ECBS-EERC 2013 Program

Thursday, August 29

08:00-08:45 Registration

08:45-09:00 Opening

09:00-10:00 Keynote
Frank H. P. Fitzek: Network Coding and Cooperative Communication

10:00-10:30 Coffee Break

10:30-12:30 Architectures & Embedded Systems

Chair: Miroslav Popovic

- An on-line and off-line pipeline-based architecture of the system for gaps and outlier detection in energy data streams
  Maxim Shcherbakov, Yuri Timofeev, Alexander Saprykin, Vyacheslav Trushin, Anton Tyukov, Nataliya Shcherbakova and Valeriy Kamaev
- Agent-oriented Approach to Support Multidisciplinary Care Decisions
  Liang Xiao, John Fox and Hong Zhu
- A Run-time Library for Parallel Processing on a Multicore DSP
  Nenad Cetic, Miroslav Popovic, Miodrag Djukic and Momcilo Krunic
- A Retargetable C Compiler for Embedded Systems
  Ivan Povazan, Miodrag Djukic, Nenad Cetic and Miroslav Popovic

12:30-13:30 Lunch

13:30-15:30 Distributed System Design

Chair: Jiri Safarik

- Maintaining Cache Consistency for Mobile Clients in Distributed File System
  Pavel Bžoch and Jiri Safarik
- Towards a Visual Sensor Network Built from Smartphones
  Kristóf Csorba, Dávid Szalóki and Norbert Koszó
- Predicting Availability of Mobile Peers in Large Peer-to-Peer Networks
  Márton Ákos Sipos and Péter Ekler
• Meeting arrangement based on patterns of movement
  Marcell Feher and Bertalan Forstner

15:30-16:00 Coffee Break

16:00-17:30 Modeling and Analysis of Complex Systems

Chair: Wilhelm Rossak

• Development of a Novel Semantic-based System Integration Framework
  András Bánhalmi, Dénes Paczolay, Adam Zoltan Vegh, Gábor Antal and Vilmos Bilicki

• Tracing interdependencies between architecture and organization in expandable goal-models
  Johannes Meissner, Frederik Schulz and Wilhelm Rossak

• Estimating the Cost of XML Serialization of Java Objects
  Gábor Imre, Hassan Charaf and László Lengyel

17:30-18:00 SC and PC Meeting

18:00-19:30 City Tour with Bus and Guide, starting from the conference venue.

19:30-20:00 Arriving with the bus to the wine tasting party, with an opportunity to buy from a selection of famous Hungarian wines.

20:00 Arriving to the conference dinner, with authentic folk program and more. The bus leaves back for the Professor’s Guest House Hotel and the Venue around midnight.

Friday, August 30

09:00-10:00 Keynote
  Tommi Mikkonen: Towards Collaborative Coding - Experiences, Guidelines, and the Road Ahead

10:00-10:30 Coffee Break

10:30-12:30 Doctoral Session

Chair: Péter Ekler

• The Analysis of BitTorrent Protocol Reliability in Modern Mobile Environment
  András Bori and Péter Ekler
• Data Type Propagation in Simulink Models with Graph Transformation
  Péter Fehér, Tamás Mészáros, Pieter Mosterman and László Lengyel

• Aspects of Intermediate Level Obfuscation
  Dmitriy Dunaev and László Lengyel

• Learning Classifier System Improvement Based on Probability Driven and Neural Network Driven Approaches
  Ladislav Clementis

12:30-13:30 Lunch

13:30-14:00 Industrial Session

Chair: Hassan Charaf

• Test-case Creation Framework for Touchscreen-based Device Testing
  Ivan Kastelan, Vukota Pekovic, Branislav Kordic and Nikola Teslic

• Selection and Prioritization of Test Cases by Combining White-Box and Black-Box Testing Methods
  Sandra Kukolj, Vladimir Marinković, Bognár Szabolcs and Miroslav Popović

• Parallel Processing of Multichannel Video Based on Multicore Architecture
  Branislav Kordic, Vladimir Marinkovic, Miroslav Popovic and Vukota Pekovic

14:00-15:00 Poster Session (coffee served during the session)

• On the Evaluation of Clock Synchronization Methods for Networked Control Systems
  Jan Pacner, Ondrej Rysavy and Miroslav Sveda.

• Reactive distributed system modeling supported by Complex Event Processing
  Jan Lang and Ján Janík

• The Summary of Indoor Navigation Possibilities Considering Mobile Environment
  László Kundra and Péter Ekler

15:00-17:00 Pattern Recognition / Education & Training

Chair: Ondrej Rysavy

• Matching Matchings
  Gábor Bacsó, Anita Keszler and Zsolt Tuza
• Layer Based Approach of Corner Detection and Classification in Quantized Range Images
  Viktor Kovács and Gábor Tevesz

• Platform for Creating Collaborative E-learning Communities based on Automated Composition of Learning Groups
  Maria-Iuliana Dascalu, Constanta-Nicoleta Bodea and Alexandru Burlacu

• Methodology of Teaching Software Development: Game-based Learning Cycle
  Olga Shabalina and Natalia Sadovnikova

17:00-18:00 Farewell Snack