



**ONE DAY NATIONAL SEMINAR
ON
“RECENT ADVANCEMENTS IN SEMICONDUCTOR DEVICES AND
MATERIALS (RASDM-2023)”**

(JANUARY 30, 2023)

Organized by Department of Applied Physics

Delhi Technological University in association with IEEE EDS Delhi Chapter

Detailed Programme-Schedule

(Venue: Pragyan Hall, 2nd Floor, Admin Building, DTU)

9:30 AM- 9:35 AM	National Anthem
9:35 AM- 9:45 AM	Floral Welcome of Guests and Lamp Lighting
9:45 AM- 9:50 AM	Welcome Address by Prof. A.S. Rao, Head, Department of Applied Physics, Delhi Technological University (DTU) [Chairperson, RASDM-2023]
9:50AM -9:55 AM	Address by Prof. Suresh C. Sharma, Former Dean (Acad-PG), Delhi Technological University (DTU) [Co-Chairperson, RASDM-2023]
9:55 AM- 10:00 AM	Address by Prof. Venu Gopal Achanta, Director, CSIR-National Physical Laboratory (CSIR-NPL), New Delhi [Chief Guest RASDM-2023]
10:00 AM- 10:10A M	Address by Prof. Jai Prakash Saini, Hon’ble Vice Chancellor, Delhi Technological University (DTU) [Chief Patron, RASDM-2023]
10:10 AM- 10:15 AM	Address by Prof. Madhusudan Singh, Registrar, Delhi Technological University (DTU) [Patron, RASDM-2023]
10:15 AM- 10:20 AM	Vote of thanks by Dr. Amrish K. Panwar, Assistant Professor, Applied Physics, Delhi Technological University (DTU) [Convener, RASDM-2023]

10:20 AM- 10:45 AM	HIGH TEA
10:45 AM- 11:30 AM	LECTURE 1 TOPIC: Sensor Platforms & Affordable IoT Solutions for the Developing World EXPERT SPEAKER: Prof. V. Ramgopal Rao [Shanti Swarup Bhatnagar Awardee and Former Director, IIT Delhi], Department of Electrical Engineering, IIT Delhi Session Incharge: Prof. Rishu Chaujar, DTU
11:30 AM- 12:15 PM	LECTURE 2 TOPIC: Semiconductor Technology for Defence Applications EXPERT SPEAKER: Dr. Seema Vinayak, Director, Solid State Physics Laboratory (SSPL), Delhi Session Incharge: Prof. Rinku Sharma, DTU
12:15 PM- 1:00 PM	LECTURE 3 TOPIC: Exploiting Tunnelling Phenomenon for Capacitorless 1T DRAM EXPERT SPEAKER: Prof. Abhinav kranti, Department of Electrical Engineering, IIT Indore Session Incharge: Prof. Vinod Singh, DTU
1:00 PM- 2:00 PM	LUNCH
2:00 PM- 2:45 PM	LECTURE 4 TOPIC: Field Emission Properties of Metal Decorated Carbon Nanotubes: Looking Beyond Conventional Parameters EXPERT SPEAKER: Prof. Pankaj Srivastava, Head, Department of Physics, IIT Delhi Session Incharge: Prof. Nitin K. Puri, DTU
2:45 PM- 3:15 PM	LECTURE 5 TOPIC: Metal Doped Alq ₃ Nanowires; Synthesis and Characterization EXPERT SPEAKER: Prof. Zishan Husain khan, Head, Applied Sciences and Humanities, Jamia Milia Islamia University (Central University), New Delhi Session Incharge: Dr. M. Jayasimhadri, DTU
3:15 PM- 4:00 PM	LECTURE 6 TOPIC: Recent Development in Semiconducting Quantum Dots for Device Applications EXPERT SPEAKER: Prof. Kedar Singh, School of Physical Sciences, JNU, New Delhi Session Incharge: Dr. M.S. Mehta, DTU
4:45 PM- 5:00 PM	Vote of thanks by Dr. Deshraj Meena, Assistant Professor, Applied Physics and Co-Convener, RASDM-2023