: presentation at the session "*Towards Automation of Vehicles and Roads in Europe*" entitled "*Design of fully automated vehicle transport system in urban settings and related Requirements for fully automated urban vehicles*".
- WUSPE'2013 (Hanoi, Vietnam), Sept. 2013. International workshop on Wireless Communications and User centered Services in Pervasive Environments 2013. Presentation on "*Cooperative wireless communications for road users*" at the International Research Institute MICA of the HANOI UNIVERSITY of SCIENCE and TECHNOLOGY.
- AHB030 TRB Committee: a presentation at the Vehicle-Highway Automation session entitled "*Current advancements in urban mobility: the CityMobil use-case.*".
- eu-Robotics Workshop: presentation about the results of the EU project PICAV.
- Intech seminar: presentation at Inria Rhône-Alpes about the "Technical lessons learned from the urban mobility demonstration in La Rochelle" (joint presentation with M. Matthieu Graindorge from the City of La Rochelle), Oct. 24th, Grenoble.

Fawzi Nashashibi participated to the following round tables:

- ITS Dublin: participation in the International round table on "*ITS Standardization towards deployment* ".
- National Assembly / Sénat OPECST: participation to the national roundtable organized by the OFFICE PARLEMENTAIRE D'ÉVALUATION DES CHOIX SCIENTIFIQUES ET TECHNOLOGIQUES on the "New serene and sustainable mobility: designing ecological vehicles".
- Intech: roundtable about legal issues and deployment strategies for vehicle automation. Oct. 24th, Grenoble.

- Joshué Pérez Rastelli
  - Guest-Editor of IEEE Intelligent Transportation Systems Magazine (special issue of ELECTRO-MOBILITY).
  - Associate editor of IEEE Intelligent Vehicles Symposium 2013, Gold Coast, Australia.
  - Session Chairs of Autonomous Marine Vehicles, 2013 IFAC Intelligent Autonomous Vehicles Symposium.
  - Reviewer in a number of international journals: ROBOTICA, IEEE Transactions on Vehicular Technology, Journal of the Franklin Institute, IEEE Transaction on Intelligent Transportation Systems, Journal of Control, IEEE Robotics and Automation Magazine and International Journal of Electrical Power and Energy Systems (ElSevier).
  - Reviewer in a number of international conferences including IEEE Intelligent Vehicles 2013, IEEE International Conference on Vehicular Electronics and Safety 2013, IEEE Intelligent Transportation Systems 2013, ICRA 2013, among others.
  - Responsible of the PAL Inria (Personally Assisted Living) at IMARA team.
  - Séminaire des doctorants (April 2013, Inria Rocquencourt) *Control Architecture for autonomous vehicles in urban environments*.

- Evangeline Pollard

  is a reviewer for several international journals and conferences: 15th IEEE Intelligent Transportation Systems Conference, International Conference on Intelligent Robots and Systems, IEEE Intelligent Vehicles Symposium, IEEE Transactions on Vehicular Technology (TVT), IEEE Transactions on Aerospace and Electronics Systems (AES), Journal of Zhejiang University Science C (Computers & Electronics).

- Oyunchimeg Shagdar

  is an associate editor of Wiley International Journal of Communication Systems and a technical program committee of the IEEE Vehicular Technology Conference (VTC 2014) and the IARIA International Conference on Emerging Network Intelligence (Emerging 2013). She is a reviewer of a number of international journals and conferences, including IEEE Communications Magazine, IEEE Communications Letter, IEICE Transactions on Communications, IEEE Vehicular Technology Conference (VTC), IEEE International Conference on Communications (ICC), and Intelligent Vehicle Symposium. She was a keynote speaker at the workshops "Journée National Communications dans le Transport 2013", in June 2013, in Nevers, France and "Wireless Communications and User Centric Services in Pervasive Environments 2013", in September 2013, in Hanoi, Vietnam

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Jean-Marc Lasgouttes

> Master: "Analyse de données", 59.5h, second year of Magistère de Finance (M1), University Paris 1 Panthéon Sorbonne, France

Victorin Martin

> Licence: "Statistiques", 9h, first year of Ecole Centrale Paris (L3) Châtenay-Malabry, France

Philippe Morignot

> Master: "Constraint programming", 15h, M2, Epita (Le Kremlin-Bicêtre), France
> Master: "Linear programming", 15h, M2, Epita (Le Kremlin-Bicêtre), France
> Master: "Rule-based systems", 15h, M2, Epita (Le Kremlin-Bicêtre), France
> Master: "Task planning", 15h, M2, Epita (Le Kremlin-Bicêtre), France

Fawzi Nashashibi

> Licence: "Programmation avancée", 84h, L1, Université Paris-8 Saint-Denis, France

> Master: "Programmation C++/OpenGL", 16h, 2nd year (MAREVA), Mines ParisTech, France

> Master: "Synthèse d'images", 12h, M2, INT Télécom SudParis.

Joshué Pérez Rastelli

> Master: "Digital environment and road -ITS applications- (Voie Numérique)", 20h, M2, François Rabelais University, Tours, France
> Master: "Systèmes embarqués (embedded systems)", 22,5h, M2, Leonard Da Vinci University - l'ESILV-, La Défense, France

Guillaume Tréhard

> Master: "C++ programming language", M1, 20h, Paris 8 University, France
> DUT Génie Electrique et Informatique Industrielle: "C++ programming language", L1, 20h, IUT Chartres, France

9.2.2. Supervision

PhD in progress: Mohammad Abualhoul, "Visible Light and Radio Communications for automated driving" , from September 01, 2013, supervisor: Fawzi Nashashibi, co-supervisor: Oyunchimeg Shagdar

PhD in progress: Ines Ben Jemaa, "Communications and Management Control for Cooperative Vehicular Systems", from January 01, 2011, supervisor: Arnaud De La Fortelle, co-supervisor Paul Muhlethaler, Oyunchimeg Shagdar

PhD: Benjamin Lefaudeux, "Détection, localisation et suivi d'objets mobiles à partir d'une plate-forme de stéréovision", Mines ParisTech, defended on September 30 2013, supervisor: Fawzi Nashashibi

PhD: Victorin Martin, "Modélisation probabiliste et inférence par propagation de croyances: application au traffic routier", Mines Paristech, May 23, 2013, supervisor Arnaud De La Fortelle, co-supervisors Cyril Furtlehner and Jean-Marc Lasgouttes

PhD in progress: Pierre Merdrignac, "Development of cooperative perception and communication system for vulnerables' safety enhancement", from October 01, 2012, supervisor: Fawzi Nashashibi, co-supervisor: Oyunchimeg Shagdar, Evangeline Pollard

PhD in progress: Guillaume Tréhard, "Autonomous urban driving: dealing with intersections", from October 01, 2012, supervisor: Fawzi Nashashibi, co-supervisor: Evangeline Pollard

9.2.3. Juries

Fawzi Nashashibi was the Jury President of the following PhD thesis defense:

- Yadu PRABAKHAR. "Detection and counting of Powered Two Wheelers in traffic using a single-plane Laser Scanner". University of Normandy – INSA Rouen. Defended on: 10/10/2013.

Fawzi Nashashibi was a reviewer of the following PhD thesis defense:

- Benoit FORTIN. "Méthodes conjointes de détection et suivi basé-modèle de cibles distribuées par filtrage non-linéaire dans les données lidar à balayage". University of Littoral Côte d'Opale. Defended on: 22/11/2013.
- Maxime CAUSERET. "Peindre avec des matières dynamiques : les systèmes procéduraux pour la création et l'expérimentation artistique.". University of Paris-8 Saint-Denis. Defended on: 09/07/2013.
- Amnir HADACHI. "Travel Time Estimation using Sparsely Sampled Probe GPS data in Urban Road Networks Context". University of Normandy – INSA Rouen. Defended on: 31/01/2013.

Fawzi Nashashibi was an examiner of the following PhD thesis defense:

- Jorge GODOY. "Arquitectura de control para la conducción autónoma de vehículos en entornos urbanos y autovías". Universidad Polytecnica de Madrid – Escuela Tecnica Superior de Ingenieros Industriales. Defended on: 21/10/2013.
- Adam HOUENOU. "Calcul de trajectoires pour la préconisation de manoeuvres automobiles sur la base d'une perception multi-capteurs – Application à l'évitement de collision". Université de Technologie de Compiègne. Defended on: 09/12/2013.

9.3. Popularization

Several members of the team have participated in the exhibition Futur-en-Seine (104, Paris, June 13-16 2013) by presenting the CITRIS association and explaining videos to industry (June 13-14) and public (June 15-16).

Guillaume Tréhard supervised three students from the Lycée Henri Bergson, Angers for their TIPE (TIPE, travaux d'initiative personnelle encadrés) "Assistance au freinage d'urgence par contrôle moteur d'un véhicule électrique".

Jean-Marc Lasgouttes has presented "some solvable models for road traffic" at the *demi-heure de science* of the Paris–Rocquencourt Inria research center.

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 April 2014.

- 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. This issue will be published in March 2014.

- A. Spalanzani co-organised a workshop on Assistance and Service robotics in a human environment during IROS'13, Tokyo, Japan.

- A. Spalanzani co-organised a workshop on Wireless Communications and User centered Services in Pervasive Environments 2013, Hanoi, Vietnam, in the scope of Saisons croisées France-Vietnam.

- A. Spalanzani was associate editor of the Ro-Man 2013 conference.

- C. Laugier co-organized (with Ph. Martinet, U. Nunes, and C. Stiller) the 5th Workshop on "Planning, Perception and Navigation for Intelligent Vehicles" at the IEEE/RSJ IROS 2013 conference, Tokyo, November 2013.

- C. Laugier was co-chair (with Prof. Nobuki Murayama) of the workshop on ICT-PAMM, Kumamoto (Japan), Nov. 2013.

- C. Laugier was a member of the International Program Committee of the IEEE/RSJ IROS 2013 conference. He was also an Associate Editor for IROS 2013.

- C. Laugier was an Associate Editor for the IEEE ICRA 2013 conference.

- C. Laugier, A. Spalanzani, P.B. Wieber co-organized (with J. Troccaz from TIM-C and N. Simeon from LAAS) the 9th JNRR (French "Journée Nationale de la Recherche en Robotique ") in Annecy (France), 15-18 October 2013.

- C. Laugier and M. Perrollaz co-organized with Philippe Broun and the Inria In'Tech team in Grenoble, the in'Tech Seminar on "Perception embarquée pour les véhicules de demain", Inria Grenoble Rhône-Alpes, October 24th 2013.

- C. Laugier was the scientific coordinator for the Inria Robotics Evaluation Seminar, March 2013.

- 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.

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.

- C. Laugier and A. Spalanzani have given a tutorial on "Autonomous Robotics" at the ISIE 2013 Conference, Taipei, May 2013.

- Master CNAM: "Basic technologies for autonomous Robotics", C. Laugier, CNAM, France.

- Doctorat (école d'été): "autonomous Robotics", C. Laugier, 6h, SSIR'12, Ensenada, June 2012, Mexico.

- Ecole d'Ingénieur : "Programmation structurée en C", M. Perrollaz, 36h, L3, Phelma, Grenoble-INP, France.

8.2.2. Supervision

PhD in progress: Chiara Troiani, vision and inertial sensor fusion for 3D navigation, 2011, A. Martinelli.

PhD in progress: 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).

PhD in progress: Roxana Bersan, Decision making for Intelligent Vehicles, 2014, C. Laugier and A. Spalanzani (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 Julien Moras, UTC Compiègne, January 17th 2013.

- C. Laugier was a reviewer and a member of the defense committee of the PhD thesis of Ana Cristina Barata Pires Lopez , University of Coimbra, March 20th 2013.

- C. Laugier and M. Perrollaz were members of the jury of the CNAM Thesis of Nicolas Vignard, CNAM / Inria Grenoble Rhône-Alpes, February 21st 2013.

FLOWERS Project-Team

9. Dissemination

9.1. Editorial Activities

9.1.1. Editorial boards

Pierre-Yves Oudeyer has been editor of IEEE CIS Newsletter on AMD, and Fabien Benureau has been associate editor.

Pierre-Yves Oudeyer has been of journals IEEE TAMD, International Journal of Social Robotics, and Frontiers in Neurorobotics.

PY Oudeyer is member of the IEEE CIS Technical Committee on Autonomous Mental Development. (Key instance for the organization of the IEEE ICDL conference series).

M. Lopes is member of the steering committee of the IEEE RAS TC on Robot Learning.

D. Filliat has been associate editor for the IROS 2013 conference.

9.1.2. PC committees and reviewing

- PY Oudeyer has been reviewer for journals (Proceedings of IEEE, Topics in Cognitive Science, Frontiers in Psychology,), member of conference program committees (Humanoids 2013, ICDL-Epirob 2013, IROS 2013, ICRA 2013), and reviewer and expert for several European projects of the ICT Program.

- D Filliat has been member of the evaluation committee for the ANR Apprentissages program, member of the program committee for the REACTS workshop, reviewer for the Autonomous Robots journal and reviewer for conferences (ECMR,ICRA,IROS,IV).

- Jonathan Grizou has been reviewer for ICDL-Epirob 2013 and Robotica 2013 conferences.

- Clément Moulin-Frier has been reviewer for the ICDL-Epirob 2013 conference and the IEEE Transactions on Autonomous Mental Development journal.

- Alexander Gepperth has been reviewer for IROS 2013, ITSC 2013, IJCNN 2013, for the journals Cognitive Computation, Transactions on Intelligent Transportation systems, Neuroco;puting, Neural Networks and Neural Processing Letters. He has been program committe member for IJCNN 2013.

- Freek Stulp was reviewer for journals (IEEE Transactions on Robotics, Autonomous Robots, IEEE Transactions on Autonomous Mental Development, Journal of Intelligent and Robotic Systems), conferences (International Joint Conference on Neural Networks (IJCNN), IEEE International Conference on Intelligent Robots and Systems (IROS), IEEE International Conference on Robotics and Automation (ICRA), IEEE Humanoids), and member of the program committee of ICRA.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

License: Introduction à Matlab, 21 heures. L3 - ENSTA ParisTech (Alexander Gepperth)

License: Traitement numérique du signal , 21 heures. L3 - ENSTA ParisTech (Alexander Gepperth)

Master: Apprentissage Autonomme, 6 heurs. M2, ENSEIRB - Bordeaux (Pierre-Yves Oudeyer).

Master: Apprentissage Autonomme, 6 heurs. M2, ENSEIRB - Bordeaux (Manuel Lopes).

Master: Robotique de Compagnie, 6 heurs. M2, ENSTA - Paris Tech (Manuel Lopes).

Master: Robotique Mobile, 24 heures. M2, ENSTA - ParisTech (David Filliat).

Master: Vision pour la robotique, 12 heures. M2, University Pierre et Marie Curie (David Filliat).

License: Introduction to Matlab, 21 heures. L3, ENSTA - ParisTech (David Filliat).

Licence 2: Graphe, Langage, Cryptologie, 21 heures. Pole Universitaire Francais de Ho Chi Minh Ville

Master: Option Robotique, Projet Robot Autonome, 32 heures. ENSEIRB, Bordeaux, France.

Licence: Mathématique, 20 heures, niveau (L1), Université de Bordeaux (Olivier Mangin)

Licence: Infomatique, Introduction à la robotique, 30 heures, niveau (L3), Université de Bordeaux (Olivier Mangin et Fabien Bénureau)

9.2.2. Supervision

PhD finished: Mai Nguyen, Bootstrapping Intrinsically Motivated Learning with Human Demonstration, defended nov. 2013 (superv. Pierre-Yves Oudeyer).

PhD finished: Thomas Cederborg, A unified view of context-dependant skill learning and language acquisition, defended dec. 2013 (superv. Pierre-Yves Oudeyer).

PhD finished: Natalia Lyubova, A developmental approach to perception for a humanoid robot [23], defended october 30th, 2013 (superv. David Filliat).

PhD in progress: Louis-Charles Caron, Developmental learning in multimodal sensory-motor loops, started january 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: Matthieu Lapeyre, Developmental constraints for biped humanoid walking, started oct. 2010 (superv. Pierre-Yves Oudeyer and Olivier Ly).

PhD in progress: Fabien Benureau, Cumulative, hierarchical and intrinsically motivated learning of robot skills, started oct. 2010 (superv. Pierre-Yves Oudeyer).

PhD in progress: Jonathan Grizou, Fluid simultaneous learning of task and feedback models, started oct. 2011 (superv. Manuel Lopes and Pierre-Yves Oudeyer).

PhD in progress: Olivier Mangin, Learning of sensorimotor primitives with Non-Negative Matrix Factorization, started oct. 2010 (superv. Pierre-Yves Oudeyer).

PhD in progress: Ievgen Perederieiev, Adaptive task execution for implicit human-robot coordination, started oct. 2012 (superv. Manuel Lopes).

PhD in progress: Thibaut Munzer, Learning from Instruction, started oct. 2013 (superv. Manuel Lopes).

PhD in progress: Yuxin Chen, Interactive learning of objects and names on a humanoid robot, started oct. 2013 (superv. David Filliat).

9.2.3. Juries

Edouard Klein (Manuel Lopes, 2013, examinateur) Contributions à l'apprentissage par renforcement inverse, supervised by Yann Guermeur and Matthieu Geist, Université de Lorraine, France

Pedro Sequeira (Manuel Lopes, 2013, examinateur) Socio-Emotional Reward Design for Intrinsically Motivated Learning Agents, supervised by Ana Paiva and Francisco Melo, Instituto Superior Técnico, Portugal

Hemanth Korrapati (03/07/13, David Filliat, Examinateur) : Loop Closure for Topological Mapping and Navigation with Omnidirectional Images. Université Blaise Pascal - Clermont-Ferrand II, Youcef Mezouar (Dir.)

Cédric Meyer (14/06/13, David Filliat, Examinateur) : Théorie de vision dynamique et application à la robotique mobile. Université Pierre et Marie Curie, Ryad Benosman (Dir.)

Srikrishna Bhat (22/01/13, David Filliat, Rapporteur) : Visual words for pose computation. Université de Lorraine (22/01/2013), Marie-Odile Berger (Dir.)

Beata Gryzb (04/13, PY Oudeyer, Rapporteur): Grounding spatial awareness in sensorimotor representations: an interdisciplinary approach, Univ. Madrid, Spain

Xavier Hinault (01/12, PY Oudeyer, Rapporteur): Réseau de neurones récurrent pour le traitement de séquences abstraites et de structures grammaticales, avec une application aux interactions homme-robot, Univ. Lyon 1, France.

Antoine de Rengervé (12/13, PY Oudeyer, Rapporteur): Apprentissage interactif en robotique autonome : vers de nouveaux types d'IHM, Univ. Cergy Pontoise.

Michael Garcia Ortiz (7/2013, A.Gepperth, Rapporteur): Driver behavior prediction, Univ. de Bielefeld (Allemagne)

Sarra Jlassi (28/11/13, Freek Stulp, Examinateur) : Formulation et Etude des Problemes de Commande en Co-manipulation Robotique. Laboratoire des Signaux et Systemes, Supelec (Dir. Yacine Chitour)

9.3. Popularization and Outreach

9.3.1. *Popular Science Publications*

Pierre-Yves Oudeyer published a popular science book entitled "Aux sources de la parole" at Odile Jacob, http://www.pyoudeyer.com/AuxSourcesDeLaParole.htm

9.3.2. *Popular Science Radio Broadcast*

PY Oudeyer participated to several popular science radio broadcast:

France Culture (28th october 2013), La parole et l'ordinateur, Interview avec Stéphane Delogeorges, émission Continent Sciences. http://www.franceculture.fr/emission-continent-sciences-la-parole-et-l-ordinateur-2013-10-28

France Inter (27 octobre) Le langage: une auto-organisation ? Interview avec Stéphane Paoli, émission 3D, le journal. http://www.franceinter.fr/emission-3d-le-journal-ou-va-lhumanite-et-langage-une-auto-organisation

RFI (Sept. 2013) Comment s'invente le langage ? (Interview 55 mn), Emission "Autour de la question" de Caroline Lachowsky.http://www.rfi.fr/emission/20130909-1-comment-s-invente-le-langage

9.3.3. *Popular Science Talks*

Musée des Arts et Métiers (7 nov. 2013) Aux sources de la parole, Parole d'auteurs, rencontre avec PY Oudeyer animée par Daniel Fiévet (France Inter).

9.3.4. *Museum Exhibitions, Science Festivals and Public Demonstrations*

9.3.4.1. Educatec-Educatice

Kidlearn have been presented on Educatec-Educatice exhibition the 20,21 and 22 November 2013. This exhibition was held in Paris and grouped together 220 education professional and more than 12000 visitors. It was an opportunity to present Kidlearn project and create contact for potential partnership.

9.3.4.2. Cap Sciences exhibition on "Brain and Cognition"

Cap Sciences is an organization in Bordeaux to promote and to communicate about science to the public. Cap Sciences is preparing an exhibit about the brain starting in February 2013. The Flowers team will contribute to this exposition by setting up a booth to explain the complexity of the processing required for intelligent artificial systems (e.g. robots) to transform observations from the environment to actions done in this environment, such processing being done continuously by all living beings, most notably by nervous systems and brains. To explain this idea, the Flowers team is working on a game for the visitors of the exhibit: a player has to drive forward a mobile robot, specifically an iRobot Roomba, while avoiding obstacles. The difficulty for the visitor in this game is that the player is not able to watch the robot in its environment: the player has to control it using only the sensory-information displayed on a computer screen. The player wins when the robot has traveled a given distance in a straight line and in limited time without bumping into an obstacle. This exhibit will start in February 2013 and last for a year. After that, it may move to different locations. More than 100,000 visitors are expected in Cap Sciences, half of them will come from elementary schools. The data generated by the robot and the visitors will be logged and will be available for research on life long learning with robots.

9.3.4.3. NOVAQT

Poppy and Kidlearn have been presented in the NOVAQT exhibition the 5, 6 and 7 December 2013. This exhibition was held in Bordeaux and brought together a selection of 108 innovations created in the region Aquitaine. It was a chance to present our research to 3 different public: industry, education and general public. Feedbacks were very enthusiastic and we have found several potential collaborations with local actors.

9.3.4.4. Fète de la science

On october 13th, the team organised robotics demonstrations for the "Fete de la science" in ENSTA ParisTech. We demontrated physical human-robot interaction using the Meka robot, object segmentation and recognition through a Kinect camera and navigation and mapping with a Pioneer robot. Around 300 people participated in the event.

9.3.5. Education towards the younger

The team also initiated the development of educational activities in "écoles primaires" et "collèges" to have kids discover robotics and programming, as well as ran experiments in "école primaires" in Aquitaine to test novel educational software to help children learn mathematics, and developped within the KidLearn ADT project. This was achieved thanks to the arrival of Didier Roy, former math teacher in college, in the team. Our mediation of robotics activities aim primarily at students, teachers and schools. We focused on three approaches :

- A website, consisting of video presentation of researchers Flowers team, news related to robotics , questions / answers, ready activities for teachers for their students , a directory of links, videos, and pages for "robotics in schools stories " where teachers and students come to post texts, photos and videos to show what happens in robotics in their establishments. A forum is available for researchers to ask questions. We also test robotic kits to be able to provide advices on choices.

- Direct support of schools . For example, we went to Nevers in high school Follereau present what robotics is, interact with students, discuss robotic upcoming events in their school. We subsequently asked to provide technical assistance in the context of robotic operations in the school. We offer activities and we provide technical and educational advice. We move, if needed, in schools or propose meetings by videoconference .

- We formed a working group of a dozen people, most of whom are teachers in primary and secondary and special education (training for disabled adults returning to education) . This group meets regularly to discuss activities, share experiences within schools and consider a robotic curriculum from primary to the end of schooling.

We also participated in Educatec- Educatice event in Paris where education professionals told great interest in robotic activities in education. We participated in the symposium Didacstic didapro in Clermont -Ferrand, about mediation of digital sciences . We worked with cluster Aquitaine Robotics to develop a reflection on the teaching of robotics.

9.3.6. Press, TV and Web coverage

https://flowers.inria.fr/press/

LAGADIC Project-Team

9. Dissemination

9.1. Scientific Animation

- *Editorial boards of journals*
    - 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.
- *Technical program committees of conferences*
    - François Chaumette: WRV'13, ICRA'13, RSS'13, ICRA'14
    - Eric Marchand: ICRA'13, IROS'13, ISMAR'13 (area chair), RSS'13, ORASIS'13, ICRA'14, RFIA'14 (area chair)
    - Patrick Rives: RFIA'14
    - Paolo Robuffo Giordano: ICRA'13, RSS'13, IJCAI'13, ICRA'14
    - Alexandre Krupa: Orasis'13
    - Marie Babel: ACIVS'13
- *Selection committees*
    - Patrick Rives participated to the selection committees of research scientists (CR2) at Inria Nancy-Grand Est, Inria senior researchers (DR2), and Inria Starting and Advanced Research positions. .
    - François Chaumette was in the selection committee for an Assistant Professor position at the "Université Blaise Pascal" in Clermont-Ferrand. He also served in the jury for the selection of research scientists (CR2) at Inria Rhône-Alpes.
    - Eric Marchand was in the selection committee for an Assistant Professor position at INSA Rennes.
    - Alexandre Krupa was in the selection committee for an Assistant Professor position at the "Université de Montpellier 2".
- *Participation in seminars, invitation*
    - Alexandre Krupa was invited by Nassir Navab to give a talk at the Chair for Computer Aided Medical Procedures (CAMP) from the Technische Universität Münchenin in May 2013.
    - François Chaumette was invited to give a seminar at the University of Zagreb during a one-weel visit in July 2013 in the sccope of the FP7 Across Regpot project (see Section 8.3.1.2). He also gave a talk at DGA-MI in Bruz during a workshop about visual localization.
    - Paolo Robuffo Giordano was invited to give talks at I3S in Sophia-Antipolis, Inria Grenoble, Isir in Paris, Ensam in Paris in the scope of the "GdR Robotique", and University of Rome "La Sapienza". He also presented an invited talk at the IEEE/RSJ IROS Workshop on Vision-based Closed-Loop Control and Navigation of Micro Helicopters in GPS-denied Environments [28].
    - Fabien Spindler was invited to present the ViSP software at the "Journées techologiques Robotex" in Toulouse in June 2013.

- *Animation at the international level*
    - François Chaumette served as a panel member of the ERC Consolidator Grants (PE7). He also served in the 2013 IEEE RAS Fellow Nomination Committee.
    - Paolo Robuffo Giordano served as external reviewer for evaluating research proposals of the Swiss National Science Foundation (SNSF).
    - Paolo Robuffo Giordano co-organized the ICRA'13 workshop "Towards Fully Decentralized Multi-Robot Systems: Hardware, Software and Integratio", Karlsruhe, Germany and the "Sixth Workshop on Human-Friendly Robotics" at the University of Rome "La Sapienza", Italy.
- *Animation at the national level*
    - François Chaumette and Patrick Rives are members of the scientific council of the "GdR Robotique" and JNRR.
    - Eric Marchand was a member of the AERES evalation panel for U2IS lab at ENSTA Paristech.
    - Patrick Rives is a member of the Inria evaluation committee.
    - Alexandre Krupa is a member of the Inria Cost-GTAI in charge of the evaluation of the ADTs ("Actions de développments technologiques").
- *Animation at the regional and local levels*
    - Eric Marchand is in the board of the "Images et réseaux" competitivity 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") of Inria Rennes-Bretagne Atlantique.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Marie Babel:

Master INSA3: "Statistical Signal Processing", 24 hours, M2, INSA Rennes

Master INSA1: "Assembler", 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", 10 hours, M2, Ecole supérieure d'ingénieurs de Rennes

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

Paolo Robuffo Giordano

    P. 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

9.2.2.1. Ph.D.

    Ph.D.: Tao Li, "Commande d'un robot de télé-échographie par asservissement visuel échographique", Université de Rennes 1, defense in February 2013, supervised by Alexandre Krupa [10]

    Ph.D.: Antoine Petit, "3D model-based tracking of complex objects in a spatial context", Université de Rennes 1, defense in December 2013, supervised by Eric Marchand [11]

    Ph.D. in progress: Rafik Sekkal, "Features extraction and robust tracking of objects for video representation", started in October 2010, supervised by Marie Babel

    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: Bertrand Delabarre, "An information theoretic approach for navigation in robotics", started in October 2011, supervised by Eric Marchand

    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 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 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)

9.2.2.2. Internships

- Antoine Berlon, Master in computer science, Univ. de Rennes 1
- Grégoire Boizante, Master at INSA Rennes
- Baptiste Brun, Master in computer science, Univ. de Rennes 1
- Sylvain Devie, Graduate student, ENS Cachan Bretagne
- Corentin Hardy, Graduate student, ENS Cachan Bretagne
- Lucas Royer, Master at INSA Rennes

9.2.3. Juries

- François Chaumette: Hugues Sert (Ph.D., reviewer, Inria Lille), Sounkalo Dembele (HdR, reviewer, Femto, Besançon), Olivier Stasse (HdR, Laas, Toulouse), Nicolas Mansard (HdR, Laas, Toulouse), Fabien Expert (Ph.D, ISM, Marseille)
- Patrick Rives: Hugues Sert (Ph.D., Inria Lille), Benjamin Lefaudeux (Ph.D., Inria Rocquencourt)
- Eric Marchand: Cyril Roussillon (Ph.D., reviewer, LAAS, Toulouse), Joao Paulo Silva do Monte Lima (Ph.D., reviewer, Federal University of Penambuco, Recife, Brazil), Tomy Tikkaälä (Ph.D., reviewer, I3S, Sophia-Antipolis), Jeff Delaune (Ph.D., reviewer, Onera, Toulouse), Mohamed Tamaazousti (Ph.D., reviewer, CEA, Fontenay-aux-Roses), Glauco Garcia Scandaroli (Ph.D., ISIR, Paris), Ricardo Marquès (Ph.D, president, Rennes), Pascal Lino (Ph.D, president, Rennes).
- Alexandre Krupa: Naresh Marturi (Ph.D., reviewer, Femto, Besançon)

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, the navigation of a mobile robot in urban environments, vision-based detection and tracking for space navigation in a rendezvous context, the semi-autonomous navigation of a wheelchair, and augmented reality applications.
- Fabien Spindler is a member of the editorial board of "Ouest Inria", the internal journal at Inria Rennes-Bretagne Atlantique.
- Alexandre Krupa co-authored an article titled "Au coeur des hommes" in the journal DocSciences that is intended for general public. This article is about medical robotics guided from images [27]. An article entitled "L'asservissement visuel au service de la robotique médicale" has also been published in May 2013 in the "Emergences" general-public magazine of Inria Rennes-Bretagne Atlantique http://emergences.inria.fr/lettres2013/newsletternn26/l26asservissementvisuel.

- Paolo Robuffo Giordano participated to the "Café des sciences Drones" at the "Espace des sciences" in Rennes in November 2013 to illustrate his activities on quadrotor UAVs to the general public.

- Marie Babel and François Chaumette participated to the "Science Festival" in October 2013 with a debate after the projection of the film "Vivre avec des robots" in Brécé near Rennes.

- Marie Babel and François Pasteau gave a 1-hour lecture on "Assistance to the mobility: the place of the robotics" on December 13th, during the "Conf'Lunch" monthly seminar organised by Inria in Rennes. Furthermore, two articles related to wheelchair navigation have been published in general-public magazines, namely "Des yeux pour les fauteuils roulants" in "Emergences" in July 2013(http://emergences.inria.fr/lettres2013/newsletter_n27/L27-FAUTEUIL) and "Un fauteuil qui a les yeux en face des roues" in "Sciences Ouest" (the magazine of the "Espace des sciences" in Rennes) in November 2013 (http://www.espace-sciences.org/sciences-ouest/314/actualite/un-fauteuil-qui-a-les-yeux-en-face-des-roues).

AYIN Team

9. Dissemination

9.1. Scientific Animation

- Ikhlef Bechar participated in "Journées Envol-Recherche EADS" in Paris on 14/02/2013.

- Aurélie Boisbunon, Seong-Gyun Jeong, and Yuliya Tarabalka attended the "Methodological Aspects of Hyperspectral Imaging" (MAHI) workshop in Nice (France) in October.

- Paula Craciun gave a seminar at ASTRIUM EADS in Toulouse, in January. She gave a seminar at the West University of Timisoara, Romania, in February. She gave a presentation at Inria in Bordeaux, in May. Also in May, she obtained a grant from the Centre for Stochastic Geometry and Advanced Bioimaging (CSGB), Denmark, to attend a summer school on "Topics on space-time modeling and inference", in Aalborg, Denmark. She presented a paper at ICIP'13 in Melbourne, Australia, in September. Paula Craciun visited Dr. Ba-Ngu Vo at Curtin University, Perth, Australia, from 20/09/2013 to 25/09/2013. She attended meetings with ASTRIUM EADS in Paris and Toulouse in December.

- Seong-Gyun Jeong attended the workshop GeoStoch'13 in Grenoble in April. He was a reviewer for the journal JVCI (Journal of Visual Communication and Image Representation).

- Zhao Liu presented a paper at EUSIPCO'13 in Marrakech, Morocco, in September, and another paper at ACPR'13 in Okinawa, Japan, in November. She gave talks to the LIRA Consortium during the LIRA workshop in Sophia Antipolis in February, and at the workshop in Berlin in May. She presented her work to CHU Nice at the hospital l'Archet 2 in May, and to Galderma R&D in Sophia Antipolis in July.

- Claudio Price presented a paper at the LARS conference in Santiago, Chile in October.

- Yuliya Tarabalka presented a paper at the IEEE IGARSS conference in Melbourne, Australia, and a paper at the BMVC conference in Bristol, UK. She also presented a paper of A. Gamal Eldin *et al*. at the SPIE Computational Imaging Conference in Burlingame, USA. In June, she presented the Ayin team and her work to students visiting Inria from SupCom-Tunis. She presented the Ayin team at the India-France Technology Summit in New Delhi, India in October. She visited and gave a seminar at the Indian Institute of Space Science and Technology in Trivandrum, India in October. She gave a seminar at the MAP5 laboratory of the University Paris Descartes in Paris in December. Yuliya Tarabalka is a co-editor of the special issue "Analysis of Remote Sensing Image Data" for the journal Remote Sensing. She was a reviewer for the journals IEEE TIP, IEEE TGRS, IEEE GRSL, IEEE Trans. on Neural Networks and Learning Systems, Computer Vision and Image Understanding, Remote Sensing, IEEE JSTARS, Journal of Applied Remote Sensing, and for the conferences GRETSI'2013, IEEE ICIP'2013, IEEE ICASSP'2013, IEEE IGARSS'2013 and OSA Imaging Systems and Applications'2013. She was a part of the program committee for the OSA Imaging Systems and Applications conference. She chaired a session at the conference IEEE IGARSS'2013.

- Ian Jermyn was a reviewer for the conferences EMMCVPR, ICIP, IDEAL; for the Journal of Mathematical Imaging and Vision; and of proposals for the UK Engineering and Physical Sciences Research Council and the Israel Science Foundation.

- Josiane Zerubia is an IEEE Fellow. She was a reference proposal reviewer for CRC Press. She was a reviewer for SFPT (Revue Française de Photogrammétrie et de Télédétection). She was a reviewer (and also a program committee member for some of these conferences) for ICASSP'13, ISBI'13, ICIP'13, and for EMMCVPR'13, MICCAI'13, TAIMA'13, SPIE-ISPRS'13 ("Image and Signal Processing for Remote Sensing"), ICPRAM'13 and GRETSI'13. She was a member of the

Image, Video and Multidimensional Signal Processing (IVMSP) Technical Committee of the IEEE Signal Processing Society until December 2013. She was a member of the Editorial Board of IJCV until March 2013. She is an Associate Editor of the collection "Foundation and Trends in Signal Processing" [http://www.nowpublishers.com/]. She is a member of the Editorial Board of the "Revue Française de Photogrammétrie et de Télédétection of SFPT". She is an Associate Editor of the electronic journal Earthzine [http://www.earthzine.org/].

Josiane Zerubia visited Astrium EADS Toulouse in January. She participated in the CNES Research and Technology day in Toulouse in February. In February, she also organized at Inria-SAM the LIRA skincare workshop. In April, she attended a dermoscopy workshop organized by CHU Nice (Faculty of Medicine), and presented the work of Ayin in dermato/cosmetology at the L'Oreal R&D center in Aulnay. She also attended the IGN Research Days in Marne la Vallee in April. She was a member of the CR2 selection committee at Inria-SAM in May. In May, she gave a talk at l'Archet 2 hospital, CHU Nice (Dept of Dermatology), a talk in Berlin at the Fraunhofer Institute during a LIRA skincare workshop, and a third talk at the international KAL'Haiti meeting organized by CNES at the Ministry of Foreign Affairs in Paris. Finally, in May she took part in a one-day meeting with EPI Alea and Astrium EADS at Inria Bordeaux. In June she presented Ayin's research in dermatology at Galderma R&D and gave a talk on Ayin's research in remote sensing at the University of Tunis El Manar. She also presented the activities of Inria-SAM and of the international Masters UBINET and BIOCOMP of UNS to Tunisian Masters students. In September, she gave an invited talk at the "Imaging in Geospatial Applications" workshop at the Institute of Mathematics and Applications (IMA) at University of Minneapolis, and presented a paper at GRETSI in Brest. In November she gave an invited talk at the Remote Sensing Days organized by the University of Bordeaux I. In December, she went to Toulouse for meetings with Astrium EADS and with CNES. In December, she also attended the annual meeting of the Astrium/Inria PhD committee organized at EADS in Suresnes.

Josiane Zerubia is a deputy of Frederic Alexandre on the Executive Committee of the LIRA Consortium (Philips, CWI, Fraunhofer, Inria). She is a member of the ORFEO group (CNES). She is a consultant for Galderma R&D in Sophia-Antipolis. She is also a member of the Program Committee of the Master 2 in Computational Biology and Biomedicine (CBB) at the University of Nice Sophia Antipolis, in charge of sponsoring.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

- Masters: Yuliya Tarabalka, Spaceborne sensors and their applications, 4.5h eq. TD (3h of lectures), Master PPMD, École Nationale des Sciences Géographiques, France.
- 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 IFI 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).

9.2.2. 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 and Pierre Del Moral.

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.

9.2.3. *Juries*

- Yuliya Tarabalka was a reviewer of one PhD thesis for the AFIA prize.
- Josiane Zerubia was a member of two PhD committees in April and October 2013. She was a reviewer of one PhD thesis at the University of Tunis El Manar in Tunisia, in July 2013.

9.3. Popularization

- Paula Craciun and Josiane Zerubia have published an article in ERCIM News'95 [19]. They have also written a blog article for MPT2013 in French [http://mpt2013.fr/les-ports-vus-du-ciel/] and MPE2013 in English [http://mpe2013.org/2013/10/29/boat-extraction-in-harbors-from-high-resolution-satellite-images/].

- Yuliya Tarabalka gave an interview to the LISA journal in January 2013 [https://lisa.sophia.inria.fr/yuliya-tarabalka-888.html]. She participated in the conference of the Young Academy of Science in Ukraine, presenting the Ayin team and her research work to the 12-16 year-old attendees of the Academy.

- Yuliya Tarabalka and Guillaume Charpiat (STARS EPI) published an article in the Earthzine journal "Exploiting Temporal Coherence for Fire Mapping from MODIS Spaceborne Observations" in September 2013 [20].

- Josiane Zerubia took part in a debate on the topic "Les TIC, une révolution pour les femmes?" organized at the SKEMA Business School in Sophia-Antipolis by three associations (Femmes & Sciences, Femmes 3000 and Telecom Valley) on November 26, 2013 (for more detail see http://www.femmesetsciences.fr/actualites/les-tic-une-revolution-pour-les-femmes-conference-debat-261113-sophia-antipolis/)

<p align="center" style="color:red">LEAR Project-Team</p>

9. Dissemination

9.1. Scientific Animation

- Conference, workshop, and summer school organization:
    - Z. Harchaoui has co-organized the workshop "Optimization and Statistical Learning" at Les Houches, January 2013.
    - Z. Harchaoui and F. Pierucci: Co-organizer of the NIPS 2013 workshop on Greedy Algorithms, Frank-Wolfe and Friends - A modern perspective. December 2013.
    - C. Schmid and Z. Harchaoui: Co-organizers of the Inria Visual Recognition and Machine Learning Summer School, Paris, July 2013. Attracted a total of 177 participants from 34 countries (49 participants from France, 57 from Europe and 71 from America, Asia, and Africa).
- Editor-in-chief:
    - C. Schmid: International Journal of Computer Vision, since 2013.
- Editorial boards:
    - K. Alahari: Guest editor for the Special Issue on "Higher Order Graphical Models in Computer Vision: Modelling, Inference and Learning" to be published in IEEE Transactions on Pattern Analysis and Machine Intelligence.
    - J. Mairal: Guest editor for the Special Issue on Sparse Coding to be published in the International Journal of Computer Vision.
    - C. Schmid: Foundations and Trends in Computer Graphics and Vision, since 2005.
    - J. Verbeek: Image and Vision Computing Journal, since 2011.
- General chair:
    - C. Schmid: CVPR '15.
- Area chair:
    - C. Schmid: CVPR 2013, ICCV 2013.
    - J. Verbeek: BMVC 2013.
- Program committees (reviewers):
    - CVPR 2013: J. Verbeek, J. Mairal, K. Alahari, H. Wang, A. Gordo, Z. Harchaoui.
    - ICCV 2013: J. Verbeek, K. Alahari, H. Wang, A. Gordo.
    - NIPS 2013: J. Verbeek, J. Mairal, K. Alahari, Z. Harchaoui.
    - ICML 2013: J. Mairal, Z. Harchaoui.
    - IJCAI 2013: J. Verbeek.
    - BMVC 2013: K. Alahari, A. Gordo.
    - AISTATS 2013: Z. Harchaoui.
- Prizes:
    - Z. Harchaoui was awarded a Fellowship from the Isaac Newton Institute for Mathematical Sciences (Cambridge University) to participate to the "Inference for Change-Point and Related Processes" program in January 2014.
    - J. Mairal received the Cor Baayen prize, which is awarded annually by ERCIM to a promising young researcher in the field of Informatics and Applied Mathematics.

– T. Mensink (former PhD student of LEAR) received the best PhD prize from AFRIF.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Doctorat: Z. Harchaoui co-organized a tutorial on "Large-Scale Visual Recognition" at CVPR, June 2013.

Doctorat: Z. Harchaoui, Tutorial on large-scale learning, 1h, Inria Visual Recognition and Machine Learning Summer School 2013, Paris, France.

Doctorat: J. Mairal, Tutorial for the IMA Short Course "Applied Statistics and Machine Learning", 3H, Minneapolis, June 2013.

Doctorat: C. Schmid, Tutorial on image search and classification, 3h, Inria Visual Recognition and Machine Learning Summer School 2013, Paris, France.

Master: M. Douze, K. Alahari, Bases de donnees multimedia, M2, ENSIMAG, France..

Master: Z. Harchaoui, Kernel-based methods for statistical machine learning, 18H, M2, Université Joseph Fourier (Grenoble University);

Master: J. Mairal and Z. Harchaoui. Statistical Learning and Applications. 16H, M2, Ecole Normale Supérieure de Lyon, France.

Master: C. Schmid, Object recognition and computer vision, 10h, M2, ENS ULM, France.

Master: C. Schmid and J. Verbeek, Machine Learning & Category Representation, 18h, M2, ENSIMAG, France.

Master: P. Weinzaepfel, "Réseaux IP", 18H TD, M1, University Joseph Fourier.

Licence: F. Pierucci, "Calculus", 75H TD, L1, University Joseph Fourier.

Licence: P. Weinzaepfel, "Introduction à UNIX et à la programmation en langage C", 33.5H TD, L1, DLST Grenoble.

Licence: P. Weinzaepfel, "Communications numériques", 12H TD, L1, Polytech Grenoble.

9.2.2. Supervision

PhD: Z. Akata, Contributions to Large-Scale Learning for Image Classification, Université de Grenoble, 06/01/2014, advisors: C. Schmid and F. Perronnin.

9.2.3. Juries

- J. Mairal, reviewer and jury member for the PhD thesis of Roberto Rigamonti, EPFL, Lausanne, December 18th, 2013.
- C. Schmid, présidente du jury concours CR2 Inria Grenoble, May 2013.
- C. Schmid, jury member of PhD committee for Nicolas Ballas, Ecole Nationale Supérieure des Mines de Paris, November 2013.
- C. Schmid, jury member of PhD committee for Wafa Bel Haj Ali, Université Nice-Sophia Antipolis, October 2013.
- C. Schmid, jury member of HDR committee for Ivan Laptev, Ecole Normale Superieure, July 2013.
- C. Schmid, jury member of PhD committee for Sandra Avila, Université Pierre et Marie Curie, June 2013.
- J. Verbeek, reviewer and jury member of PhD committee for K. Simonyan, University of Oxford, November 6 2013.

9.3. Invited presentations

- K. Alahari: Invited speaker at the Brookes Anniversary Worshop, University of Oxford, Oxford, UK, October 2013.
- K. Alahari: Invited speaker at the Maori Workshop, Ecole Polytechnique, Palaiseau, France, November 2013:
- K. Alahari: Seminar at IIIT Hyderabad, India, December 2013.
- Z. Harchaoui: Seminar at GDR Isis, Paris, October 2013.
- Z. Harchaoui: talk at ICCOPT 2013, Portugal, July 2013.
- Z. Harchaoui: Seminar at CREST-ENSAE, Paris, June 2013.
- Z. Harchaoui: invited speaker at SMAI Conference, Seignosse, May 2013.
- Z. Harchaoui: invited speaker at Optimization and big data workshop, Edinburgh, May 2013.
- Z. Harchaoui: invited speaker at IHES, Orsay, March 2013.
- J. Mairal: Invited speaker at the Maori Workshop, Ecole Polytechnique, Palaiseau, France, November 2013.
- J. Mairal: Cor Baayen award presentation at ERCIM meeting, Athens, October 2013.
- J. Mairal: Seminar at Gipsa-Lab, Grenoble, June 2013.
- J. Mairal: Seminar FREMIT, Toulouse, April 2013.
- J. Mairal: Seminar at Xerox Research Center Europe (XRCE), Grenoble, March 2013.
- F. Perucci: talk at ICCOPT 2013, Portugal, July 2013.
- C. Schmid: Seminar at MPI, Tubingen, January 2013.
- C. Schmid: CVPR area chair meeting workshop, USC, February 2013.
- C. Schmid: Seminar at UCF, Orlando, May 2013.
- C. Schmid: Seminar at WILLOW retreat, Bandol, June 2013.
- C. Schmid: Invited speaker at Second international workshop on visual analysis and geo-localizaton of large-scale imagery in conjunction with CVPR'13, June 2013.
- C. Schmid: Keynote speaker at 14th International Workshop on Image and Audio Analysis for Multimedia Interactive Services (WIAMIS), Paris, July 2013.
- C. Schmid: ICCV area chair meeting workshop, Oxford University, August 2013.
- C. Schmid: Keynote talk at The First International Workshop on Action Recognition with a Large Number of Classes, in conjunction with ICCV '13, Sydney, Australia, December 2013.
- J. Verbeek: Invited speaker at DGA workshop on Multimedia Information Processing (TIM 2013), Paris, France, July 2013.
- J. Verbeek: Seminar at Media Integration and Communication Center, University of Florence, Italy, September 2013.
- J. Verbeek: Seminar at Intelligent Systems Lab Amsterdam, University of Amsterdam, The Netherlands, October 2013.

9.4. Popularization

- C. Schmid presented the research area of visual recognition to a group of high-school teachers, Inria Grenoble, March 2013.
- A. Gaidon, Z. Harchaoui and C. Schmid published an article about activity recognition in videos in ERCIM-news 95 (October 2013).

<p align="center">**MAGRIT Project-Team**</p>

9. Dissemination

9.1. Scientific Animation

- The members of the team reviewed articles for IEEE Transactions on Vizualisation and Computer Graphics, IEEE Transactions on Pattern Analysis and Machine Intelligence, Elsevier Optics and Lasers in Engineering, Computer & Graphics, the Journal of Computer Science and Technology.

- M.-O. Berger was a member of the program committee of the following conferences: IEEE International Symposium on Mixed and Augmented Reality (ISMAR 2013), International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2013), the IEEE International Symposium on Biomedical Imaging (ISBI) 2013 and of the french conference on computer vision ORASIS 2013.

- Gilles Simon was a member of the program committee of ISMAR 2013 and Eurographics 2013.

- P.-F. Villard was a member of the program committee of MICCAI 2013 and ISBI 2013.

- E. Kerrien was a member of the program committee of MICCAI 2013.

- Members of the team are members of local management committees (Conseil de Laboratoire, Comité de Centre and Pôle Scientifique AM2i).

- Pierre-Frédéric Villard gave a seminar on "Respiration Simulation : Application in Treatment Planning and Training Simulators" for the Visualization and Medical Graphics Group of the School of Computer Science, Bangor University, UK, on the Wednesday 5 June 2013. This talk was also given for the Computer Vision And Medical Image Analysis Group of the School of Computer Science, Swansea University, UK, on the Friday 14 June 2013

- Frédéric Sur gave a talk within the GDR ISIS day dedicated to *mesure dimensionnelle*, IUT Auxerre. He also gave a talk entitled *dérivation et intégration de mesures de champ* within GDR 2519 day (Mesures de Champs et Identification en Mécanique des Solides), ENSAM Paris.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence: Graphic and haptic rendering, 30h, IUT Saint-Dié des Vosges, France

Licence: Image processing, 30h, IUT Saint-Dié des Vosges, France

Licence: 3D programming, 30h, IUT Saint-Dié des Vosges, France

Licence: Object oriented programming, 110h, IUT Saint-Dié des Vosges, France

Licence: Outils informatiques et internet, 14 h, L1, Université de Lorraine, France

Licence: Algorithmique et programmation (python), 48h, L1, Université de Lorraine, France

Licence: Introduction à la programmation objet (java); conception d'interfaces graphiques, 50 h, L2, Université de Lorraine, France

Licence: Système : synchronisation et communication de processus sous Linux, 48 h, L3, Université de Lorraine, France

Licence: Modélisation 3D, 40 h, LP, Université de Lorraine, France

Master: Perception et raisonnement, 50 h, M1, Université de Lorraine, France

ENSAN : Géométrie, 30h, 1A, École Nationale Supérieure d'Architecture de Nancy, France

Licence : Informatique graphique, 10h, L1, Université de Lorraine, France

Master: Réalite augmentée, 24 h, M2, Université de Lorraine, France

Master : Vision par ordinateur, 12h, M1, Université de Lorraine, France

Master: Reconnaissance des formes statistiques, 15 h, M2, Université de Lorraine, France

Master: Outils pour le traitement et l'analyse d'images, 21 h, 2A, École des Mines de Nancy, France

Master: Recherche opérationnelle, 59 h, École des Mines de Nancy, France

Master: Méthodes et outils pour la conception informatique, 34 h, 2A, Télécom-Nancy, Université de Lorraine, France

SUPELEC: Réalite augmentée, 3 h, 3A, SUPELEC Metz, France

DIU: Robotique chirurgicale, 1 h, CHU Nancy Univ. Hospital, France.

Primary and secondary school teacher training: 3h, Maison pour la Science de Lorraine, Nancy, France.

9.2.2. *Supervision*

PhD in progress: Ahmed Yureidini, Modélisation implicite des vaisseaux sanguins pour la simulation interactive d'actes de radiologie interventionnelle, janvier 2010, 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 et Frédéric Sur.

PhD in progress: Charlotte Delmas, Reconstruction 3D des outils chirurgicaux en radiologie interventionnelle, avril 2013, Marie-Odile Berger, Erwan Kerrien.

9.2.3. *Juries*

- Marie-Odile Berger was external reviewer of the PhD of A. Dufour, G. Gaullier and M. Tamaazousti.

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. Among other activites, he was invited to last Didapro5-DidaSTIC conference (didactics of computer science) as a panelist and was an associate researcher to a MATh.en.JEANS workshop.

- Pierre-Frédéric Villard participated to various activities in the IUT of Saint-Dié des Vosges: open days, science festival, science café, Film screening following by a debate and computer science presentations to schoolgirls to promote science.

- In an exploratory experiment conducted in collaboration with the IUFM de Lorraine (teacher training institute), we investigated the use, the usefulness and the impact of an innovative Augmented Reality Environment for teaching/learning astronomy at primary school [15]. An AR learning environment has been designed whose aim is to show augmented views of some celestial bodies and support the pupils' investigations using spatial visual guides and views from a terrestrial observer. Each child was asked to solve problems related to astronomy in two different conditions in which they had to use and manipulate: (1) the traditional learning environment (i.e., with physical models), or (2) the Augmented Reality environment. Preliminary results show that the declarative knowledge related to astronomy was higher with the AR Environment. Only AR users have developed scientific conceptions of the explored astronomical phenomena and learnings have been significantly improved. Furthermore, we presented some arguments in order to support the assumption that the AR model assists the process of scaffolding, promotes collaborative learning by reducing cognitive load, and takes part to the motivation dynamic by enhancing task controllability.

- We have designed and developed a software whose aim is to support students with learning computer programming. This software, named artEoz, enables a pedagogical view of the computer memory, dynamically changing while the user program is running [26]. Using a nice visualization helps to understand the behavior on an object oriented program. This software concerns beginners as well experimented students thanks to its facilities to draw complex data structures. artEoz can be freely downloaded for academic use only from http://arteoz.loria.fr. This software is licensed by the APP (French agency for software protection).

MORPHEO Team

9. Dissemination

9.1. Scientific Animation

- Edmond Boyer was co-organizer of the ICCV 2013 workshop 4DMOD on 4D Modeling.
- Edmond Boyer was an area chair for BMVC 2013.
- Edmond Boyer was a member of the program committees of: CVPR2013, ICCV2013, 3DV2013, CVMP2013, HAU3D2013 (CVRP Workshop), ORASIS2013.
- Edmond Boyer has reviewed for the journals: IEEE PAMI, springer IJCV and Elsevier CVIU.
- Edmond Boyer gave invited talks at Kyoto University and Dagsthul seminar.
- Jean-Sébastien Franco has reviewed for the following conferences: CVPR 2013, ICCV 2013, 3DV 2013.
- Jean-Sébastien Franco has reviewed for the following journal: Robotics and Autonomous Systems.
- Franck Hétroy has reviewed for the journal: ReFIG.
- Franck Hétroy has reviewed for the conferences: ACM SIGGRAPH 2013 and Joint Virtual Reality Conference 2013.
- Lionel Reveret has reviewed for the journals: ACM Transactions on Graphics, Computer Graphics Forum.
- Lionel Reveret has reviewed for the conferences in 2013: ACM SIGGRAPH, Eurographics, BMVC, Pacific Graphics (committee member), Motion in Games (committee member).

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence: J.S. Franco, Algorithmics, 70h, Grenoble INP - Ensimag, France.

License: J.S. Franco, C Project, 58h, Grenoble INP - Ensimag, France.

Licence: J.S. Franco, Introduction to Computer Vision, 27h, Grenoble INP - Ensimag, France.

Licence: Franck Hétroy, algorithmique et structures de données, 45h, Grenoble INP - Ensimag, France.

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.

Master: J.S. Franco, End of study project (PFE) Project Tutoring, 9h, Grenoble INP - Ensimag, France.

Master: J.S. Franco, Projet de Specialité - Project Tutoring, 9h, Grenoble INP - Ensimag, France.

Master: J.S. Franco, 3D Graphics, 50h, Grenoble INP - Ensimag, France.

Master: J.S. Franco, Modelisation et programmation C++, 9h, Ensimag 2nd year, Grenoble INP

Master: Franck Hétroy, modélisation et programmation C++, 18h, Grenoble INP - Ensimag, France.

Master: Franck Hétroy, géométrie algorithmique, 9h, Grenoble INP - Ensimag, France.

Master: Franck Hétroy, introduction a la recherche en laboratoire, 6h, Grenoble INP - Ensimag, France.

Master: Franck Hétroy, projets de spécialité image, 45h, Grenoble INP - Ensimag, France.

Master: Franck Hétroy, responsible for Grenoble INP - Ensimag 2nd year, France.

Master: Lionel Reveret, Synthèse d'Image Avancée, 22h, Grenoble INP - Ensimag, France.

Master: Lionel Reveret, Ingénierie de l'Animation 3D, 18h, Grenoble INP - Ensimag, France.

Master: Lionel Reveret, Anatomie Numérique, 4h, Ecole de Médecine, La Tronche, 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: Benjamin Aupetit, *Raffinement de forme avec photo-consistance spatio-temporelle*, Université de Grenoble, started 01/10/2011, supervised by Edmond Boyer and Franck Hétroy.

PhD in progress: Adnane Boukhayma, *4D model synthesis*, Université de Grenoble, started 01/10/2013, supervised by Edmond Boyer.

PhD in progress: Simon Courtemanche, *Analyse et modélisation des gestes d'escalade*, Université de Grenoble, started 01/10/2010, supervised by Edmond Boyer and Lionel Reveret.

PhD in progress : Abdelaziz Djelouah, *Gesture Interfaces*, Technicolor-Université de Grenoble, started 01/04/2011, supervised by J.S. Franco, E. Boyer, F. Leclerc et P. Perez.

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.

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.

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 one PhD thesis (Youssef Alj - Université de Rennes) and was examiner of one PhD thesis (Mathieu Barnachon - Université de Lyon 1).
- Franck Hétroy was examiner of one PhD thesis (Thibaut Le Naour - Université de Bretagne Sud).

PERCEPTION Team

8. Dissemination

8.1. Scientific Animation

Radu Horaud is a member of the following editorial boards:

- advisory board member of the *International Journal of Robotics Research*,
- associate editor of the *International Journal of Computer Vision*, and
- area editor of *Computer Vision and Image Understanding*.

8.2. Teaching - Supervision - Juries

8.2.1. Teaching

Doctorat (EEATS) : Radu Horaud, Manifold Learning for Signal and Image Analysis, 18 hours, Université de Grenoble, France.

Doctorat (MSTII) : Radu Horaud, Three-Dimensional Sensors, 12 hours, Université de Grenoble, France.

8.2.2. Supervision

PhD: Jordi Sanchez-Rieira, 3D Human-Robot Interaction with NAO, November 2009 – June 2013, Radu Horaud

PhD: Antoine Deleforge, Sound-Source Separation and Localization, October 2010 – December 2013, Radu Horaud

PhD: Xavi Alameda-Pineda, Audio-Visual Fusion for HRI, October 2010 – November 2013, Radu Horaud

PhD in progress: Kaustubh Kulkarni, Continuous Action Recognition, November 2009, Radu Horaud

PhD in progress: Maxime Janvier, Sound Recognition for Humanoids, November 2012, Radu Horaud

PhD in progress: Israel Dejene-Gebru, Multimodal human-robot dialog based on audio and visual features, October 2013, Radu Horaud

<p style="text-align:center; color:red">Prima Project-Team</p>

8. Dissemination

8.1. Scientific Animation

8.1.1. Sabine Coquillart

8.1.1.1. Animation of the Scientific Community

- Sabine Coquillart has served as a member of the Conference Committee of IEEE VR 2013 - IEEE Virtual Reality, Orlando, FL, USA, March 2013.
- Sabine Coquillart has co-chaired the Dagstuhl seminar on "Virtual realities", June 2013.
- Sabine Coquillart is elected member of the EUROGRAPHICS Executive Committee.
- Sabine Coquillart is member of the EUROGRAPHICS Working Group and Workshop board.

8.1.1.2. Participation on Conference Program Committees

- Sabine Coquillart has served as International Program Committee co-chair for IEEE VR 2013 - IEEE Virtual Reality, Orlando, FL, USA, March 2013.
- Sabine Coquillart has served as Program co-chair for GRAPP - the International Conference on Computer Graphics Theory and Applications, Barcelona, Spain, Feb. 2013.
- Sabine Coquillart has served as area co-chair (Virtual reality) for ISVC 2013 - the 9th International Symposium on Visual Computing, Rethymnon, Crete, Greece, July 2013.

Sabine Coquillart has served as a member of the program committee for the following conferences:

- GRAPP'2013 - International Conference on Computer Graphics Theory and Applications - Barcelona Spain, Feb. 2013.
- CASA 2013 - International Conference on Computer Animation and Social Agents - Istanbul, Turkey, May 2013.
- CGI 2013 - Computer Graphics International ,Hannover, Germany, June 2013.
- CGVCVIP 2013 - IADIS Computer Graphics, Visualization, Computer Vision and Image Processing - Prague, Czech Republic, July 2013.
- CVRB 2013 - International Conference on Virtual Reality and Broadcasting, Dusseldorf, Germany, 2013.
- DigitalHeritage 2013, Marseille, France, Oct-Nov 2013.
- GRAPHICON'2013 - International Conference on Computer Graphics and Vision - Vladivostok, Russia, October 2013.
- ICAT 2013, the 23rd International Conference on Artificial Reality and Telexistence, Tokyo, Japan, Dec 2013.
- ICVRV 2013 - International Conference on Virtual Reality and Visualization 2013, Xi'an, China, September 2013.
- IEEE 3DUI 2013 - IEEE 3D User Interfaces - Orlando, FL, USA, March 2013.
- ISMAR 2012 - IEEE International Symposium on Mixed and Augmented Reality - Adelaide, Australia, Oct. 2013 (reviewer).
- JVRC 2013 - Joint Virtual Reality Conference on Virtual Reality of EGVE - EuroVR, Orsay, France, Dec. 2013.
- VRIC 2013 - Virtual Reality International Conference, Laval, 2013.
- SUI 2013 - ACM Symposium on Spatial User Interaction, Los Angeles, CA, USA, Jul. 2013.
- SVR 2013 - Symposium on Virtual and Augmented Reality - Brazil , May 2013.
- VisGra 2013 - International Workshop on Computer Vision and Computer Graphics - Sevilla Spain, Jan. - Feb. 2013.
- VRST 2013 - 19th ACM Symposium on Virtual Reality Software and Technology, Nanyang, Singapore, Oct. 2013.
- WSCG 2013 - International Conferences in Central Europe on Computer Graphics, Visualization and Computer Vision - Prague, Czech Republic, 2013.

8.1.1.3. Participation on Advisory panels

- Sabine Coquillart is serving as member of the steering committee for the ICAT conference - International Conference on Artificial Reality and Telexistence.
- Sabine Coquillart is chairing the steering committee for the EGVE Working Group - EUROGRAPH-ICS Working group on Virtual Environments.
- Sabine Coquillart was a member of the FET pool of experts for European Commission funding under the framework of FET Open.
- Sabine Coquillart has reviewed proposal for ANR - the "Agence National de la Recherche".

8.1.1.4. Participation on Journal Editorial Boards

- S. Coquillart, J.J. LaViola Jr., Z. Pan, D. Schmalstieg (Guest Editors), IEEE Transactions on Visualization and Computer Graphics, vol. 19 n. 4, 2013.
- Sabine Coquillart is a member of the Editorial Board of the Journal of Virtual Reality and Broadcasting.
- Sabine Coquillart is co-Guest Editor for some papers of an issue of Presence: Teleoperators & Virtual Environments Journal, 2013.
- Sabine Coquillart is a member of the Editorial board (computer Sciences) of the Scientific World Journal.
- Sabine Coquillart is a member of the Editorial Board of the Advances in Human-Computer Interaction Journal.

8.1.1.5. Invited Presentations by Sabine Coquillart

- "Réalité Virtuelle et Réalité Augmentée, une introduction centrée utilisateur", ENS Cachan, Paris, Sept. 2013.

8.1.2. James L. Crowley

James L. Crowley has served as a Program Chair for PETS 2013. He was a member of the technical program committee for Ubicomp 2013. He has reviewed papers for CVPR, ICCV, ICRA, ICMI, ICVS, and IE. He has served as member of the selection committee for the Institut Universitaire de France (IUF) Junior. He served as expert for the European Commission ICT program. He has served as member of EDF competition on Smart energy.

8.1.3. Thierry Fraichard

Thierry Fraichard has served as an Associated Editor for IEEE/RSJ Int. Conf/ on Intelligent Robots and Systems 2013 (IROS) and IEEE Int. Conf. on Robotics and Automation (ICRA). He has served as a Program Committee member for the European Conf. on Mobile Robots 2013 (ECMR). He has reviewed papers for different conferences and journal in his domain (IV, JFR, RAS, IEEE TRO, IJRR, EuroGraphics) and has reviewed projects in the European FET Xtrack program.

8.1.4. Patrick Reignier

Patrick Reignier has served as a Program Committee member for the following conferences:

- INTERACT 2013, 2 - 6 September 2013, Cape Town, South Africa
- IUI 2013, poster session, March 2013, Santa Monica, USA
- Smart Object Workshop of IUI 2013, March 2013, Santa Monica, USA

He also reviewed papers for the main track of IUI 2013. He has been re-elected for 3 years at the board of the Association Française pour l'Intelligence Artificielle (AFIA). He has co-organized the joint scientific day between the HMI and the Artificial Intelligence Associations.

8.1.5. *Dominique Vaufreydaz*

Dominique Vaufreydaz has served as reviewer and Program Committee member for the following conferences:

- the Eighth IEEE International Workshop on Multimedia Technologies for E-Learning (MTEL) in conjunction with the IEEE International Symposium on Multimedia 2013 (ISM2013), December 2013, Anaheim, CA, USA.
- the 2nd Workshop on Assistance and Service robotics in a human environment at IEEE International Conference on Intelligent Robots and Systems (IROS2013), November 2013, Tokyo, Japan.
- the Seventh International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM 2013), October 2013, Porto, Portugal.
- the International Workshop on Wireless Communications and User-centered Services in Pervasive Environments(WUSPE2013), September 2013, Hanoi, Vietnam.
- the 1st Workshop on Affective Social Speech Signals (WASSS) in conjunction with Interspeech 2013, August 2013, Grenoble/Lyon, France.

He has reviewed articles for:

- the IEEE Robot and Human Interaction Communication (Ro-Man 2013), August 2013, Gyeonggy, South Korea.
- the IEEE International Conference on Robotics and Automation (ICRA 2013), May 2013, Karlsruhe, Germany.

He was in the Organization Committee of the 1st Workshop on Affective Social Speech Signals (WASSS) (in conjunction with Interspeech 2013), in August 2013, Grenoble/Lyon, France. He co-organized the Keynotes Speeches of the LIG Laboratory http://www.liglab.fr/spip.php?article884. He served as expert for the TecSan 2013 call for project from ANR. He was elected as representative of the researchers at the Inria Grenoble Research Center Committee.

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 Sysetms, Cours 54h EqTD, ENSIMAG

James Crowley is Director of the 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*

Licence: Thierry Fraichard, Introduction à la robotique, 19h eqTD, L3 INFO, Univ. of Grenoble, France.

Licence: Thierry Fraichard, Algorithmique, 36h eqTD, M1, ENSIMAG/Grenoble INP, France.

Master: Thierry Fraichard, Introduction to Perception and Robotics, 23h eqTD, M1 MOSIG, Univ. of Grenoble, France.

Master: Thierry Fraichard, Advanced Motion Planning (invited course), 9 heqTD, Centre de Développement des Technologies Avancées, Algiers (DZ), Jan. 2013.

8.2.1.4. *Patrick Reignier*

Master: Patrick Reignier, Projet Génie Logiciel, 55h eqTD, M1, ENSIMAG/Grenoble INP, France.

Master : Patrick Reignier, Developpement d'applications communicantes, 18h eqTD, M2, EN-SIMAG/Grenoble - INP, France

Master : Patrick Reignier, Introduction aux applications réparties, 18h eqTD, M2, EN-SIMAG/Grenoble - INP, France

Master: Patrick Reignier, Programmation Internet, 18h eqTD, M1, ENSIMAG/Grenoble INP, France

Licence: Patrick Reignier, Algorithmique, 70h eq TD, L3, 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 2013

Antoine Méler, BetaSAC et OABSAC, Deux Nouveaux Echantillonnages Conditionnels pour RANSAC, Thesis defended January 2013, Thesis Director James Crowley.

Marion Décrouez, Modélisation et Localisation Visuelle dans les Environnement Dynamiques, Thesis defended May 2013, Thesis Directed by Frédéric Devernay and James Crowley.

8.2.2.2. PhD in progress

Evanthia Mavridou, Visual Invariants for Detection and Recognition, Université de Grenoble, expected fall 2014, James Crowley (Professor)

Varun Jain, Perception of Human Emotions, Université de Grenoble, expected fall 2014, James Crowley (Professor)

Sergi Pujades-Rocamora, Modèles de caméras et algorithmes pour la création de contenu video 3D, expected fall 2015, Rémi Ronfard (HDR) et Frédéric Devernay

Julian Quiroga, Visual Perception of Gestures, Université de Grenoble, expected fall 2014, James Crowley (Professor) and Frédéric Devernay

Dimitri Masson, Modèles et outils pour favoriser la créativité dans les premières phases de conception d'IHM, Université de Grenoble, expected fall 2014, Gaëlle Calvary (Professor) and Alexandre Demeure

Étienne Balit, Multimodalité et interaction sociale, Université de Grenoble, expected Fall 2016, Patrick Reignier (Professor), Dominique Vaufreydaz.

Viet Cuong Ta, Multiple Users localization in public large-scale space, Université de Grenoble, expected Fall 2016, Eric Castelli (HDR, Mica laboratory Hanoi, Vietnam), Dominique Vaufreydaz.

Rémi Paulin, Human-Robot Motion, Univ. of Grenoble, expected Fall 2016, Thierry Fraichard (HDR).

8.2.3. Juries

- Sabine Coquillart (examiner), HDR, Mehdi Ammi, Univ Paris-Sud - LIMSI, Nov. 2013
- Sabine Coquillart (reviewer), PhD, Florimond Guéniat, Univ Paris-Sud - LIMSI, Dec. 2013
- James Crowley (reviewer), HDR, Jean-Pierre Nikolovski, Univ Paris - UPMC, Dec. 2013
- James Crowley (reviewer), PhD, Alberto Calatroni, ETH Zurich, Sept. 2013
- James Crowley (jury president), PhD, Alfonso Garcia-Frey, Université de Grenoble, July 2013
- James Crowley (jury president), PhD, Jorgé Rios Martinez, Université de Grenoble , Jan. 2013
- Thierry Fraichard (reviewer), PhD, Adam Houenou, Univ. Tech. de Compiègne, Dec. 2013.
- Thierry Fraichard (jury president), PhD, Asma Azim, LIG, December 2013.

- Patrick Reignier (examiner), PhD, Pedro Chahuara, LIG, March 2013.
- Patrick Reignier (examiner), PhD, Benoit Vettier, LIG, Sep. 2013.
- Patrick Reignier (examiner), PhD, Benjamin Cogrel, Université Paris Est, Nov. 2013.
- Patrick Reignier (examiner), HDR, Julie Dugdale, LIG, Dec. 2013.
- Patrick Reignier (reviewer), DRI (Diplome de Recherche et d'Innovation), Safietou Thior, LIG, May 2013.

8.3. Invited Presentations

8.3.1. *James Crowley*

- James Crowley, Socially Intelligent Human Computer Interaction, Journée Interaction Homme-Machine et Intelligence Artificielle, Paris, 28 March 2013.
- James Crowley, Table ronde "Robotique intelligente et compétitivité des PME", InnoRobot, Lyon, 19 Mars 2013.

8.3.2. *Thierry Fraichard*

- Will the driver seat ever be empty?, Technion, Haifa (IL), April 2013.
- Will the driver seat ever be empty?, Tel Aviv University (IL), June 2013.
- Will the driver seat ever be empty?, Ariel University (IL), June 2013.
- Will the driver seat ever be empty?, Bar Ilan University, Ramat Gan (IL), Oct. 2013.

8.3.3. *Dominique Vaufreydaz*

- Multimodal perception, activity recognition and companion robots, MICA laboratory, Hanoi (Vietnam), June 2013.
- Invited speaker at "L'Homme 2.0 et son environnement – Entre rejet et fascination", an inter-professional meeting (entrepreneurs, researchers, artists, associative and institutional actors), Université de Lyon, December 2013.

8.4. Popularization

- Thierry Fraichard gave three lectures on Robotics to highschool students and teachers in the scope of the "Informatique au lycée" initiative, April and May 2013.
- Dominique Vaufreydaz gave two lectures on perception and companion robot to highschool students and teachers in the scope of the "Informatique au lycée" initiative, April and May 2013.
- Dominique Vaufreydaz gave seminars entitled "Perception, reconnaissance d'activités et robots compagnons.", Fêtes de la Science, at Inria Grenoble, Monbonnot, October 2013.
- The first version of the AppsGate integration platform was demonstrated to the public as part of the Experimenta Fair [4] in Grenoble, from 10 to 13 of October 2013.

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[4]http://www.echosciences-grenoble.fr/sites/experimenta

SIROCCO Project-Team

9. Dissemination

9.1. Scientific Animation

- C. Guillemot is associate editor of the Eurasip International Journal on Image Communication.
- C. Guillemot is senior member of the editorial board of the IEEE Journal on selected topics in signal processing.
- C. Guillemot is member of the award committee of the Eurasip Image communication journal.
- 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 committee in charge of the IEEE Brillouin-Glavieux award.
- C. Guillemot has been a member of technical program committees of international conferences of the field (EUSIPCO 2013, IEEE-MMSP 2013, PV-2013 and PCS-2013).
- 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 recrutments.
- C. Guillemot was a member of the selection committee for recruting a Professor at KTH, Stokholm(2013).
- 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 has been president of the organization committee of 2013 Gretsi-EEA Signal-Image-Vision thesis prize
- C. Labit is member of the GRETSI association board.
- C. Labit is member of the ICT strategic steering committee (CPS-7) of the National Research Agency (ANR).
- O. Le Meur co-organized a special session on "Visual attention and applications" at Wiamis 2013.
- A. Roumy is a member of the GRETSI association board.
- A. Roumy has been a member of the technical program committee of the international conference EUSIPCO 2013.
- A. Roumy is titular member of the National Council of Universities (CNU section 61, 2012-2015).
- A. Roumy is a local liaison officer for Eurasip.
- A. Roumy co-organized a special session on "Compressed Sensing and Sparse Representations for Visual Information Processing" at the Picture Coding Symposium (PCS), 2013.

9.2. Patents and Standardization

The team has contributed to the 3DV standardization initiatives of the ITU/MPEG joint collaborative team on video coding (JCT-VC) [40]. A joint proposal with Qualcomm and Mediatek has been adopted in the 3DV standard in July 2013 [42], [41].

Four patents have been filed jointly by Technicolor and Inria in the area of 2D video coding.

9.3. Teaching - Supervision - Juries

9.3.1. Teaching

Master: C. Guillemot, Image and video compression, 12 hours, M2 computer science, Univ. of Rennes 1, France.

Master: C. Guillemot, Image and video compression, 12 hours, M2 SISEA, Univ. of Rennes 1, France.

Master: L. Guillo, Multimedia Communication, 15 hours, M2 Network Engineering, 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, Acquisition/Image processing/Compression, 16 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, 16 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. Supervision

PhD in progress : J. Aghaei Mazaheri, Sparse representations and dictionary learning for satellite image compression, Oct. 2011, C. Guillemot and C. Labit (contract with Astrium)

PhD in progress : M. Bevilacqua, Image and video super-resolution using neighbor embedding algorithms, Feb. 2011, A. Roumy and C. Guillemot (contract with Alcatel/Lucent)

PhD in progress : B. Huang, Video compression with generalized lifting, Apr. 2012, C. Guillemot (Cifre contract with Orange)

PhD in progress : D. Khaustova, Objective evaluation of 3D video quality, Dec. 2011, O. Le Meur (Cifre contract with Orange)

PhD in progress : M. Ebdelli, Video inpainting for editing and loss concealment, Dec. 2010, C. Guillemot and O. Le Meur

PhD in progress : M. Alain, Spatio-temporal linear embedding for epitome-based video compression, Oct. 2012, C. Guillemot (Cifre contract with Technicolor)

PhD in progress : N. Dhollande, HEVC codec optimization based on content pre-analysis, Oct. 2012, O. Le Meur and C. Guillemot (Cifre contract with Thomson Video Networks)

PhD in progress : M. Le Pendu, HDR video compression, Dec. 2012, C. Guillemot (Cifre contract with Technicolor)

PhD in progress : Julio-Cesar Ferreira, multi-view super-resolution, Oct. 2013, C. Guillemot and O. Le Meur (Co-tutelle with University of Uberlandia, Brazil).

9.3.3. Juries

- C. Guillemot has been member (rapporteur) of the jury of the HDR committee of:
    - M. Cagnazzo, Telecom ParisTech, Sept. 2013
- C. Guillemot has been member (rapporteur) of the jury of the PhD committee of:
    - G. Pettrazuoli, Telecom ParisTech,Jan. 2013
- C. Labit has been member (as examiner) of the jury of the HDR committee of:
    - Marc Chaumont, Université de Montpellier 2, Jul. 2013
- C. Labit has been member (as president) of the jury of the PhD committee of:
    - Mikael Carlavan, Université Nice-Sophia Antipolis, June 2013

9.4. Popularization

- L. Guillo is advisor of secondary school pupils following the course "Informatique et Science du Numérique (ISN)" of the Lycée Jean Macé in Rennes, France.

STARS Project-Team

9. Dissemination

9.1. Scientific Animation

- François Brémond was reviewer for the conferences : CVPR'13-14, ICCV'13, AVSS'13, ICVS'13, ICDP'13, ICRA'13, ACM MM'13;

- François Brémond was handling editor of the international journal "Machine Vision and Application";

- François Brémond was reviewer for the journal "IEEE Computing Now";

- François Brémond was program committee member of the conferences and workshops: IEEE Workshop on Applications of Computer Vision (WACV 2013-14), ICME AAMS-PS 2013, RIVF 2013, ASROB-2013, ICCV'13 Workshop on Action Recognition (THUMOS), on Re-Identification (Re-Id 2013) and on Object Tracking VOT'2013, LACNEM-13, ACM MIIRH 2013;

- François Brémond was speaker in two thematic schools: S5 Second Spring Short School on Surveillance in Modena Italy, May 7-9 2013 and Dem@Care School on Ambient Assisted Living (DemAAL 2013), Chania, Crete, Greece (16-20 September 2013);

- François Brémond was organizer of the SPHERE workshop on Ambiant Assisted Living, at Inria Sophia Antipolis, 9-10 October 2013 and a PANORAMA special session, part of VISAPP Lisbon, Portugal, 5-8 January 2014;

- François Brémond was an expert in review of research projects for France Alzheimer Association (25th May 2013), for NTU Singapore (19th August 2013) and for INSA de Lyon (4th November 201);

- 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 (ERNCIP) - Video Anlaytics and surveillance Group, at European Commission's Joint Research Centre in Ispra, Italy, 29 April 2013, 28-29 October, 2013;

- François Brémond was area chair of the IEEE International Conference on Advanced Video and Signal Based Surveillance, AVSS'13, Krakow, Poland on August 27-30, 2013;

- François Brémond gave invited talks at:
  - the Symposium of World Congress of Gerontology and Geriatrics (IAGG) 2013, 23-27 June, Coex, Seoul, Korea (Title: "ICT in Dementia: from assessment to stimulation.);
  - the Conference "Les Echos sur la dépendance, quelles réponses pour faire reculer la dépendance ? " in March 2013;
  - the IX Journée de la Fédération CMRR in Nice on the 29 March 2013;
  - the Journée pédo psychiatrie, Nice on the 11th October 2013 (invited by F. Azkenazy);
  - University of Central Florida, 14-15 October 2013 (invited by M. Shah);

- Guillaume Charpiat reviewed for the conferences CVPR, ICCV and Gretsi;

- Guillaume Charpiat reviewed for the journals CVIU (Computer Vision and Image Understanding), SIAM Journal on Imaging Sciences (SIIMS), RIA (Revue d'intelligence artificielle);

- Guillaume Charpiat gave invited talks :
  - in the TAO team (8 October 2013) about lossless image compression,
  - and in the GALEN team (9 October 2013) about energies minimizable with graph cuts.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

Licence : Annie Ressouche, Critical Software Verification- Introduction to SCADE, 5h, niveau (L3), Mines Paris Tech, FR

Master : Annie Ressouche,Critical Software Verification and application to WComp Middleware , 10h, niveau (M2), Polytech'Nice School of Nice University, FR

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: Rim Romdhane, Event Recognition in Video Scenes with Uncertain Knowledge, 30th September 2013, François Brémond and Monique Thonnat;

PhD: Malik Souded : Suivi d'Individu à travers un Réseau de Caméras Vidéo, 20th December 2013, François Brémond ;

PhD in progress: Julien Badie, People tracking and video understanding, October 2011, François Brémond;

PhD in progress : Piotr Bilinski, Gesture Recognition in Videos, March 2010, François Brémond;

PhD in progress : Carolina Garate, Video Understanding for Group Behaviour Analysis, August 2011, François Brémond;

PhD in progress : Ratnesh Kumar, Fiber-based segmentation of videos for activity recognition, January 2011, Guillaume Charpiat and Monique Thonnat;

PhD in progress : Minh Khue Phan Tran, Man-machine interaction for older adults with dementia, May 2013, François Brémond.

9.2.3. Juries

- François Brémond was jury member of the following PhD theses:
  - Boris Meden, Lab Vision and Content Engineering, CEA Saclay – nano innov, 15 January 2013;
  - Wenjuan Gong, PhD VIVA at Computer Vision Center in Barcelona, 10th May 2013;
  - Miriam Redi, EURECOM, 29th May 2013;
  - Lyazid Sabri, Université Paris Est Créteil (UPEC), 1 July 2013;
  - Francis Martinez, Vision VLSI/System ISIR/UPMC & CNRS UMR, Université Pierre et Marie Curie (UPMC), Jussieu, Paris, 9 July 2013;
  - Hajer Fradi PhD defense, EURECOM, 28th January 2014.

9.3. Popularization

- François Brémond participated in ERCIM News 95, Special theme: "Image Understanding", Sept 2013;
- François Brémond was interviewed by magazine 01net/itv Jul 2013;
- François Brémond was interviewed on Autisme by Monaco Info TV, September 2013;
- François Brémond gave a talk at Forum de la Recherche, Nice, 22 November 2013;
- Guillaume Charpiat is part of the MASTIC commitee;
- Guillaume Charpiat wrote with Yuliya Tarabalka a popularization article about wild fire mapping from satellite images in the magazine Earthzine : http://www.earthzine.org/2013/09/16/exploiting-temporal-coherence-for-fire-mapping-from-modis-spaceborne-observations/ [53].

TEXMEX Project-Team

9. Dissemination

9.1. Scientific Animation

Laurent Amsaleg

- was a reviewer for TPAMI in 2013;
- was a reviewer for Information Systems in 2013;
- was a reviewer for Multimedia Tools and Applications in 2013;
- was a program committee member of ICMR 2013;
- was a program committee member of MMM 2013;
- was a program committee member of CBMI 2013;
- was a program committee member of ICME 2013;
- was a program committee member of SISAP 2013;
- was a program committee member of SITIS 2013.

Vincent Claveau

- is a member of the editorial board of the journal Traitement Automatique des Langues;
- is a board member of Association pour la Recherche d'Information et Applications;
- was a program committee member of Conf. francophone en Traitement automatique des langues naturelles, France;
- was a program committee member of Conf. en Recherche d'Information et Applications, Switzerland;
- was a program committee member of ISCA/IEEE Workshop on Speech, Language and Audio in Multimedia, France;
- was a reviewer for the journal BioInformatics;
- was a reviewer for the journal Technique et Science Informatique;
- was a editorial committee member of the special issue *Fouille de Données et Humanités Numériques* of the RNTI journal;
- was a reviewer for Hubert Curien program.

Teddy Furon

- was an associate editor for IEEE Trans. on Information Forensics and Security;
- was an associate editor for Elsevier Digital Signal Processing Journal;
- was an associate editor for Hindawi Scientific World Journal;
- was a member of the IEEE Information Forensics and Security Technical Committee;
- was a program committee member of IHMMSEC 2013;
- was a program committee member of CMS 2013;
- was a program committee member of WIFS 2013.

Guillaume Gravier

- is president of the administration council of the French-speaking speech communication association (AFCP);
- is the coordinator of the Special Interest Group Speech and Language in Multimedia of the Intl. Speech Communication Association;
- is a member of the informal coordination group of the Mediaeval benchmarking initiative;
- was a member of the steering committee of Interspeech 2013, in charge of tutorials, special sessions and program coordination;
- was the general chair of the ISCA/IEEE Workshop on Speech, Language and Audio in Multimedia;
- was a program committee member of ACM Conf. on Multimedia;
- was a program committee member of IEEE Intl. Conf. on Multimedia Signal Processing;
- was a program committee member of ISCA Intl. Workshop on Non-Linear Speech Processing;
- was a program committee member of Interspeech;
- was a program committee member of IEEE Intl. Conf. on Multimedia and Expo;
- was a program committee member of Intl. Workshop on Content-based Multimedia Indexing;
- was a program committee member of Intl. Language Resources and Evaluation Conf.;
- was a program committee member of GRETSI;

Patrick Gros

- is scientific officer of the Inria research center of Rennes – Bretagne Atlantique, and thus member of the executive board of the center;
- is a member of the scientific board of Université européenne de Bretagne;
- is a member of the Evaluation Board of Inria;
- was appointed as an expert by the French National Agency;
- was a program committee member of the Intl. Conf. on Creative Content Technologies, Spain;
- was a program committee member of Conférence en Recherche d'Information et Applications, Switzerland;
- was a Technical Program Committee member of the European Signal Processing Conf. Morocco;
- was a program committee member of the ACM Int. Conf. on Multimedia Retrieval, USA;
- was a program committee member of Int. Conf. on Machine Learning and Data Mining, Germany;
- was a program committee member of the MUSCLE Intl. Workshop on Computational Intelligence for Multimedia Understanding, Turkey;
- was a program committee member of GRETSI workshop, France.

Hervé Jégou

- has co-organized a tutorial on Large-Scale Visual Recognition at CVPR 2013;
- was a program committee member of CVPR 2013;
- was a program committee member of ICCV 2013;
- was a program committee member of CBMI 2013;
- was a program committee member of CORESA 2013;
- was a program committee member of FGCV 2013;

François Poulet

- was a program committee member of VINCI'2013;
- was a program committee member of AusDM'2013;
- was a program committee member of KDIR'2013;
- was a program committee member of KICSS'2013;
- was a program committee member of IC3K'2013;
- is a reviewing committee member of AKDM, Springer;
- was a reviewer for DAMI, Data Mining, Springer;
- was a reviewer for IJSS, International Journal of System Science;
- was a reviewer for RNTI, Revue des Nouvelles Technologies de l'Information;

Christian Raymond

- is a member of the editorial board of the journal Discours;
- was a member of the organization committee of ISCA/IEEE Workshop on Speech, Language and Audio in Multimedia;
- was a program committee member of Interspeech;
- was a reviewer for IEEE Transaction on Speech, Language an Audio Processing;
- was a reviewer for the Journal Traitement Automatique des Langues;
- was a program committee member of Conf. francophone en Traitement Automatique des Langues Naturelles;
- was a program committee member of Intl. Conf. on Machine Learning and Applications.

Pascale Sébillot

- was a member of the program committee of Conf. francophone en Traitement automatique des langues naturelles, France;
- was a member of the program committee of Workshop on Distributional Semantics, France;
- was a member of the program committee of Conf. Terminologie et Intelligence Artificielle, France;
- was a member of the program committee of ISCA/IEEE Workshop on Speech, Language and Audio in Multimedia, France;
- is a member of the permanent steering committee of Conf. francophone en Traitement automatique des langues naturelles
- is an editorial committee member of the Journal Traitement Automatique des Langues;
- was a member of the reading committee of several issues of the Journal Traitement Automatique des Langues.

9.2. Teaching - Supervision - Juries

9.2.1. Teaching

9.2.1.1. Course and track responsibilities

Ewa Kijak is head of the Image engineering track of ESIR (Ecole Supérieure d'Ingénieur de Rennes), the engineering school of University of Rennes 1, France.

Guillaume Gravier is coordinator of the course "Data analysis and probabilistic models" of the Master by research in Computer Science (2nd year), University of Rennes 1, France.

Patrick Gros is coordinator of the track "From Data to Knowledge: Machine Learning, Modeling and Indexing Multimedia Contents and Symbolic Data" of the Master by research in Computer Science (2nd year), University of Rennes 1, France.

Francois Poulet is head of Master 2 Mitic, Computer Science Methods and ICT.

9.2.1.2. List of courses

Master: Laurent Amsaleg, High-Dimensional Indexing, 13h, M2R, University Rennes 1, France

Master: Laurent Amsaleg, DataBase tuning, 10h, M2, ENSAI, France

Master: Vincent Claveau, Indexing and multimedia databases, 15h, M2, ENSSAT

Master: Vincent Claveau, Natural Language Processing, 36h, M2, Univ. Rennes 1

Master: Vincent Claveau, Data-Based Knowledge Acquisition 2: Symbolic Methods, 27 hours, M1, INSA de Rennes

Master: Vincent Claveau, Symbolic and sequential data, 10h, M2R, University of Rennes 1

Master: Vincent Claveau, Multimedia indexing and machine learning, M2, 10 hours, University Rennes 1

Master: Ewa Kijak, Image analysis and classification, 30h, M1, ESIR

Master: Ewa Kijak, Image processing, 34h, M1, ESIR

Master: Ewa Kijak, Supervised learning, 16h, M2R, University Rennes 1

Master: Ewa Kijak, Statistical data mining, 26h, M2, University Rennes 1

Master: Ewa Kijak, Indexing and multimedia databases, 15h, M2, ENSSAT

Master: Guillaume Gravier, Data analysis and probabilistic models, 20h, M2, Univ. Rennes 1

Master: Guillaume Gravier, Speech and audio processing, 4h, M1, ESILV

Master: Patrick Gros, Mathematics workshop, 12h, ISTIC, University of Rennes 1

Doctorate: Patrick Gros, Introduction to projective geometry for computer vision and imagery, 12h, University of Rennes 1

Master: François Poulet, Introduction to Data Mining, 21h, M2, ISTIC, University of Rennes 1

Master: François Poulet, Visual Data Mining, 14h, M2, ISTIC, University of Rennes 1

Master: François Poulet, Machine Learning for Multimedia Data, 28h, M2 ISTIC, University of Rennes 1

Master: François Poulet, Visual Analytics, 21h, M2, ISTIC, University of Rennes 1

Master: François Poulet, Large Scale Classification, 11h, M2, ISTIC, University of Rennes 1

Master: Pascale Sébillot, Advanced Databases and Modern Information Systems, 70h, M2, INSA de Rennes

Master: Pascale Sébillot, Data-Based Knowledge Acquisition 2: Symbolic Methods, 18h, M1, INSA de Rennes

9.2.2. Supervision

PhD: Khaoula Elagouni, Combining neural-based approaches and linguistic knowledge for text recognition in multimedia documents, INSA de Rennes, May 28, 2013, Pascale Sébillot, Christophe Garcia (LIRIS, Lyon) and Franck Mamalet (Orange Labs, Rennes)

PhD: Cédric Penet, De l'indexation d'évènements dans des films - Application à la détection de violence, Université Rennes 1, October 10, 2013, Guillaume Gravier, Patrick Gros and Claire-Hélène Demarty (Technicolor)

PhD: Gylfi Gudmunson, Parallelism and distribution for very large scale content-based image retrieval, Université Rennes 1, September 12, 2013, Laurent Amsaleg and Patrick Gros

PhD: Thanh-Nghi Doan: Large Scale Support Vector Machine Algorithms for Visual Classification, University of Rennes 1, Nov.2013, Francois Poulet

PhD in progress: Raghavendran Balu, started October 2013, Teddy Furon and Laurent Amsaleg

PhD in progress: Petra Bosilj, Video description and retrieval, started October 2012, Ewa Kijak and Sebastien Lefèvre (IRISA/SEASIDE)

PhD in progress: Mihir Jain, Video description and retrieval, started February 2011, Hervé Jegou

PhD in progress: Ludivine Kuznik, Structuration et navigation dans des archives documentaires, started April 18, 2011, Guillaume Gravier, Pascale Sébillot and Jean Carrive (INA)

PhD in progress: Abir Ncibi, Machine learning models for TV stream structuring, started October 2011, Vincent Claveau, Guillaume Gravier, Patrick Gros

PhD in progress: Bingqing Qu, Structure discovery of TV programs from an homogeneous collection, started October 2012, Guillaume Gravier and Jean Carrive (INA)

PhD in progress: Anca Roxana Simon, Hierarchical semantic structuring of video collections, started October 1, 2012, Guillaume Gravier and Pascale Sébillot

PhD in progress: Stefan Ziegler, Landmark-driven speech recognition, started September 2010, Guillaume Gravier (with PANAMA)

9.2.3. *Juries*

Laurent Amsaleg, PhD, Zineddine Kouahla, Univ. Nantes

Guillaume Gravier, PhD, reviewer, A. Abduraman, Eurecom

Guillaume Gravier, PhD, M. Bouallègue, Univ. Avignon

Guillaume Gravier, HDR, reviewer, P. Paroubek, Univ. Paris-Sud

Hervé Jégou, PhD, Stefan Gammeter, ETHZ

Hervé Jégou, PhD, Relja Arandjelovic, Oxford University

Hervé Jégou, PhD, Albert Gordo, UAB

Francois Poulet, PhD, reviewer, Sébastien Heymann, UMPC-LIP6

Pascale Sébillot, HDR, reviewer, Pierre Beust, Caen Basse Normandie university

Pascale Sébillot, PhD, president, Antoine Boutet, Rennes 1 university

Pascale Sébillot, PhD, reviewer, Wei Wang, Paris-Sud university

Pascale Sébillot, PhD, reviewer, Prajol Shresta, Nantes university

Pascale Sébillot, PhD, reviewer and president, Fanny Lalleman, Toulouse university

Pascale Sébillot, PhD, reviewer, Nicolas Foucault, Paris-Sud university

9.3. Popularization

- Guillaume Gravier, Patrick Gros and Hervé Jégou: Invited talks at INA, January 2013
- Guillaume Gravier: Invited speaker at Séminaire Délégation Générale pour l'Armement, Paris
- Guillaume Gravier: Invited talk at PUC Minas, Brazil, April 2013
- Guillaume Gravier: Seminar on Speech and Audio Processing, M. Sc. Students, INSA Rennes, France
- Patrick Gros and Pascale Sébillot: Invited speakers at the workshop on Big Data, ENSAI, Rennes, France, November 2013.
- Guillaume Gravier: Invited speaker at Colloquium Rennais des Sciences du numérique, Rennes
- Hervé Jégou: Invited talk at Universita Autonoma de Barcelona, January 2013
- Hervé Jégou: Invited talk at University of Caen, January 2013
- Hervé Jégou: Invited talk at Oxford University, Visual Geometry Group, UK, November 2013

<p style="text-align:center;color:red;font-weight:bold;">WILLOW Project-Team</p>

9. Dissemination

9.1. Scientific Animation

- Conference and workshop organization
  - Workshop co-organizer, ICCV'13 THUMOS: The First International Workshop on Action Recognition with a Large Number of Classes, Sydney, Australia, 2013 (Ivan Laptev).
- Editorial Boards
  - International Journal of Computer Vision (I. Laptev, J. Ponce, J. Sivic and A. Zisserman).
  - Image and Vision Computing Journal (I. Laptev).
  - Foundations and Trends in Computer Graphics and Vision (J. Ponce, A. Zisserman).
  - IEEE Transactions on Pattern Analysis and Machine Intelligence (K. Alahari, co-guest editor of a special issue).
  - 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.
- Area Chairs
  - IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2013 (I. Laptev, J. Ponce, J. Sivic).
  - IEEE International Conference on Computer Vision (ICCV), 2013 (J. Sivic)
  - European Conference on Computer Vision (ECCV) 2014 (I. Laptev)
- Peer reviewing
  - IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2013 (K. Alahari, M. Cho, V. Delaitre, V. Kantorov).
  - IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2014 (K. Alahari, M. Cho, V. Delaitre, V. Kantorov, J. Sivic, I. Laptev).
  - IEEE International Conference on Robotics and Automation (ICRA), 2013 (J. Sivic).
  - International Conference on Neural Information Processing Systems (NIPS), 2013 (I. Laptev, J. Sivic).
  - ACM Symposium on User Interface Software and Technology (UIST) 2013 (I. Laptev).
  - ACM International Conference on Computer Graphics and Interactive Techniques (SIG-GRAPH), 2013 (J. Sivic).
  - ACM International Conference on Computer Graphics and Interactive Techniques (SIG-GRAPH Asia), 2013 (J. Sivic).
  - I. Laptev, reviewer for ERC grant applications (2013).
- Prizes and distinctions:
  - Sr. Member, Institut Universitaire de France (J. Ponce).
  - Inria Prime d'excellence scientifique (I. Laptev, J. Sivic).
  - ENS Prime d'excellence scientifique (J. Ponce).

9.2. Teaching - Supervision - Juries

9.2.1. HdR

- HdR: Ivan Laptev, Modeling and visual recognition of human actions and interactions, École normale supérieure

9.2.2. Teaching

Licence : J. Ponce, "Introduction to computer vision", L3, Ecole normale supérieure, 36h.

Licence : M. Pocchiola and J. Ponce, "Geometric bases of computer science", 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.

Doctorat : I. Laptev, J. Ponce, J. Sivic and A. Zisserman were speakers at the Inria/ENS Visual Recognition and Machine Learning Summer School http://www.di.ens.fr/willow/events/cvml2013/, Paris, 15h.

Doctorat: I. Laptev, Tutorial on human action recognition at the Inria Visual Recognition and Machine Learning Summer School, Paris, July 2013.

Doctorat: I. Laptev, Short course on Visual object and action recognition, Samsung Electronics Polska, Warsaw, Poland, November 2013.

9.2.3. Supervision

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 : Louise Benoît, started in 2009, J.Ponce.

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 : 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, J. Sivic and I. Laptev.

PhD in progress : Marc Sturzel, started in 2008, J. Ponce, A. Zisserman.

PhD in progress : Tuang Hung VU, "Learning functional description of dynamic scenes", started in 2013, I. Laptev.

9.2.4. Juries

- PhD thesis committee:
  - Nicolas Ballas , Mines Paristech, 2013 (J. Ponce (rapporteur), J. Sivic).
  - Yanal Wazaefi (Aix Marseille), 2013 (J. Ponce).
  - Anton Andriyenko, TU Darmstadt, Germany, 2013 (I. Laptev (rapporteur)).

- HDR thesis committee:
    - Ivan Laptev, ENS Ulm, 2013 (J. Ponce).
- Other:
    - ICRA 2013 best computer vision paper award committee (J. Ponce).
    - Member of the PSL Research Council (J. Ponce).
    - Chair of the CMLA AERES evaluation committee at ENS Cachan, November 2013 (J. Ponce).
    - Member of the Mathematics and Systems Unit AERES evaluation committee at Mines ParisTech, January 2014 (J. Ponce).
    - Member of the Inria postdoc selection committee, 2012- (I. Laptev).
    - Member of Conseil de Laboratoire DI, ENS, 2013 (I. Laptev).
    - Member of Inria Commission de developpement technologique (CDT), 2012- (J. Sivic).

9.3. Inria/ENS Visual Recognition and Machine Learning Summer School 2013

http://www.di.ens.fr/willow/events/cvml2013

I. Laptev, J. Ponce and J. Sivic (together with C. Schmid, Inria Grenoble) co-organized a one week summer school on Visual Recognition and Machine Learning. The summer school, hosted by ENS, attracted 177 participants from 34 countries (28% France / 32% Europe / 40% other countries (including Australia, Brazil, Canada, China, India, Israel, Japan, Malaysia, Saudi Arabia, Singapore, South Korea, Turkey and USA)), and included Master students, PhD students as well as Post-docs and industrial participants. The summer school provided an overview of the state of the art in visual recognition and machine learning. Lectures were given by 14 speakers (5 USA, 1 UK, 1 Austria, 1 Germany, 6 France), which included top international experts in the area of visual recognition (J. Malik, UC Berkeley, USA; M. Hebert, CMU, USA; K. Grauman, UTexas, USA, A. Oliva, MIT, USA; Y. LeCun, NYU, USA; . Zisserman, Oxford, UK / WILLOW). Lectures were complemented by practical sessions to provide participants with hands-on experience with the discussed material. In addition, a poster session was organized for participants to present their current research.

9.4. Invited presentations

- I. Laptev, Invited talk at the 1st Workshop on Understanding Human Activities, Sydney, Australia, Dec. 2013.
- I. Laptev, Invited talk at the IEEEWorkshop on Decoding Subtle Cues from Social Interactions, Sydney, Australia, Dec. 2013.
- I. Laptev, Invited talk at the Int. Workshop on Action Similarity in Unconstrained Videos, Portland, Oregon, USA, June 2013.
- I. Laptev, Seminar at Technicolor, Paris, France, June 2013.
- I. Laptev, Seminar at TU Dadmstadt, Darmstadt, Germany, May 2013.
- I. Laptev, Seminar at Xerox Research Centre Europe, Grenoble, France, March 2013.
- I. Laptev, Seminar at University of Washington, Seattle, USA, Feb. 2013.
- J. Ponce, Invited talk at the 2013 Polaris Colloquium, Lille, January 2013
- J. Ponce, Invited talk at the The Google cultural center, June 2013
- J. Ponce, keynote speaker at the 2013 Annual Workshop of the Austrian Association for Pattern Recognition in Innsbruck, May 2013
- J. Ponce, 20th anniversary distinguished speaker at the Xerox Research Centre Europe in Grenoble, July 2013

- J. Sivic, ICCV AC workshop, Oxford, August 2013.
- J. Sivic, Seminar at Ecole Centrale, Paris, September 2013.
- J. Sivic, Invited talk at the Int. Workshop on Visual Analysis and Geo-Localization of Large-Scale Imagery, CVPR 2013, June 2013.
- J. Sivic, Invited talk at the 1st IEEE Workshop on Visual Analysis beyond Semantics, CVPR 2013, June 2013.
- J. Sivic, Invited talk at the IST Austria Symposium on Computer Vision and Machine Learning, Vienna, Austria, Sep. 2013.
- J. Sivic, Invited talk at the Workshop on Large-scale video search and mining, ICCV 2013.

9.5. Popularization

- J. Ponce participated in the iMatch meeting at Futur en Seine, June 2013
- J. Sivic participated in the CityLabs@Inria presentation at Futur en Seine, June 2013