

REFSQ 2019: Joint Proceedings of Workshops, Industrial Track, Doctoral Symposium, Live Studies, and Posters and Tools Track

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1 Preface

The 25th International Conference on Requirements Engineering: Foundation for Software Quality took place from March 18th to March 21st, 2019 in Essen, Germany. REFSQ Working Conferences aim at providing a forum for new and innovative ideas and approaches to successful Requirements Engineering (RE) and for exchange between researchers and practitioners. The special theme of REFSQ'19 is “Laying the foundation for Speed and Flexibility in Development” to highlight the need of contributions related to increased pace of developing, deploying, using, and evolving software based systems and services.

The REFSQ conferences also have a tradition of hosting associated events, where participants are able to focus on emerging topics of RE as the foundation of software quality. The co-located events kept also in mind the special theme of the conference.

On the workshop day, March 18th, five workshops and the doctoral symposium were organized, whereas the live studies and posters and tools track session took place during the remaining conference days. The five workshops at REFSQ'19 were carefully selected based on their quality, attractiveness, and their potential to attract attendants. This led to the following workshops:

- NLP4RE: 2nd Workshop on Natural Language Processing for Requirements Engineering (organized by Fabiano Dalpiaz, Alessio Ferrari, Xavier Franch, and Cristina Palomares): Natural language processing (NLP) has played an important role in several computer science areas and requirements engineering (RE) is not an exception. In the last years, the advent of massive and very heterogeneous natural language (NL) RE-relevant sources, like tweets and app reviews, has attracted even more interest from the RE community. The main goal of the NLP4RE workshop is to set up a regular meeting point for the researchers on NLP technologies in RE in which the advances, challenges, and barriers that they encounter may be communicated, and collaborations may emerge naturally. In this direction, NLP4RE19 includes also a showcase of industrial NLP tools for RE organized by the Industry Track co-chairs of REFSQ19.
- CREARE: 8th International Workshop on Creativity in Requirements Engineering (organized by Daniel M. Berry, Maya Daneva, Eduard C. Groen, and Andrea Herrmann): The CreaRE workshop brings together RE practitioners and researchers who are interested in discussing the role of creativity in RE, the array of creativity techniques that can be applied to RE, and the ways in which creativity techniques from other disciplines can be leveraged in RE. It also aims at raising awareness in the RE community of the importance of creativity techniques, and creative elements in RE and development processes.
- D4RE: Second International Workshop on Learning from Other Disciplines for Requirements Engineering (organized by Anne Hess, Marcus Trapp, Kim Lauenroth, Norbert Seyff and Oliver Karras): The D4RE workshops aims to bring together researchers and practitioners who are interested in discussing the question What can requirements engineering learn from other disciplines?. The overall goal of the workshop is to

raise awareness for this interesting topic in the RE community and foster future collaborations across the boundaries of requirements engineering and software engineering.

- **Make Your Own Vision Video NOW!** (organized by Kurt Schneider, Oliver Karras, Melanie Busch and Larissa Chazette): Vision videos are often used during the early phases of a project to complement textual representations. They can illustrate previously abstract visions of the product and its use. By creating, elaborating, and discussing vision videos, stakeholders and developers gain an improved shared understanding of how those abstract visions could be translated into concrete scenarios. Creating such videos might be difficult and expensive. This interactive workshop has the goal to demonstrate in practice what it takes to produce a short vision video and illustrate the affordable video approach by using inexpensive material and equipment.
- **The ESSENCE of RE** (organized by Michael Striewe and Sebastian Brandt): The goal of the workshop is to create a set of commonly known RE practices as formally modeled practices according to the ESSENCE standard. The ESSENCE standard provides a solid basis in terms of terminology and building blocks, but only comes to life for every-day use by modeling actual practices. So, the set of ESSENCE practices created in the workshop will form a good starting point for those persons who want to start using ESSENCE while having a strong background in RE.

The 2019 REFSQ call for workshops welcomed both traditional and paperless workshops. In particular, “Make Your Own Vision Video NOW!” and “The ESSENCE of RE” have been proposed in a paperless format, so they will be not included in this volume as there are no associated, peer-reviewed papers.

These proceedings contain also the content of the following tracks:

REFSQ’18 Doctoral Symposium The goals of the Doctoral Symposium (organized by Thorsten Weyer and Anne Koziolk) is to provide PhD students with an opportunity to present and discuss their work in early as well as advanced stages of their doctoral research, to provide all participant students with advice and suggestions from a panel of senior researchers, and to facilitate interaction among all the participants.

Live Studies The main goal of the Live Studies (organized by Maya Daneva) is to stimulate discussion on how to assess state-of-art, how to generalize from empirical studies, and how to set up longitudinal studies.

Posters and Tools Track The Posters and Tools Track (organized by Mehrdad Sabetzadeh, Andreas Vogel-sang) is a forum to present posters and demonstrate tools covering any aspect of RE. It gives researchers the chance to present their most recent work and obtain early feedback on ongoing research.

We would like to thank all Workshop, Doctoral Symposium, Live Studies Track, and Posters and Tools Track Chairs as well as their Program Committees for their diligence in selecting the papers and ensuring their high scientific quality.