Activity Report 2014

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AMIB Project-Team

7.3. Popularization

AVIZ Project-Team

9.3. Popularization

- Pierre Dragicevic and Yvonne Jansen are curating an online List of Physical Visualizations and Related Artefacts with now 180+ entries.
- Benjamin Bach is curating an online List of Temporal Visualizations based on Space-Time cube visualizations.
- Benjamin Bach is maintaining a Webpage describing the efforts of the Microsoft Research-Inria Joint Research Center on visualizing functional brain connectivity.
- Jeremy Boy and Jean-Daniel Fekete developed a Series of Visualizations for the People.
- Jeremy Boy: CO2: La carte de la pollution mondial, Mediapart data-journalism article.
- Jeremy Boy: Les diplômes, est-ce que ça paye?, Mediapart data-journalism article.
- Jeremy Boy: Le poids du nucléaire dans le monde, Mediapart data-journalism article.
- Jeremy Boy, Samuel Huron, and Jean-Daniel Fekete organized a workshop on Data Visualization at Futur En Seine 2104, Paris, France.
8.3. Popularization


Konstantinos Chatzikokolakis has been one of the speakers at the above round table.

Konstantinos Chatzikokolakis has given the popularization talk “Protection de la vie privée et anonymat” at the Journée ISN, Académie de Créteil, March 2014.
9.3. Popularization

The paper [10] about running strategies was reported in several media in 2014, especially by Figaro (May 29), Usine Nouvelle (May 18), Science Daily (May 15), MedicalXPress (May 15), Ipodiatry (May 21) and French Huffington Post in 2013.
9.3. Popularization

Serge Abiteboul participated in 2014 to the following reports of the Conseil national du numérique: Digital education (Jules Ferry 3.0, Bâtir une école créative et juste dans un monde numérique) and Platform neutrality (Neutralité des plateformes).


Serge Abiteboul coordinated the production of a report on Education to Big data [23].

Serge Abiteboul was audited on the Digital Risk by Office Parlementaire d’Évaluation des Choix Scientifiques et Technologiques.

Serge Abiteboul was interviewed on radio notably by: La Matinale d’Eutrope 1, BFM Business, Radio Campus, Autour de la question, RFI. He had articles notably in: Le monde, Fenêtres sur Cours, Sciences et Avenir, Le Parisien Magazine. He gave talks to Cap digital, Assises Médias Entreprises, Conférence Idées, Université d’été de l’Institut des Actuaires, 10 ans de la Fondation Steri, Orange Labs, Google.
DEFI Project-Team

9.3. Popularization

- H. Haddar gave a lecture at UnithéouCafé on "Décoder les ondes". The video is available at the youtube inriachannel https://www.youtube.com/watch?v=baS8mL66xiE
9.3. Popularization

Catherine Bonnet has been a portrait in the exhibition ‘Infinités Plurielles’, Marie-Hélène Le Ny
Alban Quadrat gave a scientific popularization talk entitled Une sience du contrôle ou Qu’appelle-t-on théorie du contrôle en science ? at the conference Contrôle et Contrainte en Science-Fiction, University of Picardie Jules Verne, Beauvais (France), organized by the department of Lettres, Langues, Arts et Sciences Humaines (FLASH), 23-25/04/2014.
9.3. Popularization

- **Blaschko, Matthew**
  - **Presentations:** Third School on Machine Learning and Knowledge Discovery in Databases (BR), Computer Vision and Pattern Recognition Tutorial (US), KU Leuven (BE), Machine Learning Challenge MICCAI Workshop (US), Agence Nationale de la Recherche (FR)

- **Kokkinos, Iasonas**
  - **Presentations:** Imagenet workshop (in conjunction with ECCV, CH), TTI-Chicago (USA), KTH University (SE), Dagstuhl Seminar on Shape Analysis (DE).

- **Kumar, Pawan M.**
  - **Presentations:** University of Oxford (UK), Ecole des Ponts (FR), Swedish AI Society Workshop (SAIS ’14, SE), Xerox Research Center Europe (XRCE) (FR).

- **Paragios, Nikos**
  - **Presentations:** Reconnaissance de Formes et l’Intelligence Artificielle (RFIA’14, FR), Medical Imaging Summer School (MISS’14, IT), International Conference on Pattern Recognition (ICPR’15, SE), Algorithmic issues for Inference in Graphical Models (AIGM’14, FR), University of Patras (GR), Swiss Federal Institute of Technology in Zurich (ETHZ) (CH).
GECO Project-Team (section vide)
9.3. Popularization

Thomas Bonis and Mathieu Carrière presented the Photomat 3d at the Fête de la Science in October 2014. This animation consists in scanning a volunteering person in 3d using a Kinect and dedicated software, then illustrating the concepts of 3d shape comparison, retrieval and matching.
GRACE Project-Team

9.4. Popularization

- D. Augot made a presentation “Quand 1 ⊕ 1 égal 0” at Lycée Albert Einstein, Sainte-Genevière-des-Bois, May 19th.
- J. Pieltant was one of the presenters for Inria’s stand at « Bouge la Science » at Supélec.
- A. Couvreur gave a conference “Les mathématiques pour protéger l’information” for the pupils of Collège Moreau in Monthléry (91).
9.3. Popularization

Aline Carneiro Viana:

- **Presentation at the “Futur en Seine” festival:** Title: "Understanding human behavior for context- and content- networking", June 12, 2014.
- **Presentation at the ESSOURIAU High School at Ulis in the context of the Math week:** Title: "Le smartphone, votre 6e sens ?", Mars 21, 2014.
- **Interview for the Interstices scientific magazine.**

Cédric Adjih, Emmanuel Baccelli, Oliver Hahm:

- **Demonstration of RIOT** at CeBIT 2014, the world’s leading IT trade show.
- **Description of IoT-LAB, and test of IoT-LAB nodes** at the IETF 6TiSCH plugfest during IETF-89 in London.
- **Demonstration of RIOT on heterogeneous IoT hardware** At the IETF 6TiSCH plugfest during IETF-89 in London (https://bitbucket.org/6tisch/meetings/wiki/140306a_ietf89_london_plugfest).
- **Demonstration of IoT-LAB (Contiki RPL experiments)** at the Bits-n-Bytes event of IETF-90 in Toronto.
- **Demonstration of RIOT (CCN - 6LoWPAN interoperating)** at the Bits-n-Bytes event of IETF-90 in Toronto.
- **Demonstration of IoT-LAB also at the LLN plugfest** of the same IETF-90 in Toronto.
- **Demonstration of RIOT tsch functionalities with OpenWSN integration** at the LLN plugfest of the same IETF-90 in Toronto.

8.3. Popularization

- “Quid sit musicus”, World premiere at IRCAM on June 18, 2014 of the piece composed and directed by Philippe Leroux: Jérémie Garcia designed and developed technology and tools used in the composition and performance of the piece.
- “PaperTonnetz” and “Dessines moi un paysage”, Public Exhibition at Futur-en-Seine festival, June 2014: Jérémie Garcia. The demonstration was covered by the online news site 01net.com.
- “Interfaces de demain, la fin du tactile ?”, conference at Université du Temps Libre Essonne, December 2014: Michel Beaudouin-Lafon.
M3DISIM Team

8.3. Popularization

D. Chapelle interviewed for article in “Usine Nouvelle” on cardiac modeling
D. Chapelle invited at “Futur en Seine” event for presentation and debate on predictive systems
P. Moireau presentation for the Inria Direction of Financial Affairs on the “heart forecasting”
Maxplus Project-Team

9.3. Popularization

9.3. Popularization

- Stefan Haar gave a talk entitled "Revèle tes défauts" on fault diagnosis in the popularization series "Unité ou café" of Inria Saclay-Idf, on February 7, 2014.
8.3. Popularization

At the International Conference on Database Systems for Advanced Applications (DASFAA 2014), B. Cautis gave a lecture for the local Indonesian students, on “Searching the Social Web”.
9.3. Popularization

- Bertrand Thirion has taken part to the *Autour de la question* broadcast program on Feb. 24th.
- Bertrand Thirion co-authored the popularization paper: "Le décodage cérébral: exemple de la vision" in Clefs CEA, issue 62.
- Gaël Varoquaux gave a tutorial on scikit learn at the Microsoft Tech Days (February).
PARSIFAL Project-Team (section vide)
9.3. Popularization

- Publication in the journal Interstices of Inria: *Le piano rêvé des mathématiciens* Juliette Chabassier, Antoine Chaigne, Marc Duruflé and Patrick Joly.
- Conference of Patrick Joly to high school students during the TFJM (Tournoi Français des Jeunes Mathématiciens et Mathématiciennes) at ENSTA, June 2014.
9.3. Popularization

- Marc Lavielle was invited to give a talk for the "Olympiades des Mathématiques" in Cachan.
- Marc Lavielle was invited to participate to the "Nuit des Sciences" at ENS and give a talk about statistics and GMO.
POSTALE Team

8.3. Popularization

REGULARITY Project-Team (section vide)
9.3. Popularization

Gilles Celeux and Valérie Robert have written an article on statistics in basket-ball to appear in the Journal of the SFdS, special issue 'sport and statistics'.
9.4. Popularization

- A. Mahboubi has written an article [16] for the popular science website “Images de Mathematiques”, in the context of a partnership of this website with the Bourbaki seminar.
- A. Mahboubi has given a talk at the popular science event “Nuit des Sciences, Ébullitions” http://www.nuit-sciences.ens.fr/ at École Normale Supérieure, on June 6th 2014.
- A. Mahboubi has been interviewed by Ph. Pajot in the magazine La Recherche, November 2014.
- A. Mahboubi has given a “Science Break” talk, at Supélec, on December 10th 2014, an event organized by La Diagonale Paris-Saclay, part of la Fondation de Coopération Scientifique Campus-Paris-Saclay.
9.3. Popularization

Yann Ollivier, co-organizes the European Union Contest for Young Scientists (science fair for high school students from 30+ countries organized by the European Commission).
9.3. Popularization

- S. Boldo gave a 2-hour course entitled *Les nombres et l’ordinateur* at the École Normale Supérieure de Cachan, France, on September 9th.
- S. Boldo gave a 2-hour course *Pourquoi mon ordinateur calcule faux?* to a general audience at the Université Inter-Âge in Versailles, France, on March 4th.
- S. Boldo gave a talk for computer sciences teachers (ISN) in Créteil on March 24th.
- S. Boldo gave a talk for teenagers at the lycée Maximilien Perretin Alfortville on May 22nd.
- S. Boldo wrote an article with Jean-Michel Muller (ARIC) in the popularization journal *La Recherche* [42].
- S. Boldo wrote in 2013 an article for the French blog celebrating 2013 as the “Mathematics of Planet Earth” year: http://mpt2013.fr/meme-les-ordinateurs-font-des-erreurs/. This article was selected to be published in a book published in 2014 [41].
- S. Boldo is member of the editorial committee of the popular science Interstices web site, since April 2008. http://interstices.info/.
- S. Boldo is member of the editorial board of Binaire http://binaire.blog.lemonde.fr, the blog of the French Computer Science Society.
- S. Boldo, G. Melquiond, A. Paskevich, and C. Paulin animated two stands at the *Fête de la science*.
- A. Charguéraud and S. Boldo contributed to the preparation of the exercises of the *Concours Castor informatique* http://castor-informatique.fr/. A. Charguéraud is also one of the three organizers of this contest. The purpose of the Concours Castor is to introduce pupils (from 6ème to terminale) to computer sciences. More than 228,000 teenagers played with the interactive exercises in November 2014.