



Prague Embedded Systems Workshop

PESW 2014

June 12-14, 2014, Roztoky u Prahy, Czech Republic

BACKGROUND

The Prague Embedded Systems Workshop is intended for the presentation of Ph.D. students' results and partial progress in their research in the field of all aspects of embedded systems design, testing and applications. The workshop is organized by members of two departments of the youngest faculty (Faculty of Information Technology) of the oldest technical university in Central Europe, the Czech Technical University in Prague – the Department of Digital Design and the Department of Computer Systems. The idea of PESW is based on the cooperation with the Tel Aviv University and the main aim is to expand the mutual collaboration in the field of embedded systems research not only inside EU. The PESW workshop will be based on oral presentations and will be focused on mutual communication and discussions.

SCOPE

The workshop PESW 2014 addresses emerging issues, hot problems, new solution methods, and their hardware and software implementations in the fields of digital and mixed-signal system design. It is especially focused on dependable and low power design, and testing methods related to the SoC technology and modern embedded applications. The workshop topics include (but are not limited to):

- Programmable/re-configurable/adaptable architectures
- SoC and NoC design and testing
- Digital design optimization methods
- Architectures and hardware for security applications
- On-line and off-line error detection and correction
- Fault-tolerant control systems design methods
- Testability analysis
- Logic synthesis and optimization
- Diagnosis & testing of embedded systems
- Applications of (embedded) digital systems.

SUBMISSION OF PAPERS

Prospective authors are encouraged to submit extended abstracts of their manuscripts for review electronically through the following web page <https://www.easychair.org/conferences/?conf=pesw2014> or by sending them to Workshop Chairs via email (only in case of the access problems) before the deadline for submission. The proposed theme of presentation has to be clear from this abstract.

The Proceedings in the form of the list of extended abstracts and presentation slides will be published at the PESW web page.

PhD. Students with presentations closed to “Fault-Tolerant Control Systems Design” can ask sponsor company Eaton for special support – free registration fee.

IMPORTANT DATES

Submission of papers: 20th May 2014 (**Extended**)

Notification of acceptance: 25th May 2014

Deadline for final version of abstract and presentations: 2nd June 2014

Workshop Chairs: Hana Kubátová and Petr Fišer

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WORKSHOP WEB PAGE: <http://pesw2014.fit.cvut.cz/>