

UniGR Workshop:

Big Data - Challenges and Opportunities

Venue : Hotel Parc Bellevue, Avenue Marie-Thérèse 5, L - 2132 Luxembourg

6 December 2013

Agenda

9.00 – 9.10 Welcome coffee

9.10 – 9.30 Opening by **Dr Reinhard Schneider**, Head of bioinformatics core facility, University of Luxembourg

9.30 – 9.45 EU funding opportunities for Big Data in Horizon 2020 by **Dr Françoise Meisch and Dr Hijazi Younis**, Project Officers, Life Sciences & IT Sectors (Luxinnovation, the National Agency for Innovation and Research)

9.50 – 12.00 Big Data – in general, chaired by **Prof. Volker Müller**, University of Luxembourg

- 9.50 – 10.00 Is Luxembourg's ICT environment ready for big data?, **Mr Peter Sodermans**, senior advisor, Luxembourg for Business, Ministry of State Media and Communications Department
- 10.00 – 10.30 Transforming the UL into a Big Data University: Overview of the current infrastructure and planned evolutions, **Dr Sébastien Varrette**, research associate, University of Luxembourg
- 10.30 – 11.00 Big Data in Environmental Remote Sensing: Chances and Challenges, **Prof. Dr. Thomas Udelhoven**, Head of the Environmental Remote Sensing & Geoinformatics Department, Trier University

11.00 – 11.15 Coffee break

- 11.15 – 11.45 Big data in the management of electric energy systems, **Prof. Louis Wehenkel**, Electrical Engineering and Computer Science, University of Liège
- 11.45 – 12.15 The challenge of Visualizing Big Data, **Dr Eng. Benoît Otjacques**, Gabriel Lippmann, Luxembourg

12.15 – 13.15 Lunch

13.15 – 14.45 Big Data – in life sciences, chaired by **Dr Hélène Dumond**, Faculty of Sciences, University of Lorraine, Nancy

- **13.15 – 13.45** Exabyte genomics - from legacy clusters to data-localized cloud APIs, **Dr Sven-Eric Schelhorn**, research scientist, Max Planck Institute for Informatics, Saarland University, Saarbrücken
- **13.45 – 14.15** Knowledge discovery from biological data: scalability issues, **Dr Marie-Dominique Devignes**, research scientist, Centre National de la Recherche Scientifique, University of Lorraine, Nancy
- **14.15 – 14.45** Large-scale bioimage analysis using web services and machine learning, **Dr Raphaël Marée**, research associate, GIGA Bioinformatics Core Facilities, University of Liège

14.45 – 15.00 Coffee break

15.00 – 16.00 Big Data – in technology, chaired by **Prof. Pascal Bouvry** (University of Luxembourg)

- **15.00 – 15.30** Experimentation of large scale distributed systems -- the AlGorille team at LORIA, **Dr Emmanuel Jeanvoine**, research engineer at Inria, University of Lorraine
- **15.30 – 16.00** Mobile Sensing and Integration of Heterogeneous Big Data, **Prof. Dr. Didier Stricker**, University of Kaiserslautern

16.00 – 17.00 Big Data Exploration: What are the synergies in the Grand Region? Open discussion leading by **Prof. Dr. Rudi Balling**, Director of Luxembourg Centre for Systems Biomedicine (LCSB), University of Luxembourg, **Dr Marc Hemmerling**, The Luxembourg Banker's Association (ABBL), and **Dr Marie-Dominique Devignes**, Centre National de la Recherche Scientifique (CNRS), University of Lorraine