

## **Eng. Mahmoud Mokhtar Mohamed Alsafy**

Lecturer-Assistant in Mechanical Engineering Department  
Mechatronics Division, Higher Technological Institute 10<sup>th</sup> Ramadan City

**Education**      **Master of Science in Mechanical Engineering**  
Arab Academy for Science, Technology, and Maritime Transport  
Cairo, Egypt  
2012-2017

**Bachelor of Mechanical Engineering**  
Higher Technological Institute  
10<sup>th</sup> Ramadan City, Egypt  
2006-2011

**Experience and Field of Work**

Entrepreneure in Direct Selling Association, Sept 2010  
Production Engineer Manager at Mokhtar Turning, May 2011  
Overhaul of Cylinder Head, Mokhtar Turning Company, 2006  
Research Assistant at HTI, Sept 2011  
Lecturer Assistant at HTI, Sept 2017  
Teacher Assistant at AASTMT , Sept 2014  
Project and Quality Management, AUC 2019  
Supply Chain Management and Logistics Management, AUC 2019

**Published Papers**

- A Cost Estimation Model for Machining Operation; AN ANN Parametric Approach, Journal of Al Azhar University Engineering Sector, Cairo, Egypt. (29<sup>th</sup> April 2017)
- An ANN Parametric Approach for the Estimation of Total Production Operation Time, Journal of Computers and Industrial Engineering (CAIE, 2019)
- Studying the Machinability of Aluminum Silicon Metal Matrix Nano Composites by using the RSM, ANOVA and ANN Techniques, Journal of Ain-Shams University, Cairo, Egypt 2020

**Attended Training Courses**

- 8 weeks Internship in Applied Science University, Saarbrucken, Germany (2010)
- Advanced Entrepreneurs Conference at Qi Company. (Jakarta, 2012)
- In-Service Leadership Boot Camp, Oikaa Company. (India, 2015)
- Advanced Leadership Camp at OIKAA Company. (Egypt, 2016)
- ISB Camp at KINGDOM Organization. (Egypt, 2017)
- 4 weeks Training in Cairo Auto Abu Ghaly motors, 2007

- 4 weeks Training in Mansour Chevrolet, 2007
- 4 weeks Training in Suez Oil Refining Company, 2008
- 4 weeks Cairo Oil Refining Company, 2008
- 8 weeks Coca Cola Company, Nasr City 2011

**Academic Activity**

In addition, I'm involved in several administrative, academic, and cultural activities in the University, include:

- Student Union of Mizan Club
- Robocon 2013
- Cairo Innovation Conference (Nov,2018)
- Remote Sensing and Aero Space Event (Nov,2018)
- Metal Monster for Fighting Robots, Egypt (March, 2019)
- Bachelor Project in Ministry of Higher Education, Egypt (Aug, 2019)
- 2<sup>nd</sup> Position in Robocon with HRD Team, Egypt 2009
- Best Graduation Project in the Middle East (Solar Boat) as Instructor (2018)
- 1st Class in Metal Monster for Robotics as Supervisor of HTI (March, 2019)
- Bachelor Project of Modeling and simulation of Active Suspension System, 2020

**Ms.c Study**

• Simulation & Modeling of Mech. Systems	• Advanced Fluid Mechanics
• Advanced Computational Methods	• Advanced Dynamics
• Advanced Heat Transfer & Thermodynamics	• Research Methods in Mechanical Engineer
• Advanced Automotive Technology	• Mechatronics Systems

**Teaching Courses**

• Simulation & Modeling of Mech. Systems	• Digital Circuits
• Assembly Engineering Drawing (Solid works)	• Digital Electronics Lab
• Fundamental of Electronic Circuits	• Transducer Lab
• Signal Conditioning of Mechatronics Systems	• Maintenance and Repairing