



Call for Papers

SoC 2004

The International Symposium on System-on-Chip
Tampere, Finland November 16-18, 2004

Organizer: *Institute of Digital and Computer Systems at Tampere University of Technology*
Sponsored by: *Nokia Corporation*
Technical co-sponsor: *IEEE Circuits and Systems Society*
In co-operation with: *National TELESOC graduate school*

SoC 2004 builds 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 now for the second time open for contributions from researchers on this broad but focused field. The symposium also features panel discussions on topics of high interest to the System-on-Chip community, and a pre-conference tutorial on November 15. The mission of SoC 2004 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.

Topics of interest include, but are not limited to:

- *Alternative computing paradigms*
- *Analysis and early estimation techniques, technology roadmaps*
- *Application-specific processors and architectures*
- *Configurable and reconfigurable architectures*
- *Design flow and methodology*
- *Embedded processor hardware*
- *Embedded software tools and techniques, e.g. retargetable compilers*
- *Engineering education to qualify for SoC*
- *Legal aspects and business opportunities*
- *Low-power techniques*
- *Multiprocessor SoC*
- *Network-on-Chip*
- *On-chip communication and interconnects*
- *Physical design issues*
- *Platform architectures*
- *Reuse techniques*
- *SoC applications*
- *System-level integration*
- *Tools and languages for SoC design*
- *Verification, debugging, testing and testability*

All topics should be handled **highlighting the relevance to SoC**.

Submission Due Dates:

Invited lectures and scientific papers: May 31, 2004.

Tutorials: June 30, 2004.

Industrial abstracts and panels: August 13, 2004.

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://www.cs.tut.fi/soc/>

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