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# Call for Papers

# SoC 2014

The International Symposium on System-on-Chip

**Tampere, Finland October 28-29, 2014**

**Organizer:** Tampere Univ. of Tech. / Dept. of Electronics and Communications Engineering

**Technical co-sponsor:** IEEE Circuits and Systems Society (to be confirmed)

**Supported by:** (to be confirmed)

SoC 2014 is the 16<sup>th</sup> 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, special sessions, 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 27. The mission of SoC 2014 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, special session, or a topic and tentative participants for a panel discussion.

**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*
- *Hardware/software co-design and reuse techniques*
- *Low-power hardware and software techniques*
- *Operating systems for embedded systems*
- *Multiprocessor SoC implementations*
- *Network-on-chip and inter-chip communications*
- *Processor and compiler generators*
- *Reconfigurable architectures*
- *Retargetable compilers*
- *SoC verification and testing*
- *Software runtime environments, SW 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:

Special session proposals, invited lectures, tutorials: March 31, 2014.

Scientific papers: August 11, 2014

Notification of acceptance for scientific papers: September 8, 2014.

Industrial abstracts, panels, camera-ready papers: September 25, 2014.

Notification of acceptance for industrial abstracts: September 30, 2014.

Paper 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 a special issue in the Journal of Signal Processing Systems (Springer).

In 2014 we are co-located with the Nordic Microelectronics Conference NORCHIP (taking place on Oct. 27-28, 2014).

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

