



# 2<sup>nd</sup> International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS-2022), 29-31 Jan 2022



**NIT Silchar**

**About the Conference:** The *Department of Electronics and Communication Engineering, National Institute of Technology Silchar, Assam, INDIA* in association with *IEEE ED NIT Silchar Student Branch Chapter, IEEE Nanotechnology Council Chapter, and Institute Innovation Cell (IIC), NIT Silchar* organises *International Virtual Conference on MNDCS 2022 (<http://mndcs.nits.ac.in/>)* during **29-31 Jan 2022**. The objective of this conference is to promote advanced research and developments in the areas of Micro/Nanoelectronics, Semiconductor 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.

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## Call for Papers: *Topics of Interest Include (but are not limited to)*

**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.

## Important Dates:

- Full Paper Submission: Aug 31, 2021 (Springer LNEE Proceedings Format)**
- Notification of Acceptance: Oct 31, 2021**
- Revised Paper Submission: Nov 15, 2021**
- Format:** <https://www.springer.com/us/authors-editors/conference-proceedings>

## Paper Submission and Publication:

The submission Web page: <https://easychair.org/conferences/?conf=mndcs2022>

The peer-reviewed and selected papers of the conference would be published in **Scopus** indexed *Springer Conference Proceedings in their prestigious "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: [mndcs2022@nits.ac.in](mailto:mndcs2022@nits.ac.in)

