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Leveraging Applications of Formal Methods, Verification, and Validation

6th International Symposium, ISoLA 2014
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and 5th International Symposium, ISoLA 2012
Heraklion, Crete, Greece, October 15–18, 2012
Revised Selected Papers

Springer
Preface

Since its initiation in 2004, the International Symposium on Leveraging Applications of Formal Methods, Verification and Validation (ISoLA, see http://isola-conference.org) has been providing a forum for developers, users, and researchers to discuss issues related to the adoption and use of rigorous tools and methods for the specification, analysis, verification, certification, construction, test and maintenance of software systems from the point of view of their different applications domains. ISoLA explicitly aims at being attractive for researchers and practitioners alike, and features a structure of thematically focused sessions consisting of presentations and panel discussions to underline the symposium’s intention.

In October 2014, ISoLA celebrated its 10th anniversary at Corfu (Greece). Complementing the different thematically focused research tracks of the main symposium, it hosted for the first time a Doctoral Symposium as a scientific and networking event specifically targeted at young academics. Master and PhD students were invited to participate and to present their research ideas and projects, to discuss them with the scientific community, and to establish collaborations in their field of research. It was very well adopted (by the young researchers as well as by several seniors that attended the sessions) and presented high-quality works on a wide range of topics.

This volume combines the proceedings of the 2014 Doctoral Symposium and “Automata Learning in Practice” tutorial with selected contributions from the “Process-Oriented Geoinformation Systems and Applications” and “Processes and Data Integration in the Networked Healthcare” tracks of the 2012 edition of ISoLA, which were not included in the symposium’s on-site proceedings. The collection of papers contained in this volume is the result of a selection and reviewing process that started with a total of 22 contributions. I am very grateful to all those who acted as reviewers for the efforts they put into the selection process and for the valuable feedback they provided, which were essential to ensure high quality content.

November 2016

Anna-Lena Lamprecht
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