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)
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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>10:45 AM - 11:30 AM</td>
<td>Prof. V. Ramgopal Rao [Shanti Swarup Bhatnagar Awardee and Director IIT Delhi]</td>
<td>Connecting Academic R&amp;D with Product Innovation: A few case studies and a way forward</td>
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<td>11:30 AM - 12:15 PM</td>
<td>Padma Shri Prof. K.L. Chopra [Shanti Swarup Bhatnagar Awardee and Former Director IIT Kharagpur]</td>
<td>Surface Science and Engineering</td>
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<td>12:15 PM - 1:00 PM</td>
<td>Prof. Ajoy Ghatak [Shanti Swarup Bhatnagar Awardee and Meghnad, Saha Fellow of NASI]</td>
<td>Evolution of Quantum Theory &amp; Entanglement</td>
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LUNCH: 01:00-02:00 PM

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