5th International Workshop on Worst-Case Execution Time Analysis

WCET 2005, July 5, 2005, Palma de Mallorca, Spain

Edited by

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Editor

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Message from the Workshop Chair

You have in front of you the proceedings of the 5th International Workshop on Worst-Case Execution Time (WCET) Analysis. The workshop was held on the 5th of July 2005 as a satellite event to the 17th Euromicro Conference on Real-Time Systems (ECRTS 2005) in Palma de Mallorca, Spain.

It was the fifth event in the series after the successful meetings in Delft (Holland) in 2001, Vienna (Austria) in 2002, Porto (Portugal) in 2003 and Catania (Italy) in 2004. The goal of these workshops is to bring together people from academia, tool vendors and users in industry that are interested in all aspects of timing analysis for real-time systems. The workshops provide a relaxed forum to present and discuss new ideas, new research directions, and to review current trends in this area. It consisted of short presentations that should encourage discussion by the attendees. The topics of the 2005 workshop included paper on the following topics:

- Measurement-based timing-analysis methods,
- Experience from industrial case studies,
- Architectural issues, and
- Timing analysis in real-time education.

In addition, there was an invited talk by Lothar Thiele, ETH Zuerich, on Composable Real-Time Analysis. There is no paper about this talk contained in the proceedings.

The industrial case studies showed that the techniques have matured to industrial applicability. Better results are achieved if the methods and tools are integrated into the development process. Measurement-based methods were controversially discussed. Further talks showed that much support is needed to deal with architectural features that endanger timing predictability.

Reinhard Wilhelm (Workshop Chair)

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