

CENTRE FOR ADVANCED AND FUTURISTIC MANUFACTURING
Indian Institute of Technology Kanpur
Kanpur- 208016

Workshop on Futuristic Shaping Technology at Meso, Micro and Nano Scales
Oct 9 - 12th, 2007

Objective:

This workshop is aimed at presenting the state of the art and future trends in material shaping and fabrication technologies at meso, micro and nano scales. A special lecture series is devoted to challenges of futuristic engineering, related to shaping and material manipulation, by the eminent world leaders of the respective areas. It is hoped that this will excite the undergraduate and postgraduate students encouraging many of them to take R&D as their future career. The current feeling among most students that nothing exciting is left in engineering can be corrected by these special lectures.

The schedule for the Special lecture series is as follows:

Lecture 1

Topic : Tool-based Integrated Hybrid Micro Machining
Speaker : Prof. R.Rahman, National University of Singapore
Date : 10th October, 2007
Time : 18:30 - 19:30
Venue : Outreach complex,Auditorium

Lecture 2

Topic : 3-D Nanoscale Imaging with X-Rays
Speaker : Prof. Kumar Wickramasinghe, University of California, Irvine
Date : 11th October, 2007
Time : 14:00 - 15:00
Venue : Outreach complex,Auditorium

Lecture 3

Topic : Point-of-Need Manufacturing
Speaker : Prof. K.F.Ehemann, Northwestern University
Date : 11th October, 2007
Time : 15:00 - 16:00
Venue : Outreach complex,Auditorium

Lecture 4

Topic : Biomimetic MEMS and NEMS Sensing
Speaker : Prof. Marc Madou, University of California, Irvine
Date : 11th October, 2007
Time : 16:30 - 17:30
Venue : Outreach complex,Auditorium

Lecture 5

Topic : Ultra Fast,Low Cost Genome Sequencing by Surface Electrophoresis
Speaker : Prof. Kumar Wickramasinghe, University of California, Irvine
Date : 11th October, 2007
Time : 17:30 - 18:30
Venue : Outreach complex,Auditorium

Lecture 6

Topic : Creative Fabrication on Small Scales: Up, Down and Lateral
Speaker : Prof. Ashutosh Sharma, I.I.T Kanpur
Date : 12th October, 2007
Time : 09:00 - 10:00
Venue : L-15, Lecture Hall Complex

Lecture 7

Topic : Micro-Manufacturing for Bio-Medical applications
Speaker : Prof. S.G. Kapoor, University of Illinois at Urbana-champaign
Date : 12th October, 2007
Time : 10:30 - 12:30
Venue : L-15, Lecture Hall Complex

All Undergraduate and Post graduate students are welcome to attend the special lecture series. For better organization, we request the interested students to register with Mr.vineet.

Kindly drop mail to vineet@iitk.ac.in.

There are only limited seats available.