

About Conference

International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectricity (ICTAM-AMF10) is scheduled to be organized jointly by University of Delhi and Society for Technologically Advanced Materials of India (STAMI) during November 7-11, 2016 at New Delhi, India. Advanced materials have played key role in shaping the modern civilization.

ICTAM-AMF10 will provide a platform to understand the scientific and academic impact of the new materials, and will facilitate the interaction among the researchers to develop new materials for diverse applications. In this event, we expect more than 500 delegates including 150 overseas delegates.

Asian Meeting on Ferroelectricity (AMF10) is the continuation of prestigious Asian Meeting on Ferroelectricity (AMF) of which Prof. R. P. Tandon is the founder member and has been on its International Advisory Board. ICTAM-AMF10 will be organized under the chairmanship of Prof. R. P. Tandon, who has successfully organized International Conferences, including International Conference on Electroceramics (ICE-2009), International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials (ICWNCN-2012), International Conference on Electron Microscopy and XXXV Annual Meeting of Electron Microscope Society of India (EMSI-2014) to name a few.

AMF10 is scheduled to be organized in India for second time. Asian Meeting on Ferroelectricity has been previously has been organized at Japan, Thailand, Taiwan and China.

STAMI was established under the chairmanship of Prof. R. P. Tandon in 2006 by the combined efforts from the academicians and scientists from various Indian institutions and universities, with the headquarter at Nagpur, India. The major activities and services of STAMI includes wide spread awareness of academic culture, inculcation research aptitude among young researchers, designing database of resources in the academic and scientific industries that could be accessed by the global scientific community to promote scholarly communication.

Scope of the Conference: Technologically Advanced Materials

(Not limited to the following)

1. Materials for energy harvesting and applications: Solar Cells, Thermoelectric materials, Lithium Batteries
2. Nanomaterials, Nanophotonics, Nanoelectronics, Nano-Characterization and Nanotechnology for Informatics & Communication
3. Graphene, Carbon nanotubes and related materials
4. Spintronic materials and applications
5. Polymer and soft materials
6. Optical materials for laser, lighting, display, lithography and astronomical applications
7. Electrooptic and photonic materials and devices
8. Metals and alloys for advanced applications
9. Composites and complex materials
10. Smart and intelligent materials for sensor applications
11. Hi-Tech Ceramics
12. Hybrid Materials
13. Engineering materials and technologies
14. Materials for Robotics
15. High temperature materials
16. Anticorrosion materials
17. Biomaterials, Biosensors and Bioelectronic materials

18. Advanced functional materials for Environmental monitoring, antipollution and anti-hazardous materials
19. Environmental and Green materials
20. Coatings
21. Materials for electric and electronic applications
22. Materials for Imaging and Diagnostic and Biomedical Applications
23. Superconductors (High Tc)
24. Advanced characterization techniques for structure and composition of materials
25. Computational analysis, modelling and simulations underlying different materials

26. Related Emerging Areas

Scope of Conference: AMF10 – Ferroelectricity

(Not limited to the following)

1. Ferroelectric and related materials: Classification and Applications
 - i. Piezoelectric materials and devices
 - ii. Pyroelectric materials and devices
 - iii. Relaxor materials
 - iv. Lead free Piezoelectrics: Design, HPB, PPT
 - v. Ferroelectric semiconducting and Perovskite Photovoltaic
 - vi. Electro-optical and Photonic Ceramics
 - vii. Ferroelectric thin films, thick films and Multilayer Electronic Ceramics (MLCC, LTCC, etc.)
 - viii. Multiferroic and Magnetic Materials
 - ix. Microwave dielectrics, Ceramic Integration and Packaging
 - x. Memory devices: FeRAM, RRAM, NEMS, MEMS and SAW devices
 - xi. Glass and Amorphous systems
 - xii. High – K and Nonlinear dielectrics
 - xiii. Ferroelastic, Electrocaloric and Flexoelectric Materials
 - xiv. Single and liquid crystals
 - xv. Ferroelectric Polymers and Composites
 - xvi. Ferroelectric Nanostructures: Nanowires, Nanofibres and Nanodots
 - xvii. Ferroelectric Biomaterials: Tissue and Biofilms
 - xviii. Ferroelectric Capacitors and Batteries
 - xix. Sensors, Actuators and Transducer applications
 - xx. Ferroelectric materials for Microscopic Instruments
 - xxi. Porous Ceramics and Applications
2. Processing of Ferroelectric and related materials
 - i. Conventional Methods
 - ii. Advanced Methods: Microwave, Spark Plasma Sintering, Hot pressing, PLD, Sputtering and MBE deposition
 - iii. Novel methods of Fabrication
 - iv. Mask Fabrication and Patterning Methods
3. Ferroelectric Materials: Characterizations
 - i. Advanced Techniques: MFM, PFM, XPS, SEM, TEM, Insitu and Synchrotron XRD and Neutron diffraction analysis
 - ii. Spectroscopic and Optical Characterizations: NMR, ESR, RAMAN, PL
 - iii. Dielectric, Ferroelectric, Piezoelectric, Magnetic Measurements and Impedance Spectroscopy
4. Ferroelectric Materials: Basic Physics and Theory
 - i. Simulations, modelling and ab-initio calculations
 - ii. Theories: First Principles Calculations, Monte-Carlo Simulations, Phase-Field Simulations
 - iii. Domain Structure, Dynamics and Engineering

- iv. Phenomena based on Surface, Interfaces, Defects, Electric Conduction and Ionics
- v. Phase Diagram and Crystal Chemistry

5. Related Emerging Areas

Technical Sessions

The conference will comprise plenary, invited and contributed papers. Contributed papers will be presented orally as well as during poster session covering recent development in the areas listed.

Presentations

Plenary lectures will be of 40 minutes duration. Duration of invited talk and oral presentation will be 25 minutes and 15 minutes respectively.

Accommodation

For accommodation, please visit conference website for detail.

Publication

Abstract book will be published. Peer reviewed papers will be published in Integrated Ferroelectrics, Ferroelectrics and J. of Advanced Dielectrics. Negotiations are underway on with publishers of Ceramics International. Details will be available on the conference website.

Weather

Month of November in Delhi has pleasant weather with average temperature about 15°C.

Important Dates	
Abstract Submission Opens	March 15, 2016
Registration for Conference Opens	July 01, 2016
Abstract Submission Ends	July 31, 2016
Registration for Accommodation Opens	August 01, 2016
Abstract Acceptance Notification	August 15, 2016
Early Bird Registration Deadline	September 15, 2016
Online Payment Ends	October 20, 2016
Conference Commences	November 7, 2016

Registration Fee		
Delegate Type	Upto September 15, 2016	After September 15, 2016
Foreign Delegate	600 USD	650 USD
Foreign Corporate Delegate	1200 USD	1300 USD
Foreign Student Delegate	350 USD	400 USD
Indian Delegate	8000 INR	9000 INR
Indian Corporate Delegate	25000 INR	30000 INR
Indian Student Delegate	5000 INR	6000 INR
Accompanying Person Foreign)	400 USD	450 USD
Accompanying Person (Indian)	3000 INR	3500 INR

Contact	
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Organized by



University of Delhi
New Delhi-110007
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Society for Technologically Advanced Materials of India (STAMI)