



# 5<sup>th</sup> International Conference

## Conference

on

# Micro/Nanoelectronics Devices, Circuits, & System (MNDCS-2025)

29-31 JAN

Hybrid mode

## Call for papers

Papers are invited in the area of Micro/Nanoelectronics, Semiconductor Materials, Devices, Circuits and Systems focused on the emerging areas such as: Advanced Logic Technology; Emerging Devices & Compute Technology; Memory Technology; Microwave, Millimeter Wave & Analog Technology; Modeling and Simulation; Optoelectronics, Displays, and Imaging Systems; Power Devices and Systems; Reliability of Systems and Devices; Sensors, MEMS, and Bioelectronics; Analog, Digital, Mixed-Signal IC Design; Embedded and FPGA based Systems design, etc. in the following conference tracks:

**Micro/Nanoelectronics Devices:** Device Physics, Quantum Electronics, Quantum Transport, Compact Device Modelling, LED, MOSFET, MESFET, FinFET, TFET, Beyond CMOS, III-V HEMT, Ga<sub>2</sub>O<sub>3</sub> HEMT, SET, UWB Semiconductor Materials and Devices, 2D Materials: Graphene, Spintronics, Carbon Nanotubes.

**Nanotechnology:** Nanowires, Nanostructures, Flexible Electronics, High Efficiency Solar Cells, Novel Photovoltaic Concepts, Energy Storage, Advanced Energy Materials, Advanced Electronic Devices, Advanced Interconnects, Optoelectronics and Photonics etc.

**Micro/Nanoelectronics Circuits:** Analog VLSI Circuits, Digital VLSI Circuits, Mixed-mode VLSI Circuits, System on Chip (SoC), Bio-electronics Circuits, Circuit Optimization Techniques, Reconfigurable Circuits, HDL based FPGA Design, Testing and Verification, Packaging, Circuit Reliability, DSP based VLSI etc.

**Micro/Nano Systems:** MEMS/NEMS, Sensors, Actuators, Nanogenerator, Energy Harvester, Micromachining, Microfluidics, Lab-on-Chip, Health Care Systems, Embedded System Design, Biomedical Systems, IoT/IoE and Smart Systems, Robotics and Mechatronics, MEMS Packaging, System Reliability, Semiconductor Memories etc.

## Important dates

Full Paper Submission in Springer LNEE Proceedings: Sept. 30, 2024

Format available online at:

<https://www.springer.com/us/authors-editors/conference-proceedings>

Notification of Acceptance: Nov 15, 2024

Revised Paper Submission: Nov 25, 2024

## Highlights

- Keynote Talks (12+) From International/ National Experts and peer networking.
- Oral Presentations and Posters (50+).
- Industry Sessions and Industry Exhibition.
- Accepted & presented papers to be published in Springer LNEE.

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## About the Conference

The 5th edition of Micro/Nanoelectronics Devices, Circuits, and Systems MNDCS-2025 is scheduled during **29-31 Jan, 2025** in Hybrid Mode at *National Institute of Technology (NIT) Silchar, Department of Electronics and Communication (ECE), Silchar, Assam, India* in association with **IEEE EDS NIT Silchar Student Branch Chapter** and **IEEE Nanotechnology Council Chapter**. The objective of MNDCS 2025 is to promote advanced research and developments in the areas of Micro/Nanoelectronics, Semiconductor Materials and Devices, VLSI Circuits and Systems. The conference aims to foster the theme through keynotes, invited talks, and oral/poster presentations of research articles in the most relevant areas allied to the theme of the conference. It'll also create an international platform to share research ideas, scientific thoughts and research problems among academicians, researchers, technologists and scientists.

## Submission Guidelines

- Papers submission link:  
<https://cmt3.research.microsoft.com/MNDCS2025>
- The peer-reviewed and selected papers of the conference would be published in Scopus indexed Springer conference proceedings in "Lecture Notes in Electrical Engineering (LNEE)" series:  
<https://www.springer.com/series/7818>.
- Top quality papers will be published in MDPI Sensors Journal (SCI) and Microsystem Technologies Journal (SCI)



NIT SILCHAR

# 5<sup>th</sup> International Conference on Micro/Nanoelectronics Devices, Circuits, & System (MNDCS-2025)



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