MSR4SA 2022

Second International Workshop on Mining Software Repositories for Software Architecture

Co-located with the 16th European Conference on Software Architecture (ECSA 2022)
September 19 – 20, 2022 —Prague, Czech Republic
(https://msr4sa.github.io/msr4sa2022)

Workshop organizers
- *Mohamed Soliman, University of Groningen, NL*
- *Roberto Verdecchia, Vrije Universiteit Amsterdam, NL*
- *Neil Ernst, University of Victoria, Victoria, Canada*
- *Kisub Kim, Singapore Management University, Singapore*

Program Committee (invited)
- *Ivano Malavolta, Vrije Universiteit Amsterdam*
- *Michel Albonico, Federal University of Technology - Parana (UTFPR)*
- *Francesca Arcelli Fontana, University of Milano-Bicocca, Italy*
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- *Antonino Sabetta, SAP Labs, France*
- *Heiko Koziolek, ABB Corporate Research, Germany*
- *Elisa Yumi Nakagawa, University of São Paulo, Brasil*
- *Peng Liang, Wuhan University, China*
- *Barbora Buhnova, Masaryk University, Czech Republic*
- *Arie van Deursen, Delft University of Technology, The Netherlands*
- *Paris Avgeriou, University of Groningen, The Netherlands*
- *Muhammad Ali Babar, University of Adeleide, Australia*
- *Ian Gorton, Northeastern University, USA*
- *Rick Kazman, University of Hawaii , USA*
- *Stefan Wagner, University of Stuttgart, Germany*
- *David Lo, Singapore Management University, Singapore*
- *Matthias Galster, University of Canterbury, New Zealand*
- *Patrick Mäder, Technische Universität Ilmenau, Germany*
- *Joshua Garcia, University of California, Irvine, USA*

Mining software repositories (MSR) became essential to support several software architectural design activities, such as architectural recovery or architectural knowledge capturing. Nevertheless, MSR to support software architecture (SA) is a challenging task, which requires expertise and focus.

The main goal of MSR4SA 2022 is to gather researchers and practitioners from both the MSR and SA communities to discuss challenges and approaches regarding applying MSR methods on SA problems. Hosting this workshop at ECSA will spot the light on applying MSR techniques for SA within the architectural community. This can form novel research directions within the architectural community to focus on systematically applying MSR techniques for SA problems. As a result of the MSR4SA workshop, we aim to craft a research agenda to guide researchers in their future research steps.

Prospective participants are invited to submit:

- Research papers presenting novel contributions on mining software repositories for software architecture (max. 16 pages);
- Industry papers which show the application and challenges of MSR techniques for SA (max. 8 pages);
- Dataset and tool papers on MSR for SA (max. 8 pages);
- New ideas and emerging results presenting new ideas and on-going work to be discussed on advancing MSR for SA (max. 8 pages).
- Reflection papers where researchers discuss contributions and lessons learned from previous publications that involve MSR for SA (max. 4 pages).

Submitted papers must be formatted according to the Springer LNCS style(http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0). Page limits include figures and references.

Accepted papers will be made available in the online proceedings of the ECSA conference. After the workshop, selected papers will be invited for submission of an extended version in the ECSA post-proceedings, which will be published in a Springer LNCS volume (up to 16 pages). Workshop papers submitted for the post-proceedings will undergo a minor revision cycle where the extensions with respect to the workshop versions will be checked by the reviewers.

Important Dates

- Submission deadline: 1 July 2022
- Notification of acceptance: 29 July 2022
- Camera-ready version: 5 August 2022