Call for Papers

3rd Eastern European Regional Conference on the Engineering of Computer Based Systems (ECBS-EERC 2013)

with the technical co-sponsorship of the IEEE Computer Society

www.ecbs-eerc.org
August 29–30, 2013
BME Building Q, Magyar Tudósok körútja 2, 1117 Budapest, Hungary
Hosted by the Budapest University of Technology and Economics

"Setting New ECBS Frontiers…"

ECBS-EERC was established at 15th IEEE International Conference on Engineering of Computer-Based Systems (ECBS 2008) in Belfast, Northern Ireland, to bring the spirit of ECBS into Eastern Europe by providing convenient conference opportunities in this region. Conference proceedings are published on a CD and stored in the IEEE CS Digital Library. A selection of outstanding papers presented at the conference may be invited for publication in an internationally recognized journal (subject to additional reviewing).

ECBS-EERC 2013 is the 3rd formal meeting dedicated to formulating and advancing methods, techniques and tools for the engineering of computer-based systems in the Eastern European Region. The conference is devoted to the design, development, deployment, and analysis of complex systems whose behavior is largely determined or controlled by computers. Such systems are characterized by functional, performance, and reliability requirements that mandate the tight integration of information processing and physical processes.

ECBS integrates software, hardware, and communication perspective of system engineering through its many facets that include system modeling, requirements specification, simulation, architectures, safety, security, reliability, human–computer interaction, system integration, verification and validation, and project management. The conference provides a bridge between industry and academia blending academic research and industrial development.

Papers are sought which reflect this intent in fundamental ECBS technologies and application domains including, but not limited to the following topics:

- Adaptive Computing
- Agile Development
- Architectures
- Aspect-Oriented Software Development
- Autonomic Systems
- Co-Design
- Component-Based System Design
- Design Evolution
- Distributed Systems Design
- ECBS Infrastructure (Tools and Environments)
- Education & Training
- Embedded Real-Time Software Systems
- Integration Engineering
- Lifecycle Processes & Process Evolution
- Model-Based System Development
- Modeling and Analysis of Complex Systems
- Open Systems
- Product Lines
- Reengineering & Reuse
- Reliability, Safety, Dependability, and Security
- Requirements Engineering
- Standards
- Systems on a Chip
- System Assessment, Testing, and Metrics
- Verification & Validation

Industrial reports of practical solutions, trends, and new system characteristics for ECBS, taking an integrated systems approach, may include application domains such as: Aerospace Systems, Command and Control, Continuous and Discrete Manufacturing, Environmental Systems, Instrumentation and Control Applications, Internet Technology and Applications, Intelligent Highway-Vehicle Systems (IHVS), Medical Systems, and Telecommunications.

SUBMISSION OF PAPERS

Full papers should not exceed 10 pages (at least 6 pages are expected). Industrial reports should not exceed 4 pages (at least 2 pages are expected). Poster abstracts should be on 2 full pages. All papers must be prepared in the IEEE Computer Society format (see the conference web site for further information). Papers should be original contributions not submitted or accepted for publication elsewhere. For an accepted paper to appear in the proceedings, at least one author must register and attend the conference.

IMPORTANT DATES (Note: these dates are tentative)

Submission of abstracts	27 March 2013 (extended)
Submission of papers	12 April 2013
Notification of acceptance	12 May 2013
Final paper submission deadline	10 Jun 2013
Registration deadline for authors	10 Jun 2013
Early registration deadline for non-authors	8 August 2013

General Chair: Hassan Charaf
Program Chair: Miroslav Popovic
Program Co-Chair: Ondrej Rysavy
Financial Chair: Bertalan Forstner

STEERING COMMITTEE

Roy Sterritt, Byron Purves, Miroslav Sveda, John Leaney, Miodrag Temerinac, Valentino Vranic, Kristóf Csorba, Péter Ekler