

International Conference on Thin Films



ICTF-2017



November 13-17, 2017

Venue: CSIR-National Physical Laboratory, New Delhi-110012, INDIA

Advisory Committee

Ajayaghosh A	NIIST, Thiruvanthapuram, India
Basu Sekhar	DAE, India
Biederman H	Charles University, Prague Czech Republic
Cekada Miha	Cost European Co-operation of Sc.& Tech., Slovenia
Chaudhary Santanu	CEERI, Pilani, India
Chopra K L	IIT Delhi India
Conde Olinda	Universidade de Lisboa, Portugal
Czerwec Thierry	Inst. For Phys. of Solids, Germany
Depla Diederik	Diederik Ghent University, Belgium
Esser Norbert	Inst. For Phys. of Solids, Germany
Greene Joe	Univ. of Illinois, USA
Hayakawa Y	Shizuoka University, Japan
Kanjilal D	IUAC Delhi, India
Kessels Erwin	Technische Universiteit, Netherlands
Kumar AS Kiran	ISRO, India
Kumar V	IIT Delhi, India
Majkova Eva	Slovak Academy of Sciences, Slovakia
Radic Nikola	RB Institute, Croatia
Raghavan KV	DBT Delhi, India
Sahni Girish	CSIR Delhi, India
Sharma Ashutosh	DST Delhi, India
Sinha RK	CSIO, Chandigarh, India
Sittner CE	Technische Uni. Wien, Austria
Suzuki Motofumi	Kyoto University, Japan
Tagliaferro Alberto	Polytechnic of Turin, Italy
Yakhmi JV	HBNI, Mumbai, India
Yubero F	Univ. Seville, Spain

GENERAL INFORMATION

CSIR-National Physical Laboratory (NPL) is organizing the 17th International Conference on Thin Films (ICTF-17) in collaboration of Indian Vacuum Society during 13-17 November 2017 at NPL, New Delhi. This is an important series of conference supported by "International Union for Vacuum Science, Technique and Application (IUVSTA)" which is organized every after three years. This triennial conference series endorsed and co-organized by IUVSTA, a union of national member societies whose role is to stimulate international collaboration in the fields of vacuum science, techniques and applications and related multi-disciplinary topics including solid-vacuum and other interfaces.

TOPICS

- ❖ Thin film metrology: precision measurement/characterization methods of thin film for thickness, surface, structure, properties etc & quantum standard.
- ❖ New approaches for thin film growth and characterization
- ❖ Thin film growth mechanism and models
- ❖ Plasma-surface interactions for thin film engineering
- ❖ Thin film multilayer and superlattices
- ❖ Nanostructured composite, multi-component & architecturally designed coatings
- ❖ Semiconductor, dielectric, ferroelectric & piezoelectric thin films
- ❖ Organic & carbon based thin films
- ❖ Magnetic, superconducting and multiferroic thin films
- ❖ Thin films for optoelectronics, nanoelectronics and spintronics
- ❖ Thin film solar cells: inorganic, organic, perovskites etc.
- ❖ Thin film sensors & actuators
- ❖ Industrial thin film coatings & applications
- ❖ Thin films and surfaces for biomedical applications
- ❖ Thin film for batteries
- ❖ Thin film instrumentation

Souvenir, Publication & Exhibition

A souvenir is being brought out on this occasion and an exhibition of thin films and vacuum equipments will also be arranged. A few selected papers of the registered participants will also be published in a proceeding, which may be published by Thin Solid Films/ Bulletin of Materials Science/Indian Journal of Pure & Applied Physics /Bulletin of Indian Vacuum Society.

Manuscript submission

Contributed papers containing new and significant research results on the topic listed in announcement brochure are invited for the Oral and Poster presentation. All the received papers would be subjected to a peer review process before acceptance.

IUVSTA-Elsevier Student Awards

The award is designed to give partial financial support to postgraduate research students within seven years of obtaining their first degree to help them to attend & presenting a paper at ICTF-17 NPL, New Delhi, India. Details on the award & conditions for applications can be find at <http://www.ictf2017.in>

PRE-CONFERENCE WORKSHOP

- ❖ "Industrial thin film coatings" to be held on November 13, 2017 at NPL, New Delhi-110012, India
- ❖ "Thin film solar cells" to be held on November 13, 2017 at IIT, Delhi-110 016, India

DUE DATES

Abstract submission:	July 10, 2017
Registration:	Sept 25, 2017 (without late fee)
Final program schedule:	October 30, 2017
Conference paper submission:	Nov. 20, 2017- Jan.30, 2018

Further information on the conference log on to the websites: <http://www.ictf2017.in>

Organizing Committee

Aswal D K	CSIR-NPL, New Delhi, India
Awasthi DK	IUAC, New Delhi, India
Barshilia H C	CSIR-NAL, Bengaluru, India
Bhattacharyya R	BESU, Howrah, India
Chand Suresh	CSIR-NPL, New Delhi, India
Dhar Ajay	CSIR-NPL, New Delhi, India
Gadkari S.C.	BARC, Mumbai, India
Gupta S	BARC, Mumbai, India
Gupta S K	BARC, Mumbai, India
Gupta Suryakant	IPR, Gandhinagar, India
Gupta V	DU, New Delhi, India
K.C. Mittal	BARC, Mumbai, India
Kumar Sushil	CSIR-NPL, New Delhi, India
Mehta B R	IIT Delhi, New Delhi, India
Pal AK	JU, Kolkata, India
Saha TK	BARC, Mumbai, India
Sahoo NK	BARC, Mumbai, India
Sankaran M.	ISAC, ISRO, Bengaluru, India
Sharma S N	CSIR-NPL, New Delhi, India
Singh Ajay	BARC, Mumbai, India
Subrahmanyam A	IIT Madras, India

Chairman

Dr. D.K. Aswal
Director, CSIR-National Physical Laboratory (NPL),
Dr. K.S. Krishnan Road,
New Delhi – 110012, INDIA
Email:dnpl@nplindia.org
Phone:+91 11 45609307

Convener

Dr. Sushil Kumar
Principal Scientist,
CSIR-National Physical Laboratory (NPL),
Dr. K.S. Krishnan Road,
New Delhi – 110012, INDIA
Email: skumar@nplindia.org
Phone: +91 11 45608650

Co-convener

Mr. Shrikrishna Gupta
Outstanding Scientist & Head, TT & CD, Bhabha Atomic Research Centre (BARC), Central Complex, Mumbai 400 085, INDIA
Email: g.shrikrishna@yahoo.com
Phone:+912225595137

Secretary

Dr. Shailesh N. Sharma
Principal Scientist,
CSIR-National Physical Laboratory (NPL),
Dr. K.S. Krishnan Road,
New Delhi – 110012, INDIA
Email:ictf2017@nplindia.org
Phone:+91 11 45609193

Treasurer

Mr. T. K. Saha
L&PTD, South Site,
Bhabha Atomic Research Centre (BARC), Trombay Mumbai-400085, INDIA
Tel: +91-22-2559 4838,