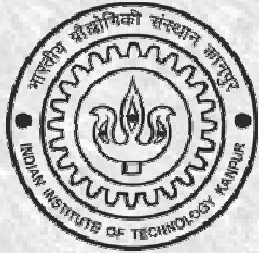
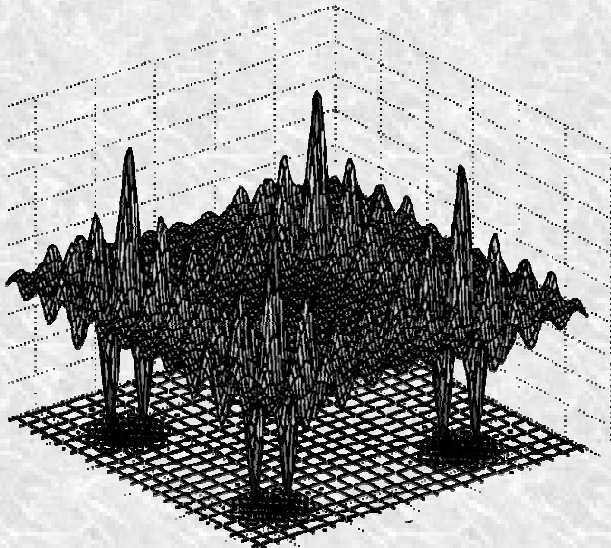


A Short Term Course on Mathematical Methods in Engineering and Science



Centre for Mechatronics
Indian Institute of Technology Kanpur
India.

Course Coordinator:
Dr. Bhaskar Dasgupta



Objectives of the Course

Cutting-edge frontiers in technology and global competition has made it imperative for industry to continuously strengthen its research activities, a significant component of which involves application of mathematical and computational methods. Obviously, this component of research is vital for academia as well for industry and R&D establishments.

The purpose of this course is to arm the participant with the necessary ideas and methods, so that when mathematical elements appear in research, one can tackle them with confidence, possibly with further independent study into specialized areas. Its major role is to summarize, crystallize, enhance and give a forward orientation to the mathematical methods taught in undergraduate curriculum, with projections to future requirements.

Course Contents

- ✓ Numerical Linear Algebra,
- ✓ Nonlinear Optimization,
- ✓ Numerical Methods,
- ✓ Vector and Complex Analysis,
- ✓ Differential Equations,
- ✓ Approximation Techniques.

Course Fees

General category (from India):Rs.12000/-
College teachers (if not supported by QIP) and
Students (from India): Rs 6000/-
From SAARC countries : INR 15000/-
From outside SAARC: 600 USD

How to Apply

Those interested in attending the course are requested to fill the registration form enclosed and send the completed application with a passport size photograph and a demand draft towards the course fee in favour of “MMES 2008” payable at State Bank of India, IIT Kanpur Branch, to the address

Dr. Bhaskar Dasgupta,
Centre for Mechatronics,
Indian Institute of Technology,
Kanpur, Uttar Pradesh, India,
Pin Code — 208 016;

so as to reach by 5 Jan 2009.

Important Points to Note

- ✓ In student category, a limited number of participants will be selected, based on seat availability.
- ✓ Accommodation and meals will be appropriately arranged for the participants, against normal institute charges.
- ✓ From the funding received from the MHRD, the participation of around 30 college teachers will be financially supported by the usual QIP norms. See course website
<http://home.iitk.ac.in/~dasgupta/stc2k9/>
for details.

Registration Form
Mathematical Methods in Engineering and Science (MMES) – 2009
A Short Term Course, January 19-31, 2009

(Please fill in block letters or type)

NAME:
SEX (for accommodation purposes):
QUALIFICATION:
EXPERIENCE:
AREAS OF INTERESTS:
DESIGNATION:
DEPARTMENT:
INSTITUTE/ORGANIZATION:
FULL ADDRESS:

PHONE:
FAX:
EMAIL:
DEMAND DRAFT NUMBER, BANK AND DATE:
RECOMMENDATION OF HEAD OF INSTITUTION
(Not needed for general category):

SIGNATURE WITH SEAL

SIGNATURE (Participants)

Address for Correspondence

Dr. Bhaskar Dasgupta,
Centre for Mechatronics,
Indian Institute of Technology,
Kanpur, Uttar Pradesh, India,
Pin Code — 208 016;
Phone: 0512-259-7995/7095/8706
Fax: 0512-259-7995/7408
Email: dasgupta@iitk.ac.in
URL: <http://home.iitk.ac.in/~dasgupta>

Mr. Vivek K. Shukla,
Department of Mechanical Engineering,
Indian Institute of Technology,
Kanpur, Uttar Pradesh, India,
Pin Code --- 208 016.
Phone: 0512-259-7627
Mobile: (0)9450738939
Fax: 0512-259-7408
Email: ksvivek@iitk.ac.in

For office use only

Ref. No. : Photo: received/required

Remarks:

(Course Coordinator)

Date: