

RoSE 2018

First International Workshop on Robotics Software Engineering

Co-located with the International Conference on
Software Engineering (ICSE 2018)
May 27 – June 3, 2018 – Gothenburg, Sweden
<http://tinyurl.com/RoSE2018>

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Robotics is one of the most challenging domains for software engineering. Deploying even simple applications requires integrating solutions from experts of various domains, including navigation, path planning, manipulation, localization, human-robot interaction, etc.

Integration of modules contributed by respective domain experts is one of the key challenges in engineering software-centric systems, yet only one of the cross-cutting software concerns crucial to robotics. As robots often operate in dynamic, partially observable environments additional challenges include adaptability, robustness, safety, and security.

The **goal** of RoSE 2018 is to bring together researchers from participating domains with practitioners to identify new frontiers in robotics software engineering, discuss challenges raised by real-world applications, and transfer latest insights from research to industry.

RoSE 2018 will solicit contributions from both academic and industrial participants, thus fostering active synergy between the two communities.

RoSE 2018 welcomes the following types of contributions:

- **research papers** presenting novel contributions on advancing software engineering in robotics (6-8 pages)
- **challenge showcase papers** describing robotics challenges considered insufficiently addressed from an industry perspective (4-6 pages)
- **vision papers** on the future of software engineering in robotics (2-4 pages)

The submission and review process will be done using EasyChair (<http://www.easychair.org/?conf=rose2018>).

Important Dates

- Submission deadline: 5 February 2018
- Notification of acceptance: 5 March 2018
- Camera-ready version: 19 March 2018