

Dr. Abdel-Fattah Mahrous

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Profile

A highly motivated, hard working, Computational Fluid Dynamics (CFD) engineer with excellent analytical and problem solving skills, seeking the opportunity to expand my CFD experience and deliver engineering solutions.

Qualifications

Course/qualification	Dates from and to	Education institution
PhD in Mechanical Engineering	Nov.04-June 08	University of Birmingham, UK
MSc in Mechanical Engineering	Nov.98-Mar. 01	Menoufiya University, Egypt
BSc in Mechanical Engineering	Oct.92-May 97	Menoufiya University, Egypt

Areas of study

Computational Fluid Dynamics (CFD), thermo-fluid-science, automotives, bioengineering

Relevant Skills

- Extensive experience as a CFD developer and user (during PhD and MSc), design and implementation of a CFD software tool, using high level programming languages.
- Competency in LINUX, UNIX & Windows (ECDL), project management skills, critical data analysis, high level programming languages: FORTRAN, MATLAB, and BASIC.
- High level of written and oral communication skills, time management, personal effectiveness, and determination to succeed.

Employment history

Mechanical Power Eng. Dept., Faculty of Engineering, Menoufiya Univ., Egypt 1998--present
Assistant Professor

- Teaching/Demonstrating thermo-fluids science subjects: Fluid Mechanics (I & II), Gas dynamics, Hydraulic Machines, Hydraulic Systems, Mechanical Measurements, Pipe Network Systems, Dimensional Analysis, Non-Conventional Pumping Systems, and Mechtronics.
- Demonstrating Engineering Drawing and Assembling.
- Demonstrating Computer applications and Mechanical Power Engineering Labs.

Awards

Various types of awards have been received. (Latest) was Postdoctoral award from the IDB (Islamic Development Bank), MSP, November 2010.

Languages

English, Arabic, and French