2nd Workshop on Rapid Continuous Software Engineering (RCoSE)

Introduction

Matthias Tichy, Jan Bosch, Michael Goedicke, and Brian Fitzgerald
Current State

- Fast-Changing and unpredictable markets, complex and changing customer requirements, pressure of time-to-market
“If you are not moving at the speed of the marketplace you’re already dead – you just haven’t stopped breathing yet”

Jack Welch
Current State

- Fast-Changing and unpredictable markets, complex and changing customer requirements, pressure of time-to-market
- Long-Term Goal: Develop, release and learn from software in rapid parallel cycles, typically hours, days or very small numbers of weeks
- Agile processes are part of the solution, but parts are still missing:
  - Adaption of the technology for all different phases of engineering to support for parallel engineering of software
  - Change of the whole development organization (not only on a team level in the development phase)
  - Support for live experimentation (to quickly learn from customers)
RCoSE

- Aims of the workshop:
  - bring the research communities of the aforementioned areas together to exchange challenges, ideas, and solutions for continuous software engineering
- Relevant topics:
  - agile practices
  - relations between agile practices and the specific development phases
  - 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 maintainance
Key Numbers

- Submissions: 10 papers from 4 countries (down from 16 last year)
- PC members: 13 (2 additional external reviewers)
- Reviews: 30 (3 reviews per paper)
- Accepted papers: 8 papers from 3 countries
- Acceptance rate: 0.80% (up from 0.53% from last year)
- Two submissions invited for presentation
Distribution of Authors

Belgium: 10%
Finland: 41%
Germany: 21%
Sweden: 28%
Distribution of Participants

Participants

- Finland: 42%
- Germany: 21%
- Sweden: 16%
- Denmark: 5%
- Ireland: 11%
- Belgium: 5%
Special Issue from RCoSE 2014

- Submissions: 16 (4 extended papers from RCoSE 14)
- Decisions
  - Reject: 2
  - Revise: 4
  - In-Review: 10 (including 1 in 2\textsuperscript{nd} round of review)

- Very difficult to get reviewers
- Remaining decisions should be out before midsommar

- Another special issue at JSS for RCoSE 2015
Program overview

• Three sessions on:
  — Technology Aspects (4 papers) (Chair: Jan Bosch)
  — Process Aspects (3 papers) (Chair: Brian Fitzgerald)
  — Continuous * (3 papers) (Chair: Michael Goedicke)

• Lively interactions

• Discussion time on Challenges & Future Research Directions