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# Fifth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications

# SQAMIA 2016

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## Proceedings

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# Preface

This volume contains papers presented at the Fifth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2016). SQAMIA 2016 was held during August 29 – 31, 2016., at the Faculty of Informatics of Eötvös Loránd University, Budapest, Hungary.

SQAMIA 2016 continued the tradition of successful SQAMIA workshops previously held in Novi Sad, Serbia (in 2012 and 2013), Lovran, Croatia (2014), and Maribor, Slovenia (2015). 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 2016 workshop consisted of regular sessions with technical contributions reviewed and selected by an international program committee, as well as of one invited talk by Prof. Kevin Hammond. In total 12 papers were accepted and published in this proceedings volume. All published papers were 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 steering committee members: Tihana Galinac Grbac (Croatia), Marjan Heričko (Slovenia), and Hannu Jaakkola (Finland), for helping to greatly improve the quality of the workshop. We extend special thanks to the SQAMIA 2016 Organizing Committee from the Faculty of Informatics of Eötvös Loránd University, Budapest, and the Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, especially to its chair Tamás Kozsik for his hard work and dedication to make this workshop the best it can be.

The workshop is financially partially supported by the EU COST Action IC1202: Timing Analysis on Code-Level (TACLe).

And last, but not least, we thank all the participants of SQAMIA 2016 for their contributions that made all the work that went into SQAMIA 2016 worthwhile.

August 2016

*Zoran Budimac*
*Zoltán Horváth*
*Tamás Kozsik*

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