

# **Activity Report 2015**

# **Section Popularization**

Edition: 2016-03-21

DISTRIBUTED SYSTEMS AND MIDDLEWARE
1. ASAP Project-Team
2. ATLANMODELS Team (section vide)
3. CIDRE Project-Team
4. COAST Project-Team 8
5. CTRL-A Team (section vide)9
6. MIMOVE Team (section vide)
7. MYRIADS Project-Team 11
8. REGAL Project-Team
9. SCALE Team
10. SPIRALS Project-Team 14
11. WHISPER Project-Team
DISTRIBUTED AND HIGH PERFORMANCE COMPUTING
12. ALPINES Project-Team (section vide)
13. AVALON Project-Team
14. HIEPACS Project-Team
15. KERDATA Project-Team
16. MESCAL Project-Team
17. MOAIS Project-Team (section vide)
18. ROMA Project-Team
19. STORM Team
20. TADAAM Team
DISTRIBUTED PROGRAMMING AND SOFTWARE ENGINEERING
21. ASCOLA Project-Team (section vide)
22. DIVERSE Project-Team   26
23. FOCUS Project-Team
24. INDES Project-Team (section vide)
25. PHOENIX Project-Team
26. RMOD Project-Team       30
27. TACOMA Team
NETWORKS AND TELECOMMUNICATIONS
28. COATI Project-Team
29. DANTE Project-Team (section vide)
30. DIANA Project-Team
31. DIONYSOS Project-Team
32. DYOGENE Project-Team (section vide)
33. EVA Team
34. FUN Project-Team
35. GANG Project-Team
36. INFINE Team
37. MADYNES Project-Team

38. MAESTRO Project-Team	42
39. MUSE Team (section vide)	43
40. RAP Project-Team (section vide)	44
41. SOCRATE Project-Team (section vide)	. 45
42. URBANET Team	46

# **ASAP Project-Team**

# 9.3. Popularization

Anne-Marie Kermarrec wrote three articles on women in computer science: on the blog of the SIF Binaire in March 2015.

# ATLANMODELS Team (section vide)

#### **CIDRE Project-Team**

### 10.3. Popularization

Guillaume Piolle has participated to two scientific popularization activities, both oriented towards secondary education pupils. In both cases, his participation consisted in presentations about the objectives, methods and results of research activities in computer security and privacy (including, but not limited to our activities in CIDRE):

- Les cordées de la réussite : national program aimed at facilitating access to higher education for pupils from various social backgrounds ;
- Bilateral scientific mediation action between CentraleSupélec and the Joliot-Curie high school in Rennes

Other kinds of popularization activities have taken place in the form of communications aimed at non-academic computing professionals, on the topic of personal data protection regulations and techniques [24], [20].

Sébastien Gambs was also involved in several events dedicated to the public at large such as a presentation at le Pouce (https://iww.inria.fr/ouest-inria/le-pouce-bilan-et-perspectives/).

# **COAST Project-Team**

- In 2015, Claudia-Lavinia Ignat participated at "Le Village des Sciences" at Loria.
- François Charoy has been invited to participate to a panel at Grand Est Numérique 3

# CTRL-A Team (section vide)

# MIMOVE Team (section vide)

### **MYRIADS Project-Team**

- Martin Quinson organized a 2-days workshop for secondary maths teachers on how algorithms
  could be used to reinforce the pupils abilities to verbalize, set out arguments and conduct rigorous
  demonstrations (Nancy, March 2-3 2015). This workshop was co-organized by the IREM (Institut
  de Recherche en Enseignement des Mathématiques) of Nancy.
- Martin Quinson gave a talk entitled "Computational Science: the real societal impact of computers", during the workshop presented in previous item (Nancy, March 3th 2015).
- Martin Quinson co-organized a one day workshop for about 100 secondary computer science teachers. This event spreads the best practices to teach our topic (Nancy, March 12th 2015).
- Martin Quinson was a scientific expert in an experiment in which we explored how Scratch can be used to teach Computer Science in after school activities every week for the whole week.
- Martin Quinson is a scientific expert in a teaching manual of Computer Science for primary schools, currently authored within the «La main à la pâte» research network. This manual will be released in 2016
- Martin Quinson organized a collaborative workshop on Wikipedia gathering students and researchers to improve the French speaking pages on Computer Science in the free encyclopedia (Rennes, December 10, 2015).

# **REGAL Project-Team**

# 9.3. Popularization

Sébastien Monnet is responsible for the Science Festival at UPMC for the LIP6. Sébastien Monnet and Julien Sopena animated an activity during the Science Festival 2015.

#### **SCALE Team**

- Françoise Baude is in charge since September 2011 of the set up and animation of an educational
  program *Cordées de la Réussite*, which in 2015 has launched a robotic project around the humanoid
  robot named Poppy. Since 2013, she is in charge of the AVOSTII-STI2D program implementation for
  Polytech'Nice Sophia, requiring adverstising high-school pupils for engineering studies, in particular
  in ICT.
  - As EIT Digital Master School University of Nice Sophia-Antipolis coordinator, she is in charge of publicizing, orchestrating, and reporting about all the EIT Digital master programmes involvement of UNS (Internet and Technology Architecture, and Data Science programmes); and as part of the *Paris Node comité de pilotage*, to follow French activities within EIT Digital, and report about UNS activities within this KIC. Overall this mission required about four full-time months of work in 2015. She presented these two master programs at the Telecom Valley Innovation meeting on March 27th and June 18 2015, and in more details at the Kick-Off meeting of the Master School organized in Eindhoven for master students, on October 23th 2015.
  - She has been invited at the round table "Mystérieuses Big Data" on november 230th that was organized for the 50th anniversary of UNS.
- Fabrice Huet is in charge, since 2011, of the *Informatiques et Sciences du Numérique* courses for the academia of Nice. These courses are offered to high school teachers who volunteer to offer a Computer Science option to their students. He has also given seminars in high school during the FÃ ate de la Science.

### **SPIRALS Project-Team**

### 10.3. Popularization

**Julien Duribreux** and **Antoine Veuiller** has given a demonstration of the APISENSE<sup>®</sup> crowd-sensing platform (see Section 6.1) at the RIC day in September. The event targets students from computer science master programs and engineering schools in Lille.

**Loïc Huertas** has participated in June to Rencontres Inria Industries (RII) Futur en Seine organized by the Paris Rocquencourt research center where he presented the PowerAPI software library (see Section 6.2) for energy monitoring of software systems.

**Lionel Seinturier** has participated in October to the event Chercheur itinérant organized by the Inria Lille Nord Europe research center in the context of La Fête de la science. Two classrooms (2nde and 1ère) have been visited. The theme of the visit was crowd-sensing and data gathering from mobile devices.

### **WHISPER Project-Team**

### 10.3. Popularization

Julia Lawall presented a tutorial on Coccinelle at the 2015 KVM Forum in Seattle, Washington, USA in August 2015 ("Getting Started with Coccinelle (KVM edition)", http://kvmforum2015.sched.org/)

Julia Lawall organized a Development Tools Tutorial microconference at the 2015 Linux Plumbers Conference in Seattle, Washington, USA in August 2015 (http://linuxplumbersconf.org/2015/ocw/events/LPC2015/tracks/423). She also gave a talk "Introduction to Coccinelle" at that event.

Julia Lawall served on the program committee for the joint Linuxcon Linux Plumbers session at Linuxcon 2015, and on the program committee of the 17th Real Time Linux Workshop (industry workshop).

Julia Lawall served as a mentor for the Linux kernel in the Outreachy internship program for women and other underrepresented groups in winter and summer 2015 (https://www.gnome.org/outreachy). She also served as the Linux kernel coordinator for the Outreachy internship program, and organized panel presentations about the program at LinuxCon North America in Seattle, Washington, USA in August 2015 (http://events.linuxfoundation.org/events/archive/2015/linuxcon-north-america), and at LinuxCon Europe in Dublin, Ireland in October 2015 (http://events.linuxfoundation.org/events/archive/2015/linuxcon-europe).

Julia Lawall participated in the Linux Kernel developer panel at LinuxCon Europe in Dublin, Ireland in October 2015 (http://events.linuxfoundation.org/events/archive/2015/linuxcon-europe).

# **ALPINES Project-Team** (section vide)

### **AVALON Project-Team**

#### 10.3. Popularization

Eddy Caron has participated to the following interview:

• Interview for NSmag N°9, Editeur: Imaginove. «Pipeline de production: Optimisation des temps de calcul et parallélisme». January 2015.

Laurent Lefevre has participated to the following interviews and publications:

- Interview for Sciences pour tous, "Le numérique écologique, c'est possible ?", "A digital ecological world, is it possible ?", September 2015.
- Interview : "Internet au bord de la saturation ?", Le MAG de la Science, Science et Vie TV, 26 Septembre 2015
- Interview: "Comment Internet pollue (vraiment) la planète", BFM Business, May 29, 2015
- Interview Industrie et Technologies: Un blackout d'Internet en 2023 ? 5 raisons de ne pas y croire", May 13, 2015
- Interview in "Le Monde" NewsPaper: "Internet congestionné d'ici à 2023? Pas si vite!", May 12, 2015
- Interview in "#2020 program", "Internet Crunch": La mort du web est pour 2023", Mouv' Radio, May 12, 2015
- Combined Short papers in "Liberation NewsPaper" and "CNRS Le Journal" : "Le Big Data est il polluant ?", Laurent Lefevre, Jean-Marc Pierson, April 3, 2015
- Interview in Sciences et Avenir Journal: "Coup de chaud sur les data centers", Number 816, February 2015

Olivier Glück has participated to the following interview:

• Interview for Radio France Mouv in LE 20#20 radio broadcasting on "La mort du web & Naruto", 12 mai 2015 20h30. Podcast http://www.mouv.fr/player/reecouter?play=198336

### **HIEPACS Project-Team**

### 10.3. Popularization

In the context of HPC-PME initiative, we started a collaboration with ALGO'TECH INFORMATIQUE and we have organised one of the first PhD-consultant action implemented by Xavier Lacoste led by Pierre Ramet. ALGO'TECH is one of the most innovative SMEs (small and medium sized enterprises) in the field of cabling embedded systems, and more broadly, automatic devices. The main target of the project is to validate the possibility to use the sparse linear solvers of our team in the area of electromagnetic simulation tools developed by ALGO'TECH.

The HIEPACS members have organized the PATC training session on Parallel Linear algebra at CINES in Montpellier April 9-10, 2015.

### **KERDATA Project-Team**

### 10.3. Popularization

#### Luc Bougé:

- Collège international, Valbonne. Invited presentation to the students of the preparatory classes on *Doing research in computer science* (January 2015).
- Lycée Chateaubriand, Rennes. Invited presentation to the students of the preparatory classes on *Science of numerics* (March 2015).
- IRISA Conf Lunch Program. Invited presentation about *Surviving the Data Deluge* (October 2015).
- Master Program, Rennes. Invited presentation to the M2 students about *Informatics as a scientific activity: Toward a responsible research* (December 2015).
- IRISA Open House Days, Rennes. Invited presentation about *Wikipedia back stage*, and management of an open booth to let visitors improve their skills about searching Wikipedia (December 2015).

#### Alexandru Costan:

- CumuloNumBio'15, Aussois. Invited presentation at the *Summer School of BioInformatics* about *Big Data Management on Clouds* (June 2015).
- IRISA, Rennes. Invited presentation at the *Conf'Lunch* about *Clouds and MapReduce Programming* (October 2015).
- EIT Digital, Rennes. Invited presentation at the Future Cloud Symposium about *Enhancing video gaming user experience with Big Data analytics based on Apache Flink a use case* (October 2015).

#### Gabriel Antoniu:

EIT Digital. Invited presentation at the Future Cloud Symposium on *Scalable data-intensive* processing for science on distributed clouds (October 2015).

# **MESCAL Project-Team**

- fête de la science: atelier sciences manuelles du numérique.
- MathC2+: sciences manuelles du numérique.
- Interventions dans des classes de seconde sur la simulation simcity.
- Participation à l'IREM de Grenoble, groupe algorithmique.

# MOAIS Project-Team (section vide)

# **ROMA Project-Team**

# 10.3. Popularization

Loris Marchal led a "Math en Jeans" workshop at "Lycée Lacassagne" in Lyon.

Frédéric Vivien gave two lectures about "Scheduling" at the CIRM "Algorithmique et programmation" workshop for Maths teachers in *Classes préparatoires aux grandes écoles*. The two lectures were recorded and are available online (http://library.cirm-math.fr/Record.htm?Record=19278406157910966889).

#### **STORM Team**

- Olivier Aumage gave a tutorial on task-based runtime systems at the HiPEAC conference in Amsterdam in January 2015.
- Olivier Aumage participated to the Inria Booth at the SuperComputing conference in Austin in November 2015.
- Samuel Thibault gave a talk at the ELCI Workshop in Paris.
- Samuel Thibault published a paper « L'accessibilité partout ! Retour d'expérience sous Debian » in the professional « Programmez ! » journal.

#### **TADAAM Team**

### 9.3. Popularization

Brice GOGLIN is in charge of the diffusion of the scientific culture for the Inria Research Center of Bordeaux. He gave numerous talks about high performance computing and research careers to general public audience and school student. He is also involved in the popularization of computer programming and robotics programming and gave several wide audience seminar on these topics.

François Pellegrini was invited to give a talk about privacy and information security by the students of ENS Bretagne at Rennes, in the context of their "EntretiENS" conference program.

François PELLEGRINI was a member of the jury of the Student Demo Cup at the Paris Open-Source Summit.

# **ASCOLA Project-Team** (section vide)

### **DIVERSE Project-Team**

### 10.3. Popularization

Benoit Combemale participated to the "Inria Industry meeting" focused on "Power Transition", as part of the Futur en Seine festival. He presented the results of the collaboration with Obeo and INRA on the use of domain-specific languages for resource management.

Our research about browser fingerprinting have appeared in the MISC magazine (a French, general-audience magazine about technology and cyber-security) [75] and have been showcased at ICT'15 (a large European forum that gathers EU policy makers, industry and academics in the area of ICT) and at IRISA's open house.

### **FOCUS Project-Team**

### 9.3. Popularization

Simone Martini has carried out extended work of scientific divulgation:

- member of the technical committee of Olimpiadi del Problem Solving (at Italian Ministry of Education), http://www.olimpiadiproblemsolving.com;
- member of the technical committee of two national projects of Italian Ministry of Education, founded by ESF European Social Fund: 'Robotica educativa', and 'Informatica nei licei';
- various talks at institutes and workshops on the teaching methods for Computer Science.
- coordinator of some initiatives for the 'Hour of Code', see <a href="https://italia.code.org/">https://italia.code.org/</a> and <a href="https://www.programmailfuturo.it">http://www.programmailfuturo.it</a>.

D. Hirschkoff takes part in several popularization activities in schools, in Lyon (association "Maths en Jeans").

#### 9.3.1. Other duties

Simone Martini is a member of the Board of CINI (Italian National Interuniversity Consortium for Informatics), designated by the Ministry for Semplificazione e Pubblica Amministrazione, from 2015.

Simone Martini has been elected Head of the Department of Computer Science and Engineering, Università di Bologna, for the term 2015-2018.

Davide Sangiorgi is coordinator of undergraduate studies at the Department of Computer Science and Engineering, Università di Bologna (Informatica per il Management).

# **INDES Project-Team** (section vide)

### **PHOENIX Project-Team**

- Hélène Sauzéon. "Assistance numérique pour soutenir les activités quotidiennes des personnes âgées et/ou avec handicap cognitif." Journée de Lancement du Living Lab e-santé Aquitain. March 5, 2015, Bordeaux.
- Hélène Sauzéon. " Quels outils numériques pour les élèves avec handicap cognitif ?" Congrès FNAREN. June 24-27, 2015, Cenon.
- Hélène Sauzéon. "DomAssist : pesrpectives d'application en EPHAD." Congrès EHPAD et Innovations. July 2, 2015, Bordeaux.
- Phoenix members. Présentation de DomAssist et College+. Les rencontres Inria-Industrie sur le thème de la santé. Novembre 13, 2015, Bordeaux.
- Benjamin Bertran. Présentation de DomAssist. Colloque sur la Silver Economy. October 19, 2015, Bordeaux (200 personnes).
- Benjamin Bertran. Présentation de DomAssist / HomeAttendant, Rencontre médico-social. October 1, Limoges (80 personnes).

# **RMOD Project-Team**

- Marcus Denker gave one presentation about Pharo at the open source conference FOSDEM 2015.
- RMOD co-organized and participated at ESUG 2015.
- Multiple public Pharo Sprints in Lille.
- A MOOC for Pharo is in preparation (Stéphane Ducasse, Damien Cassou)

#### **TACOMA Team**

#### 8.3. Popularization

#### 8.3.1. Hack'Archi

Organized as part of the "Architecture de la Transformation" call for proposals, the Hack'Archi was an open workshop held in Paris-Belleville school of architecture (ENSA) on 4 and 5 December 2015. About 90 students in disciplines as diverse as architecture, sociology, urbanism and engineering gathered for this 24-hours "architectural hackathon'". Students were organized in small teams of 5 or 6 members to work on enriching the preselected projects, proposed by the social landlords.

During the Hack'Archi, Michele Dominici was the representative of the project led by NEOTOA (a french social landlord) and helped 6 students in architecture, sociology, urbanism and engineering proposing new ideas about the on-demand room. We had in charge the leadership and coordination of the students. Our team was awarded the first prize of the Hack'Archi <sup>0</sup>.

#### 8.3.2. Miscellaneous

- Atelier de l'Innovation, Fondation Rennes 1. https://fondation.univ-rennes1.fr/actualite/neotoa-nouveau-partenaire-de-la-fondation-0.
- "Un habitat très prospectif | Espace des sciences". Date accessed: 16 December 2015. http://www.espace-sciences.org/sciences-ouest/335/dossier/un-habitat-tres-prospectif.
- Pitch at "Rencontres Inria Industrie and Meito", 21 May 2015. http://videos.rennes.inria.fr/ InriaMeito2015/index-pitchInriaMEITO2015.html
- Fondation de l'Université de Rennes 1 Chaire Habitat Intelligent et Innovation. Date accessed: 16 December 2015. http://www.legrand.fr/formation/fondation-universite-rennes1-chaire-habitat-intelligent-innovation\_5746.
- Live video interview at Festival des Sciences, "Samedi en direct du plateau TV du Village des sciences'". https://www.youtube.com/watch?v=MDkKd4Pl5vQ&feature=youtu.be&t=4541.
- Website of the chair "Habitat Intelligent et Innovation". On-line since October 2015. https://fondation.univ-rennes1.fr/la-chaire-habitat-intelligent-et-innovation.

<sup>&</sup>lt;sup>0</sup>Hack' Archi: retour sur 24h d'innovations - Lab CDC. Date accessed: 16 December 2015. http://labcdc.caissedesdepots.fr/hackarchietudiants-et-professionnels-autour-dun-meme-defi/

### **COATI Project-Team**

- Vulgarization talk : N. Nisse presented a talk on "Combinatorial Games", Lycée des Remparts (classes de seconde), Marseille (April 17th, 2015).
- Fête de la Science : F. Havet presented the stand "Pavage, art et preuves" et "Magie mathématique" at Vinon-sur-Verdon, France (October 12-16, 2015); F. Havet gave the talk "La science du ballon de football" at Vinon-sur-Verdon, France (October 16, 2015).
- Semaine des Mathématiques : F. Havet presented the stand "Les maths c'est magique" at Mouans Sartoux (March 18, 2015).
- Vendredis de la Science: F. Havet conducted scientific workshops for school children (6-11 year old) on friday afternoon in Rians, France. Once a month in March, April, May, June 2015, and weekly since November 2015.
- Jean-Claude Bermond presented a talk on the impact of big data on the telecommunications services and networks for banks investors at Paris, France (April 10 2015).

# **DANTE Project-Team** (section vide)

### **DIANA Project-Team**

### 9.3. Popularization

Chadi Barakat presented ACQUA at the Scientific Day of the Afnic (JCSA 2015). See https://www.afnic.fr/fr/l-afnic-en-bref/actualites/actualites-generales/9333/show/jcsa15-retour-sur-la-journee-du-conseil-scientifique-de-l-afnic-2015.html.

Walid Dabbous was invited again in october 2015 to present Future Internet challenges to high school students at CIV for the Science Week (Fête de la science).

Arnaud Legout presented at lycée Amiral de grasse to students in première and terminale a conference on privacy in the Internet in April 2015.

Damien Saucez has made a speech on the reproducibility of experimentation at the Journée Cloud 2015 of the GdR RSD Cloud Action Transverse (see <a href="https://rsd-cloud.lip6.fr/journee.html">https://rsd-cloud.lip6.fr/journee.html</a>).

### **DIONYSOS Project-Team**

- In [80], [83], Bruno Tuffin and his co-author Patrick Maillé discuss for a large audience the issues and challenges of network neutrality.
- Bruno Sericola and Emmanuelle Anceaume made a presentation to students of the ENS (Ecole Normale Supérieure) Rennes on their works on the performance evaluation of data streaming analysis algorithms.
- G. Rubino makes regular presentations to high school students about the research work in general, and specific technical topics in particular. Current talks:
  - Randomness as a tool
  - Internet as a research problem
  - Great challenges in maths: the Riemann Hypothesis
  - Great challenges in math/computer science: the "P versus NP" problem

# **DYOGENE Project-Team** (section vide)

#### **EVA Team**

#### 10.3. Popularization

#### 10.3.1. Web Presence

- https://team.inria.fr/eva/
- https://twitter.com/InriaEVA

#### 10.3.2. Demos

- We deployed a 15-mote network at the SolutionsCOP21 expo at the Grand Palais in Paris, held alongside the COP21 meeting, 4-10 December 2015. French President Francois Hollande and Minister of Research Thierry Mandon came by the demo.
- The EVA team organized several demonstrations of wireless sensor networks for undergraduates who visited Inria in February and December 2015.

#### 10.3.3. Talks

- The Rise of the Industrial IoT! Inria-DGA day, Paris, France, 15 October 2015, **Thomas Watteyne**.
- Wireless In the Woods: Monitoring the Snow Melt Process in the Sierra Nevada. "demi-heure de la science" seminar. 3 September 2015, Rocquencourt, France, **Thomas Watteyne**.
- From Smart Dust to 6TiSCH: building the Industrial Internet of Things. 4th International Symposium on Sensor Science (I3S), 13-15 July 2015, Basel, Switzerland, **Thomas Watteyne**.
- Reaching Industrial-class Reliability with a Converged IPv6 Network in the Smart Building. Joint presentation with Pascal Thubert (Cisco). MEITO day on Smart Buildings, 21 May 2015, Rennes, France, **Thomas Watteyne**.
- OpenWSN: Having FUN with TSCH and the IoT-LAB. FUN research team seminar, Inria-Lille, 3 April 2015, Lille, France, **Thomas Watteyne**.
- Determinism in the IoT: the example of 6TiSCH and OpenWSN. IRTF T2TRG meeting, 22 March 2015, Dallas, TX, USA, **Thomas Watteyne**.

#### 10.3.4. Panels

• Thomas Watteyne chair, panel on "Sensing and Networking", Inria@Silicon Valley annual workshop (BIS), 13 May 2015, Berkeley, CA, USA.

#### 10.3.5. In the News

- Article on IPSO CHALLENGE 2015, Inria-Paris Newsletter, 15 December 2015.
- Interview of **Thomas Watteyne** in Smart Insights on "The Internet of Important Things", Issue 15, number IV, 14 December 2015.
- "Two Inria technologies rewarded at the IPSO Challenge 2015 in San Jose", FrenchTechHub newsletter, 10 December 2015.
- "Interview: **Thomas Watteyne**, EVA research team and REALMS associate team, presents his research, his collaboration with California and the IPSO Challenge". Inria@SiliconValley newsletter, October 2015.
- "Two Inria-EVA projects make it to IPSO CHALLENGE semi-finals", inria.fr, October 2015.
- IPSO Alliance Announces Semi-Finalists for IPSO Challenge 2015, Reuters, August 2015.

### **FUN Project-Team**

- Salvatore Guzzo Bonifacio gave a talk on "Introduction to Wireless Sensor Networks" in the framework of "Fête de la Science".
- Nathalie Mitton gave a talk on "Introduction to RFID" to Terminales S a in the framework of "Fête de la Science".
- Nathalie Mitton gave a talk at the BIS conference on Smart Cities in Berkeley in May 2015.
- Nathalie Mitton presented the wireless networks to ISN classes on March 2015.
- Nathalie Mitton gave a talk on the Connected bike to the BeyondLab PlugTest on March 2015.
- Jean Razafimandimby gave a talk on "Can robots cooperate?" to BTS a in the framework of "Fête de la Science".
- Viktor Toldov gave a talk on "Introduction to Wireless Sensor Networks" in the framework of "Fête de la Science".
- Viktor Toldov gave a talk on the PREDNET project to the BeyondLab PlugTest on March 2015.
- Viktor Toldov gave a talk on the PREDNET project during the IAE conference on Connected objects in December 2015, Lille.

# **GANG Project-Team**

# 10.3. Popularization

Michel Habib has contributed a text [41] to the "Encyclopedia of Algorithms", providing a unifying and historical overview of graph searching problems and algorithms.

#### **INFINE Team**

- 1. An interview from Laurent Massoulie was published in «La Recherche », concerning our work on community detection.
- 2. Cedric Adjih participated to the "Inria-Industry Meeting" dedicated to energy transition, with a demo of RIOT, an open-source OS for the Internet of Things. Among different uses of the RIOT, RIOT enables IoT devices and embedded systems to easily participate in an interoperable, IP-based, communication infrastructure. Such a standard-based infrastructure is essential for data collection (e.g. sensors) providing the information feeding smart energy systems (big data analytics).
- 3. Emmanuel Baccelli was the editor (with Dave Raggett) of ERCIM News Special Issue on Internet of Things and Web of Things (ERCIM News No 101).

# **MADYNES Project-Team**

# 10.3. Popularization

Thomas Silverston gave an interview with a subject on smart cities for the program *Mov'Futur* on the *Le Mouv'* radio (December 2015).

# **MAESTRO Project-Team**

### 10.3. Popularization

Activities are presented in chronological order:

- S. Alouf delivered a conference titled "Comment marche le Web?" at Lycée General et Technologique du Rempart, Marseille, for two classes of high school students (20 March 2015).
- A. Reiffers-Masson participated to the "Fête de la science" at the UAPV, (8 October 2015). His presentation was about Online Social Networks.
- S. Alouf is a member of MASTIC, a commission in charge of popularization and regional and internal scientific animation (from November 2011 until December 2015).

# MUSE Team (section vide)

# **RAP Project-Team** (section vide)

# **SOCRATE Project-Team** (section vide)

#### **URBANET Team**

- Hervé Rivano gave a popularization talk entitled "Réseaux de capteurs urbains" in the Tuba X-pert session of February 2015.
- Hervé Rivano participated to a TV Show on "IoT and Smart Cities", Tele Grenoble, April 2015.
- Razvan Stanica gave a popularization talk entitled "Teaching Our Cars How to Speak: Communications for Intelligent Transportation Systems" in the internal meeting of the Transportation Group of the Spie company.