

# International Workshop on Advanced Nanoscience and Engineering

Organized at  
Discipline of Metallurgy Engineering and Materials Science  
Indian Institute of Technology Indore



Date: December 1<sup>st</sup>, 2017, Venue: SB-309, School Building, IIT Indore

## Objective:

Nanotechnology is rapidly invading many aspects of modern society – from science, research and engineering to industrial and commercial applications. The rapid development of nanoscience and nanotechnology has greatly motivated the scientific community and industry to explore new features of both typical and novel materials at the nanoscale level. The size and shape-dependent variation in properties of nanomaterials have opened up a vast array of potential technological applications. Therefore, systematic efforts have been made to find various parameters that directly affect the intrinsic properties of materials at this length scale. By tailoring the surface morphology of nanomaterial, the functional properties can be significantly adapted and specifically combined to produce highly potent multi-functional materials for the fabrication of solar cells, fuel cells, supercapacitors, sensors, field emitters, electrochromic devices, nanogenerators, light-emitting diodes, photodetectors, nanocomposites, nanoelectronics, lasers, lithium-ion batteries, photovoltaics, thermoelectrics, piezoelectrics etc. Nanostructures are both at the forefront of fundamental materials research and becoming part of our daily lives. This international workshop focuses on the processing and properties of nanostructured material for engineering applications.

## Focused Areas:

1. Nanoscience and Nanotechnology
2. Synthesis and Characterization tools of nanomaterials
3. Energy storage materials
4. Energy conversion materials
5. Server plastic deformation of surface
6. Any other area related to nanoscience and engineering

## Invited Speakers:

Prof. Yuan-Ron Ma,  
Physics, NDHU, Taiwan



Prof. Yen-Pei Fu,  
Materials Sci., NDHU, Taiwan



Dr. Kevin Yang,  
AdNaNoTek, USA



**Registration deadline:** November 29, 2017

## Registration Fees:

- UG/Master Students: Rs. 400 /-
- Research Scholars: Rs. 800 /-
- Post-Doc. & Faculties: Rs. 1200 /-
- Industry personals: Rs 3000 /-

The registration fee includes course kit, lunch and high tea.

\*Fee once paid will not be reimbursed unless the event is cancelled.

By post/email - The applicant should e-mail ([rupesh@iiti.ac.in](mailto:rupesh@iiti.ac.in)) the details of the bank transfer and DD (submit before event) of the registration fee in the favor of 'The Registrar, IIT Indore' payable at Indore. Registration fee shall be paid to account (Bank Name: Canara Bank; A/C No. 1476101027440; Branch: IIT Indore, Simrol Campus Branch; IFSC Code: CNRB0006223).

## Convenors:

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Discipline of Metallurgy Engineering and Materials Science (MEMS)

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