



RESEARCH CENTER
Lille - Nord Europe

FIELD

Activity Report 2017

Section Popularization

Edition: 2018-02-19

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DOLPHIN Team

10.3. Popularization

- E-G. Talbi: Organization of a R&D day for all students and lecturers of Polytech'Lille engineering school on "Big data and machine learning" (22/03/2018).

INOCS Team

10.3. Popularization

L. Brotcorne, Club Logistique et Transport, Lille, September 2017.

MEPHYSTO Project-Team

6.3. Popularization

M. Simon participated in the diffusion program *MathenJeans*, in Lille. She followed a group of 4 children (aged 10–11), who presented a project to the national competition named *CGénial*.

MODAL Project-Team

10.3. Popularization

Pascal Germain gave a short talk vulgarizing a research topic for first year university students. Part of the presentation of the Painlevé Mathematic Laboratory (University of Lille), December, 1st 2017.

Christophe Biernacki has given about 10 talks during 2017 for institutions (Inria, universities...), companies and other related events. He organized also a first short meeting in February 2017 in Lille for obtaining a feedback from company and academic users about the MASSICCC platform developed by the Modal and Select teams (<https://massiccc.lille.inria.fr/#/>).

Alain Celisse gave a talk at the Meetup in Pau in January, 23rd 2017: Change-point detection with structured objects.

Benjamin Guedj gave a Meetup talk in Pau (3/2017) on quasi-Bayesian learning and an application to digits recognition.

NON-A Project-Team (section vide)

RAPSODI 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 1 and high schools. Accordingly, she organizes various events which promote mathematics among young peoples like:

Les Mathématiques itinérantes (<http://mathematiques.univ-lille1.fr/Ouvertures/Mathematiques-itinerantes/>)

La semaine des Mathématiques (<http://mathematiques.univ-lille1.fr/Ouvertures/Mathematiques-itinerantes/>)

Stage en sciences pour les élèves de seconde (<http://www.univ-lille1.fr/etudes/stageseconde>)

Members of the team participate regularly in these actions.

SEQUEL Project-Team

10.3. Popularization

- CNRS publishes an article about zonotope sampling presented at ICML (see <http://www.cnrs.fr/ins2i/spip.php?article2633>).
- Julien Seznec publishes an article in *Les Echos* that discusses ML for education (November 2017).
- Émilie Kaufmann gave a popularization talk about bandit algorithms aimed at high school/prepa students at the MathPark seminar, organized at IHP in Paris (April 2017).
- *Avec GuessWhat?! quand l'humain joue, l'ordinateur s'initie au langage*, <https://www.inria.fr/centre/lille/actualites/avec-guesswhat-!-quand-l-humain-joue-l-ordinateur-s-initie-au-langage>
- Florian Strub and Mathieu Seurin demonstrated guesswhat?! during the celebrations of Inria 50th anniversary (November 2017).
- Philippe Preux:
 - interviewed for an article on *L'intelligence artificielle, est-ce vraiment de l'intelligence ?* in *BioTech.info*, Jan. 2017.
 - participates to a debate about Artificial Intelligence, as part of the franceIA tour (Euratechnologies, Lille).
 - interview by AFP in relation to alphaGo.
 - interviewed for an article on AI and games, published in *Le figaro*.
 - an interview that led to a publication in ATOS Connexion, the ATOS internal journal.
 - a video has been made with him being interviewed on Artificial Intelligence by NordEka (to be available on youtube).
 - has been selected to be portrayed at the “Soirée partenaires de l'université de Lille”, Nov.
 - was a member of the organization committee of the celebrations of the 50th Inria anniversary in Lille.
 - co-organizes a meet-up on big data and machine learning at Inria.
- M. Valko, *Comment maximiser la détection des influenceurs sur les réseaux sociaux ?*, popularization talk, Presented on May 30th, 2017 at 13 France (*Inria 13:45 2017*)

BONSAI Project-Team

9.3. Popularization

- *Recruiting girls to computer science* M. Pupin and T. Rocher are members of the collective *Informatique au féminin* from University of Lille, which was launched three years ago and whose goal is to organize computer science initiatives that reach teenage girls and female students. Among other actions, they were 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. 35 teenage girls were supervised by 9 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. This experiment has been presented at the conference PyParis2017 [30] and at the ACM conference womENCourage2017 [31].
- 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”, practical session at “Day for Programming and Algorithmic Teaching”, presentations at “Salon de l’étudiant”, visit of high school students in the team (M. Giraud, M. Salson, J.-S. Varré)
- *Explaining big data to a general audience*: H. Touzet was part of the editorial committee and author for the book “*Les big data à découvert*”(368 pages).

FUN Project-Team

10.3. Popularization

- Simon Duquennoy and Nathalie Mitton gave a talk at "30 min de Sciences" in June and December 2017 resp.
- Valeria Loscri, Antonio Costanzo and Nathalie Mitton gave a talk in the context of Nuneriqu'elle - Euratechnologies, November 2017
- Matthieu Berthome, Jad Nassar, Ibrahim Amadou, Antonio Costanzo, Antoine Gallais, Nathalie Mitton, Farouk Mezghani and Julien Vandaele gave some talks in high schools for the "Fête de la Science" in October 2017
- Nathalie Mitton gave an interview for France Info on connected objects

RMOD Project-Team

10.3. Popularization

- Article in Popular Magazine: Clément Béra and Olivier Auverlot. Au coeur de la VM Pharo. In GNU/Linux Magazine, numéro 210, décembre 2017.
- Book: Pharo by Example 5, Square Bracket Associates, 2017 [37].
<http://books.pharo.org/updated-pharo-by-example/>
- RMOD co-organized and participated at ESUG 2017.
<http://www.esug.org/wiki/pier/Conferences/2017>
- Multiple public Pharo Sprints in Lille.
<https://association.pharo.org/events>
- A MOOC for Pharo is online (Stéphane Ducasse).
<http://mooc.pharo.org>
- Thibault Raffailac: Co-organized the hub at the IUT for the CCC contest.
<https://informatique.univ-lille1.fr/ccc/2017/contest/>
- Thibault Raffailac: Organizing weekly programming trainings (10 students per session).
- Julien Deplanque organized Advent Of Code 2017 for Pharo.
<https://github.com/juliendelplanque/AdventOfCode2017WithPharo>
- Christophe Demarey gave a Talk at ncrafts about Pharo.
<http://bordeaux.ncrafts.io>

SPIRALS Project-Team

10.3. Popularization

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.

Antoine Vastel 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 browser fingerprinting and user privacy tracking.

DEFROST Project-Team

10.3. Popularization

Mario Sanz Lopez, 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 and Bruno Carrez participated in the Numéric'elle event, which involved sensibilising female middle school students to pursue a career in the digital world. Mario Sanz Lopez installed a new demonstrator on Soft Robotics at Plateau Euratechnologies.

Our team has been highlighted in the medias this year: <https://team.inria.fr/defrost/media/>

LINKS Project-Team

9.3. Popularization

Joachim Niehren contributed an article in the december issue of “Inria by Lille” titled “Interroger les bases de données d’une manière plus intelligentes”

MAGNET Project-Team

10.3. Popularization

- AURÉLIEN BELLET participated in a discussion on Artificial Intelligence at the Fête de la Science event held at Cité des Sciences (Paris, October 8).
- JAN RAMON presented at the "Pint of Science" series in Lille on the theme of big data and data protection on May 15th.
- JAN RAMON gave a presentation on exploiting traffic data (and the MAGNET work in the MUST project in this domain) in the Inria Meet-up series on December 14th.

MINT2 Team (section vide)

Mjolnir Team

10.3. Popularization

Dashboard software in the **Sbarro** car: **Mojave at the Geneva Motor Show 2017** in Geneva, Julien Decaudin, Christian Frisson, Thomas Pietrzak.

Projet Happiness : ça roule pour le tactile, interview in the **Inria official website**, Thomas Pietrzak, Christian Frisson, Julien Decaudin.

Dans la peau d'un robot, article in **le blog binaire** and in the **Inria official website**, Amira Chalbi.

Banned From the US? There's a Robot for That, interview in **WIRED**, Amira Chalbi.

Mon Histoire avec l'Informatique, presentation at "L codent L créent": Amira Chalbi, Nicole Pong.