

# Call for Papers

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## *12th International Conference on Application of Concurrency to System Design*

### Conference Scope

The 12th ACSD conference aims at cross-fertilizing both theoretical and applied research on the following topics:

design methods, tools and techniques based on models of computation and concurrency (data-flow models, communicating automata, Petri nets, process algebras, state charts, MSCs, etc.), performance analysis, verification, testing and synthesis;  
hardware / software co-design, platform-based design, component-based design, refinement techniques, hardware / software abstractions, co-simulation and verification;  
synchronous and asynchronous design, asynchronous circuits, globally asynchronous locally synchronous (GALS) systems, interface design, multi-clock systems, functional and timing verification;  
concurrency issues in systems on chips, massively parallel architectures, networks on chip, task and communication scheduling, resource, memory and power management, fault-tolerance and quality of service issues;  
(industrial) case studies of general interest, gaming applications, consumer electronics and multimedia, automotive systems, (bio-)medical applications, internet and grid computing, etc.;  
concurrency issues in ad-hoc, mobile and wireless networking, sensor networks, communication protocols, cross-layer optimization, concurrency-related security issues;  
business process modeling, simulation and verification, (distributed) workflow execution, business process (de-)composition, inter-organizational and heterogeneous workflow systems, computer-supported collaborative work systems, web services;  
synthesis and control of concurrent systems, (compositional) modeling and design, (modular) synthesis and analysis, distributed simulation and implementation, (distributed) controller synthesis, adaptive systems, supervisory control.

### Venue

ACSD 2012 will take place in Hamburg from June 25th to 29th, 2012. It will be co-located with PetriNets 2012. Several [workshops](#), a [model checking contest](#), a [Petri net course](#), some [advanced tutorials](#), and a [tools exhibition](#) will surround the two main events. For more information, see

- <http://www.informatik.uni-hamburg.de/TGI/events/pn-acsd2012/home.shtml>

### Paper Submissions

ACSD seeks papers describing original work which has not been previously published and is not under review for publication elsewhere. All files must be prepared using the latest Conference Publishing Services (CPS) conference proceedings guidelines (8.5" x 11" two-column format). The page limit for regular papers is 10 pages.

In addition to regular submissions, described above, there will be a tools section. Tool paper submissions are limited to 6 pages. They will be presented at the conference venue in an interactive session.

The Conference Publishing Services (CPS) will publish conference proceedings. According to the CPS publication requirements, authors of accepted papers are expected to present their papers at the conference, and they will be required to sign copyright release forms. All papers should be submitted via [EasyChair](#).

### Important Dates

- abstract submission deadline 13 Jan 2012
- paper submission deadline: 20 Jan 2012
- notification of acceptance: 08 Mar 2012

### Programme Committee

Jiri Barnat, Twan Basten, Behzad Bordbar, Hanifa Boucheneb, Jens Brandt (co-chair), Benoît Caillaud, Javier Campos, Josep Carmona, Franck Cassez, Thomas Chatain, Silvia Crafa, Rocco De Nicola, Jörg Desel, Zhenhua Duan, Keijo Heljanko (co-chair), Masashi Imai, Petr Jancar, Ryszard Janicki, Gabriel Juhas, Mark Josephs, Victor Khomenko, Fabrice Kordon, Barbara König, Johan Lilius, Robert Lorenz, Agnes Madalinski, Roland Meyer, Mohammadreza Mousavi, Wojciech Penczek, Marta Pietkiewicz-Koutny, Dumitru Potop Butucaru, Jean-Francois Raskin, Partha Roop, Sandeep Shukla, Nikola Trcka, Antti Valmari, Walter Vogler, Karsten Wolf, Tomohiro Yoneda

### Steering Committee

Benoit Caillaud, Jordi Cortadella, Jörg Desel, Alex Kondratyev, Luciano Lavagno, Antti Valmari, Alex Yakovlev (chair)

### Organising Committee

Daniel Moldt (chair), W. van der Aalst (workshops and tutorials), Alex Yakovlev (workshops and tutorials), Lawrence Cabac (tools exhibition), Michael Duval (publicity), Thomas Wagner (publicity)