

Preface of the 8th Workshop on Software Architecture Erosion and Architectural Consistency (SAEroCon)

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Abstract

The more complex a software system is and the longer a software system evolves, the more difficult it is to avoid effects like software architecture erosion or architectural drifts. These effects can lead to systems where the realization of the system diverges from the intended architecture with resultant negative impacts on quality attributes associated with the intended architecture. As studies have shown, untreated divergence can lead to systems which are impossible to maintain in the long run. SAEroCon is dedicated to research related to these phenomena.

1. Preface

The objective of SAEroCon since its inception in 2014 has always been the exchange of ideas regarding the current state-of-the-art and future research directions regarding architecture consistency, architecture recovery and restoration and ways to prevent and mitigate against architecture erosion.

For the eighth edition of SAEroCon, co-located with ECSA 2021, we received nine submissions of which we eventually accepted eight to shape an exciting program. As in previous years, each paper was initially presented by some other paper's author, followed by a response of the original author(s) and an open discussion among the workshop participants.

One accepted paper fell into the category or "architecting sessions papers", describing an empirical study to be performed at the workshop. Providing for the digital format of the workshop, we decided to shorten this kind of session to presentations of results (unlike in previous years in which these sessions led to insightful discussions, interesting results, and, last but not least, ground-truth architectures).

We thank all authors for their excellent contributions, and all presenters and participants for the lively discussions at the workshop. We furthermore wish to thank all members of the programme committee for their efforts spent on providing very thorough and constructive feedback to the authors of the submitted papers.

The members of the programme committee were:

- Nour Ali, Brunel University, UK

- Vasilios Andrikopoulos, University of Groningen, The Netherlands
- Ajay Bandi, Northwest Missouri State University, US
- Georg Buchgeher, Software Competence Center Hagenberg, Austria
- Michel Chaudron, Eindhoven University of Technology, The Netherlands
- Andrew Le Gear, Horizon Fintex, Ireland
- Christoph Knieke, Clausthal University of Technology, Germany
- Jens Knodel, CARUSO, Germany
- Rainer Koschke, University of Bremen, Germany
- Tobias Ohlsson, Linnaeus University, Sweden
- Sandra Schröder, Sennheiser Streaming Technologies, Germany
- Carlos Solis, ACURIS, UK

The team of organizing workshop chairs consisted of the authors of this preface.

The 15th European Conference on Software Architecture (ECSA 2021), virtual.

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