

Continuing Engineering  
Education Centre  
UET, Lahore

**PROGRAMME**

21<sup>st</sup> April 2018 (Saturday)

Event	Time (Hours)
Registration	0830 – 0900
Recitation from Holy Quran	0900 – 0905
Opening Remarks	0905– 0915
Introduction to CFD	0915 - 1030
Tea Break	1030 – 1100
Applications of CFD	1100-1130
Theoretical Background	11:30-12:30
Lunch/Prayer Break	1230 – 1330
CFD software and tools	1330 –1430
Methodology and key steps	1430 - 1500
Tutorials	1500 - 1530
Closing/Tea	1530 - 1600



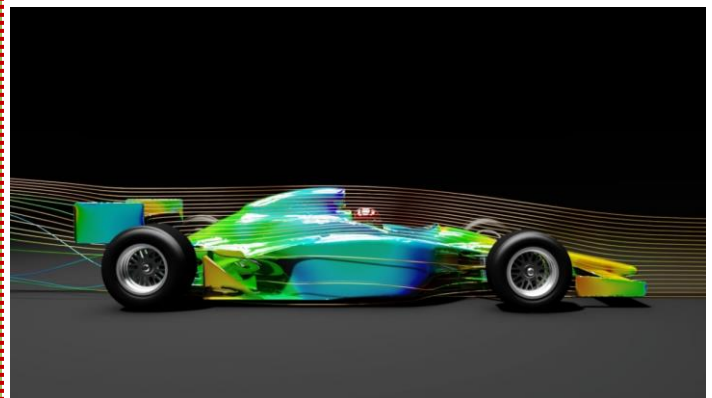
University of Engineering and Technology,  
Lahore, Pakistan.

Continuing Professional Development  
(CPD)

A Seminar on

**Applications of Computational  
Fluid Dynamics (CFD) in  
Industry and Academia**

(One CPD Credit Point)



**Saturday, April 21, 2018**

**At**

**Department of Mechanical  
Engineering, UET Lahore**

**Resource Person**

**Dr. Muhammad Sajid Kamran**

Assistant Professor

Department of Mechanical Engineering,  
UET, Lahore.

## **PURPOSE AND BACKGROUND**

All working professionals including engineers require continuous up-gradation of their knowledge and skills to improve working competency and efficiency. University of Engineering and Technology Lahore has conceived a Continuing Professional Development Program for its growing community of professional engineers. A series of short courses and workshops, in addition to many other academic and professional activities, are now offered by UET on regular basis.

This workshop has been designed to enhance the knowledge of young professional about "Applications of CFD in industry and academia". This course will mainly benefit the early career professional who see their future in automobile design, thermal and chemical processes, fluid flow behavior and convective heat transfer applications. This subject of CFD is not thoroughly covered at the undergraduate level as compared to Finite Element Analysis (FEA) and thus it has become of vital importance to equip young engineers with this very useful analysis tool.

### **CPD Title:**

Applications of Computational Fluid Dynamics in Academia and Industry

### **Objectives:**

Introducing engineers to the significance of Computational Fluid Dynamics (CFD), Discussing basics of CFD, conducting tutorials on different applications.

### **Main Contents**

- 1) A Brief Introduction to CFD
- 2) Basic of CFD
- 3) Key steps involved in CFD analysis
- 4) Tutorials on flow and heat transfer analyses

### **Target Participants**

All graduate, postgraduate students, faculty members and Industrial professionals

## **SPECIAL FEATURE**

- ❖ A certificate of one CPD point will be awarded to the participants.

## **WHO SHOULD ATTEND?**

- Beginners in the Field of Flow and thermal analysis
- Engineers working in the flow and design related industry
- MSc. Students (Limited Seats)

## **COURSE DETAILS**

Course Fee: Rs 3000/- (For Professional Engineers)  
Rs 1500/- for faculty and teachers  
Rs 1000/- (For Full time MSc. Students)

## **REGISTRATION PROCESS**

Application Form dully filled along with required documents and Fee in the form of Pay Order/ Bank Draft in favour of "PEB Coordinator" or online payment to Habib Bank Limited, UET Branch, **A/C No. 01287902267903** should reach on or before **09-04-2018**.

For more information, Contact:

**Dr. Mohammad Ilyas Anjum**

Continuing Engineering Education Center

UET, Lahore.

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**Dr. M. Sajid Kamran**

Cell No. 0331-1492222

The related information can also be found on the website

<http://www.ceec.uet.edu.pk/>

## **PROFILE OF RESOURCE PERSONS**

**Dr. Muhammad Sajid Kamran** is serving as Assistant Professor and the secretary Postgraduate Studies and Research Committee at the Department of Mechanical Engineering, UET Lahore. He completed his PhD in Mechanical Engineering (Computational heat transfer) from Queen Mary University of London, UK. Dr Kamran has a strong background in Magnetic Refrigeration, Thermal Engineering, Computational Fluid Dynamics (CFD) and Renewable Energy systems. Major expertise includes wide experience in CFD simulation of heat transfer and fluid flow processes, research and teaching experience in the UK and Pakistan