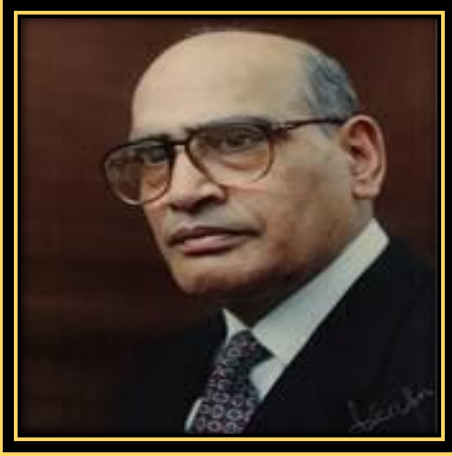


DTU WELCOMES



Chief Guest

Padma Shri

Prof. K. L. Chopra

**Shanti Swarup Bhatnagar
Awardee and Former
Director IIT Kharagpur**

Guest of honor

Prof. V. Ramgopal

Rao

**Shanti Swarup Bhatnagar
Awardee and Director IIT
Delhi**

to the

One Day National Seminar

On

**Recent Trends in Applied Physics
and Engineering (RTAPE-2020)
by Shanti Swarup Bhatnagar (SSB)
Awardees**

10 February, 2020

Organized by

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

Time	Speaker	Topic
4:00 PM - 4:45 PM	Prof. Anurag Sharma [Shanti Swarup Bhatnagar Awardee and Professor, Department of Physics, IIT Delhi]	Photonics Revolution

Vote of thanks by: **Dr. Bharti Singh**,
Assistant Professor, Department of Applied Physics,
DTU [Co-Convener RTAPE-2020]

Organizing Committee:

Department of Applied Physics:

Prof. Rinku Sharma, Prof. A. Srinivas Rao, Dr. Vinod Singh, Dr. Rishu Chaujar, Dr. Nitin K Puri, Dr. M. S. Mehata, Dr. Yogita Kalra, Dr. M. Jayasimhadri, Dr. Amrish Kumar Panwar, Dr. Ajeet Kumar, Dr. Kamal Kishor, Dr. Mukhtiyar Singh, Dr. Sarita Baghel, Dr. Richa Sharma, Mr. Deshraj Meena, Mr. Yogendra Meena

Other DTU Departments:

Prof. S. K. Garg (Mech. Engg.), Prof. A. Trivedi (Civil), Prof. Madhusudan (EE), Prof. Vishal Verma (EE), Prof. Asok De (ECE), Prof. Uma Nangia (EE), Prof. S. Indu (ECE), Prof. Rajeshwari Pandey (ECE), Prof. Neeta Pandey (ECE), Prof. Sangita Kansal (AM), Prof. Pravir Kumar (Biotech), Prof. Kapil Sharma (IT), Dr. Ruchika Malhotra (CSE), Dr. Yasha Hasija (Biotech), Dr. Shikha N. Khera (DSM), Dr. Meha Joshi (DSM), Dr. Shilpa Pal (Civil), Dr. Poornima Mittal (ECE), Prof. Nirendra Dev (Civil)



One Day National Seminar On Recent Trends in Applied Physics and Engineering (RTAPE-2020) by Shanti Swarup Bhatnagar (SSB) Awardees

Organized by
Department of Applied Physics
Delhi Technological University (DTU)

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

10 February, 2020

Chief Patron

Prof. Yogesh Singh, Hon'ble Vice Chancellor, DTU

Patron

Prof. Samsher, Registrar, DTU

Chairperson

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

Co-Chairperson

Prof. Rinku Sharma, HOD, Applied Physics, DTU

Convener:

Prof. A. S. Rao

Co-Convener:

Dr. Bharti Singh

Treasurer: Dr. Renuka Bokolia

09:30-10:20 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. Suresh C. Sharma, Dean (Acad-PG), Delhi Technological University (DTU) [**Chairperson RTAPE-2020**]
- (iv) **9:50 AM - 9:55 AM**
Address By
Prof. Rinku Sharma, Head, Applied Physics, Delhi Technological University (DTU) [**Co-Chairperson RTAPE-2020**]
- (v) **9:55 AM - 10:00 AM**
Address By
Padma Shri Prof. K. L. Chopra, Shanti Swarup Bhatnagar Awardee and Former Director IIT Kharagpur [**Chief Guest RTAPE-2020**]
- (vi) **10:00 AM - 10:05 AM**
Address By
Prof. V. Ramgopal Rao, Shanti Swarup Bhatnagar Awardee and Director IIT Delhi [**Guest of Honor RTAPE-2020**]
- (vii) **10:05 AM - 10:15 AM**
Address By
Prof. Yogesh Singh, Hon'ble Vice Chancellor, Delhi Technological University (DTU) [**Chief Patron RTAPE-2020**]
- (viii) **10:15 AM - 10:20 AM**
Vote of Thanks By
Prof. A. S. Rao, Department of Applied Physics, Delhi Technological University (DTU) [**Convener RTAPE-2020**]

HIGH TEA: 10:20-10:45 AM

Time	Speaker	Topic
10:45 AM - 11:30 AM	Prof. V. Ramgopal Rao [Shanti Swarup Bhatnagar Awardee and Director IIT Delhi]	Connecting Academic R&D with Product Innovation: A few case studies and a way forward
11:30 AM - 12:15 PM	Padma Shri Prof. K.L. Chopra [Shanti Swarup Bhatnagar Awardee and Former Director IIT Kharagpur]	Surface Science and Engineering
12:15 PM - 1:00 PM	Prof. Ajoy Ghatak [Shanti Swarup Bhatnagar Awardee and Meghnad, Saha Fellow of NASI]	Evolution of Quantum Theory & Entanglement

LUNCH: 01:00-02:00 PM

Time	Speaker	Topic
2:00 PM - 2:45 PM	Prof. Vikram Kumar [Shanti Swarup Bhatnagar Awardee and Former Director NPL, New Delhi and SSPL, Delhi]	Gallium Nitride - the new wonder material
2:45 PM - 3:15 PM	Prof. S. C. Dutta Roy [Shanti Swarup Bhatnagar Awardee and Former Professor, Electrical Engineering Department, IIT Delhi]	Recent trends in Engineering Research, with special reference to Electrical Engineering
3:15 PM - 4:00 PM	Prof. Kehar Singh [Shanti Swarup Bhatnagar Awardee and Former Professor, Department of Physics, IIT Delhi]	Optical Cryptography: A Personal Tour (1998-2019)