



**Indian Institute of Science, Bangalore
&
Indian Institute of Technology, Kanpur**
jointly organise



NPDE-TCA advanced workshop on
Finite element methods for Navier-Stokes equations
September 8 – 12, 2014, SERC, IISc, Bangalore

OBJECTIVES

- To introduce mathematical models for fluid flows using compressible and incompressible Navier-Stokes equations (NSE) (laminar and turbulent)
- To deliberate about the current trends in computations of CFD models
- To discuss FE formulation for the NSE with different types of boundary conditions
- To provide FE algorithms for large scale scientific computing
- To provide hands-on training in the use of the in-house FE package, MooNMD

RESOURCE PERSONS

Prof. T. Basak (IITM), Dr. Sashikumaar Ganesan (IISc), Prof. Volker John (WIAS, Germany), Prof. Ratish Kumar (IITK), Prof. Sanjay Mittal (IITK), Dr. C. Praveen (TIFR-CAM), Dr. R. K. Singh (BARC), Prof. Lutz Tobiska (Uni-Magdeburg, Germany)

COORDINATORS

Prof. Ratish Kumar (IITK) & Dr. Sashikumaar Ganesan (IISc)

TARGET AUDIENCE

Post-graduate and PhD students, Post doctoral fellows, Young researchers

REGISTRATION

Fill in the required registration form in the workshop website, and send your CV and a scanned copy of the recommendation letter from your supervisor / HOD by E-mail to the below E-mail address. Selected participants will be provided TA, lodging and boarding facilities as per the rules.

Last date for registration July 8, 2014

FEMNSE-2014

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