

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

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Preface

This volume contains papers presented at the Twelfth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2025) held at the Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor, Maribor, Slovenia, within the period from 10th to 12th of September 2025. SQAMIA 2025 continued the tradition of successful SQAMIA workshop series previously held in Novi Sad, Serbia (in 2012, 2013, 2018, 2022, and 2024), Lovran, Croatia (2014), Maribor, Slovenia (2015), Budapest, Hungary (2016), Belgrade, Serbia (2017), Ohrid, North Macedonia (2019), and Bratislava, Slovakia (2023). During the COVID-19 pandemic, the workshop was not held (2020 and 2021).

The first SQAMIA workshop was co-located with the 5th Balkan Conference in Informatics (BCI 2012). In 2013, SQAMIA became a standalone annual event 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 actual knowledge, open questions, and future research trends in software quality.

The SQAMIA 2025 workshop consisted of regular sessions with technical contributions reviewed and selected by an international program committee, as well as a keynote talk given by Klaus Bothe. In total 19 papers were accepted and published in this proceedings volume. All published papers have been reviewed by at least two reviewers.

We are grateful to the SQAMIA 2025 Organizing Committee and extend special thanks to all PC members for submitting careful and timely opinions on the papers. Our special thanks are also addressed to the members of the SQAMIA Initiative¹ without whom this and previous workshops could not be possible: Marjan Heričko (Maribor, Slovenia), Mirjana Ivanović (Novi Sad, Serbia), Zoltán Horváth (Budapest, Hungary), Hannu Jaakkola (Pori, Finland), and Tihana Galinac Grbac (Pula, Croatia). We thank the Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor for hosting and partially sponsoring the event. And last, but not least, we thank all the participants of SQAMIA 2025 for their contributions that made all the effort invested into SQAMIA 2025 worthwhile.

September 2025

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¹SQAMIA Initiative www.sqamia.org

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