



2nd International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS 2022)
(29-31 Jan 2022)
(Virtual Mode)

Program Schedule

The time as per IST (Indian Standard Time)

DAY-1

Date: 29th Jan 2022 (Saturday)

Inauguration

(09:00 AM-10:00 AM)

Guests: Prof. Sivaji Bandyopadhyay (Director NITS); Prof. S. Baishya (Dean RC); Prof. R. H. Laskar (HoD-ECE); Patrons (Prof. F. A. Talukdar, and Prof. S. Baishya); Prof. Durgamadhab Misra (**General Chair**)
Prof. Subramanian S. Iyer, UCLA, US (**Chief Guest**); Prof. Lan FU, ANU (**Guest of Honor**); Dr. T. R. Lenka (**General Co-Chair**)
Moderator: **Dr. Koushik Guha** & Vote of Thanks: **Dr. Brinda Bhowmick**

DL Talk 1

(10:00 AM-11:00 AM)

Prof. Subramanian S. Iyer, UCLA, USA

Email: S.S.Iyer@ucla.edu

Title:

Chair: Dr. T. R. Lenka

Email: trlenka@ece.nits.ac.in

DL Talk 2

(11:00 AM-12:00 PM)

Prof. Lan FU,

Research School of Physics, The Australian National University, Australia

Title: Compound Semiconductor Nanowire Arrays: Materials and Devices

Email: lan.fu@anu.edu.au

Chair: Dr. T. R. Lenka
Email: trlenka@ece.nits.ac.in

Track 1 (Micro/Nano Devices)
(12:00-1:30 PM)

Paper Ids: [9, 11, 14, 16, 17, 20]
Chair: **Prof. Angsuman Sarkar, Kalyani GEC, India**
Email: angsumansarkar@gmail.com
Co-Chair: **Prof. Sanjay Agrawal, IGNOU, New Delhi**
Email: sanjay.agrawal@ignou.ac.in
Coordinator: Dr. M. Kavicharan, NIT Silchar
Email: kavicharan@ece.nits.ac.in

Track 2 (Micro/Nano Devices)
(12:00-1:30 PM)

Paper Ids: [22, 24, 25, 27, 29, 30]
Chair: **Prof. Santosh Kumar Gupta, MNNIT Allahabad, UP**
Email: skg@mnnit.ac.in
Co-Chair: **Dr. Kanjalochan Jena, LNM-IIT, Jaipur, Raj**
Email: kanjalochan.jena@lnmiit.ac.in
Coordinator: Dr. Robin Khosla, NIT Silchar
Email: robin@ece.nits.ac.in

Keynote Talk 1
(2:30-3:30 PM)

Dr. Jacopo Iannacci, Fondazione Bruno Kessler, Italy

Email: iannacci@fbk.eu

Title:

Chair: Dr. Koushik Guha
Email: koushik@ece.nits.ac.in

Track 3 (Micro/Nano Devices)
(3:30 PM-5:00 PM)

Paper Ids: [31, 37, 38, 40, 42, 45]
Chair: **Prof. Manoj Saxena, University of Delhi, New Delhi**
Email: msaxena@ieee.org
Co-Chair: **Dr. Raghunandan Swain, PMEC, Berhampur, Odisha**
Email: raghu.etc@pmec.ac.in
Coordinator: Dr. Bijit Choudhury, NIT Silchar
Email: bijitchoudhuri@ece.nits.ac.in

Invited Talk 1

(5:30 PM-6:00 PM)

Ravi Teja Velpula, NJIT, USA

Title: Advantages of Polarization Engineered Quantum Barriers in III-Nitride Deep UV-LED: An EBL Free Approach

Chair: Dr. Koushik Guha
Email: koushik@ece.nits.ac.in

DL Talk 2

(6:00 PM-7:00 PM)

Prof. Patrick Fay, University of Notre Dame, USA

Email: pfay@nd.edu

Title: III-N Nanowire FETs for Low-Power-Applications

Chair: Dr. S. K. Tripathy

Email: sktripathy@ece.nits.ac.in

DAY-2

Date: 30th Jan 2022 (Sunday)

DL Talk 3

(9:00 AM-10:00 AM)

Prof. Nowshad Amin, Institute of Sustainable Energy, Universiti Tenaga Nasional, Malaysia

Email: nowshad@uniteu.edu.my

Title:

Chair: Dr. S. K. Tripathy

Email: sktripathy@ece.nits.ac.in

Keynote Talk 2

(10:00 AM-11:00 AM)

Prof. Sanket Goel, BITS Pilani Hyderabad campus

Email: sgoel@hyderabad.bits-pilani.ac.in

Title: TBA

Chair: Dr. K. Guha

Email: koushik@ece.nits.ac.in

Peer Networking

(11:00 AM – 12:00 Noon)

Chair: Dr. T. R. Lenka

Email: trlenka@ece.nits.ac.in

Track 4 (Micro/Nano Devices)

(12:00-01:30 PM)

Paper Ids: [48, 50, 51, 53, 56]

Chair: **Prof. G. N. Dash, SU, Odisha**

Email: profqndash@gmail.com

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

Email: rupam21@tezu.ernet.in

Track 5 (Micro/Nano Devices)

(12:00-01:30 PM)

Paper Ids: [61, 63, 66, 131]

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

Email: naushad.el@zhcet.ac.in

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

Email: kppradhan@iiitdm.ac.in

Coordinator: Dr. M. Kavicharan, NIT Silchar
Email: kavicharan@ece.nits.ac.in

Coordinator: Dr. Robin Khosla, NIT Silchar
Email: robin@ece.nits.ac.in

Keynote Talk 3

(02:30-03:30 PM)

Prof. Neerish Revaprasadu, University of Zululand, South Africa

Title: TBA

Chair: Dr. Koushik Guha

Email: koushik@ece.nits.ac.in

Track 6 (Micro/Nano Circuits)

(03:30 PM-05:00 PM)

Paper Ids: [8, 10, 33, 65, 170]

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

Email: rakeshvaid@ieee.org

Co-Chair: **Prof. Atanu Kundu, HIT, Kolkata**

Email: kundu.atanu@gmail.com

Coordinator: Dr. Bijit Choudhury, NIT Silchar

Email: bijitchoudhuri@ece.nits.ac.in

Keynote Talk 4

(5:00-6:00 PM)

Prof. Luisa Petti, Free University of Bozen-Bolzano, Italy

Email: Luisa.Petti@unibz.it

Title: Flexible electronics for low-cost and unobtrusive sensor systems everywhere

Chair: Dr. T. R. Lenka

Email: trlenka@ece.nits.ac.in

DAY-3

Date: 31st Jan 2022 (Monday)

Keynote Talk 5

(09:00-10:00 AM)

Prof. Sriram Krishnamoorthy, UCSB, USA

Email: sriramkrishnamoorthy@ucsb.edu

Title: Gallium Oxide Epitaxial Materials And High Performance Power Devices

Chair: Dr. T. R. Lenka
Email: trlenka@ece.nits.ac.in

Keynote Talk 6

(10:00 AM-11:00 AM)

Prof. P. Susthitha Menon, UKM, Malaysia

Email: susi@ukm.edu.my

Title: TBA

Chair: Dr. S. K. Tripathy
Email: sktripathy@ece.nits.ac.in

Invited Talk 2

(11:00 AM-11:30 Noon)

Prof. K. A. Khan, Bangladesh

Email: kakhan01@yahoo.com

Title: PKL Electrochemical Technologies for Electrical Energy Storage Using AgNPs

Chair: Dr. Koushik Guha
Email: koushik@ece.nits.ac.in

Track 7 (Micro/Nano Systems)

(12:00-1:30 PM)

Paper Ids: [6, 7, 13, 18, 21, 23]

Chair: **Prof. Mousiki Kar, HIT, Kolkata**

Email: mousiki.kar@ieee.org

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

Email: triptigoel@ece.nits.ac.in

Coordinator: Dr. M. Kavicharan, NIT Silchar

Email: kavicharan@ece.nits.ac.in

Track 8 (Micro/Nano Systems)

(12:00-1:30 PM)

Paper Ids: [35, 36, 46, 57, 59]

Chair: **Dr. Preetisudha Meher, NIT AP**

Email: preetisudha@nitap.ac.in

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

Email: ahsan.iitk@gmail.com

Coordinator: Dr. Robin Khosla, NIT Silchar

Email: robin@ece.nits.ac.in

DLTalk 4

(2:30-3:30 PM)

Prof. Merlyne De Souza, Electronics at The University of Sheffield, UK

Email: m.desouza@sheffield.ac.uk

Title: CMOS Scaling: Negative Capacitance and Challenges Ahead

Chair: Dr. T. R. Lenka
Email: trlenka@ece.nits.ac.in

Track 9 (Micro/Nano Systems)

(3:30 PM-5:00 PM)

Paper Ids: [19, 32, 44, 62]

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

Email: srinivasakarumuri@gmail.com

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

Email: murugan.rmn@ece.nits.ac.in

Coordinator: **Dr. Bijit Choudhury, NIT Silchar**

Email: bijitchoudhuri@ece.nits.ac.in

Valedictory Ceremony

(5:30 PM-6:00 PM)

Guests: Prof. Sivaji Bandyopadhyay (Director NITS); Prof. S. Baishya (Dean RC); Prof. R. H. Laskar (HoD-ECE); Patrons (Prof. F. A.

Talukdar, and Prof. S. Baishya); Prof. Durgamadhab Misra (**General Chair**); Dr. T. R. Lenka (**General Co-Chair**)

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