Mohamed Eid Saied Abd-El Moula
Teaching Assistant-Mechanical Engineering Department- Assuit University

Mobile: (+2)01098818483
E-mail: mohamedeid_2015@yahoo.com

Teaching Assistant & Design Engineer. They're what I do, and I'm very talented in my profession. With over 3 years of cumulative experience in both the Teaching & Design field, I have worked in various levels of responsibility, steadily progressing through the ranks of Teaching in University, Design Engineer, Design Consulting, Production Engineering. I have a robust level of combined experiences that provide me with skills to effectively provide and manage operations, training, projects, and emergency responses.

Education

Master of Engineering Science, Assuit university (June 2016)

BSc. Of Mechanical Design and production Engineering With Excellent grade August 2011 Assuit university
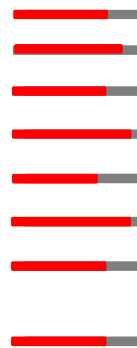
Skills

- MS Office
- ANSYS Workbench
- Mathcad
- FAST LEARNER
- ADAPTABLE
- ORGANIZED/RELIABLE
- TEAM WORK/SOCIAL
- PC/MAC Systems

EXPERTIS

- Machine Element Designer
- welding joints Designer
- Code Writing
- Numerical Analysis
- Training and Teaching
- Drawing Reader
- Machine Assembly
- Failure Analysis

Work Experience

Teaching Assistant | Assuit University, Egypt

From January 2012 Till NOW

Beside the research in the University, I'm teaching the following courses:

- Mechanical Design.
- Design of Industrial Furnaces.
- Strength of Materials.
- Failure Analysis.
- Metal Cutting.
- Production Engineering.
- Mechanical Vibrations.
- Laboratories.

Part time Engineer

From January 2014 Till 2016

- I'm working with a well-known oil & gas company as a part time Engineer (online) in the analysis of portable offshore units used in petroleum industry according to the DNV'S Rules (such as DNV 2.7-3, DNV 2.22), NORSOK, EN and iso standards.
- Working with more than 40 projects
- Lifting analysis of portable offshore units according to various standards.
- Drop test analysis using Ansys Ls-Dyna.
- Hand calculations of critical parts in the models such as padeye, shackles and welding joints using Mathcad 15 program.

- Gap analysis between different standards.
- Verifications of models design according to different standards.

From September 2015 Till November 2015

Part time Engineer | perlli Tires, Egypt

- Worked with Pirelli Company for Tires in the simulation of tire explosion as a part time engineer using ANSYS fluent.
- Due to the high cost of performing the tire explosion test, PERELLI decide to simulate the explosion using the ANSYS FLUENT.
- Both the tire and the test room is modeled using ANSYS FLUENT.
- The simulation was performed at different Tire pressure.
- The simulation was able to give the pressure, temperature and velocity distributions in the room of the test.
- The results indicated that a force of about 50 KN is generated from the explosion.

From February 2016 Till June 2016

Consultant Engineer | ITTU, ASSUIT UNIVERSITY, Egypt

- I'm working with Assuit University Information and technology transfer unit (ITTU) as a consultant Engineer in the design and weld joints calculations for the Two-level train car.

From June 2016 Till NOW

Research and Development Unit Manger | ITTU, ASSUIT UNIVERSITY, Egypt

- I'm working with Assuit University Information and technology transfer unit (ITTU) as a R&D unit Manger.

LANGUAGE SKILLLS

Arabic "Native"

English "Fluent"

FRENSH "Basics"

INTERSTS & HOPPIES

Reading

Travelling

PHOTOGRAPHY

Connections

in Eng / Mohamed Eid

f Eng Mohamed Eid

Master in brief

I'm working with the simulation and modeling of the solid oxide fuel cell to investigate the performance and thermal stress distributions of planar anode-supported solid oxide fuel cells with functionally graded electrodes, at intermediate temperature. The model includes charge transport, conservation of mass, momentum, and energy along with thermal stress model. The model is simulated using ANSAYS FLUENT 14.0 with a user defined function written in c code for density, thermal conductivity and porosity of functionally graded electrodes.

publications

1- Numerical Study of Solid Oxide Fuel Cell Performance with Helical and Serpentine Flow Field Designs.

In the INTERNATIONAL JOURNAL OF CONTROL, AUTOMATION AND SYSTEMS, VOL.4 NO.3, August 2015.

2- Performance study of solid oxide fuel cell with functionally graded electrodes (on going).