



# Advanced Call for Papers

## SoC 2008

The International Symposium on System-on-Chip  
**Tampere, Finland November 5-6, 2008**

**Organizer:** Tampere University of Technology / Dept. of Computer Systems

**Technical co-sponsor:** IEEE Circuits and Systems Society

**Supported by:** Nokia Corporation

SoC 2008 is the **10<sup>th</sup> Anniversary SoC**, building on the tradition of a series of SoC events organized in Tampere, Finland annually since 1999. In addition to the invited lectures and commercial exhibit with its own industrial program track, the conference is also open for contributions from researchers on this broad but focused field. The symposium also features a panel discussion on topics of high interest to the System-on-Chip community, and a pre-conference tutorial on November 4. The mission of SoC 2008 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.

The special theme of the year is **Software-Defined and Cognitive Radio**.

**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: June 2, 2008.

Notification of acceptance for scientific papers: July 4, 2008.

Industrial abstracts, panels, camera-ready papers: August 15, 2008.

Notification of acceptance for industrial abstracts: September 12, 2008.

All submissions must be made electronically in PDF format.

Additional submission instructions are available on the conference website.

Complete details about the submission, author schedules, registration, program and venue are available on the symposium website:

<http://soc.cs.tut.fi/>

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