REFSQ 2019 Doctoral Symposium Preface

This CEUR volume contains the research proposals accepted for presentation at the Doctoral Symposium hosted by the 25th International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2019). The REFSQ 2019 Doctoral Symposium was held the day before the conference, in Essen, Germany, on March 18th, 2019.

The objective of the doctoral symposium is to provide junior researchers, PhD students, with the opportunity to present their work to the REFSQ community and receive valuable feedback from a panel of experts in Requirements Engineering (RE). The symposium also aims at facilitating the exchange of ideas among young researchers. Three papers were selected for presentation at REFSQ 2019 Doctoral Symposium and presented and discussed in the first session. The second session included a keynote and general feedback from the panel of experts.

In the first presentation, Abhimanyu Gupta proposed the automated creation of conceptual models, such as entity-relationship diagrams or finite state machine diagrams, while developing user stories. To achieve this aim, he describes a solution and prototype tool based on the Behavior Driven Development (BDD) scenario template for user stories.

Then, Florian Pudlitz presented his idea to develop a test environment for autonomous systems that is based on simulations. It shall automatically connect requirements specifications with results of simulation runs and shall analyze whether the information in requirements documents reflects the complex situations in reality.

In the third presentation Mohammed El Amin Tebib describes an approach to devise RE games. By gamification, he aims to make methods, tools and activities more attractive and easier to be learned and used.

Following the goal of fostering discussion, each paper was assigned 30 minutes, half of the time for presentation, and half of the time for discussion. Experienced members of the RE community served as a panel of experts, and provided feedback to the PhD students presenting their work. The event closed with an excellent keynote talk given by Prof. Dan Berry, University of Waterloo, Canada, entitled "How to Finish that Damn PhD".

We would like to thank all the people involved in the organization of the event: the REFSQ 2019 organizers, who supported the event; the panel of experts, who provided the reviews and recommendations to the PhD students; and the PhD students who submitted their work and participated in the REFSQ 2019 Doctoral Symposium.

Thorsten Weyer, University of Duisburg-Essen, Germany
Anne Koziolek, Karlsruhe Institute of Technology, Germany

Panel of Experts

- Daniel M. Berry, University of Waterloo, Canada

- Xavier Franch, Universitat Politècnica de Catalunya, Spain

- Martin Glinz, University of Zurich, Switzerland

- Frank Houdek, Daimler AG, Germany

- Angelo Susi, Fondazione Bruno Kessler - IRST CIT, Italy