

Preface: Journal First Track

Tomi Männistö¹

¹University of Helsinki, Department of Computer Science

Abstract

ECSA 2021 opened up a partnership with Journal of Systems and Software (JSS) and IEEE Software to incorporate journal-first papers into its program. Authors of journal first papers accepted by JSS or IEEE Software since January 2020 were invited to submit their work to be presented at ECSA 2021. This allowed authors of journal first papers to present their work to the community. In the end five papers were selected to be presented at the conference.

Keywords

Software Architecture, Journal First Track, ECSA2021

1. Preface

Authors of papers in the scope of ECSA 2021 that were published in Journal of Systems or IEEE Software were invited to present their paper at ECSA 2021. As the papers had been already reviewed and accepted by the journal, there was no additional review for the scientific content of the paper. The plan was to include in the journal first track as many papers as possible. In the end, five papers from Journal of Systems and Software were submitted and all accepted for presentation. This section of the proceedings contains the summaries of the accepted papers, which are:

- *A Functional Safety Assessment Method for Cooperative Automotive Architecture* by Sangeeth Kochanthara, Niels Rood, Arash Khabbaz Saberi, Loek Cleophas, and Mark van den Brand
- *A domain specific-model and DevOps approach for big data analytics architectures* by Cristian Camilo Castellanos Rodriguez, Carlos Varela, and Dario Correal
- *Architecture Design Evaluation of PaaS Cloud Applications using Generated Prototypes* by David Gesvindr, Ondrej Gasior, and Barbora Buhnova
- *Building and Evaluating a Theory of Architectural Technical Debt in Software-intensive Systems* by Roberto Verdecchia, Philippe Kruchten, Patricia Lago, and Ivano Malavolta
- *Identifying architectural technical debt, principal, and interest in microservices: A multiple-case study* by Saulo Soares de Toledo, Antonio Martini, and Dag Sjøberg


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✉ tomi.mannisto@helsinki.fi (T. Männistö)

ORCID 0000-0001-7470-5183 (T. Männistö)



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