Message from the RCoSE 2018 Chairs

Rapid continuous software engineering refers to the organizational capability to develop, release and learn from software in very short rapid cycles, typically hours, days or very small numbers of weeks. This requires not only agile processes in teams but in the complete research and development organization. Additionally, the technology used in the different development phases, like requirements engineering and system integration, must support the quick development cycles. Finally, automatic live experimentation for different system alternatives enables fast gathering of required data for decision making.

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
- Organizational 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

The fourth Rapid Continuous Software Engineering workshop (RCoSE 2018) includes a keynote and 9 paper presentations divided into three sessions. The first session is about tooling and applications for continuous software engineering. In the second session, the presenters report about humans and their role in continuous software engineering. The third session, “Continuous *”, includes presentations about continuous security compliance, continuous experimentation and an industry talk about continuous delivery at scale.

We would like to thank the program committee for their work on the reviews and the discussions during the review process.

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