

National Conference on Physics and Chemistry of Materials

(April 22-23, 2019)

Maharaja Agrasen Institute of Technology. Rohini, Delhi

Program: Venue- Mini Auditorium

April 22, 2019

- 09:00 – 10:00 Registration
- 10:00 – 10:30 Inauguration
Lighting of Lamp
Welcome address by Prof. Neelam Sharma, Director, MAIT
About the Conference by Prof. Chandra Prakash, Convener
Remarks by Dr. Seema Vinayak, Director, SSPL, DRDO
Address by Prof. ML Goyal, Vice Chairman, MATES
Special Address by Prof. Vikram Kumar, Dr. Raja Ramanna Distinguished DRDO Fellow
Vote of Thanks by Prof. Kusum Sharma, Co-convener
- 10:30 – 11:15 Key note address: Prof. Vinay Gupta, Delhi University
Topic: *Surface Plasmon Resonance (SPR): A versatile tool for probing functional materials and optical devices*
- 11:15 – 11:45 Tea Break
- 11:45 – 12:30 Invited Talk by Dr. Seema Vinayak, SSPL DRDO
Topic: *Impact of Wide Bandgap Materials in Microelectronics*
- 12:30 – 13:15 Invited Talk by Prof. Ratnamala Chatterjee, IIT Delhi
Topic: *Smart Magnetic Multifunctional Materials in Micro- Nano regime*
- 13:15 – 14:00 Lunch
- 14:00 – 14:45 Invited Talk by Dr. AK Garg, SSPL DRDO
Topic: *SiC Single Crystal Growth - Status and future Perspective*
- 14:45 – 15:30 Invited Talk by Dr. RS Shinde, RRCAT, Indore
Topic: *Recent advances in Magnetic levitation Technology for Emerging applications in Research & Industry for the 21st century*
- 15:30 – 16:00 Tea Break
- 16:00 – 16:50 Short presentation by Students (10 min each)

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April 23, 2019

- 10:00 – 10:45 Invited Talk by Dr. Renu Tyagi, Associate Director, SSPL DRDO
Topic: *GaN based HEMTs: MOVPE Process Technology Development*
- 10:45 – 11:30 Invited Talk by Dr. RK Bhan, Ex-Associate Director, SSPL DRDO
Topic: *Development of Readout Integrated Circuit and Detector Arrays for Cooled HgCdTe based IRFPA*
- 11:30 – 12:00 Tea Break
- 12:00 – 12:45 Invited Talk by Dr. Monika Tomar, Delhi University
Topic: *Surface acoustic wave devices for wireless sensing applications*
- 12:45 – 13:30 Presentation by Students
- 13:30 – 14:15 Lunch
- 14:15 – 15:30 Poster Presentations
- 15:30 – 16:00 Valedictory function
- 16:00 – 16:30 Tea Break