CALL FOR PAPERS

3rd International Workshop on Rigorous Methods in Software Engineering (RMSE 2019)


RMSE 2019 at a Glance

The workshop RMSE is dedicated to rigorous methods which are used in different fields of software engineering: rigorous methods for specification, verification and optimization of software, rigorous methods for different kinds of software analysis (modeling, business rule extraction etc.), software testing which based on rigorous methods (model-based testing, white box testing etc.), re-engineering problems (model extraction from source code, language migration etc.).

The workshop aims to bring together the researchers from different research groups, both academics and practitioners, working on the aspects of rigorous techniques for specification and analysis of distributed software and cyber-physical systems, computer simulation as a tool for the study of large-scale distributed system and networking.


Previous workshops are described at

Organisers:
Vladimir Peschanenko (Kherson State University, Ukraine),
Grygoriy Zholtkevych (V. N. Karazin Kharkiv National University, Ukraine), and
Mykola Nikitchenko (Taras Shevchenko National University of Kyiv, Ukraine)

Submission Guidelines

The language of the Workshop is English. All submissions shall be annotated by the key words/phrases freely chosen by the authors. At least three and at most five key phrases should be provided. All submissions must comply with the Springer CCIS format guidelines. Formatting instructions and template as well as submission guidelines are provided for your convenience at the ICTERI 2019 web site: http://icteri.org/icteri-2019. Submissions must be made in .pdf by using EasyChair System: https://easychair.org/conferences/?conf=icteri2019

Please submit your paper to the RMSE 2019 Workshop Track.

The submitted papers for the RMSE 2019 workshop should be one of the following types:

1) Regular (Full) Research or Survey Papers. The research papers in this category are the reports on the accomplished research work; they present a novel method, technique or analysis with appropriate empirical or other type of evaluation as a proof of validity. Survey papers may include a reasonable review placing the addressed problem onto the state-of-the-art landscape and analyzing how far current solutions fall short; clear definitions and argumentation are also expected in terms of qualitative or quantitative representation of the main characteristics of the problem. Evaluation criteria: originality, technical soundness, the soundness of the problem analysis, the soundness of the real use.

Page limit: 16 CCIS pages

2) Short Research Papers and Extended Abstracts. The papers in this category are the short reports of the preliminary results or describing the work in progress.

Evaluation criteria: originality, technical correctness, and potential value of the planned results in a short to mid-term perspective.

Page limit: 8 CCIS pages for short papers; 4 CCIS pages for extended abstracts
3) Industry Experience Reports or Case Studies. The papers in this category report on industrial deployments of ICT.

Evaluation criteria: significance and practical relevance, technical soundness, and accompanying evaluation or industrial validation.

Page limit: 12 CCIS pages

4) Abstracts.

Abstracts aim to give short presentations of students' work on the topics of the workshop.

Page limit: 4 CCIS pages

List of Topics

– rigorous and formal techniques for specification and analysis of software;
– mathematical modeling and computer simulation of systems;
– mathematical models of information systems and processes;
– software re-engineering.

Program Committee

Artur Kornilowicz, University of Bialystok, Poland, co-chair,
Grigoriy Zholtkevych, V. N. Karazin Kharkiv National University, Ukraine, co-chair,
Sergiy Bogomolov, The Australian National University, Australia,
Gabriel Ciobanu, “Alexandru Ioan Cuza” University of Iasi, Romania,
Anatoliy Doroshenko, National Technical University of Ukraine Igor Sikorsky Kyiv Polytechnic Institute, Ukraine,
Pavel Drobintsev, Saint-Petersburg State Polytechnic University, Russian Federation,
Ioachim Drugus, Institute of Mathematics and Computer Science, Moldova,
Vsevolod Kotlyarov, Saint-Petersburg State Polytechnic University, Russian Federation,
Mykola Nikitchenko, Taras Shevchenko National University of Kyiv, Ukraine,
Oleksandr Letychevskyi, Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine, Ukraine,
Michael Lvov, Kherson State University, Ukraine,
Alexander Lyaletski, Institute of Mathematics and Computer Science, Moldova,
Vladimir Peschanenko, Kherson State University, Ukraine,
Wolfgang Schreiner, Research Institute for Symbolic Computation of Johannes Kepler University Linz, Austria,
Stepan Shkliniak, Taras Shevchenko National University of Kyiv, Ukraine,
Volodymyr Skobelev, Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine, Ukraine.

Publication

Accepted papers for the workshop will be published as a part of the ICTERI 2019 Conference Proceedings volume (RMSE volume). All accepted papers should be presented at the workshop by one of the authors and should be registered as participant of the ICTERI 2019. Otherwise such papers will be eliminated from the Proceedings volume.

The best accepted and presented at the conference papers of RMSE 2019 may be selected by the ICTERI 2019 steering committee, based on their presentation at the workshop, and invited to be extended and revised for the post-proceedings of ICTERI 2019.

Alternatively, the best RMSE 2019 papers may be invited to be extended and published in the special issues of Ukrainian or International Journals:

- «Problems of Programming»
- «Information Technology in Education» (pedagogical sciences)

The abstracts of accepted papers will also be published in the Workshop Abstract Volume by the local Ukrainian publisher.

Venue

The workshop will be held at the Kherson State University

No Fees

The Workshop does not charge any conference fee. Participation is FREE, expenses are covered by ICTERI 2019 sponsors.

Important dates

(23:59 Hawaii Time)

Paper submission deadline – Monday, 25.03.2019
Acceptance notification – Monday, 22.04.2019
Submission of camera-ready papers – Monday, 06.05.2019
Registration – Monday, 06.05.2019