

CONFERENCE PROGRAM

PESW 2014, June 12 – 13, Roztoky u Prahy

Thursday, June 12

8.00 – 10.00 **Registration**

10.00 – 10.15 **Opening**

10.15 – 10.45 **Eaton presentation**

1. Fault Tolerant Controls Systems

Pavel Kučera | Eaton

10.45 – 11.00 *Coffee break*

11.00 – 12.00 **Session 1**

2. Time Patterns Relation in Assisted Automated Scheduling

Krzysztof Odwrot, Wojciech Zajac | University of Zielona Gora, Poland

3. Exploration Robot with Stereovision

Miroslav Skrbek, Vladislav Richter | FIT, CTU in Prague

12.00 – 13.00 *Lunch*

13.00 – 14.30 **Session 2**

4. Comparison of Various Approaches in Fault-Tolerant and Attack-Resistant System Design

Filip Štěpánek, Martin Novotný | FIT, CTU in Prague

5. Effects of Arbitrary Hardware Faults on Multicore Scheduling in Safety-critical Applications - Evaluation by enhanced Markov models and Discrete Event Simulation

Stefan Krämer | OTH Regensburg, Germany

6. Pessimistic Dependability Models Based on Hierarchical Markov Chains

Martin Kohlík, Hana Kubátová | FIT, CTU in Prague

14.30 – 15.00 *Coffee break*

15.00 – 16.30 **Session 3**

7. Hardware Implementation of the CloudBus Protocol Using FPGA

Kazimierz Krzywicki, Grzegorz Andrzejewski | University of Zielona Gora, Poland

8. Practical Use of FPGA Chips for Implementation of Linear Motor Control System

Matěj Bartík | FIT, CTU in Prague

9. Towards Trusted Devices in FPGA by Modeling Radiation Induced Errors

Jan Pospíšil, Tomáš Vaňát, Jan Schmidt | FIT, CTU in Prague

17.00 – 23.00 **Social Event, Dinner**

Meeting point: Hotel Academic reception, 17.30

From 18.30 – Restaurant Tiché Údolí (see the map on the back side)

Friday, June 13

9.30 – 10.30 **Keynote lecture**

10. Taxonomy of Research in Digital Design
Ilya Levin | Tel Aviv University, Israel

10.30 – 11.00 *Coffee break*

11.00 – 12.30 **Session 4**

11. Optimal Algorithm for Phase Shift Searching for the DPSBF
Viktor Černý, Alex Moucha, Jan Kubr | FEE, CTU in Prague
12. Fault Recovery Method of Modular Systems based on Reconfigurations
Pavel Vít, Jaroslav Borecký, Hana Kubátová | FIT, CTU in Prague
13. Properties of Boolean functions in Cognitive Complexity Measure
Gabi Shafat, Ilya Levin | Tel Aviv University, Israel

12.30 – 13.30 *Lunch*

13.30 **Closing**

MAP – Social Event

