1st International Workshop on Nanomaterials (IWoN): Engineering Photon and Phonon Transport

December 14-15, 2012; Kolkata, India

Organized by

School of Materials Science and Nanotechnology, Jadavpur University, Kolkata
The workshop (IWoN) will involve presentations and poster sessions addressing the latest innovations in research relating to nanomaterials, nanofabrication, diagnostics, metrology and testing techniques with emphasis on exploring the fundamental issues relating to transport phenomena (photons, phonons, fluid flow, mass transfer, heat transfer, radiation transfer, bio/chemical reactions, multi-phase flows, thermo-physical/chemical properties, peculiar behaviour of confined materials, computational modelling of coupled transport mechanisms, etc.). The workshop is aiming for a broad audience of participants in the field of materials science, thermal sciences, engineering, chemistry, physics, and life sciences.

The School of Materials Science & Nanotechnology was established in 1988 with the purpose of imparting excellent training to students and to carry out cutting edge research in the various fields of Materials Science and Nanoscience &Technology. The school got a boost with the initiation of University with potential for excellence programme by UGC in 2003 and state of the art facilities have been created. At present there are at least 25 faculty members from various departments and 40 research scholars are working actively on different current problems under this interdisciplinary school.
Registration

Interested candidates are requested to register for participating in the workshop. The details of the registration fee is as follows:

International Participants: $50
Local Participants
(Faculty & Professionals): Rs. 500
Student Researchers: Rs. 200

Click here for Registration Form
Interested candidates may send their abstracts for POSTER presentation in the workshop

Maximum two A4 pages including Title, Author, Affiliation, Text, Figure(s).

**Title:** Times new roman, 14, Bold  
**Author(s):** Times new roman, 12, Regular  
**Main Text:** Times new roman, 12, Regular

**Important Dates**
- Submission of abstract : 25th November 2012
- Acceptance: 28th November 2012

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Abstract Template  
Home
Topics to be Covered

• Nano-photonics
• Nano-optics
• Meta-materials
• Micro/Nano-fluidics
• Rheological behavior of complex fluids
• Micro/Nano-Scale Interfacial Transport Phenomena
• Micro/Nano-Scale Systems
• Multi-Phase Flows and/or Bio/Chemical Reactions
• Micro/Nano-Scale Radiation
• Micro/Nano-Scale Energy harvesting Technologies (including Energy Storage)
• Micro/Nano-Scale Manufacturing and Materials Synthesis Techniques
• Diagnostics Leveraging Micro/Nano-Technologies
• Nano-Calorimetry
• Ultrafast Diagnostics
• Micro/Nano-Scale Metrology
• Materials Characterization
• Applications in Bio-Medical Technologies
• Applications in Life-Sciences
• Miscellaneous Topics, e.g., fractal nano-structures, chaotic behavior on the nano-scale, etc.
• Computational Studies encompassing the above mentioned topics
Organizing Committee

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List of Speakers and Programme

To be announced soon
Sponsors

We would like to thank

University Grants Commission, India

For contribution to the success of this workshop
Contact us

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