



RESEARCH CENTER  
**Paris**

FIELD

Activity Report 2018

# Section Popularization

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## ALMAnaCH Team

### 9.3. Popularization

#### 9.3.1. Interventions

- Welcoming of schoolchildren at Inria Paris (half a day with ALMAnaCH members within an one-week-long stay; December 2018)
- ALMAnaCH members were involved in the Profiterole ANR project's presentation at the *Salon de l'Innovation* of the conference TALN 2018 (the "SiTAL" show).
- Presentation in Education Network ISN "Informatique et Science du Numérique" (March)
- Invited speaker in a citizen debate on Artificial Intelligence (association "Les coteaux en Seine", Bougival, November 21st 2018)

## **ALPINES Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Internal or external Inria responsibilities***

Laura Grigori is vice-president of the Evaluation Commission of Inria, March 2018 - current.

## **ANGE Project-Team**

### **10.3. Popularization**

#### **10.3.1. Internal or external Inria responsibilities**

Julien Salomon is a member of the "Comité des usagers de la rue Barrault" in view of the move of Paris Inria Center to Rue Barrault.

#### **10.3.2. Articles and contents**

Julien Salomon wrote a vulgarization article "Décomposer et itérer pour résoudre un problème " for the CNRS website " Images des mathématiques " (12/2018)

#### **10.3.3. Education**

- Edwige Godlewski is the president of the "commission française pour l'enseignement des mathématiques" (CFEM)
- Jacques Sainte-Marie is a member of the "Groupe de travail : Recherche et développement durable" at the French Ministry of Research.

#### **10.3.4. Interventions**

- Julien Salomon took part of the "Salon Culture et Jeux mathématiques" - Stand AMIES (Paris, 24/05/18)
- Julien Salomon gave a talk at Waterford Kamhlaba United World College, Mbabane, Eswatini (Swaziland, 5/8/2018).
- Julien Salomon took part of "Fête de la science", and gave a talk at école rue st-Isaure, 18ème (Paris, 11/10/2018)
- Léa Boittin 25/5/18 took part of the "Salon Culture et Jeux mathématiques" - Stand AMIES ( Paris, 25/05/18)
- Vivien Mallet gave a talk "Bruit dans la ville", for the association "Versailles environnement initiative" (01/12/18)

#### **10.3.5. Internal action**

Julien Salomon gave talk (3.4.18) at the internal meeting "La demi-heure de science": "Décomposer et itérer pour résoudre un problème complexe, quelques exemples en calcul scientifique".

Anne Mangeney gave talk (4.9.18) at the internal meeting "La demi-heure de science": "Les ondes sismiques : une mine d'informations sur les risques naturels".

## **ANTIQUE Project-Team**

### **8.3. Popularization**

#### ***8.3.1. Internal or external Inria responsibilities***

- Xavier Rival is member of the “Bureau du comité des projets” since October 2018.
- Xavier Rival is Chair of the Hiring Committee for Inria researchers at the center of Paris (CRCN) for 2019.

**AOSTE2 Team (section vide)**



## **ARAMIS Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Articles and contents***

- S. Durrleman's interviews were published in the magazines Le Point, Sciences et Avenir, Usine Nouvelle, Le Temps, revue Pharma, and were broadcasted on the radio France Culture. He published also an article in the special issue on artificial intelligence of the newspaper Libération.
- S. Durrleman did popularization presentations at Rotary Club Chamonix, Cercle des amis de l'ICM, and Salon de l'argus de l'assurance.
- F. De Vico Fallani did a popularization presentation at La Française - Investing group, Paris
- Olivier Colliot gave an interview for the TV channel France 5, for the program "Magazine de la Santé.
- Stéphane Epelbaum participated to multiple events dedicated to general audience outreach including: articles in journals (L'Express, Cerveau & Psycho, Sciences Avenir), Radio shows and podcasts (France inter: Grand Bien vous fasse, Figaro Live) and TV shows (Pourquoi docteur, Questions aux experts).
- The team contributed to the book "Le Grand Atlas du Cerveau" (Glénat).

#### ***10.3.2. Interventions***

- O. Colliot gave a presentation to members of the German Bundestag, Paris, France, December 2018.
- Stéphane Epelbaum participated to a charity event at the Foire internationale d'Art Contemporain (FIAC) 2018 on the 20th of November 2018.

#### ***10.3.3. Internal action***

- O. Colliot gave a presentation for the charity event ("Evènement solidaire" of Inria, September 2018).

## **CAGE Project-Team**

### **9.3. Popularization**

Emmanuel Trélat is member of the Comité d'Honneur du Salon des Jeux et Culture Mathématique since November 2018

#### **9.3.1. Articles and contents**

- Nicolas Augier, Ugo Boscain, and Mario Sigalotti are authors of the popularization article [32] explaining how broken adiabatic paths can be used to enhance the control of a quantum systems.

#### **9.3.2. Education**

- Ugo Boscain and Jean-Michel Coron gave a lecture at journée ENS-UPS, ENS Paris
- Emmanuel Trélat gave a lecture at ENS Ulm to first-year students
- Emmanuel Trélat gave a lecture at Université Paris-Diderot to first- and second-year students

#### **9.3.3. Interventions**

- Ugo Boscain gave a lecture at AlfaClass, Saint-Barthélemy, Aosta, Italy
- Emmanuel Trélat gave a lecture at Salon des Jeux et Culture Mathématique

**CASCADE Project-Team (section vide)**

## COML Team

### 9.3. Popularization

E. Dupoux talked in two general public conferences on speech technologies, one organized by the Institut Carnot Cognition (La Vilette, oct, 2018), one by the Institut IA in Toulouse (oct 2018), both with around 200 participants. He gave and/or organized smaller meetings geared towards enhancing contacts between industry and research in the general area of AI and Cognition (1 day and a half of scientific meetings between PSL and Facebook, seminar-style intervention with MSR, and with the CVT Athena). He co-chaired the conference Legrain on AI and Cognition which, besides the scientific track had a general public track and an industry track, which were both attended by 100-200 attendees (see <http://olivierlegrain.ens.psl.eu/ia-et-cognition.html>).

N. Zeghidour did a high level presentation of AI in Vivatech on the Facebook Stand (100 000 visitors). He presented the state of the art in ASR and TTS in the BNP Paribas-PRAIRIE Summer School with participants from the IT Industry. He co-redacted a 5 pages popularization article on neural networks and deep learning in the magazine "Tangent, the mathematical adventure" for high school students, 20,000 printed copies.

## **DELYS Team**

### **8.3. Popularization**

Jonathan Lejeune and Julien Sopena animated an activity during the [Science Festival 2018 at Sorbonne Univ.](#)

## **DYOGENE Project-Team**

### **9.3. Popularization**

#### ***9.3.1. Internal or external Inria responsibilities***

- B. Błaszczyszyn is an ENS adjunct professor since September 2018.
- B. Błaszczyszyn and A. Busic are members of the ENS Computer Science Department Board (Conseil du Laboratoire).
- A. Busic is member of the Committee for the Technological Development, Inria Paris

#### ***9.3.2. Education***

C. Fricker: member of the jury of *Agrégation de Mathématiques*.

## EVA Project-Team

### 10.3. Popularization

#### 10.3.1. Interventions

- Keoma Brun-Laguna
  - “Solsystem: IoT Industriel et déploiement en milieux réels” démo at RII meeting (“Mobilités et environnements, 20 Novembre 2018, Station F, Paris”)
- **Thomas Watteyne**
  - The Inria-Paris OpenTestbed (you might already have noticed. . .). Inria Seminar, Paris, 2 October 2018.
  - “Le tour du monde en 1,000 capteurs!”. Inria Rocquencourt seminar series. 6 June 2018.
  - Construire son Réseau IoT en 10min. Conférence d’ouverture de la semaine des Mathématiques. Inria-Paris, Paris, France, 12 March 2018.

#### 10.3.2. Dans les Medias

- **Thomas Watteyne**
  - Edge computing: on vous dit tout sur les technos qui mettent le cloud dans votre poche, 01net, 10 September 2018.
  - Qu’est-ce que l’IoT? Boston Consultancy Group podcast, 9 September 2018.
  - Retour Semaine des maths 2018 : conference de Thomas Watteyne à l’Inria, Academie de Paris, 15 March 2018.

#### 10.3.3. Creation of media or tools for science outreach

A video concerning the research on protocols for VANETs of Mohamed Hadded has been done by Inria.

## **GALLIUM Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Articles and contents***

- For online publications (Interstices\*, Images des Maths, Binaire, Wikipedia), and more widely blog articles

Xavier Leroy wrote a short introduction to software sciences in general and to his lectures at Collège de France. This text was published by the “Binaire” blog of *Le Monde* [30].

#### ***10.3.2. Interventions***

Gergő Barany gave a talk titled “Finding Missed Optimizations in LLVM (and other compilers)” at the 2018 European LLVM Developers Meeting, explaining his research on testing the quality of compiler optimizations to practitioners in compiler development.



## **GANG Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Internal or external Inria responsibilities***

- Laurent Viennot was “commissaire scientifique” for the permanent exposition on “Informatique et sciences du numérique” at Palais de la découverte in Paris (opened in March 2018).

#### ***10.3.2. Education***

- Carole Delporte was president of a jury of baccalaureat.

## MAMBA Project-Team

### 10.3. Popularization

#### 10.3.1. Interventions

- Marie Doumic: participation in a round table on December 13th, in Forum Emploi Maths, La Villette, Paris; Participation in a round table on "Science Meets Medicine", May 29th, in Vienna; presentation to a 12-year old class of pupils of mathematics for biology.
- Several Mamba members have taken part to the activities of the year of mathematical biology declared by European Mathematical Society.
- Dirk Drasdo on liver research and EASL: <https://www.inria.fr/centre/paris/actualites/dirk-drasdo-et-ses-recherches-sur-le-foie>

## **MATHERIALS Project-Team**

### **9.3. Popularization**

#### ***9.3.1. Internal or external Inria responsibilities***

- A. Levitt is a member of the editorial board of Interstices, Inria's popularization website.

#### ***9.3.2. Articles and contents***

- E. Cancès has been interviewed in "La Jaune et La Rouge", the journal of the alumni of Ecole Polytechnique, in January.

#### ***9.3.3. Internal actions***

- C. Le Bris organized an open day at CERMICS in June for the administrative staff of École des Ponts.

**MATHRISK Project-Team (section vide)**

## **MIMOVE Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Internal or external Inria responsibilities***

- V. Issarny, Appointed member: CODEV, *Métropole du Grand Paris* (Since December 2018).

## **MOKAPLAN Project-Team**

### **8.3. Popularization**

#### **8.3.1. Internal or external Inria responsibilities**

V. Duval was a member of the *Commission d'évaluation scientifique* (CES) of the CRI Paris in 2018, and has been a member of the *Comité de suivi doctoral* since September 2018.

J-D. Benamou was a member of the *CR2 Recruiting Commission* of the CRI Paris in 2018.

#### **8.3.2. Education**

I. Waldspurger has given a talk at the Mathematic Park seminar (for L1 and L2 students), on the minimization of convex functions with Lipschitz gradient.

#### **8.3.3. Interventions**

Participation à l'accueil de 15 collégiens dans le cadre de leur stage d'observation (3 heures dans l'équipe MOKAPLAN supervisé par Lucas Martinet).

## OURAGAN Team

### 10.3. Popularization

#### 10.3.1. Internal or external Inria responsibilities

- Razvan Barbulescu is *chargé médiation* at IMJ-PRG
- Razvan Barbulescu is a member of the steering committee of the association *Animath*<sup>0</sup>
- Fabrice Rouillier is *chargé de mission médiation* at Inria Paris
- Fabrice Rouillier is a member of the editorial board of *Interstices*
- Fabrice Rouillier is the president of the association *Animath*

#### 10.3.2. Interventions

- Razvan Barbulescu co-organizes the *Alkindi*<sup>0</sup> competition on cryptography (50000 participants)

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<sup>0</sup><http://www.animath.fr>

<sup>0</sup><http://concours-alkindi.fr/>

## **PARKAS Project-Team**

### **9.3. Popularization**

#### ***9.3.1. Internal or external Inria responsibilities***

- F. Zappa Nardelli is member of the CES of Inria.



**PL.R2 Project-Team (section vide)**

**POLSYS Project-Team (section vide)**

## **PROSECCO Project-Team**

### **9.3. Popularization**

#### ***9.3.1. Internal or external Inria responsibilities***

- Bruno Blanchet was co-president of the Inria hiring committee for PhD, post-docs, and *délégations* (*Commission des Emplois Scientifiques, CES*).
- Bruno Blanchet was representative of Inria Paris at the DIM RFSI (*Domaine d'Intérêt Majeur, Réseau Francilien en Sciences Informatiques*).

#### ***9.3.2. Interventions***

- Karthikeyan Bhargavan was a panelist at the Cloudflare Internet Summit in London, June 14, 2018.
- Harry Halpin was a panelist at the World Digital Asset Summit in San Fransisco, USA, December 10, 2018.

## **QUANTIC Project-Team**

### **8.3. Popularization**

Alain Sarlette, 5 December 2018, prospective Ordinateur Quantique at the comité de pilotage du CETIM, Senlis.

## REO Project-Team

### 10.3. Popularization

#### 10.3.1. Interventions

- Céline Grandmont
  - Conference “Métier”: Master Maths students, UPMC, Oct 2018
  - Conference at "Rendez-vous des Jeunes Mathématiciennes et Informaticiennes", Inria Oct. 2018
  - High school discussion on scientific career, 18th January, Blanche de Castille, Le Chesnay, France
  - High school conference, 9th January, Blanche de Castille, Le Chesnay, France

## RITS Project-Team

### 10.3. Popularization

#### 10.3.1. Internal or external Inria responsibilities

Fawzi Nashashibi was the coordinator of the Inria Livre Blanc "Véhicules autonomes et connectés, les défis actuels et les voies de recherche" <sup>0</sup>.

#### 10.3.2. Articles and contents

A few press interviews and popular science was done in 2018.

- In books/journals/radios for the general public:
  - Raoul de Charette was interviewed by A. Devillard for:
    - *Pour la voiture autonome, l'algorithme d'apprentissage qui ne s'entraîne pas*<sup>0</sup>, Science et Avenir, 2018-03-18;
    - *Les failles de la voiture autonome*<sup>0</sup>, Sciences et Avenir, 2018-04-26;
  - Raoul de Charette and Fawzi Nashashibi were interviewed by M. Moragues for *[Infographie] L'intelligence artificielle n'est pas un as du volant*<sup>0</sup>, L'Usine Nouvelle, 2018-09-23;
  - Raoul de Charette was interviewed for Sciences et Avenir, *La voiture autonome en quête de la "vision" parfaite*, 2018-09-27;
  - Raoul de Charette and Fawzi Nashashibi were interviewed for Challenges, *L'intelligence artificielle bute sur la sécurité routière*, 2018-10-04;
  - Raoul de Charette was interviewed for Radio France Internationale, 2018-03-30;
  - Fawzi Nashashibi was interviewed for La Tribune, *Ce que l'IA change dans l'auto : l'ère de la voiture autonome*<sup>0</sup>, 2018-05-02;
  - Fawzi Nashashibi was interviewed by Dominique Filippone for *Voitures autonomes : Pas avant 2040 en France selon l'Inria*<sup>0</sup>, Le Monde Informatique, 2018-05-15;
  - Fawzi Nashashibi was interviewed by Loup Besmond de Senneville for *Les recommandations des chercheurs pour l'éthique des voitures autonomes*<sup>0</sup>, La Croix, 2018-05-18;
  - Fawzi Nashashibi was interviewed by Frank Niedercorn for *Fawzi Nashashibi : "Il y a encore bien des obstacles pour le véhicule autonome"*<sup>0</sup>, Les Echos, 2018-06-29;
  - Fawzi Nashashibi was interviewed for L'Usine Nouvelle, no 3577, *Automobile le graal de l'autonomie*, 2018-09-20;
  - Fawzi Nashashibi was interviewed by Laurène Le Fournier for Radio Village Innovation, July 2018.
  - Fawzi Nashashibi was interviewed for France Info, 2018-09-07.
- For online publications: (Interstices, Images des Maths, Binaire, Wikipedia), and more widely blog articles:

<sup>0</sup><https://www.inria.fr/institut/strategie/vehicules-autonomes-et-connectes>

<sup>0</sup>[https://www.sciencesetavenir.fr/high-tech/pour-la-voiture-autonome-un-algorithme-d-apprentissage-qui-ne-s-entraîne-pas\\_122033](https://www.sciencesetavenir.fr/high-tech/pour-la-voiture-autonome-un-algorithme-d-apprentissage-qui-ne-s-entraîne-pas_122033)

<sup>0</sup>[https://www.sciencesetavenir.fr/high-tech/transports/les-faillies-de-la-voiture-autonome\\_123502](https://www.sciencesetavenir.fr/high-tech/transports/les-faillies-de-la-voiture-autonome_123502)

<sup>0</sup><https://www.usinenouvelle.com/editorial/infographie-l-intelligence-artificielle-n-est-pas-un-as-du-volant.N742309>

<sup>0</sup>[https://www.latribune.fr/entreprises-finance/industrie/automobile/ce-que-l-ia-change-dans-l-auto-l-ere-de-la-voiture-autonome-](https://www.latribune.fr/entreprises-finance/industrie/automobile/ce-que-l-ia-change-dans-l-auto-l-ere-de-la-voiture-autonome-776767.html)

[776767.html](https://www.latribune.fr/entreprises-finance/industrie/automobile/ce-que-l-ia-change-dans-l-auto-l-ere-de-la-voiture-autonome-776767.html)

<sup>0</sup><https://www.lemondeinformatique.fr/actualites/lire-voitures-autonomes-pas-avant-2040-en-france-selon-l-inria-71733.html>

<sup>0</sup>[https://www.la-croix.com/Sciences-et-ethique/Ethique/recommandations-chercheurs-lethique-voitures-autonomes-2018-05-18-](https://www.la-croix.com/Sciences-et-ethique/Ethique/recommandations-chercheurs-lethique-voitures-autonomes-2018-05-18-1200940092)

[1200940092](https://www.la-croix.com/Sciences-et-ethique/Ethique/recommandations-chercheurs-lethique-voitures-autonomes-2018-05-18-1200940092)

<sup>0</sup>[https://www.lesechos.fr/29/06/2018/LesEchos/22727-506-ECH\\_fawzi-nashashibi—il-y-a-encore-bien-des-obstacles-pour-le-vehicule-autonome-.htm](https://www.lesechos.fr/29/06/2018/LesEchos/22727-506-ECH_fawzi-nashashibi—il-y-a-encore-bien-des-obstacles-pour-le-vehicule-autonome-.htm)

Raoul de Charette was interviewed by K. Haske for MyScienceWork *Where are they now ? Raoul de Charette*<sup>0</sup>, 2018-09-04, and by J. Jongwane for Interstices *Les algorithmes de vision pour les véhicules autonomes*<sup>0</sup> [36];

Fawzi Nashashibi was interviewed by Mrs. Barbara Vignaux to prepare an exhibition on the autonomous car for the *Science Actualités* area of the City of Science and Industry (*Cité des Sciences et des Industries*), Paris. It was followed by the development of an article entitled "Voiture autonome: révolution en route ?" (Autonomous Car: revolution on the way?);

In January 2018, Gérard Le Lann has been invited to contribute to Blog Binaire Le Monde on: *Sécurité routière et cybersécurité*<sup>0</sup>;

In May 18th, an on-line article titled *Inria dévoile son Livre blanc sur les Véhicules Autonomes et Connectés* and relaying the contents of Inria white paper on connected autonomous vehicles was published at <http://www.auto-innovations.com/communique/1374.html>.

### **10.3.3. Interventions**

- Raoul de Charette and Renaud Poncelet made a demonstration at Inria RII meeting ("Mobilité & environnements", 2018-11-20, Station F, Paris);
- RITS was involved in welcoming schoolchildren in Paris center on December 21st.

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<sup>0</sup><https://www.mysciencework.com/omniscience/now-raoul-charette>

<sup>0</sup><https://interstices.info/les-algorithmes-de-vision-pour-les-vehicules-autonomes/>

<sup>0</sup><http://binaire.blog.lemonde.fr/2018/01/19/securete-routiere-et-cybersecurite/>

## SECRET Project-Team

### 9.3. Popularization

#### 9.3.1. Internal or external Inria responsibilities

- **Association Animath:** M. Lequesne serves on the board of Animath.
- M. Lequesne is also member of the scientific committee of the French Tournament of Young Mathematicians: redaction of the problems for the competition, jury member (chair of a jury) ; member of the scientific committee of the International Tournament of Young Mathematicians: redaction of the problems for the competition, jury member (chair of a jury) ; Member of the scientific committee of the Correspondances des Jeunes Mathématicien.ne.s: redaction of the problems for the competition.

#### 9.3.2. Articles and contents

- A.Chailleux, *L'algorithme de Shor*, Interstices, Inria, March 2018.
- G. Leurent and M. Naya-Plasencia, *La fragilité inattendue du chiffrement symétrique*, “La Recherche”, November 2018.
- JP Tillich, *Les codes correcteurs*, “La Recherche”, November 2018, p. 45-46.
- A. Canteaut, *La meilleure garantie de sécurité est l'épreuve du temps*, interview to the journal “La Recherche”, November 2018.
- M. Naya-Plasencia, *Symmetric Cryptanalysis: The Foundation of Trust*, Lorentz Center Highlights, 2018, Leiden, Netherlands, Mars 20, 2018.

#### 9.3.3. Education

- **Alkindi cipher challenge:** Several members of the project-team are involved in the cipher challenge for high-school students "concours Alkindi" <http://www.concours-alkindi.fr/>. Mathieu Lequesne serves as a co-organizer of the challenge, preparing the three rounds and the final. Together with C. Boura and A. Canteaut, he was also involved in the redaction of the exercises, and in videos for Inria channel on different aspects of cryptography and how to solve problems from the Alkindi challenge: <https://www.youtube.com/watch?v=Y-VQBzwEaqQ&t=17s>, <https://www.youtube.com/watch?v=Mv415zfUFNs&t=3s> and <https://www.youtube.com/watch?v=8ohEeTPKBwA&t=21s>. The best teams from Académie de Paris have been visiting the SECRET project-team in June 2018 <https://www.youtube.com/watch?v=EVLHEOWAORc>.
- Organization of the event “Rendez-vous des Jeunes Mathématiciennes et Informatiennes” at Inria Paris (October 22-23) by M. Lequesne, a 2-days camp for 20 high-school girls interested in mathematics and computer science.
- Organization of the International Tournament of Young Mathematicians in Paris, a one-week competition (July 5-12) for 120 high-school students. M. Lequesne served as vice-president of the local organizing committee.

#### 9.3.4. Interventions

- A. Canteaut gave a talk to high-school students at Palais de la Découverte, during the “Semaine des maths” (March 2018) [61];
- A. Canteaut gave the talk during the closing ceremony of “Olympiades nationales de mathématiques” (June 2018) [62];
- A. Canteaut gave a presentation on research in computer science to 10-year children in a school in Paris (Jan. 2018);
- M. Lequesne gave a presentation on code-based cryptography to high-school interns (stagiaires de 3e) (Dec. 2018).



## **SERENA Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Interventions***

- M. Kern: présentation “Des mathématiques pour modéliser et simuler le monde”, Lycée des Pierres–Vives (Terminale S), Carrières–sur–Seine, May 2018.
- M. Vohralík: “Advancing scientific knowledge together to support innovation”, dissemination video, [IFP Energies Nouvelles](#). Available [here](#). February 2018.

## **SIERRA Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Creation of media or tools for science outreach***

Design and implementation of a demonstration for the permanent exhibit at Palais de la Découverte: “L’apprenti illustrateur” (J.-B. Alayrac, F. Bach)

## VALDA Project-Team

### 8.3. Popularization

#### 8.3.1. Internal or external Inria responsibilities

Serge Abiteboul is the president of the strategic committee of the Blaise Pascal foundation for scientific mediation.

#### 8.3.2. Articles and contents

Serge Abiteboul published *Le bot qui murmurait à l'oreille de la vieille dame* at the *Le Pommier* éditions, a collection of short stories on the digital world, accompanied with scientific and technical discussions.

Serge Abiteboul writes regular columns on popularization of computer science in *La Recherche* and *Le Monde* (Économie).

#### 8.3.3. Education

Pierre Senellart participated to a week-long meeting of teachers in *classes préparatoires* in Lumini in May 2018 to discuss the future of computer science education and to give an introduction to database research.

## **WHISPER Project-Team**

### **10.3. Popularization**

- Julia Lawall: Coordinator of the Outreachy internship program for the Linux kernel, until March 2018. Outreachy provides remote 3-month internships twice a year for women and other underrepresented minorities on open source projects. Julia Lawall also mentored Aishwarya Pant as part of this program.
- Julia Lawall, “Building Stable Trees with Machine Learning”, Open Source Summit North America, August 2018, with Sasha Levin. Open Source Summit Europe, October 2018, with Sasha Levin. Linux Plumbers Conference, kernel summit track, November 2018, with Sasha Levin.
- Julia Lawall, “Coccinelle: 10 Years of Automated Evolution and Bug Finding in the Linux Kernel”, Open Source Summit Europe, October 2018.
- Julia Lawall, “Panel Discussion: Outreachy Kernel Internship Report” (moderator), Open Source Summit Europe, October 2018.
- Julia Lawall, “Panel Discussion: An Exploration of Insights & Issues Related to Mentoring Programs” (participant), Open Source Summit Europe, October 2018.
- Julia Lawall, “Interprocedural Static Analysis Strategies for the Linux Kernel: Detecting SAC Bugs as an Example (Work in Progress)”, Linux Kernel Real Time Summit, October 2018.
- Julia Lawall, “Kernel Panel” (participant), Linux Plumbers Conference, November 2018.

## **WILLOW Project-Team**

### **10.3. Popularization**

#### ***10.3.1. Articles and contents***

- J. Ponce was the subject of an article in the photography magazine Polka. He was also interviewed by France Culture, Le Monde, Paris-Match, Québec Science, and Science et Vie.
- J. Ponce was interviewed by the Académie des Sciences working group on Artificial Intelligence on Oct. 2, 2018.

#### ***10.3.2. Interventions***

- J. Ponce participated in round tables about AI at the France Culture Forum in Paris, March 1, 2018, at the BNP Parisbas summer school Aug. 23, 2018, at the French embassy in Berlin on Nov. 6, 2018, at the Erasme-Descartes conference in Paris on Nov. 15, 2018, and at the AI summit in New York City on Dec. 6, 2018.
- J. Ponce gave general audience lectures at the X-IA meeting in Palaiseau, Oct. 8, 2018 and at the Institut français de Croatie in Zagreb, Croatia, Nov. 9, 2018.

#### ***10.3.3. Creation of media or tools for science outreach***

- I. Laptev, Y. Hasson, S. Allayen, T. Eboli, I. Kalyevath, Y. Labbe, R. Strudel, G. Varol, D. Zhukov, Presentation of computer vision for high-school students, Inria, December 2018.