9th International Workshop on Worst-Case Execution Time Analysis

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Preface to WCET'09 Proceedings


The goal of this annual workshop is to bring together people from academia, tool vendors, and tool users in industry who are interested in all aspects of timing analysis for real-time systems. The workshop features a highly interactive format with ample time for in-depth discussions. Topics of interest include:

- Different approaches to WCET computation
- Flow analysis for WCET, loop bounds, feasible paths
- Low-level timing analysis, modeling and analysis of processor features
- Strategies to reduce the complexity of WCET analysis
- Integration of WCET and schedulability analysis
- Evaluation, case studies, benchmarks
- Measurement-based WCET analysis
- Tools for WCET analysis
- Program and processor design for timing predictability
- Integration of WCET analysis in development processes
- Compiler optimizations for worst-case paths
- WCET analysis for multi-threaded and multi-core systems.

The papers presented at the workshop were selected based on peer reviews by program committee members and external reviewers, all experts in the field. The final proceedings of the workshop contain the presented papers, updated in response to the discussion at the workshop, the abstract of the invited talk by prof. Petru Eles, and a summary of the panel discussion that concluded the workshop. These final proceedings thus update the pre-proceedings that were distributed to the workshop participants for the workshop.

I am happy to thank the authors, the Program Committee including the external reviewers, the WCET Workshop Steering Committe, and the ECRTS'09 organizers for assembling the components of a very stimulating workshop. The workshop organizers are also deeply grateful to the ArtistDesign Network of Excellence (http://www.artist-embedded.org/artist/) for financial support and to the Dagstuhl DROPS archive for making the final proceedings available on-line. The slide presentations are not available on DROPS, but can be retrieved from the ArtistDesign site, http://www.artist-embedded.org/artist/WCET-2009.html, as a single ZIP archive, or separately for each paper from the "Program" tab.

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