



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY



**NATIONAL PROGRAMME ON DIFFERENTIAL
EQUATIONS:
THEORY, COMPUTATION & APPLICATION
NPDE-TCA-2015**

(Sponsored by DST)

Announcement of

**ADVANCED LEVEL WORKSHOP on Variational Inequality (VI) & Applications
at
Sharda University, Knowledge Park-III, Greater Noida
January 24-28, 2016**

On the occasion of silver jubilee celebration of ISIAM in 2016, it is planned to organize a 5 days advanced level workshop on Variational Inequality and Applications under National Programme on Differential Equations: Theory, Computation & Applications (NPDE-TCA). This workshop is prior to the ISIAM Conference which will be held in Sharda University during January 29-31, 2016.

AIM: The main objectives are :

1. To expose the participants to applications of Variational Inequality to PDEs.
2. To bring together the researchers working on Variational Inequality.

TARGET AUDIENCE:

Ph.D. Students, Young Researchers, Post-doctoral Fellows and Young Faculties. Preference is given to those having exposure to Sobolev spaces and weak solutions to elliptic PDEs

MAIN TOPICS:

- Module I. Review of Sobolev spaces and weak Formulation of Elliptic Problems
- Module II. Theory of Monotone operators
- Module III. Variational Inequalities and Applications to PDEs
- Module IV. Finite Elements Methods for obstacle problems

RESOURCE PERSONS:

Mohan C Joshi (IIT Gandhinagar); S Kesavan (IMSC Chennai); Amiya K Pani (IIT Bombay); Neela Nataraj (IIT Bombay); T. Gudi (IISc Bangalore); A.A. Khan (Rochester Institute of technology, USA); Barbara Lee Keyfitz (Ohio State University, USA)

COORDINATORS: Amiya K Pani (IIT Bombay) , Mohan C Joshi (IIT Gandhinagar).

LOCAL ORGANIZING COMMITTEE: A.H. Siddiqi , P. Manchanda.

PARTICIPATION & REGISTRATION FEES:

To participate in workshop fill the required online form available on the website :

<http://www.npde-tca.math.iitb.ac.in/>. Participants are strongly encouraged to attend both workshop and conference

REGISTRATION FEES:

Fees of Rs. 1000/- only for the workshop and Rs. 2000/- for both conference and workshop payable at the time of registration at Sharda University.

LOCAL CONTACT:

A.H. Siddiqi (siddiqi.abulhasan@gmail.com) / +91 9871069944/ +91- 9837069944)

P. Manchanda (pmanch2ki@yahoo.co.in) / +91-9815010067)

Last Date of receipt of application: 10th December, 2015

Selection of participants will be based of their academic records and recommendation letters.

List of selected participants will be put on the web page by 12th December, 2015

