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

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Preface

This volume contains papers presented at the Thirteenth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2026) held at the Faculty of Electronic Engineering, University of Niš, Serbia, within the period from 16^{th} to 18^{th} of September 2026. SQAMIA 2026 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 and 2025), 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 2026 workshop consisted of regular sessions on Software Engineering Practice and Evolution, AI Evaluation, Trustworthiness and Decision Support, Security Analysis and Risk Assessment, Data Pipelines, Measurement and Systems Performance, Software Analysis, Verification and Traceability, and Trustworthy and Resilient Distributed Architectures with technical contributions reviewed and selected by an international program committee. Furthermore, three Invited Industry Talks have been given by Anica Vrekić and Gorana Radovanović, Miloš Bogdanović, and Dragan Janković. In total 23 papers, 20 full, and 3 short ones, were accepted and published in this proceedings volume. All published papers have been reviewed by at least three reviewers.

Since SQAMIA 2024, Zoran Budimac Award for the Best Paper has been invented in honour of Professor Zoran Budimac, the initiator and longtime driving force behind the workshop, who embodied a spirit of innovation and dedication to advancing the field. The award is intended for the best paper authored or co-authored and presented by a young researcher (i.e., the first author should not yet hold a PhD). This tradition reflects the enduring spirit of SQAMIA, which has always placed strong emphasis on encouraging and supporting young researchers. In 2026 the award has been granted to *Youssef Gharbi* for his work on *Comparing a Web-Server Energy Benchmarking Framework with the Green Metrics Tool across Static, Dynamic, and WebSocket Workloads* in collaboration with István Bozó and Melinda Tóth.

We are grateful to the SQAMIA 2026 Organizing Committee and to all PC members for submitting careful and timely opinions on the papers. Our special thanks are also addressed to the SQAMIA Initiative[1] and the Steering Committee, as without their support this and previous workshops could not be possible. We thank the Faculty of Electronic Engineering, University of Niš, Serbia for hosting and partially sponsoring the event. And last, but not least, we thank all the participants of SQAMIA 2026 for their contributions that made all the effort invested into SQAMIA 2026 worthwhile.

September 2026

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Zoltán Horváth
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Hannu Jaakkola

[1] SQAMIA Initiative `www.sqamia.org`

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