

# 28th Norchip Conference

15-16 November 2010, Tampere, FINLAND



## Norchip

### General Scope of the Conference

The NORCHIP conference is the main microelectronics event of the Nordic countries.

The annual IEEE CAS technically sponsored conference covers all areas of microelectronics, spanning from large digital systems to simple analog circuits. The wide scope of NORCHIP is intentional promoting cross-field collaboration. NORCHIP is a well established conference with representation from both academia and industry. Papers of the highest scientific and technical quality are presented together with selected invited speakers and pre-conference tutorial sessions.

### Technical programme

The twenty-eighth NORCHIP conference will take place on 15-16 November 2010. The Management Committee invites people from academia and industry in all Europe to contribute papers. Contributions for the 2010 conference in Tampere should be in the following areas:

- Digital and analog Microelectronics/nanoelectronics
- Embedded systems, FPGA and rapid prototyping
- Biomedical Circuits and Systems
- Sensors, Imagers, MEMS devices
- Sensor interface circuits, data-converters
- Measurement, modeling, and simulation of hardware
- Mixed mode designs, high frequency circuits, design for testability
- CAE, design tools, VLSI design methodology, neural networks
- Packaging and interconnect
- Network-on-Chip
- Wireless Circuits and Systems

Papers may be selected for either lecture or poster presentation. Equal quality measures will be applied to posters and lectures. All accepted papers will be published in the conference USB proceedings.

Papers will be selected on the basis of a full length paper (4 A4 pages, additional 2 pages can be acquired for 100 EUR) by the Management Committee based on a peer review made by the Review Committee. Papers should be submitted no later than 20 August 2010.

### Submission of Contributions

The published proceedings will be printed from camera ready pdf files supplied by authors. The paper must follow the IEEE standard as described in the "submission of contributions" section at [www.norchip.org](http://www.norchip.org).

Submitted papers must not exceed four (six) A4 pages with all illustrations and references included. Only black and white photographs can be accepted. Papers should be submitted as a pdf file no later than 20 August 2010 (see instructions on [www.norchip.org](http://www.norchip.org)).

Authors will be notified in September 2010. Papers selected for presentation will be presented in USB conference proceedings which will be distributed upon registration. Proceedings and all presentations will be in English.

### Location

**Scandic Tampere City**  
Hämeenkatu 1  
FI-33100 Tampere  
Finland

[www.norchip.org](http://www.norchip.org)

CONFERENCE SECRETARIAT

Technoconsult ApS, Agern Allé 3, DK-2970 Hørsholm, DENMARK  
Tel: +45 2212 5244, Fax: +45 4576 5708, E-mail: [info@norchip.org](mailto:info@norchip.org)



### Management Committee

- Chairman: Tor S. Lande, University of Oslo (N)
- Kari Halonen, Aalto University (FI)
- Erik Bruun, Technical Univ. of Denmark (DK)
- Jan Madsen, Technical Univ. of Denmark (DK)
- Viktor Öwall, Lund University (SE)
- Peeter Ellervee, Tallinn University of Technology (EE)
- Jari Nurmi, Tampere University of Technology (FI)

### Review Committee

- Chair: Jari Nurmi, Tampere University of Technology (FI)
- Vice Chair: Kari Halonen, Helsinki University of Technology (FI)
- Pietro Andreani, Lund University (SE)
- Snorre Aunet, Univ. of Oslo (NO)
- Elmars Bekeris, Riga Technical University (LV)
- Leandro Soares Indrusiak, University of York (UK)
- Mohammed Ismail, Royal Institute of Technology (SE)
- Gert Jervan, Tallinn University of Technology (EE)
- Jouni Isoaho, University of Turku (FI)
- Kjell Jeppson, Chalmers University of Technology (SE)
- Peter Koch, Aalborg University (DK)
- Juha Kostamovaara, Oulu University (FI)
- Vello Kukk, Tallinn Univ. of Technology (EE)
- Torben Larsen, Aalborg University (DK)
- Saska Lindfors, Helsinki University of Technology (FI)
- Jan Mikkelsen, Aalborg University (DK)
- Yannick Le Moulec, Aalborg University (DK)
- Alberto Nannarelli, Technical University of Denmark (DK)
- Håkan Olsson, Royal Inst. of Technology (SE)
- Timo Rahkonen, Oulu University (FI)
- Tiberiu Seceleanu, University of Turku (FI)
- Rimantas Sheinauskas, Kaunas Univ. of Techn. (LT)
- Svante Signell, Royal Inst. of Technology (SE)
- Henrik Sjöland, Lund University (SE)
- Kalle Tammemäe, Tallinn Univ. of Technology (EE)
- Jim Tørresen, University of Oslo (NO)
- Raimund Ubar, Tallinn Univ. of Technology (EE)
- Olli Vainio, Tampere Univ. of Technology (FI)
- Mark Vesterbacka, Linköping University (SE)
- Dag Wisland, Novelda (NO)
- Trond Ytterdal, NTNU (NO)
- Johnny Öberg, Royal Inst. of Technology (SE)
- Viktor Öwall, Lund University (SE)
- Markku Åberg, VTT Electronics (FI)

### Organising Committee

- Chairman: Ivan Ring Nielsen, Technoconsult (DK)
- Jari Nurmi, Tampere University of Technology (FI)



IEEE



CIRCUITS AND  
SYSTEMS SOCIETY