



First Call for Papers

SoC 2012

The International Symposium on System-on-Chip
Tampere, Finland October 11-12, 2012

Organizer: *Tampere University of Technology / Dept. of Computer Systems*
Technical co-sponsor: *IEEE Circuits and Systems Society (to be confirmed)*
Supported by: *(to be confirmed)*

SoC 2012 is the 14th SoC event, building on the tradition of a series of SoC events organized in Tampere, Finland annually since 1999. It consists of invited talks, contributed scientific papers, and a commercial exhibit with its own industrial program track. The symposium also features a panel discussion on topics of high interest to the System-on-Chip community, and a pre-conference tutorial on October 10. The mission of SoC 2012 is to provide a forum that is fully and comprehensively dedicated to SoC.

We encourage your contribution to the program by submitting a research paper, suggesting a distinguished invited lecturer and/or topic, submitting an abstract to the industry program track, suggesting a tutorial course, or a topic and tentative participants for a panel discussion.

In 2012 we are co-located with **Embedded Systems Week 2012**, Oct 7-12. For that, see www.esweek.org.

Topics of interest include, but are not limited to:

- *Alternative computing concepts*
- *Advanced platform architectures*
- *Analysis and early estimation techniques*
- *Application-specific processors and architectures*
- *Configurable and reconfigurable architectures*
- *Hardware/software reuse techniques*
- *Low-power hardware techniques*
- *Low-power software techniques*
- *Operating systems for embedded systems*
- *Multiprocessor SoC implementations*
- *Network-on-chip and inter-chip communications*
- *Processor and compiler generators*
- *Retargetable compilers*
- *SoC verification and testing*
- *Software runtime environments*
- *Software emulation and simulation*
- *Software tools and languages for multiprocessor systems*
- *Special SoC applications*
- *System-level design flow and methodology*

All topics should be handled highlighting the relevance to SoC.

Author Schedules:

Invited lectures, tutorials and scientific papers: May 14, 2012.

Notification of acceptance for scientific papers: June 29, 2012.

Industrial abstracts, panels, camera-ready papers: August 13, 2012.

Notification of acceptance for industrial abstracts: September 3, 2012.

All submissions must be made electronically in A4 PDF format.

Additional submission instructions are available on the conference website.

The scientific papers will be published in the proceedings of SoC and in IEEE Xplore. Best papers will be invited to be extended and submitted to IEEE Design & Test of Computers and International Journal of Embedded and Real-Time Communication Systems.

Complete details on the symposium website: <http://soc.cs.tut.fi/>

Steering Committee:

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