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## CALL FOR PAPERS - ACSD04

Fourth International Conference on Application of Concurrency to System Design  
June 16-18 (2004) Hamilton, Canada

<http://acsd.mcmaster.ca/>

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The International Conference on Application of Concurrency to System Design (ACSD) serves as a forum for disseminating theoretical results and advanced methods and tools for the design of complex concurrent systems. While there are a few success stories in the field, there is still a strong need to bring theory and practice closer together. The conference aims at cross-fertilizing both types of research (see web pages <http://get.dsi.uminho.pt/acsd03/> and <http://www.cs.ncl.ac.uk/old/events/conferences/2001/pn/CSDcall.html> for the last two editions of the conference).

### INVITED TALKS

Talks by Ed Brinksma, Gregor von Bochmann and John Thistle are already confirmed. Others are being arranged.

### GENERAL TOPICS

Original papers on the following list of topics are solicited:

- methods for design of synchronous or asynchronous systems based on models of concurrency (data-flow, communicating automata, Petri nets, process algebras, statecharts, MSCs etc.)
- correct-by-construction design methods and integration of verification techniques with the design process
- synchronous / asynchronous design and communication interfaces: Globally Asynchronous Locally Synchronous systems
- hardware / software co-design from common specifications
- concurrency issues in Systems on Chips (in particular, use of formal methods for communication protocol design and verification)
- design examples
- design tools

### SPECIAL TOPICS

Contributions are solicited in particular on two tracks:

- Asynchronous Interfaces: tools, techniques, and implementations
  - special session chaired by Alex Yakovlev - (a follow-up to AINT 2000, see <http://async.org.uk/AINT2000/>)
- Automotive Systems: modelling, design, and verification
  - special session chaired by Jorg Desel -

### PAPERS

Submitted papers must be in IEEE CS Press 2-column format (see instruct.pdf at <ftp://pubftp.computer.org/Press/Outgoing/proceedings/>). The cover page must contain an abstract of no more than 60 words (not 130 as in the IEEE instruct file), the corresponding author's physical and e-mail addresses, as well as phone and FAX numbers.

The page limitation is strict, and it applies both to the submitted papers and to the final versions of the accepted papers. The limit is 10 pages for regular papers, and 4 pages for tool description papers.

The submission will be handled electronically as described on the conference web site.

Accepted papers will be published by IEEE Computer Society Press. A selection of six papers (including one with "Best paper award") will be considered further (after expansion and revision) for possible publication in a special issue of the Journal "Fundamenta Informaticae" (IOS Press, Netherlands).

### IMPORTANT DATES

Deadline for submissions:	5 January, 2004	Final
Notification of acceptance of papers:	3 March, 2004	Final
Final papers due:	28 March, 2004	Final

Satellite workshop initial proposals:	5 January, 2004	Final
Satellite workshop final proposals:	6 February, 2004	Final

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### WEB SITE OF THE CONFERENCE

<http://acsd.mcmaster.ca/>

### ADDRESS FOR SUBMISSIONS

Link included on the conference web site