



# 3<sup>rd</sup> International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems MNDCS, 29-31 Jan 2023



## ABOUT THE CONFERENCE

The 3<sup>rd</sup> edition of Micro/Nanoelectronics Devices, Circuits, and Systems *MNDCS-2023* is scheduled during **29-31 Jan 2023** 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 2023 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.

## 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, Optoelectronics and Photonics etc.
- **Micro/Nanoelectronics Circuits:** Analog VLSI Circuits, Digital VLSI Circuits, Mixed-mode VLSI Circuits, System on Chip (SoC), Bioelectronics 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.

## HIGHLIGHTS

- KEYNOTE TALKS (12+) from INTERNATIONAL/NATIONAL EXPERTS
- ORAL PRESENTATIONS AND POSTERS (50+)
- INDUSTRY SESSIONS
- INDUSTRY EXHIBITION
- PEER NETWORKING
- ACCEPTED & PRESENTED PAPERS TO BE PUBLISHED IN SPRINGER LNEE

## IMPORTANT DATES

- **Oct 15, 2022:** Full Paper Submission in *Springer LNEE Proceedings* Format Available Online at: <https://www.springer.com/us/authors-editors/conference-proceedings>
- **Nov 30, 2022:** Notification of Acceptance
- **Dec 30, 2022:** Revised Paper Submission

## SUBMISSION INSTRUCTIONS

- The Papers can be submitted online: <https://easychair.org/conferences/?conf=mndcs2023>
- 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>. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.
- Contact: Email: [mndcs2023@nits.ac.in](mailto:mndcs2023@nits.ac.in)

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### Early Bird Registration

### Late Registration

Regist. Fee	Indian authors	Foreign Authors	Indian Authors	Foreign Authors
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Student	INR 5000	USD 100	INR 5500	USD 150

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