

21st International Workshop on Worst-Case Execution Time Analysis

WCET 2023, July 11, 2023, Vienna, Austria

Edited by

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■ Preface

Welcome to the Proceedings of the 21st International Workshop on Worst-Case Execution Time Analysis (WCET 2023). The 21st edition of the WCET Workshop is held on July 11, 2023, and is co-located with the Euromicro Conference on Real-Time Systems (ECRTS 2023) in Vienna, Austria. The WCET Workshop targets research on worst-case execution time analysis in the broad sense and serves as an annual meeting for the WCET community. In this year's edition, the scope of the workshop has been broadened, and the call for papers also welcomed contributions on analysis techniques for resources other than time, such as energy consumption.

The WCET Workshop has the goal of bringing together people from academia and industry. This goal is also reflected in the composition of the program committee (listed below) with members from academia, research institutes, and industry.

This year, the workshop received 12 submissions, each of which received at least three reviews. Based on these reviews and an online discussion, the program committee selected nine papers to appear for presentation at the workshop and in these proceedings. These papers cover a wide range of topics, including, among others, WCET analysis for GPU architectures, multi-objective optimization, and energy-consumption analysis.

Ensuring a high-quality program, organizing the WCET Workshop, and publishing open-access proceedings is a joint effort of many people: First, I would like to thank all members of the program committee and external reviewers for their time and effort in reviewing the submissions, providing comprehensive feedback, and participating in the online discussions. I am also very grateful for the support of the WCET Steering Committee throughout the organization of the workshop. Schloss Dagstuhl provided excellent assistance for the publishing process; many thanks to the whole team and especially to Michael Didas for the detailed and friendly support in preparing these proceedings. Finally, I especially thank all authors for contributing their work and you for your interest in these proceedings. I hope that these proceedings will be inspiring and helpful for your work in the future. It has been a pleasure for me to serve as a workshop chair for the WCET community.

Erlangen, Germany
June 23, 2023
Peter Wägemann



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