

Dr. HOSAM ELSAYED

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Key Skill

Communication skills, motivated, Teach and Research mechanical courses (Fluid mechanics, Thermodynamics, Desalination, heat transfer, turbo machinery, HVAC, Mechanical Design), Consultant mechanical Engineer, Authorized trainer, and Quality Assurance.

Professional Experience

1- Fahad Bin Sultan University (FBSU) Tabuk, KSA from 2017 - Present

Position: - Assistant Professor
College of Engineering, Mechanical Department.

2- Atomic Energy Authority (AEA), from May 1997 Cairo, Egypt

2.1 Academic Experience: -

- Assistant professor from 2009.
- Assistant Teacher from 2003 - 2009
- Teaching Assistant from 1997-2003
- Supervisor for a M.Sc. student (post graduate) at Atomic Energy Authority.

2.2 Achievements: -

- Publish 5 papers in local magazines inside Egypt (Ain shams, Al-Azher universities and AEA) in heat transfer and fluid mechanics from 2003 till 2009.
- Participant in many conferences (Cairo, Ain shams and Al-Azher universities) about heat transfer, fluid mechanics and desalination.
- Routine work in AEA "Supervisor of mechanical equipment's for cooling loop" (feeding pumps, heater exchangers, and cooling tower) from 1997.

3- Arab Organization for Industrialization (AOI) May 1996 To 1997

Position: - Training Mechanical Engineer at Institute of AOI Cairo, Egypt
Responsibilities: - Teaching for courses of hydraulics systems, pump, fluid mechanics and heat transfer.
Achievements: - Instructor for Engineers at ' Arab institute for advanced technology ' related to Arab Organization for Industrialization for mechanical engineering courses.

Teaching Highlights

- Thermodynamics (Basic and advanced)
- Fluid Mechanics
- Internal Combustion Engines
- Power & Refrigeration Cycles
- Heating, Ventilation and Air Conditioning (HVAC)
- Heat Transfer
- Turbo machinery
- Desalination
- Kinematics of Mechanical systems
- Mechanical Design
- Instrumentation and Measurements
- Thermal fluid lab.
- Material lab.

Education

Ph.D., Mechanical Thermal Engineering, Al - Azher University, 2009, Egypt Mechanical Thermal Department, Faculty of Engineering, Cairo, Egypt
Thesis: - : " Scale Control in Thermal Desalination units"

M.Sc., Mechanical Thermal Engineering, Ain Shams University, 2003, Egypt
Mechanical Thermal Department, Faculty of Engineering, Cairo, Egypt
Thesis: - "Study Performance of Air Ejector"

B.Sc. Mechanical Thermal Engineering, Banha University, 1993, Egypt Mechanical Thermal Department, Faculty of Engineering, Cairo, Egypt, Very Good Grade, HVAC project (Excellent)

Accomplishments

- Participant in NCAAA Workshop at FBSU at Tabuk KSA (23/1/2018)
- Attending a training program (World Quality Day) at Prince Fahd University at Tabuk KSA (2/11/2017)
- Successfully completed training course "pumps and piping system " at RAI, Amsterdam,Nederland 2015
- Authorized Trainer of Trainee (TOT) from Dar Elsalim Administration Center at Jeddah KSA 2012.
- Authorized Internal Quality Audit certificate in the program of "Internal quality Audit ISO, Cairo, Egypt, AOI 1997. (license from TUV).
- Authorized lead Mechanical Engineer (Design, Supervision) in different engineering consulting offices for HVAC, Firefighting, plumbing, water purification, water treatment and desalination works.
- Successfully completed training course on "Pumps, Valves and piping, " under the supervision of Cairo University, Cairo, Egypt, at 2001.
- Successfully completed training course on "Quality Assurance (QA)" in Arab Organization for Industrialization, Cairo, Egypt (AOI) 1997.
- Successfully completed training course on " Automation control in fluids" Mechanical Engineer Society, Cairo, Egypt 2001.
- Successfully completed training course on "Heat treatment equipment" under the supervision of Training center, Atomic Energy Authority, Cairo, Egypt,2004
- Participated in the program of "Qualifying the mechanical engineers" for Egypt's first Research Center, Cairo, Egypt, from 7 Oct.to 30 Nov.2000.
- Computer Training Course for windows (Excel, WinWord, PowerPoint and visual basic), Institute of Information, Military Ministry, Cairo, Egypt 1995.
- English Language courses in british council, Cairo Egypt 2000

Reserch Interests

- Thermal Desalination units
- Thermodynamics
- Heat Transfer
- Fluid mechanics
- HVAC

Computer Skills

- Microsoft Office (Word, Excel, PowerPoint), visual basic, AutoCAD and different Mechanical software applications.

Language Skills

- Arabic (Mother tongue), English (V Good), French (Fair)

Personal Data

Name : Hosam Eldin El-Sayed Mohamed

Date of Birth : 12th, December, 1969.

Place of Birth: Cairo, Egypt.

Marital status: Married. (3 kids)

Religion : Moslem

Address : Cairo, Egypt