

ADVANCED WORKSHOP ON FINITE DIFFERENCE METHODS FOR DIFFERENTIAL EQUATIONS

Supported by DST through National Program on Differential
Equations: Theory, Computation & Applications at IIT Bombay

13-17 MARCH 2015

VENUE

Department of Mathematics,
South Asian University, Akbar Bhawan, Chankyapuri, New Delhi

THEME:

The primary goal of the workshop is to expose the participants to the latest developments and various mathematical concepts in the field of finite difference methods for differential equations and applications in various research areas. The workshop will provide a platform for the interaction of the researchers working in this field.

TOPICS TO BE COVERED:

- Compact Finite difference Method.
- Alternating Direction Implicit Scheme.
- Parallel Block-AGE Iterative Algorithms.
- Finite Difference Method in Financial Mathematics.
- Finite Difference Method for Singular Perturbation Problems.

TARGET AUDIENCE:

Masters students in Mathematics, Research Scholars with exposure to ODEs PDEs and Scientific Computing. Young Researchers working in this field.

PARTICIPATION AND REGISTRATION:

There are limited seats available that will be offered on first come first serve basis. For registration, send your brief CV to the address: **kapil.conferences@gmail.com**. Limited accommodations are available and may be provided to the outside participants.

DEADLINES

Apply by **20th February 2015**.

Announcement of Final Participants: 22th February, 2015.



IIT Bombay

PATRON

Dr. Kavita A. Sharma
President
South Asian University

RESOURCE PERSONS

Prof. M.K. Kadalbajoo(IIT Kanpur)
Prof. Amiya K Pani(IIT Bombay)
Prof. BV Ratish Kumar(IIT Kanpur)
Prof. Y VSS Sanyasiraju(IIT Madras)
Prof. SCS Rao (IIT Delhi)
Prof. VS Hari Rao (JNTU Hyderabad)
Prof. Sirj-ul-Islam (UET Pakistan)
Prof. RK Mohanty (SAU Delhi)
Prof. Kapil K Sharma (SAU Delhi)
Dr. Navnit Jha (SAU Delhi)

COORDINATORS

Prof. RK Mohanty
Prof. Kapil K Sharma
Dr. Navnit Jha

ORGANIZING COMMITTEE

Prof. RK Mohanty
Prof. Pankaj Jain
Prof. Deepa Sinha
Prof. Kapil K Sharma
Dr. Navnit Jha
Dr. Danish Q M Lohani
Dr. Saroj K Sahani
Dr. Jagdish C Bansal