Welcome!

Luciano Baresi, Politecnico di Milano, IT
Tim Menzies, North Carolina State U, US
Andreas Metzger, U Duisburg-Essen, DE
Thomas Zimmermann, Microsoft Research, US
9:00 – 10:30 Keynote & Paper Session 1 (Real-time Data Analytics) — Chair: Andreas

- 10’ Welcome
- 50’ Keynote: Flavio Villanustre. Industrial Big Data Analytics
- 10’ Patrick Tendick and Audris Mockus. Decisions as a service for application centric real time analytics
- 10’ Dominik Safaric, Georgios Gousios and Joost Visser. Streaming Software Analytics (position paper)
- 10’ Facilitated discussion on Session 1 papers

10:30 – 11:00 Morning break

11:00 – 12:30 Paper Session 2 (Data Management) — Chair: Tom

- 30’ Roundtable Introduction (Provocative Staments about Big Data)
- 10’ Yang Zhang, Fangzhou Xu, Erwin Frise, Siqi Wu, Bin Yu and Wei Xu. DataLab: A Version Data Management and Analytics System
- 10’ Jared Smith, Nathan Wilder and Audris Mockus. Exploring a Framework for Identity and Attribute Linking Across Heterogeneous Data Systems
- 10’ Marco Scavuzzo, Damian A. Tamburri and Elisabetta Di Nitto. Providing Big Data Applications with Fault-Tolerant Data Migration Across Heterogeneous NoSQL Databases
- 10’ Andreas Ringlstetter, Stefanie Scherzinger and Tegawende Bissyande. Data Model Evolution using Object-NoSQL Mappers: Folklore or State-of-the-Art? (position paper)
- 20’ Facilitated discussion on Session 2 papers

12:30 – 14:00 Lunch break
Agenda (Afternoon)

• **14:00 – 15:30 Panel & Paper Session 3 (Engineering Data-intensive Systems) — Chair: Tim**
  - 50’ Panel: "Privacy and Big Data"
  - 10' Michele Guerriero, Saeed Tajfar, Damian Andrew Tamburri and Elisabetta Di Nitto. Towards A Model-Driven Design Tool for Big Data Architectures
  - 10' Hong-Mei Chen, Rick Kazman, Juan Garbajosa and Eloy Gonzalez. Toward Big Data Value Engineering for Innovation
  - 10' Ibtehal Noorwali, Darlan Arruda and Nazim Madhavji. Understanding Quality Requirements in the Context of Big Data Systems
  - 10’ Facilitated discussion on Session 3 papers

• **15:30 – 16:00 Afternoon break**

• **16:00 – 17:30 Paper Session 4 (Applications and Industry) — Chair: Luciano**
  - 10’ Saeed Zareian, Marios Fokaefs, Hamzeh Khazaei, Marin Litoiu and Xi Zhang. A Big Data Framework for Cloud Monitoring
  - 10’ Rahul Krishna, Zhe Yu, Amritanshu Agrawal, Manuel Dominguez and David Wolf. The “BigSE” Project: Lessons Learned from Validating Industrial Text Mining
  - 10’ Hong-Mei Chen, Rick Kazman, Ira Monarch and Ping Wang. Predicting and Fixing Vulnerabilities Before They Occur: A Big Data Approach (position paper)
  - 20’ Facilitated discussion on Session 4 papers
  - 10’ Closing
Session organisation

10’ [ ] Paper #1 presentation

10’ [ ] Paper #2 presentation

... [ ]

10’ [ ] Paper #n presentation

10--20’ [ ] Facilitated discussion on the papers and on the topic of the session
• Members of the PC
  • Kenneth Anderson, U Colorado Boulder, US
  • Titus Barik, North Carolina State U, US
  • Olga Baysal, U Montréal, CA
  • Ayse Basar Bener, Ryerson U, CA
  • Hong-Mei Chen, U Hawaii at Manoa, US
  • Ed Curry, INSIGHT, IE
  • Bojan Cukic, West Virginia U, US
  • Massimiliano Di Penta, U Sannio, IT
  • Jörg Dörr, Fraunhofer IESE, DE
  • Fabiana Fournier, IBM, IL
  • Roger Kilian Kehr, Huawei, DE
  • Michele Lanza, U Lugano, CH
  • Philipp Leitner, U Zurich, CH
  • Grace Lewis, SEI, US
  • Mehdi Mirakhorli, Rochester Institute of Technology, US
  • Nazim Madhavji, U Western Ontario, CA
  • Audris Mockus, U Tennessee, US
  • Meiyappan Nagappan, Queens U, CA
  • Tien Nguyen, Iowa State U, US
  • Bernhard Schätz, TU Munich, DE
  • Flavio Villanustre, LexisNexis Risk Solutions, US
Acknowledgments (2)

- ICSE Organizers
- Supporter

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Call for papers
Special Issue on "Big Data Software Engineering"

Editors
Luciano Baresi (Politecnico di Milano, Italy)
Tim Menzies (NC State, USA)
Andreas Metzger (U. Duisburg-Essen, Germany)

Deadline for submission: July 31, 2016
Session 1 - Keynote: Industrial Big Data Analytics - Lessons from the Trenches

Dr. Flavio Villanustre
Leader HPCC Systems, VP Technology LexisNexis Risk Solutions

- Responsible for Information and Physical Security, overall platform strategy and new product development
- Involved in projects on Big Data integration, analytics and Business Intelligence
- Previously, Director of Infrastructure for Seisint
- Prior to 2001, roles at different companies including Infrastructure, Information Security and Information Technology
- Involved with open source community for over 15 years, including founding the first Linux User Group in Buenos Aires (BALUG) in 1994
Briefly state your name, organization, and provocative statement concerning Big Data
Session 3 - Panel: “Privacy and Big Data”

• Panelists:
  – Rob Deline, Microsoft Research
  – Georgios Gousios, Radboud University Nijmegen
  – Tim Menzies, North Carolina State University
  – Flavio Villanustre, LexisNexis Risk Solutions

• Approach
  – 5 min. pitch of each panellist
  – Open the floor for discussions
Closing Remarks

• Thanks to keynote, presenters, attendees, …

• Looking forward to seeing you all at…