



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, MoonNMD

RESOURCE PERSONS

Prof. T. Basak (IITM), Dr. Sashikumar 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. Sashikumar 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, in addition, post graduate or PhD students have to upload their CV and a scanned copy of the recommendation letter from their supervisor / HOD. 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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