

International Workshop on Model-Driven Engineering for Software Architecture (MDE4SA 2021)

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Workshop Description

Responsiveness to ever-evolving requirements, heterogeneous market needs, and technology shifts are only a few of the challenges affecting modern software systems and their Software Architectures (SAs). Such challenges require ad-hoc methodologies, technologies, and tools for being dealt with efficiently. Model-Driven Engineering (MDE) is a software engineering paradigm that uses the principles of abstraction and separation of concerns for tackling the complexity of modern software systems and their development. Models are not considered mere documentation but as well-defined artefacts that can be automatically manipulated using programs, also known as model transformations. In recent years, the interplay between MDE and SA has gained both research and industrial attention. Modelling languages can be used to represent SAs (e.g., AADL, ArchiMate); model transformations can be used to automate almost all tasks of the development process, e.g., design, code generation, simulation and analysis consistency checking, traceability management, etc. The workshop aims at promoting and fostering discussion on novel ideas, techniques and possibly controversial approaches on the interplay of MDE and SA. The workshop aims to establish a forum where both researchers and practitioners can share open challenges and discuss innovative solutions. The second edition of MDE4SA was held in virtual mode on the 14th September 2021 and co-located with the European Conference on Software Architecture (ECSA).

MDE4SA has received three submissions. After a thorough peer-review process involving three members from the program committee per submission, two submissions were accepted for publication (the acceptance rate was 66%).

We would like to thank the MDE4SA steering and program committees for making the workshop possible. Additionally, we would like to thank the ECSA workshop chairs Patrizia Scandurra and Matthias Galster for their help and support, ECSA for hosting the workshop,


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 CEUR Workshop Proceedings (CEUR-WS.org)

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MDE4SA Organization

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Amleto Di Salle	University of L'Aquila (IT)
Ludovico Iovino	Gran Sasso Science Institute (IT)

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