



**National Workshop on Materials
Metrology for Sustainable
Society - 2018
(NWMSS 2018)**

1 – 2nd November, 2018



Jointly organized by

**CSIR-National Physical Laboratory
Dr. K. S. Krishnan Marg, New Delhi-12**

www.nplindia.org

and

**Metrology Society of India (MSI)
New Delhi-12**

www.metrologyindia.org

About the workshop

The success and acceptability of manufactured products in industrial and technological world is depending upon quality of materials which is controlled by accurate and precise measurement of materials properties. The materials property measurements have to be performed by adopting a proper scientific protocol. Such protocols are governed by materials metrology. Metrology is scientific study of measurements and its applications includes all aspects both theoretical and practical with reference to measurements, whatever their uncertainty and in whatever fields of science or technology they occur.

Materials metrology imparts the development of quality products, economy, and technology and for sustainable society. Further, the recent advancement in various fields such environmental engineering, materials engineering, various communication methods, healthcare, renewable energy generation have put pressing demands on “National Metrology Institutes (NMI)” for the realization of the standards of physical and chemical measurements with highest level of accuracies and traceability to the International System (SI) of units. Internationally, BIPM is responsible to take care of metrology and custodian of SI Units. From India, we at CSIR-National Physical Laboratory as a National Metrological Institute has given the responsibility to create awareness on importance of metrology in materials under Versailles Project on Advanced Materials and Standards (VAMAS). VAMAS was established in 1982 by European Communities. The main objective of VAMAS is to promote world trade by innovation and adoption of advanced materials through international collaborations that provide the technical basis for harmonization of measurement methods, leading to best practices and standards. It also includes high quality data generation via Inter-laboratory comparison exercises with precision data.

VAMAS provides an opportunity to develop new Reference materials and standards under different technical areas. The main objective of the workshop is to promote the quality in research and development in India, CSIR-NPL in collaboration with Metrology Society of India (MSI) organizing a two-day workshop under the theme of “Materials Metrology for Sustainable Society”. MSI main objective is to promote and disseminate the scientific knowledge and practice of metrology, the science and art of measurements in varied disciplines.

This workshop covers the metrological aspects of material processing, characterizations. Current workshop is not limited to any particular area of science and this would also provide you an exciting opportunity to participate in international inter-laboratory practices through VAMAS, India.

Important themes of the Workshop

- Basics of Metrology and NPL as NMI of India
- Why Materials Metrology?
- Overview on ISO 17025:2017 certification
- Overview on VAMAS activities on Advanced Research of Materials
- Measurement Traceability
- Indian trade mark of “*Bharatiya Nirdeshak Dravya (BND)*” Reference Materials Production
- Lab visits of Advanced Materials processing and Characterization
- Metrological aspects in measurements (Case studies)

Research & Development Scientists/Technologist from Industries/Research/Govt./Private Institution and Students & Faculty of Academic Institutions are invited to participate in the workshop. Please fill the registration form and send the scanned copy of completed Registration Form with the fee details to the address given below. The fees can be paid online (details given below).

Registration Fee (18% GST is applicable extra)

Industries - Non MSI member	: Rs. 5,000/-
(Industries - MSI member)	: Rs. 4,500/-
Indian Participants(Academic/R&D Institutes)	
Non-MSI Members	: Rs.2,500/-
MSI Members	: Rs. 2,000/-
Students	: Rs. 1,000/-

Important Dates

Deadline for Registration: 20/10/2018
Intimation Regarding Acceptance of Form:
21/10/2018

Registration Details

Name of the Bank: Syndicate Bank
Bank Branch & Address: National Physical
Laboratory, Pusa Campus, New Delhi 110012
A/c Name: Metrology Society of India
A/c Type : Savings Bank
Bank A/c No.: 91002010007422
MICR Code: 110025087
IFSC Code: SYNB0009100
Reference: NWMMSS - 2018

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

Contact/Address to send Registration form

Dr. S. R. Dhakate, Convener, NWMMSS-2018
Advanced Carbon Products and Metrology,
CSIR-National Physical Laboratory,
New Delhi-110012
Phone (Office): 011-45609388
Email: vamasindia@gmail.com

(You may please visit CSIR-NPL website to see the Seminar details at www.nplindia.org)

Organizing Committee

Chairman Dr. D. K. Aswal, Director
CSIR-NPL
Co-Chairman Sh. Anil Kumar, Chief Sc.
Convener Dr. S. R. Dhakate

Members

Dr. V. N. Ojha
Dr. Ranjana Mehrotra
Dr. R. P. Pant
Sh. C.M.S. Rauthan
Dr. S.S.K. Titus
Dr. Sanjay Yadav
Dr. Sushil Kumar
Dr. Bhanu Pratap Singh
Dr. Sreekumar Chocklingam
Dr. S.K. Jaiswal
Dr. Vandana
Dr. Sivaiah Bathula
Dr. Swarupa Tripathi
Dr. M. Saravanan
Dr. Bhasker Gahtori
Dr. Nitin Sharma
Dr. Kiran Mahadeo Subhedar
Dr. Priyanka Maheswari
Dr. Kuldeep Singh
Dr. Saroj Kumari
Sh. R. K. Seth
Sh. Radhey Shyam
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Sh. Naval Kishor Upadhyay
Ms. Preeti Srivastava
Dr. Ritu Srivastava
Dr. Pankaj Kumar
Dr. Sailesh Sharma



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Name:
(In capital letters)

Designation:
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Department:
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Organization:
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Address:.....
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Contact No:

Email:

Accommodation Required: Yes / No

Signature of the Participant:.....

(Accommodation will be provided to limited participants on first come first serve basis)