RoSE 2019

Second International Workshop on Robotics Software Engineering

Co-located with the International Conference on Software Engineering (ICSE 2019)
May 27, 2019 — Montréal, QC, Canada
https://rose-workshops.github.io/rose2019/

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Robotics is one of the most challenging domains for software engineering (SE). Deploying even simple applications requires integrating solutions from experts of various domains, including navigation, path planning, manipulation, 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 2019 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 2019 will solicit contributions from both academic and industrial participants, thus fostering active synergy between the two communities. Prospective participants are invited to submit:

o research papers presenting novel contributions on advancing SE in robotics (max. 8 pages);

o challenge showcase papers describing robotics challenges considered insufficiently addressed from an industry perspective (max. 6 pages);

o lessons learned papers describing lessons learned in the collaboration between the two communities of SE and robotics (max. 6 pages);

o vision papers on future of SE in robotics (max. 4 pages);

o tool and project papers on SE in robotics (max. 4 pages).

Workshop papers must follow the ICSE 2019 Format and Submission Guidelines, but will use a single blind submission process. All submitted papers will be reviewed on the basis of technical quality, relevance, significance, and clarity by the program committee. All workshop papers should be submitted electronically in PDF format through the EasyChair website at https://easychair.org/conferences/?conf=rose2019. Accepted papers will become part of the workshop proceedings.

Important Dates

- Submission deadline: 1 February 2019

- Notification of acceptance: 1 March 2019

- Camera-ready version: 15 March 2019