



October 2011 Issue

TC-ECBS newsletter is produced as a focal point for news concerning the (related) activities of the IEEE Computer Society Engineering of Computer-Based Systems technical committee. If you have any items for the next issue please contact ecbs-news@computer.org.

TC Chair's Column

Following our successful 18th Annual ECBS conference in Las Vegas during the last week in April (see May issue), we have had our 2nd Eastern European Regional Conference (ECBS-EERC) during September in Bratislava, Slovakia (pictures featured in this issue). I would like to take this opportunity to thank the local organizing committee of EERC for a second very successful edition. We look forward to when they progress from technical co-sponsorship (TCS) to a fully sponsored conference which they are well on track to achieve. Special thanks to the keynotes; Bernhard Schätz and Hassan Charaf along with all the presenters and attendees.

Speaking of our EERC colleagues, they were so successful hosting the 1st EERC in 2009 in Novi Sad, Serbia that the ECBS steering committee has voted to host our 2012 main conference in that historic and beautiful part of the world (cfp in this issue).

It is also my pleasure to announce and in this issue the best paper awards from ECBS 2011. Congratulations to the authors! Thank you all for taking the time post conference to vote.

Many thanks in advance for your continued support in terms of making your colleagues aware of our conference, submitting papers, and timely reviewing the submissions for ECBS 2012.

Roy Sterritt, chair ECBS-TC
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ECBS 2011 Best Paper Awards

Ⓢ *Hardware/Software Communication Middleware for Data Adaptable Embedded Systems*, by Sachidanand Mahadevan, Vijay Gopinath, Roman Lysecky, Jonathan Sprinkle, Jerzy Rozenblit and Michael Marcellin.

Best Doctoral Papers

Ⓢ *"Scenario-Based Architectural Design Decisions Documentation and Evolution"*, by Meiru Che and Dewayne Perry.

Ⓢ *Sumant Tambe, Akshay Dabholkar and Aniruddha Gokhale. "MoPED: A Model-based Provisioning Engine for Dependability in Component-based Distributed Real-time Embedded Systems"*

19th Annual ECBS Conference



19th Annual IEEE International Conference and Workshops on the Engineering of Computer Based Systems (ECBS)

<http://tab.computer.org/ecbs/2012>

April 11-13, 2012

Novi Sad, Serbia, Europe

ECBS 2012 will be the 19th formal IEEE sponsored meeting dedicated to formulating and advancing methods, techniques and tools for the engineering of computer-based systems.

The conference is devoted to the analysis, design, development, deployment, and evolution of complex systems whose behaviour is largely determined or controlled by computers. Such systems – also called cyber-physical systems – are characterized by functional as well as dependability requirements that mandate the tight integration of information processing and physical processes. Therefore, ECBS integrates several disciplines, including software, hardware, and communication 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, according to the following **thematic tracks**:

- Ⓢ Adaptive Computing & Autonomic Systems
- Ⓢ Distributed Systems Design & Architecture
- Ⓢ ECBS Infrastructure (Tools, Platforms)
- Ⓢ Embedded Real-Time Software Systems
- Ⓢ Model-based System Development
- Ⓢ Model-based Simulation & Validation
- Ⓢ Verification & Validation
- Ⓢ Domain-Specific Modeling
- Ⓢ Reengineering & Reuse
- Ⓢ Evolution & Change

Important Dates

Submission of titles and abstracts	07 November 2011
Submission of all papers	14 November 2011
Notification of acceptance	19 December 2011
Camera-ready material for publication	16 January 2012
Registration deadline for authors	16 January 2012
Early registration deadline for non-authors	22 February 2012

For full CFP including special issue journal, workshops, industrial track, Doctoral Symposium, Poster Sessions and other details see:



<http://tab.computer.org/ecbs/2012/>

Join TC ECBS

If you have not already done so, you are invited to join online the IEEE Computer Society Engineering of Computer-Based Systems Technical Committee.

Details can be found at the web site <http://www.computer.org/tab/> where you can sign-up to TC-ECBS and three others free <http://www.computer.org/portal/web/tandc> If you have already signed up, manage your membership at: <http://www.computer.org/services/teca>



TC-ECBS newsletter



Snap-shots of ECBS-EERC 2011



2011 2nd ECBS-EERC Proceedings
doi: [10.1109/ECBS-EERC.2011.47](http://dx.doi.org/10.1109/ECBS-EERC.2011.47)