



University of Hyderabad

Centre for Modelling Simulation and Design

and

Advanced Centre for Research in High Energy Materials

are jointly conducting

WORKSHOP ON COMPUTATIONAL FLUID DYNAMICS

(SPONSORED BY DST, NEWDELHI)
SEPTEMBER 21 – 25, 2010

Objectives of the Workshop

- To familiarize basic concepts of Computational Fluid Dynamics.
- Applications of CFD Techniques in Aerospace, Mechanical, Chemical and Civil Engineering problems.
- Hands on session on grid generation and CFD solver.

About the Workshop

The workshop is so designed that the participants would learn the fundamental aspects of CFD Techniques from the experts, from the academia. Experts from industry will share their experiences on application of CFD techniques in designing practical system. Participants will get opportunity to get hand-on experience on grid generation and solver from advanced CFD packages.

Topics Covered

- Basics of Numerical methods
- Fundamentals of CFD solver
- Grid free method
- CFD in Hypersonic
- CFD in heat transfer, chemical process and combustion.
- CFD in Aerospace vehicle design.
- CFD in Multidisciplinary Topics.

Selection of Participants

Eligibility criteria:

- Candidates with background relevant to the workshop at post-graduate level, with knowledge of mathematics at graduate level
- Candidates with research interests in simulation and modeling of complex systems.

Submission of application:

- Application form can be downloaded from the CMSD website (a specimen form is provided below), and filled form is to be forwarded by the Head of the Institution/Department/ Research Supervisor (as the case may be) with specific recommendation.
- The application should be accompanied by a concept note (of about two pages) on how the candidate proposes to make use of the training at the CMSD in his/her research projects.
- The selection of participants will be made by a Committee duly appointed for this purpose, and will be based on proven background knowledge of the applicant in the subject area and on the content of the concept note. The number of applicants for a given Workshop is limited to 50.

Registration:

- Government or Public funded universities and research institutions. Limited scholarship is available to cover:
 - Registration Fee.
 - Accommodation
 - Travel, based on eligibility but limited to 11ed AC by train.
- Academic Institution (Private), Industry (Government) and Industry (Private) Rs: Rs 5,000

Registration Form

Please download registration form from <http://cmsd.uohyd.ernet.in>, or give the following details on plain paper

Kindly fill ALL the requested information.

Name: _____
Designation: _____
Affiliation: _____
Address: _____
Contact Phone(s): _____
E-mail: _____

Applying for Scholarship: YES/NO

(To be filled if not applying for Scholarship)

Payment Details: Amount: _____

DD Number: _____

Date: _____ Bank: _____

Signature: _____

DDs are to be made payable to "Finance Officer, University of Hyderabad" Submit Registration form to Workshop Secretariat (Note: Can also be sent by email)

Address for downloading the application form:
<http://cmsd.uohyd.ernet.in>

All payments to the University are to be made payable to:
The Finance Officer, University of Hyderabad

Submit Registration form to Workshop Secretariat (Note: Can also be sent by email).

Last date for submission of Registration Form by **August 14, 2010**. Selected candidates will be intimated by **August 30, 2010**

The correspondence for the workshop will be handled by **Workshop Secretariat:**

Arun Agarwal, Director

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Patrons

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E. A. Vinod Kumar, CMSD
Arun Agarwal, Director, CMSD

Workshop Faculty

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Dr. K. P. Singh, ADA
Prof. G. Shevare, IIT, Bombay
Prof. N. Balakrishnan, IISc, Bangalore
Prof. S. Sarkar, IIT, Kanpur
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