



ECBS-EERC 2009

Setting new ECBS frontiers...

September 7th-8th 2009
Novi Sad, Serbia

www.ecbs-eerc.org



Call for Papers

1st IEEE Eastern European Regional Conference on the Engineering of Computer Based Systems (ECBS-EERC 2009)

with the technical co-sponsorship of the IEEE Computer Society and IEEE TC on ECBS

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September 7-8, 2009

At the Master Center, Novi Sad, Serbia

Hosted by the University of Novi Sad

“Setting New ECBS Frontiers...”

ECBS-EERC was established at the ECBS 2008 in Belfast, Northern Ireland, to allow ECBS academics and practitioners in Eastern Europe to assemble, present papers, and produce a conference publication. The main goal is to provide professional conference opportunity for Eastern Europeans and still keep the meeting costs attractive. Acceptance of papers is based on a submitted abstract and conference proceedings are published on a DVD.

ECBS-EERC 2009 will be the 1st formal IEEE sponsored 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 has many facets that include system modeling, requirements specification, simulation, architectures, communications, safety, security, reliability, software, hardware, human computer interfacing, system integration, verification and validation, and project management. Effectively, ECBS integrates several disciplines, including software, hardware, and communications, into a complete systems engineering approach.

The conference provides a bridge between industry and academia, blending academic research and industrial developments. Papers are sought which reflect this theme, in fundamental ECBS technologies, or application domains, as listed below.

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

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 must be 4 to max 10 pages in Computer Society Format. For further information see the conference web site.

IMPORTANT DATES:

Submission of 2 page abstracts	14 April, 2009
Notification of acceptance	14 May 2009
Final paper submission deadline	12 June 2009
Registration deadline for authors	12 June 2009
Early registration deadline for non-authors	10 August 2009

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Program Chair: Miroslav Popovic
Local Arrangements Chair: Nikola Teslic
ECBS-EERC 2009 Conference Chair: Vladimir Kovacevic

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