

In-Vivo Analytics for Big Software Quality

17 - 21 September 2018 @Oort

The workshop aimed to bring junior and senior researchers as well as the BSR group together to address how Big Data analysis techniques on runtime data could be used to address software quality in DevOps. In addition, participants were encouraged to discuss core challenges, and develop cooperation ideas in the areas of log data analysis, requirements engineering, security and privacy, automated testing and program repair, and distributed systems.

The workshop brought together approximately 40 participants from different areas, such as software reliability, requirements engineering, information systems, distributed systems, software engineering, and security & privacy to discuss their work's impact in the context of big software quality and potentially find synergies.

The program consisted of keynotes from all areas, shorter talks from selected participants, multiple formal and informal discussions, and a writer's workshop.

In breakout groups, we discussed topics of interest in an interdisciplinary setting. This included topics ranging from privacy/utility trade-offs to human aspects of tool integrations in software analytics that were then presented to all participants. Our aim was to define short-term, important research hypotheses that advance our understanding of the field.

We also experimented with more novel approaches to workshop interaction by holding a writer's and collaborator's workshop that aims to simulate a programme committee meeting. A small group of participants studies one or more papers submitted by other participants in form of a review. The primary objective of the session is to provide feedback on the paper to the author. The format was very well received by our participants. We documented our experience in a more detailed write-up¹.

The Lorentz Center provided us with a remarkable venue and support. It was an enabler for both organizers and participants to put a focus on scientific aspects. The diverse space allowed us to form breakout groups for discussions, hold plenary sessions, and present both talks and demonstrations.

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¹ <https://avandeursen.com/2018/07/29/writers-and-collaborators-workshops/>