35th Euromicro Conference on Real-Time Systems

ECRTS 2023, July 11–14, 2023, Vienna, Austria

Edited by

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ACM Classification 2012
Computer systems organization → Embedded and cyber-physical systems; Computer systems organization → Real-time systems; Software and its engineering → Real-time systems software; Software and its engineering → Real-time schedulability; Theory of computation → Scheduling algorithms

ISBN 978-3-95977-280-8

Published online and open access by
Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern, Germany. Online available at https://www.dagstuhl.de/dagpub/978-3-95977-280-8.

Publication date
July, 2023

Bibliographic information published by the Deutsche Nationalbibliothek
The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at https://portal.dnb.de.

Digital Object Identifier: 10.4230/LIPIcs.ECRTS.2023.0

ISBN 978-3-95977-280-8 **ISSN 1868-8969** **https://www.dagstuhl.de/lipics**

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ISSN 1868-8969

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Preface

Message from the Chairs

We welcome you to ECRTS 2023, in Vienna, Austria. Alongside RTSS and RTAS, ECRTS ranks as one of the top three international conferences on real-time systems and is the premier European conference series on this topic. Given the lessons learned during the pandemic, we continue even for this year ECRTS to include the possibility to participate online, as this is an opportunity to make the community more diverse. We are delighted to have you join the second hybrid ECRTS, for an exciting program consisting of both scientific talks and opportunities for socializing and collaborative work.

ECRTS has been at the forefront of recent innovations in the real-time systems community such as artifact evaluation, open-access proceedings, and a flexible page limit. This year we have consolidated the experience and repeated a double-blind submission process with flexible page limit, that does not constrain the authors and allows them to put the effort into optimizing the content of their submission, rather than space utilization.

ECRTS 2023 received a total of 65 submissions from Asia, Europe, and North America. Each submission was reviewed by at least three expert members of the program committee and discussed both on the discussion board of the submission website and at the program committee meeting that took place on April 19 and 20, 2023. The program committee accepted 18 papers for publication and presentation, which translates to an acceptance rate of 27.7%. An additional paper has been invited to discuss the lessons learned from the first verification challenge at ECRTS.

In addition, on the scientific side, the ECRTS industrial challenge will be presented and discussed at the conference, following a long-lasting tradition of industrial challenges coming from the WATERS workshop.

A major conference like ECRTS 2023 is the result of the hard work of many people involved in the conference organization. First of all, we would like to thank the program committee members, for their hard work despite all the burdens of yet another challenging year. Similarly, thanks to all external and secondary reviewers, who provided many valuable perspectives and important feedback. We are especially grateful to those PC members and additional reviewers who went "above and beyond" serving as shepherds. We would also like to extend our thanks to the Artifact Evaluation Chairs, Julien Forget and Matthias Becker, and their board of Artifact Evaluators for running the AE process, and to the Real-Time Pitches Chair, Alexander Züpke, for bringing fresh new ideas and discussions to the conference. Without the dedicated support of all these colleagues, we would not have been able to put together such an excellent program. Many thanks to all of you!

We would like to thank the ECRTS Executive Committee, Yasmina Abdeddaïm, Sebastian Altmeyer, Steve Goddard, and Marcus Völp, for their outstanding service to the community. Last but not least, we thank all authors for submitting to ECRTS 2023. Whether or not the submission was ultimately accepted for publication, we deeply appreciate your fine work and the tremendous effort and care that has gone into it; this conference would not be possible without you.

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Finally, we would like to thank all authors who submitted their work to ECRTS 2023, whether it was accepted or not. Without them, this conference would not have been possible.

We are looking forward to an inspiring scientific program in Vienna and online. Please join us in enjoying both the technical content and everything around it, especially with the return to in-person events.

Peter Puschner
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Leibniz International Proceedings in Informatics
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