

CALL FOR PAPERS

We cordially invite you to contribute to the 2nd International Workshop on Reliability Engineering and Computational Intelligence (RECI)

On 14 – 15 November 2022 in Delft, The Netherlands

<https://ki.fri.uniza.sk/RECI2022>

Excellent papers for the 1st RECI workshop demonstrated strong synergy between Reliability Engineering and Computational Intelligence but scientific differences remain. The 2nd RECI workshop attempts to address further integration by a) presenting papers on RECI topics, b) panel discussions about future RECI research and c) a curriculum discussion for an international RECI curriculum.

The workshop is organized by University of Žilina, TNO, Delft University of Technology, and the University of Huddersfield and will be supported by the projects:

- ❑ *Advanced Centre for PhD Students and Young Researchers in Informatics (ACeSYRI)* (Project 610166-EPP-1-2019-1-SK-EPPKA2-CBHE-JP)
- ❑ *New methods development for reliability analysis of complex system* APVV-18-0027, the Slovak Research and Development Agency
- ❑ *Safety Enterprise Architecture*, TNO project 060.51672/01.03: Occupational Safety Innovation/ Huddersfield

Participation

The workshop RECI 2022 will be a hybrid event: we facilitate contributions in-person and online from Delft University of Technology. The organizers believe that the 200 Euro fee for in-person should not be prohibitive for in-person participation. On-line participation will be free of charge. TU Delft hosts the event at the event location 'X' on Mekelweg 8, 2628 CD, Delft, THE NETHERLANDS.

Topics

The workshop develops RECI as a domain by calling papers on current research. This include but is not limited to:

- ❑ Mathematical & computational methods for risk analysis
- ❑ Computational intelligence for risk estimation
- ❑ Digital technologies for reliability engineering
- ❑ Software solutions for testing fault-tolerant systems
- ❑ Data mining and Knowledge discovery
- ❑ Methods based on Artificial Intelligence
- ❑ Accident and incident investigation
- ❑ Human reliability analysis
- ❑ Risk and hazard analysis
- ❑ Software reliability
- ❑ Hardware and software solutions
- ❑ Education, e-learning
- ❑ Trends in RECI

Reliability Engineering and Computational Intelligence Application in Healthcare

Special section “Reliability Engineering and Computational Intelligence Application in Healthcare” will be organized under the workshop. The goal of this section is to discuss relevant topics and

Organizers



Faculty of Management Science and Informatics, University of Žilina, Slovakia



University of HUDDERSFIELD

School of computing and engineering



Delft University of Technology, The Netherlands



Safety and Healthy living

In cooperation with



Chapter of IEEE Reliability Society of the Czechoslovakia Section



European Safety and Reliability Association



Satbayev University, Kazakhstan



Nazarbayev University, Kazakhstan

Supported by



Slovak Research and Development Agency



University-Industry Educational Centre in Advanced Biomedical and Medical Informatics



Advanced Centre for PhD Students and Young Researchers in Informatics



trends of reliability engineering, data mining, and machine learning in healthcare, medicine, and biotechnologies. Topics of this section include but are not limited to:

- ❑ Biomedical engineering
- ❑ Innovative eHealth, Precision medicine, Applications and Products
- ❑ Electronic Health Records and Medical Databases
- ❑ Medical Image Analysis and Biomedical Visualization
- ❑ Computer-Aided Diagnosis
- ❑ Telemedicine, Telehealth and Remote Monitoring
- ❑ Education in eHealth and Telemedicine
- ❑ Legal, Social, Ethical and Financial Aspects

Organization of this section is supported by the project:

- ❑ *University-Industry Educational Centre in Advanced Biomedical and Medical Informatics (CeBMI)* (Project 612462-EPP-1-2019-1-SK-EPPKA2-KA)

Publication

The workshop presentations will not be published as papers. The abstracts of presentation will be accepted at the workshop web-page. Authors of all presentation will be invited to publish papers in the journal CERES (<http://ceres-journal.eu>).

Authors of selected presentations will be invited to prepare the contributions for the book “Reliability Engineering and Computational Intelligence”, which will be published by Springer in series of Studies in Computational Intelligence.

Important dates

Abstract submission (extended)	4 November 2022
Presentation of accepted abstracts	14 - 15 November 2022
Notification of acceptance for publication	10 January 2023
Camera ready format submission	25 January 2023

Submission of contributions

The presentation title, authors, their affiliations and abstract of 1,000 symbols should be submitted to the submission system <https://easychair.org/conferences/?conf=reci2022>.

WE ARE LOOKING FORWARD TO YOUR EXCELLENT CONTRIBUTIONS!

Questions

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