informatics *mathematics*

Inria

RESEARCH CENTER
Lille - Nord Europe

FIELD

Activity Report 2013

Section Popularization

Edition: 2015-04-10

ADAM Project-Team

9.3. Popularization

Christophe Ribeiro gave several demonstrations of the APISENSE platform (see Section 5.1), especially for the Recherche, Innovation, Creation (RIC) day that was held on 1 October 2013 in Lille and that targets graduate students from the M.Sc and Computer Engineering programs. He also participated to the Forum des PME innovantes organized the PICOM competitivity cluster on 16 October 2013. The APISENSE platform has been the subject of some popularization articles in ERCIM News [24] and L'Usine Nouvelle [51].

The PowerAPI library (see Section 5.3) has been the subject of some popularization articles in ERCIM News [23], GreenIT.fr [49] and 01 Business & Technologies [50].

ATEAMS Project-Team

7.3. Popularization

- Jan van Eijck : "Why Learn Haskell?", Talk for UvA Programming Summer School, Amsterdam, July 2, 2013.
- Paul Klint, Davy Landman: "Hoe ontstond de eerste computer?" ("The origin of the first computer"), Public lecture for broad audience, NEMO, Amsterdam.
- Paul Klint, "How to test a meta-program?", invited talk at the Workshop on Scalable Language Specification (SLS 2013).
- Paul Klint, "BaMa: Key to the Future?", invited talk at IW1010: 10 Years of UvA Information Sciences, Amsterdam
- Paul Klint, "Understanding the Quality of Open Source Projects", invited talk at SATToSe, Bern
- Davy Landman : "What Does Control Flow Really Look Like? Eyeballing the Cyclomatic Complexity Metric", poster and presentation at ICT.OPEN (NWO networking event).
- Michael Steindorfer : "Object Redundancy Profiling in Java", poster and presentation at ICT.OPEN (NWO networking event).
- Tijs van der Storm : "Domain-specific languages", Guest lecture Bachelor Computer Science, Universiteit van Amsterdam
- Tijs van der Storm : "Opportunities and Risks of MDD – The case of Derric: a DSL for digital forensics", Presentation at CodeGeneration 2013.
- Tijs van der Storm : "Implementing Domain-specific languages using Rascal", Invited Presentation at Sioux: Source of your technology.
- Tijs van der Storm, Kevin van der Vlist, Jimi van der Woning : "Questionnaires in Rascal", participation Language Workbench Challenge 2013 (LWC'13).
- Tijs van der Storm, Alex Loh, "Questionnaires in Ensō", participation Language Workbench Challenge 2013 (LWC'13).
- Tijs van der Storm : "QL: a language for questionnaires", assignment description LWC'13.
- Tijs van der Storm : "Software Development Automation Research: Collaboration with Industry", presentation at the 1st Dutch conference on Software Development Automation (SDA'13).
- Jurgen Vinju : "Modularity", Guest lecture Bachelor Computer Science, Universiteit van Amsterdam
- Jurgen Vinju : "Software Analysis and Transformation with Rascal" , Presentation NBIC BioAssist meeting (BioAssist)
- Jurgen Vinju, Tijs van der Storm, Atze van der Ploeg, Anastasia Izmaylova, Ali Afroozeh : CWI Open Day, demonstration of NAO robot programming to children using dedicated DSL "Marvol".
- Jurgen Vinju, Tijs van der Storm, Atze van der Ploeg : "CWI In Bedrijf" (CWI and Industry) , demonstration of Rascal language workbench using the NAO robot DSL "Marvol".
- Vadim Zaytsev : "A Snappy Introduction to Metaprogramming in Rascal", RedDevCon'13.
- Vadim Zaytsev : "Modeling Software Structures with GrammarLab", Tutorial at MoDELS'13.

BONSAI Project-Team (section vide)

DOLPHIN Project-Team

9.3. Popularization

- Fête de la science
- Big Data Event (Mar 2013): Conference for industrial - Intervention on "Modeling and multi-objective optimization for knowledge discovery"

DREAMPAL Team

9.3. Popularization

Philippe Marquet is vice-president of the *Société informatique de France*, the French professional society in computer science.

Philippe Marquet is involved in scientific popularization, mostly within the context of a partnership of between the Inria Lille - Nord Europe Research Center, the University Lille 1, and the Académie of Lille. He organizes and participates to the visit of classrooms on the Inria Plateau at EuraTechnologies, promoting interactions between the scientific community and secondary school students and their teachers. This year, 30 "proviseurs", 30 teachers, and about 170 students spend half a day on the Plateau. He has designed the isnlilleacademie.fr web site (http://www.isnlilleacademie.fr), an information site on the *spécialité ISN* (computer and digital science in french high schools) for pupils, students, and their parents'.

Philippe Marquet is a member of the editorial board of 1024, the new bulletin of the *Société informatique de France* that aims at showing informatics, science and technology, in all its dimensions. 1024 targets a wide audience, from high school students to researcher, including anyone interested in computer science.

FUN Project-Team

8.3. Popularization

- Tahiry Razafindralambo gave a popularization talk "Introduction to Wireless Sensor Networks" at Distributed Computing Department / Universidad de Chile.

- Nathalie Mitton gave a talk on "Introduction to RFID" to Terminales ES and S and "Introduction to Wireless Sensor Networks" to 4e and 3e in the framework of "Journées de la Science".

- Ibrahim Amadou gave a talk on "Introduction to Wireless Sensor Networks" in the framework of "Journées de la Science".

LINKS Team

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 (section vide)

MINT Project-Team

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)

MODAL Project-Team

9.3. Popularization

Alain Celisse has given a talk in "30 minutes de science" that is proposed to all Inria team members to illustrate the type research carried out within the different teams in Lille. This talk was about kernel change-point detection.

NON-A Project-Team (section vide)

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

9.3. Popularization

- Marcus Denker gave a presentation about Pharo at the open source conference FOSDEM 2013.
- *Web with Pharo* Conference was held 6 June 2013 @ Euratechnologies, Lille.
- Camille Teruel and Damien Cassou gave a Pharo tutorial at ECOOP 2013 Montpellier. Slides got >16000 hits after a mention on ycombinator news (http://www.lirmm.fr/ecoop13/?id=158#tutorial13)
- *RIC Day* was held 2 October 2013 @ University of Lille 1, Lille, Anne Etien gave a presentation about Moose and software maintenance.
- Tutorials at ESUG 2013, Annecy, France in September.
- Esteban Lorenzano and Guillermo Polito gave multiple Presentations at Smalltalks 2013 (Argentina):
- Guillermo Polito gave a lecture about *Pharo Ninja Tricks* at Universidad de Quilmes / Argentina in November (a hands-on showing how to use the IDE and explore the system, open classes, extension methods...).
- Marcus Denker gave a lecture and a public talk at *Universitat Politecnica de Catalunya*, Barcelona, Spain.
- Software Maintenance Courses (Nicolas Anquetil):
  - IJDs Inria Lille Nord Europe, with Guillaume Larcheveque, 1 day
  - Thales, 1 day
- Stéphane Ducasse gave multiple lectures and talks at University of Prag in December 2013.
- Organization of the MooseDay in Lille on the 19th December with around 25 persons from all around the world. (http://www.lifl.fr/~etien/MooseDay.html).
- Multiple public Pharo Sprints in Lille, Santiago/Chile, Buenos Aires/Argentina and other places.

SequeL Project-Team

9.3. Popularization

- "Small or big (data), make it sequentially!", J. Mary, Ph. Preux, invited talk at Euratechnologies, March 2013.

- Inria publishes an article about Face Recognition, Michal Valko, http://www.inria.fr/centre/lille/actualites/intel-collabore-avec-inria, March 2013

- Jérémie Mary highlighted on TV and on Inria website: you are how you browse: http://www.inria.fr/en/centre/lille/news/you-are-how-you-browse, Dec. 2013

SHACRA Project-Team

9.3. Popularization

9.3.1. Fête de la Science

Christian Duriez has been involved as a *Wandering Researcher* in the Fête de la science (french event that promotes science).

9.3.2. Exhibitions

Christian Duriez and Mario Sanz Lopez have been involved in the design and development of scientific and technological demonstrators for the *Plateau* (e.g. Showroom) Inria at Euratechnologies and for *The Labo* at Inria test laboratory.

9.3.3. Recontre Inria-Industrie 2013

This was a public event taking place in Paris the 11th of June 2013. The new training system dedicated to electrocardiology and the recent deformable robot was presented.

9.3.4. IHU Scientific Days

At the occasion of the IHU Scientific days, we visited the IHU Strasbourg and several talks were done by members of the team: Alexandre Bilger, Stéphane Cotin, Jeremie Dequidt, Nazim Haouchine, Igor Peterlik, and Hugo Talbot.

9.3.5. Intergovernmental seminar

The intergovernmental seminar on digital sciences was held in february at the University of Cergy-Pontoise. Within this context, the team has exhibited a demonstration of a cataract surgery simulator which is dedicated to train surgeons to a new cost-effective cataract surgery procedure MSICS (*manual small incision cataract surgery*). This simulator was developed at Inria and has been transferred to the start-up InSimo.

SIMPAF Project-Team

9.3. Popularization

C. Calgaro is in charge of the communication of "Laboratoire Paul Painlevé" and she is in charge of the relation between the University of Lille and high schools. Accordingly, she organizes various events like « Les Mathématiques itinérantes » and « Stage de seconde à contenu scientifique ». With the help of the Communication Department of Inria, C. Calgaro, E. Creusé and T. Goudon produced a documentary fiction (in French) for a general audience on how research in applied mathematics is being done. The title is "Avis de recherche" (see http://www.inria.fr/avisderecherche).