

## Steering Committee

- General chair: Jari Nurmi, Tampere University (FI)
- Conference chair: Dmitrijs Pikulins, Riga TU (LV)
- Dag Wisland, University of Oslo (NO)
- Atila Alvandpour, Linköping University (SE)
- Peeter Ellervee, Taltech (EE)
- Jussi Ryyänen, Aalto University (FI)
- Jim Törresen, University of Oslo (NO)
- Shen Ming, Aalborg University (DK)

## IEEE CASS VSA-TC Liaison

- t.b.a.

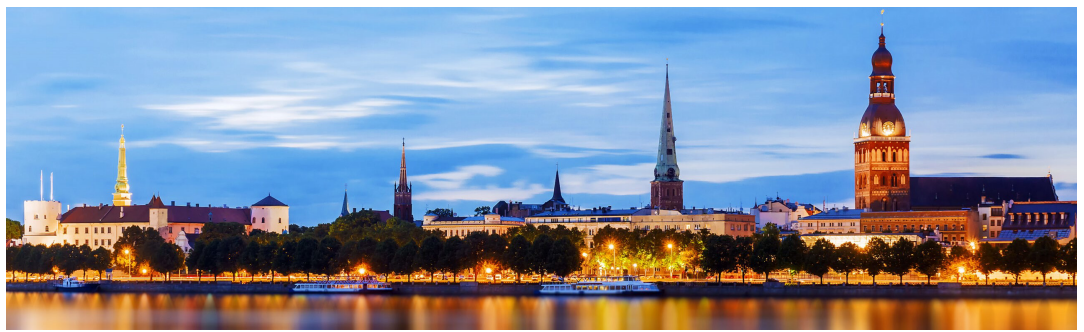
## Technical programme Committee

### Track Chairs:

- Analog/Mixed-Signal: t.b.a.
- Digital: t.b.a.
- SoC: t.b.a.
- Special sessions: Jari Nurmi, Tampere Univ. (FI)

### Members:

- Orazio Aiello, National Univ. of Singapore (SG)
- Janne Aikio, Univ. of Oulu (FI)
- Johan Alme, University of Bergen (NO)
- Atila Alvandpour, Linköping University (SE)
- Paul Annus, Taltech (EE)
- Snorre Aunet, NTNU (NO)
- Marco Balboni, University of Ferrara (IT)
- Abdullah Baz, Umm Al-Qura University (SA)
- Elmars Bekeris, Riga Technical University (LV)
- Baktash Behmanesh, Lund U (SE)
- Claudio Brunelli, Nokia (FI)
- Luigi Carro, UFRGS (BR)
- Mario Casu, Politecnico di Torino (IT)
- Kun-Chih (Jimmy) Chen, National Sun Yat-sen U (TW)
- Yong Chen (Nick), Tsinghua Univ. (CN)
- Hans Jakob Damsgaard, Nokia (FI)
- Patricia Derler, National Instruments (US)
- Peeter Ellervee, Taltech (EE)
- Diana Goehring, TU Dresden (DE)
- Gunnar Gudnason, Oticon (DK)
- Xinfei Guo, Mellanox Technologies (US)
- Oscar Gustafsson, Linköping University (SE)
- Kari Halonen, Aalto University (FI)
- Shadi Harb, Intel, (US)
- Thomas Hollstein, Taltech (EE)
- Heikki Hurskainen, Nokia (FI)
- Waqar Hussain, Nordic Semiconductors (NO)
- Maksim Jenihhin, Taltech(EE)
- Gert Jervan, Taltech (EE)
- Ted Johansson, Uppsala University (SE)
- Gul Khan, Ryerson University (CA)
- Per Gunnar Kjeldsberg, NTNU (NO)
- Kristian Gjertsen Kjelgård, Univ. of Oslo (NO)
- Peter Koch, Aalborg University (DK)
- Selcuk Köse, Univ. of Rochester (US)
- Marko Kosunen, Aalto University (FI)
- Olli-Erkki Kursu, Univ. of Oulu (FI)
- Kimmo Kuusilinna, Nosteco (FI)
- Vesa Lahtinen, Nokia (FI)
- Yannick Le Moulec, Taltech (EE)
- Pasi Liljeberg, University of Turku (FI)
- Liang Liu, Lund University (SE)
- Farshad Moradi, Aarhus University (DK)
- Ilkka Nissinen, Univ. of Oulu (FI)
- Sajjad Nouri (DE)
- Jari Nurmi, TAU (FI)
- Vojin G. Oklobdzija, UC Davis (US)
- Milica Orlandić, NTNU (NO)
- Dmitry Osipov, ITEM (DE)
- Vassilis Paliouras, Univ. of Patras (GR)
- Darshika G. Perera, UCCS (US)
- Ernesto Pérez, CSEM (CH)
- Luca Pezzarossa, DTU (DK)
- Sebastian Pillement, Univ. of Nantes (FR)
- Juha Plosila, University of Turku (FI)
- Timo Rahkonen, Oulu University (FI)
- Toomas Rang, Taltech (EE)
- Jussi Ryyänen, Aalto University (FI)
- Ketil Røed, Univ. of Oslo (NO)
- Juha Röning, Univ. of Oulu (FI)
- Alireza Saberkeri, Linköping University (SE)
- Martin Schoeberl, DTU (DK)
- Shahrian Shahabuddin, Oklahoma State Univ. (US)
- Ibraheem Shayea, Istanbul Technical Univ. (TR)
- Ming Shen, Aalborg University (DK)
- Olli Silvén, University of Oulu (FI)
- Henrik Sjöland, Lund University (SE)
- Kalle Tammemäe, Taltech (EE)
- Jing Tian, Nanjing University (CN)
- Kjetil Ullaland, University of Bergen (NO)
- Vishnu Unnikrishnan, Tampere Univ. (FI)
- Boris Vaisband, McGill University (CA)
- Lan-Da Van, National Chiao Tung Univ. (TW)
- Mark Vesterbacka, Linköping Univ. (SE)
- Seppo Virtanen, University of Turku (FI)
- Upasna Vishnoi, Marvell Semiconductor (US)
- Roshan Weerasekera, U West of England (UK)
- Avinash Yadav, Nvidia (US)
- Trond Ytterdal, NTNU (NO)
- Milad Zamani, Aarhus University (DK)
- Yuteng Zhou, WPI (US)
- Viktor Åberg, Lund University (SE)
- Johnny Öberg, KTH (SE)



## Call for Papers

# 2025 IEEE NorCAS Conference

IEEE Nordic Circuits and Systems Conference  
28-29 October 2025 Riga, Latvia

## General Scope of the Conference

The IEEE NorCAS conference is the main circuits and systems event of the Nordic countries representing both academia as well as electronics industry. The IEEE NorCAS conference is a merge of the well-established conferences NORCHIP and SoC. The annual IEEE CASS co-sponsored conference covers all fields of electronics design, spanning from complex digital systems to advanced analog and mixed-mode circuits. The wide scope of the conference promotes cross-field collaboration not only between academics but also with industry. Papers of high scientific and technical quality are presented together with selected invited speakers and pre-conference tutorial sessions.

## Technical programme

The 2025 IEEE NorCAS conference will take place on 28-29 October 2025. The Steering Committee invites people from academia and industry to contribute papers. Contributions for the 2025 conference in Aalborg shall be in the following areas:

### ANALOG

- Biomedical circuits and systems
- Sensor interface circuits, data-converters
- Wireless circuits and systems
- Mixed mode designs, high frequency circuits, design for testability

### DIGITAL

- Microelectronics/nanoelectronics
- Embedded systems, FPGA and prototyping
- Sensors, Imagers, MEMS devices
- Measurement, modeling, and simulation of hardware
- CAE, design tools, VLSI design methodology
- Machine learning, neural networks
- Packaging and interconnect
- System-level design flow and methodology

### SoC

- Network-on-Chip
- Hardware/software co-design and reuse
- Multicore and manycore platforms
- Reconfigurable architectures
- SoC verification and testing
- Processor and memory design for SoC
- Runtime environments, emulation and simulation

### Special Sessions

- t.b.d.



## Submission of Contributions

Papers will be selected by the Steering Committee on the basis of a full-length paper (4-6 A4 pages) based on a peer review performed by the Technical Programme Committee. There may be a 7<sup>th</sup> page with references only.

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 proceedings and submitted for inclusion in IEEE Xplore.

## Dates and Deadlines

Special session proposals: June 15, 2025

Paper submission deadline: August 15, 2025

Notification of acceptance: September 20, 2025

Final camera-ready papers: October 4, 2025

The proceedings will be composed from camera ready pdf files supplied by authors. The paper must follow the IEEE 2-column standard as described in the paper submission guidelines in the author info section at [events.tuni.fi/norcass/](https://events.tuni.fi/norcass/).

Instructions on special session proposals are found on the web page, too.

The submission site is at [www.conftool.pro/norcass2025](https://www.conftool.pro/norcass2025)

Top papers will be invited to be extended and submitted to a special section planned for IEEE Transactions on Very Large Scale (VLSI) Systems - TVLSI. The extended papers will undergo a separate thorough peer review, as any papers submitted to TVLSI.

## Location

Riga Technical University, Riga, Latvia

## Sponsors:



IEEE NorCAS SECRETARIAT:  
Tampere University  
Korkeakoulunkatu 1 D 430  
FI-33014 Tampere University  
Finland

Tel: +358 40 506 4460

Email: [norcass@tuni.fi](mailto:norcass@tuni.fi)

[events.tuni.fi/norcass/](https://events.tuni.fi/norcass/)

