



RESEARCH CENTER

FIELD

Perception, Cognition and Interaction

Activity Report 2014

Section Popularization

Edition: 2015-03-26

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DAHU Project-Team

9.3. Popularization

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

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

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

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

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

DREAM Project-Team

9.3. Popularization

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

EXMO Project-Team

8.3. Popularization

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

GRAPHIK Project-Team (section vide)

LINKS Team

8.3. Popularization

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

MAGNET Team

9.3. Popularization

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

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

MAIA Project-Team

9.3. Popularization

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

OAK Project-Team

8.3. Popularization

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

ORPAILLEUR Project-Team (section vide)

SMIS Project-Team

9.3. Popularization

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

WIMMICS Project-Team

9.3. Popularization

Fabien Gandon

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

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

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

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

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

ZENITH Project-Team

9.3. Popularization

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

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

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

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

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

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

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

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

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

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

ALICE Project-Team

8.3. Popularization

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

AVIZ Project-Team

9.3. Popularization

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

HYBRID Project-Team

9.3. Popularization

- Massive media coverage of the “Mind-Mirror” system : following a press conference and press release organized in May 2014. This ended up with numerous appearances in the media (TV, Press, Radio).
- Other regular and numerous appearances of the team results and activity at: French TV (e.g., France5, France 3, France 2) or newspapers and journals (e.g., articles in "Archeologia" (Feb 2014) and "Science et Avenir" (Aug 2014) on "Virtual Reality and Archaeology").
- "Journées Science et Musique" 2014 (Rennes, Oct 2014) : organization of this event, and presentation of several demos of the team in Immersia room, Rennes.
- "Journée Nationales d'Archéologie" 2014 (Rennes, June 2014) : organization of this event, and presentation of several demos, Rennes.
- Participation at "Forum Libération" (Rennes, April 2014) : presentation of Anatole Lécuyer.
- Participation at "LE WEB 2014" Conference (Paris, Dec 2014) : demos of the FLYVIZ system.

IMAGINE Project-Team

9.3. Popularization

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

IN-SITU Project-Team

8.3. Popularization

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

MANAO Project-Team (section vide)

MAVERICK Project-Team

7.3. Popularization

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

MIMETIC Project-Team (section vide)

MINT Project-Team

9.3. Popularization

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

POTIOC Project-Team

9.3. Popularization

Popularization talks

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

REVES Project-Team

9.3. Popularization

9.3.1. Popularization, Invited Talks

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

9.3.2. Demos

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

TITANE Project-Team (section vide)

ALPAGE Project-Team

9.3. Popularization

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

MULTISPEECH Team

9.3. Popularization

Panelist at a public meeting of the SAILOR consortium on the topic of “Imagining new places to live”, University of Lorraine, April 2014 (E. Vincent).

Demonstration at Journée Sciences et Musique, IRISA Rennes, October 2014 (N. Souviraà-Labastie, E. Vincent).

Vulgarization of music signal processing at Inria to students of the Lycée Loritz, June 2014 (Y. Laprie, A. Liutkus)

PANAMA Project-Team

9.3. Popularization

9.3.1. *Journée science et musique*

Participants: Anaik Olivero, Jules Espiau de Lamaestre, Pierre Machart, Gilles Puy, Nancy Bertin, Frédéric Bimbot, Rémi Gribonval, Corentin Guichaoua, Srdan Kitic, Stéphanie Lemaile, Nicolas Keriven, Ewen Camberlein, Romain Lebarbenchon, Luc Le Magoarou, Nathan Souviraà -Labastie.

PANAMA coordinated the organization of a public event called “Journée Science et Musique” (Day of Music and Science). This yearly event organized by the METISS/ PANAMA Team since 2011 aims at sharing with the wide audience the latest innovations and research projects in music. The motivation for hosting this event is to explain and promote the technology behind audio-processing that people face in their daily lives. The event is free to everyone and people have the possibility to attend talks by selected speakers or meet numerous experts that demonstrate current projects in which people can interactively participate. Edition 2014 hosted 260 visitors.

9.3.2. *Radio and press*

Nancy Bertin and Rémi Gribonval co-authored a popularization article about compressed acoustic holography (with L. Daudet and F. Ollivier). It was accepted by the journal "Pour la Science" for publication in 2015.

Nancy Bertin, Jules Espiau and Rémi Gribonval (with L. Daudet, A. Bordenave and Inria audiovisual department) participated in the realization of a pedagogical video presenting the ANR ECHANGE project results on acoustic holography <http://videotheque.inria.fr/videotheque/embed/25816>.

Jules Espiau and Pierre Machart were interviewed in a one-hour scientific radio show on Radio Prune (radio of the Nantes region) at the occasion of the "Journée Science et Musique".

SEMAGRAMME Project-Team

8.3. Popularization

- Maxime Amblard is member of the editorial board of *interstice* (i), a french revue popularisation for computer sciences (<http://interstices.info>). He is the head of the rubric *informatique -ou presque-dans les films*.
- Maxime Amblard gave an interview for the *journal du CNRS* about Real Humans (a television drama series), may 2014.
- Maxime Amblard has participate to a television report about the SLAM project for *France 3 Lorraine*, may 2014.
- Maxime Amblard wrote an article about the SLAM project for the *Journal du CNRS*, january 2014.
- In November, Bruno Guillaume has demonstrated the prototype ZombiLingo and Jiří Maršík the ACGTK graphical output during the “Forum Sciences Cognitive” in Nancy.
- Jiří Maršík has participated to the regional final of the competition *Ma thèse en 180 secondes*.
- Jiří Maršík gave a talk to high school students at the Summer Camp of Mathematics and Physics (Letní matematicko-fyzikální soustředění) about treating words as fractions and algebraic expression where syntacticality is verified by cancelling out, Faculty of Mathematics and Physics of the Charles University (Matematicko-fyzikální fakulta Univerzity Karlovy).

E-MOTION Project-Team (section vide)

FLOWERS Project-Team

9.3. Popularization

IniRobot: Development, evaluation and dissemination of the IniRobot program for initiating young kids (primary schools) to computer science and robotics. This has been used and deployed in several major towns in France, including Lille, Talence and Lormont. Several days of formation for teachers have been organized to foster dissemination. The kit is Creative Commons, and available on the dedicated web site created: <https://dm1r.inria.fr/c/kits-pedagogiques/inirobot>

PY Oudeyer gave a TedX talk in Cannes, explaining open-source developmental robotics, <https://www.youtube.com/watch?x-yt-ts=1421828030&x-yt-cl=84411374&v=AP8i435ztwE>

PY Oudeyer gave several interviews in the general press (e.g. Le Monde, Les Echos, Sciences et Avenir) to explain societal issues of robotics, <http://www.pyoudeyer.com/press/>

PY Oudeyer wrote three popular science articles to explain societal issues of robotics:

- "What can we learn about development from baby robot" <http://www.pyoudeyer.com/WhatDoWeLearnFromBabyRobotsOudeyer2015.pdf>
- Oudeyer, P-Y. (2014) Robotique: les grands défis à venir, Futuribles, Mars 2014 <http://www.pyoudeyer.com/PYOudeyerRobotFuturibles14.pdf>.
- Oudeyer, P-Y. (2014) Des abeilles aux sources de la parole, in Breve de Maths, Mathématiques pour la planète terre, Nouveau monde editions, <http://www.breves-de-maths.fr/des-abeilles-aux-sources-de-la-parole/>.

06/02/2014 : "Developmental Robotics - Learning objects by interaction", David Filliat, Invited conference, Institut Bull, Réunion du groupe de réflexion CEM "Cerveaux et machines"

6-8/02/2014 : Aquitec, Yoan Mollard presented the Poppy platform to students and visitors

18-20/03/2014 : Innorobo 2014, Yoan Mollard and Steve N'guyen presentend the projects Poppy and 3rd hand

11/04/2014 : "Semantic Mapping", David Filliat, Invited Conference, Laboratoire Imagine, Ecole Nationale Supérieure des Ponts et Chaussées

20-22/06/2014: Poppy has been presented in the Paris Makerfair and obtained a "maker of merit" award.

2-8/07/2014: Demonstrations of Poppy took place at the FAB10 conference in Barcelona, the biggest conference about the maker revolution. Poppy was among the ten finalists for the Fablab award.

4-5/09/2014: Clement Moulin-Frier, Steve N'Guyen and Pierre Rouanet participated to a Hackathon in "cité des sciences" about programming the Poppy humanoid platform.

11/10/2014: Robotics animations for the "Fete de la science" at ENSTA ParisTech,

17/10/2014 : "Robots and Social Interaction Decisions - Developmental robotics", David Filliat, Invited presentation for the ITechLaw 2014 conference.

25-28/10/2014: Clement Moulin-Frier and Pierre Rouanet presented the Poppy platform and the associated libraries - pypot and explauto - to the PyConFR2014 conference and organised of a Hackathon.

19-21/11/2014: Clement Moulin-Frier, Nicolas Rabault, and Pierre Rouanet presented the Poppy platform to the fossa 2014 conference.

10/12/2014: Robotics demonstration for "Science Break" organised by Diagonale Paris Saclay : <http://sciencebreak.ladiagonale-paris-saclay.fr>

Clément Moulin-Frier contributed to a scientific diffusion paper in the French journal *Biofutur* about the use of robotics in the study of language evolution and acquisition: <http://www.biofutur.com/anciens-numeros>. <https://hal.archives-ouvertes.fr/hal-01100048>

Fabien Benureau supervised two students in 3rd year of the Cognitive Science major at the University of Bordeaux on their TER project. The project used Poppy, exploring how the attitude towards robots influences how humans recognise the emotion they try to express. Poppy having no facial expression — or face — yet, the students expressed the five expressions they selected (anger, surprise, joy, sadness, disgust) with body movements alone. They videotaped the sequences of movements (videos are available here http://python.sm.u-bordeaux2.fr/ter/2014/sc/desprez-zerdoumi/?page_id=289) and created an experiment asking volunteers to guess which emotion was displayed. The form also included the Negative Attitude towards Robots Scale (NARS), to investigate the possible correlation between fear of robot and the ability to identify their emotional attitude. The results showed no correlation between the two, although it was admitted that the experiment would have to be improved and ran again before any conclusion could be made.

HEPHAISTOS Team

8.3. Popularization

- M. Gautier has participated to the Fête de la science CIV, to the Carrefour des métiers Nice and has proposed a programming initiation to a 6ème class in view of the participation to the Junior Robotics Pobot Cup.
- Y.Papegay is actively participating to the Math.en.Jeans initiative for Mathematics teaching for undergraduate students.
- we extensively us the MARIONET-SCHOOL robots for pedagogy and teaching at all level.
- J-P. Merlet has given several national newspapers and TV interviews

LAGADIC Project-Team

9.3. Popularization

- Due to the visibility of our experimental platforms, the team is often asked to present its research activities to students, researchers or industry. Our panel of demonstrations allows us to highlight recent results concerning the positioning of an ultrasound probe by visual servoing, the construction of a tower by combining 3D model-based visual tracking and visual servoing techniques to pick up cubes that are assembled, vision-based detection and tracking for space navigation in a rendezvous context, the semi-autonomous navigation of a wheelchair, and augmented reality applications.
- Marie Babel and François Pasteau gave a press conference in December 2014, organized at Pôle Saint Hélier (Rennes)
- Marie Babel gave a talk on "A driving assistance solution" in October 2014, during the "Semaine des Télécoms - Robotique et objets connectés" organised at Insa Rennes
- Fabien Spindler is a member of the editorial board of "Ouest Inria", the internal journal at Inria Rennes-Bretagne Atlantique.

RITS Team

9.3. Popularization

Several members of the team have participated in:

- The exhibition Futur-en-Seine (June 12-22 2014).
- The final Demonstration of Link & Go Project: Automated driving functionalities and SLAM, September 2014 at Magny les Hameaux, France.
- Showcase of CityMobil2: Autonomous maneuver in urban scenarios. September 2014, at Leon, Spain.
- Showcase of CATS project: Autonomous functionalities. October 2014, at Ploiesti, Rumania.
- Large-scale demonstration of automated transport of CityMobil2, December 2014, at La Rochelle.

AYIN Team

8.3. Popularization

- Aurélie Boisbunon is the representative of PhD students and postdocs at the Mediation and Animation commission (MASTIC) of Inria Sophia Antipolis.
- Aurélie Boisbunon gave talks about machine learning and image processing to high school students and junior high school students for the MathsC2+ training course and for the Fête de la Science 2014.
- Aurélie Boisbunon is participating in a project with junior high school students from Collège Nucéra, in Nice, aiming at giving an introduction to programming and robotics.
- Josiane Zerubia gave a talk on aerial and satellite image processing to high school students in Physics at Valbonne International Center during the “Fête de la Science 2014.”
- Josiane Zerubia presented Inria and Inria-SAM to interested PhD and post-doc students at Inria booth during ICIP’14 in Paris as well as Mc Master University in Canada, University of Szeged and MTA SZTAKI in Hungary.
- Josiane Zerubia is organizing a monthly scientific seminar at Inria-SAM with national and international speakers (see <https://team.inria.fr/ayin/ayinseminars/>).

LEAR Project-Team

9.5. Popularization

- Zaid Harchaoui and Martin Jaggi published in the Mathematical Optimization Society newsletter “Optima” an interview of Marguerite Frank, co-inventor of the Frank-Wolfe algorithm for constrained optimization, with a companion historical survey.
- Julien Mairal, Francis Bach, and Jean Ponce have published a monograph [24] “Sparse Modeling for Image and Vision Processing”, to appear in Foundations and Trends in Computer Graphics and Vision.
- Together with other students in LJK, Mattis Paulin did an interview of Emmanuel Candes for his award of the Prix Jean Kuntzmann in June 2014. The interview will soon be published in Journal du CNRS.

LINKMEDIA Project-Team

9.4. Popularization

Laurent Amsaleg. Lettre d'information Émergence, issue 32, 11/07/2014, "Un outil pour fouiller plus vite les disques durs saisis".

Laurent Amsaleg. Sciences Ouest, issue 324, October 2014, "Ils repèrent les contenus illicites".

Vincent Claveau co-organized and co-animated a round table held during the TALN conference about the evolution of NLP, from the points of view of education, research and industry.

Hervé Jégou was invited panelist at Intl. Conf. on Multimedia Retrieval, April 2014.

Hervé Jégou gave an invited tutorial on large-scale image search at Intl. Conf. on Multimedia Retrieval, April 2014.

Hervé Jégou gave a tutorial on efficient matching at Conf. on Computer Vision and Pattern Recognition, June 2014.

Hervé Jégou was invited speaker at Conf. on Computer Vision and Pattern Recognition, June 2014.

Pascale Sébillot: Invited speaker (3h) NLP tackling large volumes of potentially damaged textual data: what is different?, IST Inria seminar on "Big data: new information partitions", October 2014.

MAGRIT Project-Team

9.3. Popularization

Members of the team participate on a regular basis, to scientific awareness and mediation actions. Erwan Kerrien heads the local Scientific Mediation Committee. He also serves as the academic referent of an IREM⁰ working group aiming at introducing computer science in secondary and high school curricula. Among other activities, he was also an associate researcher to a MATH.en.JEANS workshop.

⁰Institut de Recherche sur l'Enseignement des Mathématiques - *Research Institute for Teaching Mathematics*

MORPHEO Project-Team

9.3. Popularization

- Franck Hétroy-Wheeler gave a talk to high school math teachers entitled: “Digital geometry: from real to virtual worlds”. This talk has then been adapted and given to a 11th grade class.

PERCEPTION Project-Team (section vide)

PRIMA Project-Team

8.3. Popularization

- James Crowley participated in the Radio emission Science Publique presented by Michel Alberganti on Radio France Culture on Friday 21 February from 14h00 to 15h00. Theme of the program: "Should we fear intelligent robots?"
- Patrick Reignier was interviewed by a journalist of Science et Vie for a paper on Artificial Intelligence

SIROCCO Project-Team

9.4. Popularization

- A. Roumy participated in the in-service training for teacher in Computer Science (Informatique et Science du Numérique (ISN), level bac -1 to bac+2) and gave a 3h course on video and image compression.
- As part of a seminar dedicated to teachers of secondary and preparatory schools, Laurent Guillo presented a possible use of Agility methods for pupils' projects and he animated the related workshop, ENS Rennes, October 2014.

STARS Project-Team

9.3. Popularization

François Brémond was invited to give a talk at Conférence des métiers at International Lycée (CIV) in Sophia 27 January 2014.

François Brémond was interviewed by Nice Matin on CoBTeK and Alzheimer issues, Opening of ICP, 10 March 2014.

François Brémond was interviewed by Monaco TV on MONAA and Autism issues, 12 March 2014.

François Brémond has participated to the ERCIM News 98 -Special theme: Smart Cities, July, 2014.

Guillaume Charpiat was part of the popularization MASTIC committee.

WILLOW Project-Team (section vide)