



RESEARCH CENTER
Lille - Nord Europe

FIELD

Activity Report 2018

Section Popularization

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BONSAI Project-Team

8.3. Popularization

8.3.1. Internal or external Inria responsibilities

- Member of the CDT for Inria Lille (M. Pupin).
- Member of an Inria hiring committee (young researcher), Inria LNE (M. Pupin)

8.3.2. Education

- M. Pupin is the new leader of the collective *Informatique au féminin* from University of Lille, which was launched four years ago and whose goal is to organise computer science initiatives that reach teenage girls and female students. Among other actions, she is fully involved in the event *L codent, L créent* (she codes, she creates). This action aims to teach code to schoolgirls (13-15 years old), before they amass prejudices against computer science. 50 teenage girls were supervised by 11 female graduate computer science students, to create a proximity link between the young women. To emphasize the fact that coding is a creative and innovative pursuit, we chose to teach *Processing*, a programming language built for visual arts. After eight sessions of creative coding, a public exhibition was organized at the University with inspirational testimonies of women working in the field of computer science.
- The team participates to dissemination actions for high school students and high school teachers on a regular basis: multiple presentations on bioinformatics and research in bioinformatics with our dedicated “genome puzzles”, visit of high school students in the team (M. Salson).

BONUS Team

10.3. Popularization

10.3.1. Internal or external Inria responsibilities

- N. Melab: Nominated again as Chargé de Mission of High Performance Computing and Simulation at Université de Lille, since 2010.
- E-G. Talbi: International relations coordinator for Inria Lille Nord Europe, since 2016.
- N. Melab. Member of the Working Group on software and technological demonstrators, since end 2017.

DEFROST Project-Team

10.3. Popularization

- Damien Marchal, Olivier Goury and Christian Duriez participated in “Fête de la science: Opération Chercheurs itinérants”, which involves giving scientific lectures in middle and high schools.
- Olivier Goury presented a tutorial for the “Journée de l’Enseignement de l’Informatique et de l’Algorithmique (Journée JEIA)”, which is an event for high school teachers willing to learn more about computer science.
- Olivier Goury et Thomas Morzadec took part in the “Journée RIC (Recherche - Innovation - Créativité)”, happening at IMT Lille Douai. A demonstration was made for students of engineering schools and the university of Lille.

10.3.1. Interventions

- National events: Fête de la Science: participations à l’opération “chercheur itinérant”.

10.3.2. Creation of media or tools for science outreach

Développement du site hands-soft-robotics. <http://handsonsoftrobotics.lille.inria.fr/>

FUN Project-Team

10.3. Popularization

- Matthieu Berthome, Jad Nassar, Ibrahim Amadou, Antonio Costanzo and Antoine Gallais gave some talks in high schools for the “Fête de la Science” in October 2018
- Nathalie gave an interview for France Info on connected objects

GAIA Team

10.3. Popularization

10.3.1. Internal or external Inria responsibilities

Since December 2103, R. Ushirobira organize the cycle “30 minutes of science”, a rotating monthly seminar for all researchers at Inria Lille. On average, 40 people participate in this seminar.

10.3.2. Education

In 2017/2018, Rosane Ushirobira was a referent researcher for *the Math en Jean program* at Arthur Rimbaud College (Villeneuve d’Ascq).

10.3.3. Internal action

Y. Bouzidi, *Symbolic-numeric method for a parametric control problem*, presentation in the *30 minutes of science Inria event*, Lille - January 10th 2018.

INOCS Project-Team

10.3. Popularization

F. Semet, Club Logistique et Transport, CCI St Quentin, November 2018.

LINKS Project-Team

10.3. Popularization

10.3.1. Internal action

General Assembly of Inria Lille Niehren presented Links work on data and knowledge bases on the Dynamic Semantic Crosswords demonstration during a general assembly of Inria Lille in July 2018.

10.3.2. Creation of media or tools for science outreach

Dynamic Semantic Crosswords Bacquey's demonstration system on dynamic semantic crosswords is presented in the new showroom of Inria Lille in the new building Place. The demo generates dynamically crosswords while streaming Twitter feeds, depending on a semantic topic specified by the user. The specification can be given by a list of hashtags, and in the future by a XPath 3.0 query, that can be executed on streams by using Links QuiXPath tool. This illustrates the work on complex event processing by Niehren and his students during the last years.

LOKI Team

9.3. Popularization

9.3.1. Internal or external Inria responsibilities

AIRLab selection committee for the funding of **art and science projects**, Stéphane Huot (representative for Inria Lille – Nord Europe)

9.3.2. Articles and contents

2067 ou la disparition des interfaces humains-machines, interview in an **Inriality and Usbek & Rica joint article**, Stéphane Huot

Le raccourci clavier: Une meilleure interaction entre l'Homme et la machine ?, in **Lille by Inria N°7**, Sylvain Malacria

9.3.3. Education

Structuration et fonctionnement de la recherche, training session for academic librarians at **Médi-aLille**, Thomas Pietrzak

9.3.4. Internal action

Chorégraphie d'animation : structurer pour mieux comprendre, talk at Inria Lille – Nord Europe “**13:45**”, Amira Chalbi

Reliability and Perceived Reliability in Ubiquitous Gestural Input, talk at Inria Lille – Nord Europe “**30 minutes de sciences**”, Edward Lank

The TurboTouch latency compensation method, demonstration at the opening ceremony of Bâtiment Place (Inria Lille – Nord Europe), Mathieu Nancel

MAGNET Project-Team

10.3. Popularization

10.3.1. Internal or external Inria responsibilities

- AURÉLIEN BELLET is the scientific mediation contact for Inria Lille center.
- PASCAL DENIS served as committee member on the Inria Lille Commission Emploi Recherche (CER).
- PASCAL DENIS also served as committee member on Commission de Développement Technologique (CDT).
- PASCAL DENIS is administrator of Inria membership to Linguistic Data Consortium (LDC).

10.3.2. Articles and contents

- AURÉLIEN BELLET and MARC TOMMASI provided expertise for an upcoming TV program on Arte about new technologies.

10.3.3. Interventions

- National events: JAN RAMON and MARC TOMMASI participate to a round-table meeting at the *Fête des libertés numériques* for the RGPD day ⁰.
- In educational institutions: MARC TOMMASI gave a talk on privacy and machine learning in Journées polytech ⁰.

⁰https://www.meshs.fr/page/donnees_personnelles_et_droits_et_libertes_numeriques

⁰<http://www.polytech-lille.fr/big-data-machine-mearning-p11419.html#.WqIHjExFxPb>

MEPHYSTO-POST Team

6.3. Popularization

6.3.1. Interventions

- M. Simon participated in the local program “Chercheurs itinérants”, and gave several lectures directed to high-school students.

MODAL Project-Team

10.3. Popularization

10.3.1. Internal or external Inria responsibilities

Guillemette Marot is responsible of bilille, the bioinformatics and bioanalysis platform of Lille. More information about the platform is available at <https://wikis.univ-lille.fr/bilille/>.

Benjamin Guedj is an appointed deputy member of CLHSCT (Inria LNE).

Benjamin Guedj is an elected member of the Evaluation Committee (CE, Inria).

10.3.2. Internal action

- Pascal Germain gave a talk at the “30 minutes de sciences” seminar of Inria Lille (21/03/2018).
- Pascal Germain gave a talk vulgarizing his work at the “Café des sciences” of Inria Rocquencourt (13/11/2018).
- Guillemette Marot gave a talk at the “30 minutes de sciences” seminar of Inria Lille (21/12/2018).

NON-A POST Team (section vide)

RAPSODI Project-Team

10.3. Popularization

C. Calgaro Zotto is in charge of the communication of the Laboratoire Paul Painlevé. She organizes various events which promote mathematics among young people:

- les “**Mathématiques itinérantes**”;
- la “**Semaine des mathématiques**”;
- la collection “**Stages scientifiques en Seconde**”.

Members of the team participate regularly to these actions.

S. Lemaire gave a talk at Inria Lille for the internal scientific popularization event “30 minutes of Science” in June.

RMOD Project-Team

10.3. Popularization

10.3.1. Articles and contents

- Stéphane Ducasse and Guillermo Polito. Stéphane Ducasse (Ed.). *Physche: A Little Scheme in Pharo*, p. 50, Square Bracket Associates, 2018. [20]
- Stéphane Ducasse. Stéphane Ducasse (Ed.). *A Simple Reflective Object Kernel*, p. 40, Square Bracket Associates, 2018. [19]

10.3.2. Education

- A MOOC for Pharo is online (Stéphane Ducasse).
<http://mooc.pharo.org>

10.3.3. Interventions

- Multiple public Pharo Sprints in Lille.
<https://association.pharo.org/events>
- IoT Hackathon. One Day Event in Cologne, Germany. Using PharoIoT
<http://zweidenker.de/de/iot-hackathon-2018>
Video: <https://www.youtube.com/watch?v=dII9FAatKyw>
- RMOD co-organized and participated at ESUG 2018.
<http://www.esug.org/wiki/pier/Conferences/2018>
 - Presentation about PharoIoT.
<https://www.slideshare.net/MarcusDenker/pharo-iot>

SEQUEL Project-Team

10.3. Popularization

10.3.1. Internal or external Inria responsibilities

Philippe Preux chaired the Inria evaluation seminar of theme “Optimization, machine learning and statistical methods” in March 2018.

10.3.2. Articles and contents

- Ph. Preux interviewed for various journals (“Les échos”, ...).
- Adobe research highlights M. Valko’s work on online influence maximization presented (January 2018)
- Daniele Calandriello (supervised by A. Lazaric and M. Valko) wins the prize for the Best AI Thesis in France in 2018. Articles in:
 - La Voix du Nord
 - CNRS journal
 - Newstank
 - Lille1
 - Actu

10.3.3. Education

- Ph. Preux presented and animated 3 sessions on AI at the “congrès annuel du réseau national professionnel des cultures scientifique technique et industrielle” (Amcsti)

10.3.4. Interventions

- Philippe Preux:
 - presented AI related to health industry at the yearly general assembly of Eurasanté
 - presented and animated 3 sessions on AI at the “congrès annuel du réseau national professionnel des cultures scientifique technique et industrielle” (Amcsti)
 - participated to a panel at Conext forum (Lille)
- the work on Guesswhat?!.
 - has been invited to be presented on the Inria booth during The Web Conf in Lyon
 - is presented at the Inria showroom inaugurated in Dec. 2018 in Lille

10.3.5. Creation of media or tools for science outreach

- Ph. Preux was interviewed for a video about robots and AI

SPIRALS Project-Team

10.3. Popularization

10.3.1. Interventions

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