RCoSE'17

3nd International Workshop on
Rapid Continuous Software Engineering @ ICSE 2017
May 22, 2017, Buenos Aires, Argentina

Organisation
- Matthias Tichy, Ulm University, Germany
- Jan Bosch, Chalmers University of Technology, Sweden
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- Helena Holmström Olsson, Malmö University, Sweden
- Eduardo Almeida, University of Bahia, Brazil

Program Committee
- tbd.

Important Dates
- Abstract Submission: Jan 13, 2017
- Paper Submission: Jan 20, 2017
- Notification: Feb 17, 2017
- Camera ready: Feb 27, 2017
- Workshop: May 22, 2017

In cooperation with the DFG priority program 1593 "Design for Future – Managed Software Evolution"

Aims and Scope
Today, software development is conducted in increasingly turbulent business environments. Typically, fast-changing and unpredictable markets, complex and changing customer requirements, pressures of shorter time-to-market, and rapidly advancing information technologies are characteristics found in most software development projects. To address this situation, agile practices advocate flexibility, efficiency and speed. While many software development companies have indeed succeeded in adopting agile practices in parts of their organisation, the focus for many organisations is predominantly at the team level. The other functions in the organisation, including customer relations, product management, R&D management and software release, in many companies still work in traditional slow cycles, measured in months and years.

Continuous software engineering refers to the organisational capability to develop, release and learn from software in rapid parallel cycles, typically hours, days or very small numbers of weeks. This includes determining new functionality to build, prioritising the most important functionality, evolving and refactoring the architecture, developing the functionality, validating it, releasing it to customers and collecting experimental feedback from the customers to inform the next cycle of development.

Reaching this goal requires crosscutting research which spans from the area of process and organisational aspects in software engineering to the individual phases of the software engineering lifecycle and finally to live experimentation to evaluate different system alternatives by users feedback. Consequently, the workshop aims to bring the research communities of the aforementioned areas together to exchange challenges, ideas, and solutions to bring software engineering a step further to being a holistic continuous process.

RCoSE 2017 is co-located with ICSE 2017, the International Conference on Software Engineering (see http://2017.icse-conferences.org), in Buenos Aires, Argentina. RCoSE will be a highly interactive workshop with a strong emphasis on discussions.

Topics of Interest
As a summary, topics relevant to the scope of the workshop include rapid continuous software engineering as described above and specifically the following:
- agile practices
- relations between agile practices and the specific development phases, e.g., requirements engineering, architectural design, programming languages, validation and verification
- organisational aspects of agile processes
- tools supporting continuous software engineering
- application / system monitoring
- live and automatic experimentation and quick feedback of experimental results
- usability / human computer interaction
- software evolution
- software maintenance

Paper Submission Details
We are soliciting full research papers (up to 7 pages), position papers (up to 4 pages), and industrial abstracts (1 page). Full research papers present original and evaluated research, position papers describe novel ideas, identified challenges, or experiences related to the workshop's theme, and industrial abstracts report from challenges and success stories from practice. The paper has to follow ICSE 2017 formatting and submission instructions:

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http://2017.icse-conferences.org/submission-guidelines
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Please submit your abstract and paper using the EasyChair page for the workshop:
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https://www.easychair.org/conferences/?conf=rcose2017
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Design For FUTURE

Further Information
Email: rcose2017@easychair.org
Home page: http://continuous-se.org/RCoSE2017