One Day National Seminar

On

Recent Advancements in Semiconductor Devices and Materials (RASDM-2023)

Organized By

Department of Applied Physics
Delhi Technological University (DTU), Delhi

Venue: Pragyan Hall 2nd Floor, Administrative Block, DTU

On

30th January, 2023

Chief Guest

Prof. Venu Gopal Achanta, Director, CSIR-NPL, Delhi

Chief Patron

Prof. Jai Prakash Saini, Hon'ble Vice Chancellor, DTU

Patron

Prof. Madhusudan Singh, Registrar, DTU

Chairperson

Prof. A.S. Rao, HOD, Applied Physics, DTU

Co-Chairperson

Prof. Suresh C. Sharma, Former Dean (Acad-PG), DTU

Convener:

Dr. Amrish K. Panwar

Co-Convener:

Dr. Deshraj Meena

Treasurer: Dr. Renuka Bokolia

Organizing Committee

Department of Applied Physics:

Prof. A.S. Rao, Prof. Suresh C. Sharma, Prof. R.K. Sinha, Prof. Rinku Sharma, Prof. Vinod Singh, Prof. Rishu Chaujar, Prof. Nitin K Puri, Dr. M.S. Mehata, Dr. Yogita Kalra, Dr. Pawan Kr. Tyagi, Dr. M. Jayasimhadri, Dr. Amrish Kumar Panwar, Dr. Ajeet Kumar, Dr. Mukhtiyar Singh, Dr. Sarita Baghel, Dr. Bharti Singh, Dr. Renuka Bokolia, Dr. Deshraj Meena, Dr. Richa Sharma, Mr. Yogendra Meena, Dr. Kamal Kishor

Deans

Prof. Pragati Kumar (IRD), Prof. Rajeshwari Pandey (UG), Prof. Rinku Sharma (PG), Prof. S Indu (SW), Prof. Rajesh Rohilla (AA), Prof. Pravir Kumar (IA), Prof. A.K. Srivastava (Outreach & Extn. Activities), Prof. Rajiv Chaudhary(SD), Prof. Nirendra Dev (Planning & Consultancy)

Head of Departments

Prof. S.K. Garg (Mech. Engg.), Prof. A.S. Rao (AP), Prof. Anil Kumar (AC), Prof. S. Sivaprasad Kumar (AM), Prof. Pravir Kumar (Biotech), Prof. Vinod Kumar (CSE),), Prof. Vijay K. Minocha (Civil), Prof. O.P. Verma (ECE), Prof Ranganath M.S. (Design), Prof. Pragati Kumar (EE), Prof. Anil Kumar Haritash (EN), Prof. Dinesh K. Vishwakarma (IT), Prof. Ruchika Malhotra (SWE), Prof. Nand Kumar (Humanities), Prof. Rajesh Rohilla (Training & Placement), Dr. Archana Singh (DSM), Prof. Amit Mookerjee (USME)

09:30 AM - 10:20 AM : Inaugural Session

(i) 9:30 AM – 9:35 AM
National Anthem

(ii) 9:35 AM – 9:45 AM
Floral Welcome of the Dignitaries and Lamp Lighting

(iii) 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]

(iii) 9:50 AM – 9:55 AM
Address By
Prof. Suresh C. Sharma, Former Dean (Acad-PG), Delhi Technological University (DTU)
[Co-Chairperson, RASDM-2023]

(iv) 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]

(v) 10:00 AM – 10:10 AM
Address By
Prof. Jai Prakash Saini, Hon'ble Vice Chancellor, Delhi Technological University (DTU)
[Chief Patron, RASDM- 2023]

(vi) 10:10 AM – 10:15 AM
Address By
Prof. Madhusudan Singh, Registrar, Delhi Technological University (DTU)
[Patron, RASDM-2023]

(vii) 10:15 AM – 10:20AM
Vote of Thanks By
Dr. Amrish Panwar, Department of Applied Physics, Delhi Technological University (DTU)
[Convener, RASDM-2023]

HIGH TEA: 10:20-10:45 AM

	Speaker	Topic
10:45 AM- 11:30 AM	**Prof. V. Ramgopal Rao** [Shanti Swarup Bhatnagar Awardee and Former Director IIT Delhi]	Sensor Platforms & Affordable IoT Solutions for the Developing World.
11:30 AM-12:15 PM	**Dr. Seema Vinayak**, Director, Solid State Physics Laboratory (SSPL), Delhi	Semiconductor Technology for Defense Applications.
12:15 PM- 1:00 PM	**Prof. Abhinav Kranti**, Department of Electrical Engineering, IIT Indore	Exploiting Tunnelling Phenomenon for Capacitorless 1T DRAM.

LUNCH: 1:00-2:00 PM

Time	Speaker	Topic
2:00 PM-2:45 PM	**Prof. Pankaj Srivastava**, Head, Department of Physics, IIT Delhi	Field Emission Properties of Metal Decorated Carbon Nanotubes: Looking Beyond Conventional Parameters.
2:45 PM-3:15 PM	**Prof. Zishan Husain Khan**, Head, Applied Sciences and Humanities, Jamia Milia Islamia University (Central University), New Delhi	Metal Doped Alq_3 Nanowires; Synthesis and Characterization.
3:15 PM-4:00 PM	**Prof. Kedar Singh**, School of Physical Sciences, JNU, New Delhi	Recent Development in Semiconducting Quantum Dots for Device Applications.

Vote of thanks by: **Dr. Deshraj Meena,**
Assistant Professor, Department of Applied Physics, DTU
[Co-Convener, RASDM-2023]