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)
Vote of thanks by: **Dr. Mukhtiyar 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. Sarita Baghel, Mr. Deshraj Meena, Mr. Yogendra Meena

**Other DTU Departments:**
- Prof. A. Trivedi (Civil), Prof. Madhusudan (EE), Prof. Vishal Verma (EE), 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), Prof. Nirendra Dev (Civil)

---

**One Day National Seminar**

**On**


**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. S. K. Garg**, Pro-Vice Chancellor, DTU

**President**

**Prof. Samsher**, Registrar, DTU

**Chairman**

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

**Convener:**

**Dr. Bharti Singh**

**Co-Convener:**

**Dr. Mukhtiyar Singh**

**Treasurer:** Dr. Renuka Bokolia and Dr. Richa Sharma

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

(i) National Anthem
(ii) Floral Welcome of the Dignitaries and Lamp Lighting
(iii) Welcome Address By Prof. Suresh C. Sharma, Dean (Acad-PG), Delhi Technological University (DTU) [Chairman RTAPE-2020]
(iv) Address By Prof. Rinku Sharma, Head, Department of Applied Physics, Delhi Technological University (DTU)
(v) Address By Prof. Yogesh Singh, Hon’ble Vice Chancellor, Delhi Technological University (DTU) [Chief Patron RTAPE-2020]
(vi) Address By Padma Shri Prof. K. L. Chopra, Shanti Swarup Bhatnagar Awardee and Former Director IIT Kharagpur [Chief Guest RTAPE-2020]
(vii) Address By Prof. V. Ramgopal Rao, Shanti Swarup Bhatnagar Awardee and Director IIT Delhi [Guest of Honor RTAPE-2020]
(viii) Vote of Thanks By Dr. Bharti Singh, Assistant Professor, Department of Applied Physics, Delhi Technological University (DTU) [Convener RTAPE-2020]

HIGH TEA: 10:20-10:45 AM

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 AM -</td>
<td>Prof. V. Ramgopal Rao [Shanti Swarup Bhatnagar Awardee and Director IIT</td>
<td>Multi-Disciplinary Research as a Vehicle for Product Innovation: A few</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Delhi]</td>
<td>Case studies and a way forward</td>
</tr>
<tr>
<td>11:30 AM -</td>
<td>Padma Shri Prof. K. L. Chopra [Shanti Swarup Bhatnagar Awardee and</td>
<td>Surface Science and Engineering</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Former Director IIT Kharagpur]</td>
<td></td>
</tr>
<tr>
<td>12:15 PM -</td>
<td>Prof. Ajoy Ghatak [Shanti Swarup Bhatnagar Awardee and Meghnad, Saha</td>
<td>Evolution of Quantum Theory &amp; Entanglement</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Fellow of NASI]</td>
<td></td>
</tr>
</tbody>
</table>

LUNCH: 01:00-02:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM -</td>
<td>Prof. Vikram Kumar [Shanti Swarup Bhatnagar Awardee and Former Director</td>
<td>Recent trends in Engineering Research, with special reference to</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>NPL, Delhi and SSPL, Delhi]</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>2:45 PM -</td>
<td>Prof. S. C. Dutta Roy [Shanti Swarup Bhatnagar Awardee and Former</td>
<td></td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Professor, Electrical Engineering Department, IIT Delhi]</td>
<td></td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Department of Physics, IIT Delhi]</td>
<td></td>
</tr>
</tbody>
</table>