

# Computational Fluid Dynamics (One Day CPD Workshop)

**CPD Credit Points 1.0**

## PROGRAMME

Thursday, 13<sup>th</sup> April 2017

| Event                 | Time (Hours)  |
|-----------------------|---------------|
| Registration          | 09:00 – 09:30 |
| Opening Remarks       | 09:30 – 09:45 |
| Lecture I             | 09:30 – 09:45 |
| Tea Break             | 10:45 – 11:15 |
| Lecture II            | 11:15 - 12:15 |
| Lecture III           | 12:15 – 01:15 |
| Prayer & Lunch        | 01:15 - 02:15 |
| Lecture IV            | 02:15 – 03:15 |
| Tea Break             | 03:15 – 03:45 |
| Closing Remarks       | 03:45 – 04:00 |
| Award of Certificates | 04:00 – 04:30 |

## Registration Form

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institution: \_\_\_\_\_

PEC Reg. No.: \_\_\_\_\_

Highest Qualification: \_\_\_\_\_

Contact: \_\_\_\_\_

Email: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Amount of Fee paid: \_\_\_\_\_

Payment Mode: Cash

## Registration

**Registration Fee: Rs. 1000**

**(Rs. 500 for students only)**

**Last Date: 9<sup>th</sup> April 2017**

Interested participants are requested to provide the above mentioned particulars via email;

[cfdworkshop2017@uettaxila.edu.pk](mailto:cfdworkshop2017@uettaxila.edu.pk)

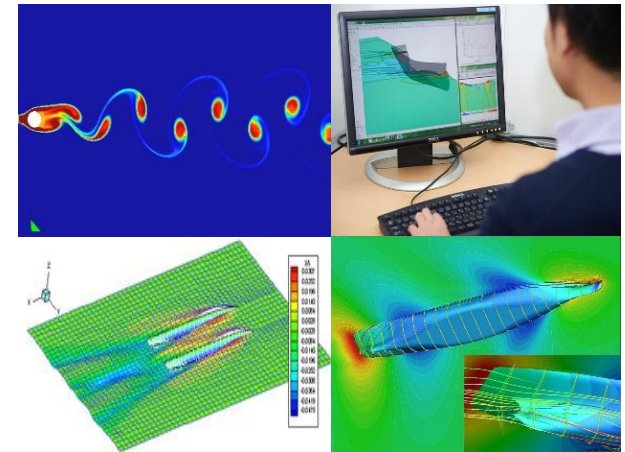
OR

in writing within the prescribed deadline to Focal Person/Coordinator CFD Workshop 2017, Mechanical Engineering Department, UET Taxila.

# Computational Fluid Dynamics (One Day Workshop)



13<sup>th</sup> April, 2017



**Department of Mechanical Engineering  
Faculty of Mechanical & Aeronautical Engineering  
University of Engineering & Technology, Taxila.**



## The Institute

---

University of Engineering and Technology, Taxila was established in 1975. This is a quality conscious institution of international standards imparting knowledge in the field of engineering and emerging technologies in a caring environment for the socioeconomic development of the country. UET Taxila is producing competent graduates equipped with sound knowledge and skills along with highest moral values through conducive learning environment.

## Mechanical Engineering Department

---

Mechanical Engineering is a highly versatile and diversified engineering discipline. The department offers four years undergraduate degree program, two years Master's and three years PhD program. The department has well-equipped laboratories to meet the academic requirements of students and teachers as well as the practical needs of the government and private organizations.

## About the Workshop

---

Computational Fluid Dynamics (CFD) workshop is one of the series of CPD

workshops conducted by the Department by inviting expert faculty from various prestigious institutes of Pakistan.

CFD is a methodology that compliments computer simulation of Fluid Mechanics and Heat Transfer problems. The simulation results are then used to predict the flow fields in the domain of interest, which are very useful in design and optimization of processes and equipment.

The applications of CFD are found in various fields, like aerospace, automotive, mechanical, civil, and chemical engineering. CFD reduces the time and cost for design and analyzing engineering systems & has ability to simulate real conditions.

The main objective of this workshop is to create awareness among young researchers about challenging and growing field of CFD; to introduce CFD fundamental principles and wide range of its industrial applications.

## Invited Speakers & Topics

---

- **Dr. Taqi Ahmad Cheema**  
Multi-physics Simulation: A Step Towards Actual Physics
- **Dr. Shahid Mahmood**  
Ship Hullform Optimization using CFD and Genetic Algorithm
- **Dr. Khurram Shehzad**  
Application of CFD in Marine Technologies
- **Dr. Muhammad Aqeel Rashad**  
CFD Simulation of Jet and Vortex actuator (JaVA) using Fluent

## Expected Audience

---

The Audience of this workshop are professionals working in the field of Thermofluids and CFD as well as postgraduate and doctorate students who want to pursue their career in this field.

## Organizing Committee

---

- Prof. Dr. Shahab Khushnood (Dean)
- Prof. Dr. Riffat Asim Pasha (Chairman)
- Engr. Abdul Mobeen (Focal Person)
- Engr. Zahid Suleman Butt (Coordinator)
- Engr. Najam ul Hassan Shah (Organizer)
- Engr. Ibrahim Khalid (Organizer)
- Engr. M. Habib (Organizer)

## Contacts

---

Mechanical Engineering 051 9047669  
Focal Person CFD Workshop 051 9047695  
Email: [cfdworkshop2017@uettaxila.edu.pk](mailto:cfdworkshop2017@uettaxila.edu.pk)

