

9th Annual IEEE International Conference and Workshop on the Engineering of Computer-Based Systems (ECBS)

Location: Lund University, Sweden (30 minutes by train from Copenhagen Airport)

Conference: April 8-10, 2002

Workshop: April 10-11, 2002

Submission: October 15, 2001 (papers and workshop proposals)

Notification: December 17, 2001

Information:

ECBS: <http://www.cigital.com/conferences/ecbs02>

Lund University: <http://www.lu.se>

Lund: <http://www.lund.se/english>

Copenhagen Airport: <http://www.cph.dk>

Conference and Workshop:

Engineering of Computer-Based Systems:

- integration of several engineering disciplines
- focuses on systems-level integration
- a balanced view of academic research and industrial developments

Contributions are sought in

- (i) fundamental ECBS technologies; and
- (ii) reports of ECBS application case studies.

ECBS 2002 will be the 9th IEEE sponsored meeting dedicated to formulating and advancing processes, models and tools for the engineering of computer-based systems. This increasingly important discipline is devoted systems-engineering issues related to fielding systems whose behavior is largely determined or controlled by computers. Computer-based systems are characterized by functional, performance and reliability requirements that mandate the tight integration of information processing and physical processes. ECBS is the integration of several engineering disciplines including software, hardware, and communications into a complete engineering discipline. The conference focuses on systems-level integration of information from these varying disciplines. The program will provide a balanced view of academic research and industrial developments emphasizing application and evaluation of research results. Contributions are sought in two major categories: (i) fundamental ECBS technologies; and (ii) reports of ECBS application case studies.

Scope:

- System Architectures
- Hardware/Software Codesign
- Component-Based Design and Reuse
- Model-Based System Development
- Applied Formal Methods
- Tools and Environments
- Education and Training
- Embedded Systems
- Lifecycle Process
- Project and Product Management
- Modeling and Analysis
- Evolution, Reengineering and Legacy Systems
- Reliability, Dependability, Safety and Security
- Requirements Engineering
- Verification and Validation
- Standards

The Conference: The Conference provides a forum for presentation of mature research and case-study results including keynote talks and panel discussions. Conference papers are fully refereed and will appear in the conference proceedings.

The Workshops: The Workshops provide a forum for focused meetings dealing with various areas of ECBS research.

Submission Dates: Full papers for the main conference (4000-6000 words) and workshop proposals (1 page) must be received by **October 15, 2001** at ecbs02@telecom.lth.se. Papers will be reviewed and authors notified by **December 17, 2001**. Specific submission instructions will be found on the conference website.

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