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Fourth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications

SQAMIA 2015

Maribor, Slovenia, June 8th – 10th, 2015

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Preface

This volume contains papers presented at the Fourth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2015). SQAMIA 2015 was held during June 8th – 10th, 2015, at the Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor, Maribor, Slovenia.

SQAMIA 2015 continued the tradition of successful SQAMIA workshops previously held in Novi Sad, Serbia (in 2012 and 2013), and in Lovran, Croatia (in 2014). The first SQAMIA workshop was organized within the 5th Balkan Conference in Informatics (BCI 2012). In 2013, SQAMIA became a standalone event intended to be an annual gathering of researchers and practitioners in the field of software quality.

The main objective of the SQAMIA series of workshops is to provide a forum for presentation, discussion and dissemination of the latest scientific achievements in the area of software quality, and to promote and improve interaction and collaboration among scientists and young researchers from the region and beyond. The workshop especially welcomes position papers, papers describing work in progress, tool demonstration papers, technical reports, and papers designed to provoke debate on present knowledge, open questions and future research trends in software quality.

The SQAMIA 2015 workshop consisted of regular sessions with technical contributions reviewed and selected by an international program committee, as well as of six invited talks presented by leading scientists in the research areas of the workshop. In total 10 papers were accepted and published in this proceedings volume. All published papers were double or triple reviewed. We would like to gratefully thank all PC members for submitting careful and timely opinions on the papers.

Our special thanks are also addressed to the program co-chairs, Tihana Galinac Grbac (Croatia), Zoltán Horváth (Hungary), Mirjana Ivanović (Serbia) and Hannu Jaakkola (Finland), for helping to greatly improve the quality of the workshop. We extend special thanks to the SQAMIA 2015 Organizing Committee from the Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor, and the Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, especially to its chair Viktor Taneski for his hard work and dedication to make this workshop the best it can be.

Finally, we thank our sponsors for supporting the organization of this event. We are especially thankful for financial support by the project co-founded by the European Social Fund and the Ministry of Education, Science and Sport of the Republic of Slovenia. The project will be implemented within the framework of the Operational Programme for Human Resources Development 2007-2013, 3rd priority axis: Development of human resources and lifelong learning, activity 3.3.: Quality, competitiveness and responsiveness of higher education. The workshop is also endorsed by the EU COST Action IC1202: Timing Analysis on Code-Level (TACLe).

And last, but not least, we thank all the participants of SQAMIA 2015 for their contributions that made all the work that went into SQAMIA 2015 worthwhile.

June 2015

Zoran Budimac
Marjan Heričko

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