



Springer



**2021 Springer International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS-2021)
(29-31 Jan 2021)
(Virtual Mode)**

Program Schedule

The time as per IST (Indian Standard Time)

DAY-1 Date: 29 Jan 2021 (Friday)

Inauguration

(09:30 AM-10:30 AM)

Guests: Director NITS, Dean RC, HoD-ECE, Patrons (Prof. F. A. Talukdar, Prof. S. Baishya), Prof. Durga Madhab Misra (General Chair), Prof. C. Jagadish, ANU, Australia
Moderator: Dr. T. R. Lenka & Vote of Thanks: Dr. Koushik Guha

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m08d7247926d7cb7f4fb834f5c16f31a7>

Meeting number: 176 294 7622

Password: 5xQ3Juw6Agv

Keynote Talk 1

(10:30 AM-11:30 Noon)

Prof. C. Jagadish, ANU, Australia

Title: Semiconductor Nanowires for Optoelectronics Applications

Chair: Dr. T. R. Lenka

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m08d7247926d7cb7f4fb834f5c16f31a7>

Meeting number:176 294 7622

Password:5xQ3Juw6Agv

Track 1 (Micro/Nano Devices)

(12:00-1:30 PM)

Paper Ids: **[6, 8, 9, 10, 11, 12]**

Chair: **Prof. Rakesh Vaid, Jammu University**

Co-Chair 1: **Dr. Rupam Goswami, Tezpur University**

Track 2 (Micro/Nano Devices)

(12:00-1:30 PM)

Paper Ids: **[28, 32, 34, 36, 37, 51]**

Chair: **Prof. Manoj Saxena, Delhi University**

Co-Chair 1: **Dr. S. K. Tripathy, NIT Silchar**

<p>Cisco Webex Link: https://nits.webex.com/nits/j.php?MTID=m4dd761c83c2ffd1f12bf66f22ed5ff6c Meeting number:176 023 8006 Password:Z3pvRkkYp68 Coordinator: Dr. M. Kavicharan, NIT Silchar</p>	<p>Cisco Webex Link: https://nits.webex.com/nits/j.php?MTID=mfd55239d6880e43e4cef078820b73fc4 Meeting number: 176 840 6895 Password: fPtMpjWv397 Coordinator: Dr. Ujjal Chakraborty, NIT Silchar</p>
<p style="text-align: center;">Keynote Talk 2 (2:30-3:30 PM) Prof. Ilya Sychugov, KTH, Stockholm Title: Silicon nanocrystals: fabrication, properties and applications Chair: Dr. T. R. Lenka</p> <p style="text-align: center;">Cisco WebEx Link: https://nits.webex.com/nits/j.php?MTID=ma3f56dedcc19112bb3def61935d9961d Meeting number: 176 400 5310 Password: qVJ2MDje4Z2</p>	
<p style="text-align: center;">Track 3 (Micro/Nano Devices) (3:30 PM-5:00 PM) Paper Ids: [46, 50, 52, 53, 54] Chair: Prof. Angsuman Sarkar, Kalyani GEC Co-Chair: Prof. Brinda Bhowmick, NIT Silchar</p> <p style="text-align: center;">Cisco Webex Link: https://nits.webex.com/nits/j.php?MTID=m8e8b3ca63f6a7c0eebf611d26657293f Meeting number:176 293 9529 Password: p55Vi4HtPwC Coordinator: Dr. Koushik Guha, NIT Silchar</p>	<p style="text-align: center;">Track 4 (Micro/Nano Devices) (3:30 PM-5:00 PM) Paper Ids: [14, 59, 67, 73, 106] Chair: Prof. S. K. Gupta, MNNIT Allahabad Co-Chair: Dr. M. Kavicharan, NIT Silchar</p> <p style="text-align: center;">Cisco Webex Link: https://nits.webex.com/nits/j.php?MTID=m8f77a35fee071ed9a2a9bb86807f6e1a Meeting number: 176 061 5982 Password: 4DApMMnqc78 Coordinator: Dr. Bijit Choudhury, NIT Silchar</p>
<p style="text-align: center;">Invited Talk 1 (5:30 PM-6:00 PM) Ravi Teja Velpula, NJIT, USA Title: InGaN/GaN Nanowire White Color Light-Emitting Diodes without Electron Blocking Layer Chair: Dr. S. K. Tripathy</p> <p style="text-align: center;">Cisco Webex Link: https://nits.webex.com/nits/j.php?MTID=mbf091a80c98b5a398a41d5d6555627cc Meeting number: 176 611 0006 Password: NJeHT6UrC52</p>	

DAY-2 Date: 30 Jan 2021 (Saturday)

Keynote Talk 3

(9:00 AM-10:00 AM)

Prof. Samar Saha, Prosperient Devices, California, USA

Title: Thin Film Transistors for Ubiquitous Flexible Electronics

Chair: Dr. T. R. Lenka

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m82018feed393ccc107ee0042b95c5360>

Meeting number: 176 684 7610

Password: SYmsuFfn568

Keynote Talk 4

(10:00 AM-11:00 AM)

Prof. Lan FU, ANU, Australia

Title: Selective Area Growth of Multiple-Quantum-Well InP Nanowires for Optoelectronic Device Applications

Chair: Dr. T. R. Lenka

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m82018feed393ccc107ee0042b95c5360>

Meeting number: 176 684 7610

Password: SYmsuFfn568

Invited Talk 2

(11:00 AM – 12:00 Noon)

Prof. P. Sushitha Menon, UKM, Malaysia

Title: Plasmonic Photodetectors

Chair: Dr. S. K. Tripathy

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m82018feed393ccc107ee0042b95c5360>

Meeting number: 176 684 7610

Password: SYmsuFfn568

Track 5 (Micro/Nano Circuits)

(12:00-01:30 PM)

Paper Ids: **[5, 29, 30, 38, 44, 57]**

Chair: **Prof. S. P. Tiwari, IIT Jodhpur**

Co-Chair: **Dr. R. Murugan, NIT Silchar**

Track 6 (Micro/Nano Circuits)

(12:00-01:30 PM)

Paper Ids: **[47, 68, 70, 75, 76]**

Chair: **Prof. Jawar Singh, IIT Patna**

Co-Chair: **Dr. Ku Prasannajit Pradhan, IIITDM, Kancheepuram**

Cisco Webex Link:
<https://nits.webex.com/nits/j.php?MTID=m563a1e28eafad5bef78d7df08136cb77>
Meeting number: 176 847 7321
Password: BCvPk5UpS66
Coordinator: Dr. Brinda Bhowmick, NIT Silchar

Cisco Webex Link:
<https://nits.webex.com/nits/j.php?MTID=m453c7c01c2efde66613e6d8101d3d587>
Meeting number: 176 070 4932
Password: saWR8MnUD52
Coordinator: Dr. S. K. Tripathy, NIT Silchar

Keynote Talk 5
(02:30-03:30 PM)

Prof. Zoran Jaksic, University of Belgrade, Serbia

Title: Freestanding quasi-2D Structures and Materials for Micro and Nanoelectronic and Nanophotonic Systems

Chair: Dr. Koushik Guha

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m3ab8c9e825d1eccd71341d29ec0e8f15>
Meeting number: 176 176 7884
Password: jUPesx3vh42

Track 7 (Micro/Nano Circuits)
(03:30 PM-05:00 PM)

Paper Ids: **[63, 79, 81, 84, 104]**

Chair: **Prof. Naushad Alam, AMU**

Co-Chair: **Dr. Sheikh Aamir Ahsan, NIT Srinagar**

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m373ab71b70a6d1fff91f4b90f41266e2>
Meeting number: 176 132 2403
Password: SRm7dPCRB87
Coordinator: Dr. Ujjal Chakraborty, NIT Silchar

Industry Forum

(05:00 PM - 06:00 PM)

Mr. Sanjoy Kundu, Semiconductor & Thin Film Coating Division

HIGGS BOSON SYSTEMS Pvt. Ltd.

Chair: Dr. S. K. Tripathy

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=maa988c1e0df65b304eff2fd7770050de>
Meeting number: 176 297 2807
Password: z5kBYDth9Y9

DAY-3 Date: 31 Jan 2021 (Sunday)

**Keynote Talk 6
(08:30-09:30 AM)**

**Prof. Yong Shi, Stevens Institute of Technology, New Jersey, USA
Title: Active Micro and Nanostructures for Sensing and Robotics**

Chair: Dr. T. R. Lenka

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=me61921c7308ffb74327a7bfba2d74962>

Meeting number: 176 682 1894

Password: Jq2394wu3mt

Keynote Talk 7

(9:30 AM-10:30 AM)

Prof. Hieu P. T. Nguyen, NJIT, USA

Title: Phosphor-Free III-Nitride Nanowire Light-Emitting Diodes: Challenges, Approaches, and Opportunities

Chair: Dr. T. R. Lenka

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=me61921c7308ffb74327a7bfba2d74962>

Meeting number: 176 682 1894

Password: Jq2394wu3mt

Keynote Talk 8

(10:30 AM-11:30 AM)

Prof. Ajay Agrawal, CEERI, Pilani, India

Title: Nanowires for Biochemical Sensors

Chair: Dr. Koushik Guha

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=me61921c7308ffb74327a7bfba2d74962>

Meeting number: 176 682 1894

Password: Jq2394wu3mt

**Track 8 (Micro/Nano Systems)
(12:00-1:30 PM)**

Paper Ids: **[21, 22, 23, 27, 31]**

Chair: **Prof. K. Srinivasa Rao, KL University**

Co-Chair: **Prof. Sanjay Agrawal, IGNOU, New Delhi**

Cisco Webex Link:

<https://nits.webex.com/nits/j.php?MTID=m58cee14ebce5943828490a1741e17371>

Meeting number: 176 445 5298

Password: MNfFGaN5R74

**Track 9 (Micro/Nano Systems)
(12:00-1:30 PM)**

Paper Ids: **[58, 71, 72, 77, 96]**

Chair: **Prof. Ajay Agrawal, CEERI, Pilani**

Co-Chair: **Dr. Tripti Goel, NIT Silchar**

Cisco Webex Link:

<https://nits.webex.com/nits/j.php?MTID=m21e9d05f51f7b390e1222dec53fde6f0>

Meeting number: 176 597 0773

Password: XyZRVXQp355

Coordinator: Dr. Koushik Guha, NIT Silchar

Coordinator: Dr. S. K. Tripathy, NIT Silchar

**Invited Talk 3
(2:30-3:00 PM)**

Dr. Jacopo Iannacci, Center for Materials and Microsystems, Italy

Title: MEMS for Radio Frequency Passives (RF-MEMS) and for Energy Harvesting (EH-MEMS) Towards and Beyond 5G

Chair: Dr. Koushik Guha

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m7691c66089635934576cf96ceea9fcf8>

Meeting number: 176 143 7075

Password: YAiHMesw488

**Invited Talk 4
(3:00-3:30 PM)**

Dr. Olga Jaksic, University of Belgrade, Serbia

Title: Mass Loading Noise in Micromechanical Resonators: a Model Considering Bimodal Surface Affinity and Adsorbate Depletion in the Resonator Chamber

Chair: Dr. Koushik Guha

Cisco Webex Link: <https://nits.webex.com/nits/j.php?MTID=m7691c66089635934576cf96ceea9fcf8>

Meeting number: 176 143 7075

Password: YAiHMesw488

**Track 10 (Micro/Nano Systems)
(3:30 PM-5:00 PM)**

Paper Ids: [3, 40, 78, 82, 92, 95]

Chair: **Prof. Arindam Biswas, Kazi Nazrul University**

Co-Chair: **Dr. T. Khan, NIT Silchar**

Cisco WebEx Link: <https://nits.webex.com/nits/j.php?MTID=m4143567b02ebb325bba7ed5216e8ef55>

Meeting number: 176 037 1918

Password: ppMf3Ptat37

Coordinator: Dr. T. R. Lenka, NIT Silchar

**Valedictory Ceremony
(5:30 PM-6:30 PM)**

Guests: Director NITSilchar, HoD-ECE, Patrons (Prof. F. A. Talukdar, Prof. S. Baishya), Prof. Durga Madhab Misra (General Chair)

Moderator: Dr. Koushik Guha & Vote of Thanks: Dr. S. K. Tripathy

Cisco WebEx Link: <https://nits.webex.com/nits/j.php?MTID=mf493841766eb006ca534dc4b65491eea>

Meeting number: 176 729 5842

Password: aEm4Pv9gW9c