



## E-Workshop

on

"Spectroscopic Techniques: Basics & Applications "  
December 3<sup>rd</sup>- 4<sup>th</sup>, 2020, CSIR-NPL, New Delhi



Photonics Materials and Metrology Section  
Advanced Materials and Devices Metrology Division  
CSIR-National Physical Laboratory  
New Delhi-110012.INDIA

### Aim of the workshop

This workshop will focus on the fundamental aspects, recent developments and in the fields of applied spectroscopy and will sharpen the knowledge of the fundamental ideas and recent advances in spectroscopy. The workshop will be accessible for a broad audience interested in gaining in-depth knowledge of the aspects and developments in areas following areas but not limited to:

**UV-visible spectroscopy, Raman spectroscopy, Fluorescence spectroscopy (Photoluminescence Steady State, Lifetime and PL mapping), Ultrafast Spectroscopy, Terahertz spectroscopy, ellipsometry and DLS, etc.** The main emphasis of the workshop is on how spectroscopic techniques can help to understand material behavior, correlating structure-property relation, and eventually for elucidating the structure of existing and newly discovered materials.

**There will be few interacting sessions with the resource persons/scientists in their respective fields.**

## Registration

There are limited numbers of seats. Please fill the online registration form available on our website. You need to send the hard copy of completed Registration Form, along with the fees to the address given below. The fees can be paid online (details given below) or by demand draft in favour of "Director NPL Account."

Industry R&D Personnel:	Rs. 2000
Fellows/ Faculty/Scientists:	Rs. 1000
BSc/MSc Students :	Rs. 500
Ph.D/Research scholars:	Rs. 500
Outside India:	USD 50

**E-Certificate will be provided to registered candidates**

**Last date for Registration: 15<sup>th</sup> November 2020**

### Tentative Resource Persons

- **Prof. D.D. Sarma (I.I.Sc, Bangalore)**
- **Prof. Amitava Patra, (Director INST)**
- **Prof. S.S. Prabhu (TIFR)**
- **James N. Hilfiker (J.A. Woollam Co., Inc)**
- **Prof. KK Chattopadhyay (Jadavpur University)**
- **Dr. Vasant Sathe (UGC-DAE CSR)**
- **Prof. Sobhan Sen (JNU)**

**Organizing Secretary:** Dr. Ritu Srivastava, CSIR-NPL

**Convener:** Dr. S. N. Sharma, CSIR-NPL,

**Co-Conveners:**

*Dr. Mahesh Kumar, CSIR-NPL*

*Dr. Bipin Kumar Gupta, CSIR-NPL*

**Contact/Address to send DD:**

**Dr.(Mrs.) Ritu Srivastava / Dr. Shailesh N. Sharma**

Advanced Materials and Devices Metrology Division, CSIR-

NPL New Delhi-110012. INDIA

Phone (Office): 011-45608644/8551/9379/8284

**Email:** [nplspectroscopy@gmail.com](mailto:nplspectroscopy@gmail.com)

**Registration link:**

<https://docs.google.com/forms/d/1n2g5KO6XLvJJj7SW1iUoGYemMaDLJmzEdqT4BDr0B2c/edit>



## REGISTRATION FORM

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**Name:** .....

(In capital letters)

**Designation:** .....

**Department:** .....

**Organization:** .....

**Address:**.....

**Contact No.:**.....

**Email:**.....

### Online Payment Details

**Name of the Bank:** Syndicate Bank

**Bank Branch & Address:** CSIR- National Physical Laboratory, Pusa Campus, New Delhi 110012

**Beneficiary name:** Director NPL

**Bank A/c No.:** 91002010030018

**MICR Code:** 110025087

**IFSC Code:** SYNB0009100

**Reference:** E-workshop STBA

**Email ID:** [nplspectroscopy@gmail.com](mailto:nplspectroscopy@gmail.com)

**GSTIN:** 07AAATC2716R2ZG

The Participants should give the following details regarding on-line payment:

1. Name of the person who deposits the amount in Bank
2. Transaction No.
3. Date of Transaction
4. Amount
5. Bank & Branch Name

You may please visit CSIR-NPL website to see the E-workshop details; [www.nplindia.org](http://www.nplindia.org)

### All sessions will be online

Participants are encouraged to submit abstract. Top three abstracts will be selected based on the novelty, advancements and/or innovation in the field of spectroscopy related to their work and will be provided a certificate of appreciation along with a oral presentation of 5-10 minutes. Please submit abstract at [nplspectroscopy@gmail.com](mailto:nplspectroscopy@gmail.com)