



Preliminary Call for Papers

CRE'18

4th Workshop on Continuous Requirements Engineering

March 19, 2018, Utrecht, Netherlands

In conjunction with **REFSQ 2018**

Engineering approaches are or should be grounded on sound elaborated systems models, enterprise architectures, ontologies, and information logistics representations. Engineering approaches should also support transparency, reliability, and security in the whole lifecycle of the system. Currently engineering approaches are designed and are mainly applied to large enterprises that have relatively long change cycle times. When the changes are more frequent and higher flexibility is required, it is necessary to adopt continuous engineering approaches; especially during the requirements stage. Continuous requirements engineering is proposed to combine rigid engineering principles with agility, emergence, and spontaneity to support sustainability and viability of systems.

Managing of smaller scale enterprises in a turbulent environment also requires new approaches, methods, and tools to make them capable of embracing the growing variety of opportunities and challenges offered by a fast changing environment. Thus, continuous requirements engineering can be a solution here if integrated with management and design approaches applicable for smaller scale enterprises.

The aim of this workshop is to support continuous requirements engineering approaches, methods, models, and tools for multi-scale fast changing enterprises and both predictable and unpredictable configurations of enterprise networks. Reports about new ideas and of experience in this context will be presented and discussed. Also welcomed are reports about continuous requirements engineering approaches that have not yet been applied to continuous engineering but have the potential to do so. A cross-pollination of experiences in modeling and requirements management is assumed.

There are three types of submissions: position papers, research papers and reports. All types should treat a topic from the workshop themes.

- **Position papers (2-6 pages):** Such papers should state the position of the authors regarding any topic of the workshop.
- **Reports (5-8 pages):** Experience reports and case studies are expected to be submitted in this category.
- **Research papers (5-15 pages):** Research papers should describe innovative approaches.

Publication

Workshop contributions will be published in the in the joint REFSQ workshop proceedings at <http://ceur-ws.org>. Workshop papers should be formatted following the Springer's LNCS formatting guidelines (templates are available at <http://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>) Submissions will be collected via the EasyChair online submission system at: <https://easychair.org/conferences/?conf=cre18>. Selected extended papers will be published in the journal Complex Systems Informatics and Modeling Quarterly <https://csimq-journals.rtu.lv/>.

CRE'18 Website

<https://wwwswt.informatik.uni-rostock.de/CRE18/>



Workshop themes include but are not limited to:

- CRE theory
- Methods for CRE
- Models in CRE
- Tools for CRE
- Knowledge elicitation in CRE
- Requirements monitoring for CRE
- Enterprise architectures and CRE
- CRE for usability and user experience
- Security handling in CRE
- Usability versus security conflicts in CRE
- Emergence handling in CRE
- Ontologies and CRE
- Analytics for CRE
- Agility in CRE
- Spontaneity in CRE
- Transparency in CRE
- Compliance and CRE
- Capability impact on CRE
- CRE for cloud services
- CRE for adaptive systems and digital ecosystems
- ERP and CRE
- CRE for SMEs
- CRE for virtual enterprises
- CRE for IoT

Important dates:

- Workshop Paper Submission no later than January 15, 2018
- Workshop Paper Notification no later than February 5, 2018
- CRC of the Workshop Papers no later than February 26, 2018
- Workshops: February 27, 2018

Programm Committee Chairs

Peter Forbrig, University of Rostock, Germany
Marite Kirikova, Riga Technical University, Latvia

Programm Committee (may change)

Robert Buchmann, Babes-Bolyai University of Cluj-Napoca, Romania
Neil Ernst, Software Engineering Institute, USA
Peter Forbrig, University of Rostock, Germany
Steve Gochnick, University of Melbourne, Australia
Janis Grundspenkis, Riga Technical University, Latvia
Stijn Hoppenbrouwers, HAN University of Applied Sciences, the Netherlands
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