Message from the Workshop Chairs
BIGDSE 2016

Big Data is about extracting valuable information from data in order to use it in intelligent ways such as to revolutionize decision-making in businesses, science and society. Big Data may open up radical new ways and unprecedented opportunities of attacking software engineering problems. Already now forums, forges, blogs, Q&A sites, and social networks, provide a wealth of data that may be analysed to uncover new requirements, provide evidence on usage and development trends of application frameworks, or to perform empirical studies involving real-world software developers. In addition, real-time data collected from mobile and cloud applications may be analysed to detect user trends, preferences, and optimization opportunities.

BIGDSE 2016 features contributions and discussions that explore opportunities that Big Data technology offers to software engineering, both in research and practice (“big data for software engineering”). BIGDSE also looks at the software engineering challenges imposed by building Big Data software systems (“software engineering for big data”).

We followed a thorough review process to ensure high quality papers and presentations. Each of the 21 papers submitted to the workshop was reviewed by three program committee members whose identity was not revealed to the any of the paper authors. The reviewers did not review papers for which they had a conflict of interest. After deliberation, 13 papers were accepted for publication and presentation at the workshop.

In addition to presentations of accepted papers and a panel on “privacy and big data”, we cordially acknowledge the keynote given by Flavio Villanustre (Leader of HPCC Systems and VP Technology for LexisNexis Risk Solutions) on “Industrial Big Data Analytics: Lessons from the Trenches”.

We want to thank the authors and the program committee for their dedication and excellent work, without which the workshop would not have been possible. We also extend our gratitude to the organizers of ICSE 2016 for supporting us in the logistics of the workshop and the publication of its proceedings.

Up-to-date information on the workshop can be found at: https://sse.uni-due.de/bigdse16/

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