INVITATION TO SPECIAL SESSION SOFTWARE AND MODEL METRICS AND MEASUREMENTS

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ICIST 2019

25th International Conference on Information and Software Technologies

October 10th – 12th, 2019, Vilnius, Lithuania

SCOPE

The special session addresses all aspects related to empirical measurements and metrics for evaluation and estimation of quality, maintainability, usability, reusability, variability, adaptability, reliability, understandability, complexity, cost, performance and other properties and attributes of software artefacts at all levels of abstraction (program, component, interface, model, architecture, framework, repository).

TOPICS

Include, but are not limited to:

– Process and product metrics for variability-intensive systems
– Metrics for variability-intensive systems
– Complexity of UML diagrams and feature models
– Evaluation of software and model quality
– Evaluation and comparison of programming and modelling languages
– Mining of software repositories
– Modelling, measuring, and assessing product and/or process quality
– Prediction of software defects
– Software maintenance metrics and tools
– Software and model metrics
– Evaluation of program comprehension and understandability
– Evaluation of software properties and attributes
– Statistical and information theory methods for software measurement
– Novel methods and tools for supporting software measurements
– Empirical studies on software evolution
– Deep learning and data analytics for software measurement

IMPORTANT DATES

25 05 2019 – Submission of papers.
17 06 2019 – Notification of acceptance.
28 06 2019 – Final manuscripts due.

SUBMISSION OF PAPERS

Authors are invited to submit their papers in English through the conference submission system. Submissions must be original and should not have been published previously. All papers will be peer-reviewed by the ICIST 2019 Program Committee and judged with respect to their quality, originality, and relevance. For further details, please consult the conference web pages.

PUBLICATION

All accepted papers will appear in the ICIST Conference Proceedings (published by Springer as a part of CCIS series) and submitted for indexing to Clarivate Analytics WoS. Selected authors of best papers will be also invited to submit extended versions of their papers to Information Technology and Control journal (ISSN 1392-124X; Clarivate Analytics WoS Impact factor 0.800 (2017))

SPECIAL SESSION CHAIR

Prof. dr. Sanjay Misra
Covenant University, Nigeria /
Atilim University, Turkey
sanjay.misra@covenantuniversity.edu.ng

SPECIAL SESSION CO-CHAIR

Prof. dr. Robertas Damaševičius
Kaunas University of Technology,
Lithuania
robertas.damasevicius@ktu.lt

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The International Conference on Information and Software Technologies (ICIST) is an international annual event, organized by Kaunas University of Technology. In 2019, the University will organize the 25th ICIST Conference from 10th to 12th October in Vilnius, Lithuania.

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