INDO – US CENTRE FOR RESEARCH EXCELLENCE ON FABRIONICS

Presents

SHORT-TERM COURSE:

MECHANICS OVER MICRO AND NANO SCALE (STCMMN 09)

Organized Jointly by: ***IIT Kharagpur*** *and* ***BESUS, Shibpur***

December 21-22, 2009 Venue: BESUS, Shibpur (Kolkata)

At the micro and nano scales, realization of many technologically viable ideas relies on skillful integration of the mechanics at macroscopic and molecular levels, both for solids as well as fluids. Revisiting mechanics at these length scales have unravelled new insights which not only conform to mere extrapolation of sizes or scales but have also put forward non-intuitive avenues in the description of properties of matters. Research in the related areas is no longer confined to the understanding of the governing physics of the system, but is also responsible for triggering a technological revolution at small scales. This short term course will highlight some of the recent developments in the fields of mechanics at all forms over micro, meso and nano scales, with a special emphasis to the related novel applications.

FACULTY

H. Stone, Princeton, NJ, USA
A. Ghatak, IIT Kanpur
S. Chakraborty, IIT Kharagpur
A. Ghosh, IIT Kanpur/BESUS
M. S. Bobji, IISc Bangalore
S. Roy, IICB Kolkata

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Head, ATDC, IIT Kharagpur

CORRESPONDENCE ADDRESS

Prof. Suman Chakraborty, Course Coordinator
Department of Mechanical Engineering,
IIT Kharagpur- 721302
stcmmn09@gmail.com

ORGANIZING COMMITTEE

S. Chakraborty, IIT Kharagpur, *Coordinator*
S. DasGupta, IIT Kharagpur, *Co-Coordinator*
S. Karmakar, BESUS
T. K. Maiti, IIT Kharagpur
C. Jacob, IIT Kharagpur
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S. Bhowmik, BESUS

REGISTRATION DETAILS

1. ***For Faculty Participants***: Registration fee is waived. (By invitation only)
2. ***For Student Participants***: Interested UG/PG/PHD students working in related fields are required to apply on plain paper indicating their name, affiliation, contact address (including email), CGPA/CPI/ Marks up to the present level and a short paragraph on the motivation behind attending the workshop. The completed applications forwarded by respective heads of department should be posted to the address of the course coordinator, by 25th November, 2009. Registration fee will be waived for the selected candidates.
3. ***Industry participants***: Registration Fee is Rs 30,000.