CRE'18+ FIRE'18 Workshop

March 19, 2018, Utrecht, The Netherlands
In conjunction with REFSQ 2017.

Preface

This year the workshop on Continuous Requirements Engineering (CRE) and the Workshop on Facilitating Inclusive Requirements Engineering (FIRE) were united to a full day workshop. Many thanks go to the workshop organizers of REFSQ Paola Spoletini and Klaus Schmid. Both supported the organization of the workshop in an excellent way.
The program was merged. However, the selection of papers was performed by different committees. Therefore, we would like to split the preface accordingly.

We are pleased to present the CRE'18 part of the CRE+FIRE workshop proceedings. During the last years, we had successful workshops in conjunction with the Working Conference on Requirements Engineering: Foundation for Software Quality. We started in Essen, in 2015, went to Gothenburg in 2016, and were back to Essen in 2017. We are very glad that REFSQ 2018 provided us the opportunity to organize the fourth version of the Continuous Requirements Engineering workshop.

Currently, there are a lot of discussions how requirements engineering fit into agile development processes and DevOps. Continuous requirements engineering can only be successful if it combines rigid engineering principles with agility, emergence, and spontaneity to support sustainability and viability of the systems under development.

Also smaller scale enterprises need new approaches, methods and tools to be capable to embrace the growing variety of opportunities and challenges offered by fast changing and hardly predictable environment. In this type of systems, continuous requirements engineering also can be a solution if integrated with management and design approaches applicable for smaller scale enterprises.

In the call for papers of the workshop it was mentioned, that the challenge is to support continuous requirements engineering approaches, methods, models, and tools for multi-scale fast changing enterprises and predictable and unpredictable configurations of enterprise networks.

It was asked for reports about new ideas and experience reports. Also welcomed were reports about continuous requirements engineering approaches that not yet have been applied to continuous engineering but have the potential for that. A cross-pollination of experiences in modeling and requirements management was assumed.

The selection of papers was based on the reviews of an international program committee that included the following scientists

- Robert Andrei Buchmann, Babes-Bolyai University of Cluj-Napoca, Rumania
- Steve Goschnik, Swinburne University, Australia

- Janis Grundspenkis, Riga Technical University, Latvia
- Stijn Hoppenbrouwers, University of Arnhem and Nijmegen, The Netherlands
- Kurt Sandkuhl, University of Rostock, Germany
- Chris Stary, Johannes Kepler University Linz, Austria
- Janis Stirna, Stockholm University, Sweden
- Eric-Olof Svee Stockholm University, Sweden
- Michael Unterkalmsteiner, Blekinge Institute of Technology, Sweden

Special thanks go to all our reviewers. They provided very helpful hints to the authors and delivered their reviews within a very short time period. Each paper was reviewed by at least three colleagues. From 7 submissions, the PC accepted 5 papers.

The accepted papers provide were excellent basis for the discussions in the workshop. Additionally, the CEUR publication gives scientists the opportunity to catch some interesting ideas and to contact authors for further discussions, even that they were not able to participate in the workshop in Utrecht.

Special thanks go to the authors for their excellent cooperation in preparing papers. Additionally, we would like to thank Stijn Hoppenbrouwers for providing an interesting keynote entitled: "The Collaboration Perspective on Continuous Development".

We hope that interesting discussions in the workshop will cause fruitful follow up activities.

We are pleased to present the FIRE'18 part of the CRE+FIRE workshop proceedings held at the 24th Intl. Working Conference on Requirements Engineering: Foundation for Software Quality, held on March 19th in Utrecht, the Netherlands.

The aim of FIRE is to stimulate a discussion on the ways in which the requirements engineering (RE) toolbox with its heavy reliance on verbal techniques can be expanded and refined to be more inclusive and thus better support the needs of special groups of people as well as other species, entities and environments.

This year, each paper was reviewed by three members of the workshop's program committee, and on the basis of their recommendations, 3 papers were selected for presentation and publication in the workshop proceedings of the combined FIRE+CRE workshop. The selection was based on reviews by the international program committee, including the following researchers:

- Daniel Berry, University of Waterloo, Canada
- Sybren de Kinderen, University of Duisburg-Essen, Germany
- Alan Hartman, University of Haifa, Israel
- Ivan S. Razo-Zapata, Luxembourg Institute of Science & Technology, Luxembourg
- Eduard C. Groen, Fraunhofer IESE, Germany
- Irit Hadar, University of Haifa, Israel
- Monica Cameirao, Madeira ITI, Portugal

- Ziv Dubinsky, Metabolic Robots, Israel
- Joelle Alcaidinho, Intel Labs, United States

We thank all the members of the program committee for their effort in the review process, fundamental to maintaining a high standard of quality. We thank the organizers of REQSQ for their help in organizing FIRE, and all the researchers interested in inclusive requirements engineering who supported this event by submitting their work and actively participating in it.

Rostock, Riga, Bristol, Haifa 1st March, 2018

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