

University of Tripoli
Faculty of Engineering
Mechanical and Industrial Department

Name: Tarek Kh. S. Aburuga
Sir Name: Aburuga
Nationality: Libyan
Date of Birth: November 28/1972
Place of Birth: Tripoli
Marital Status: Married
E-mail: Tareq306@yahoo.com
Tel. 00381-61-249-7611



Education

PhD in Mechanical Engineering Faculty. University of Belgrade Serbia 2013
MSc in Mechanical and Industrial Department University of Tripoli 2005
BSc in Mechanical and Industrial Department university of Tripoli 1995

Teaching & Research interests

Undergraduate Level

- Mathematics.
- Mechanics (Statics).
- Mechanics (Dynamics).
- Introduction to Properties of Materials.
- Programming.
- Introduction Numerical Methods.
- Introduction Finite Element Methods.
- Strength of Materials.
- Solid Mechanics.
- Mechanics of machines.
- Machine Design.
- Mechanical Vibrations.

- Fracture Mechanics.
- Mechanics of Composite Materials.
- Automatic Control.

Postgraduate Level

- Advanced Mathematics.
- Advanced Numerical Methods.
- Advanced Finite Element Methods
- Simulations of manufacturing Process.
- Model Analysis.
- Theory of Elasticity.

Experience

- Researcher assistant in Electronic research Center, Tripoli-Libya (1996-2000)
- Researcher assistant in Electronic research Center, Tripoli-Libya (2000-2003)
- Head of Composite Material Department in Electronic research Center (2003-2005)
- Lecturer Assistant in Mechanical and Industrial Department university of Tripoli (2005-to 2013).
- Lecturer in Mechanical and Industrial Department university of Tripoli (20013 up to present).
-
- Part time teaching in Mechanical Engineering Department in Jafara University (2005-2008).
- Part time teaching in Mechanical Engineering Department in Jafara University (2014-2015).
- Project Management (with Microsoft Project) . International Energy Center Tripoli-Libya (2010).

Training Courses

AUTOCAD Two and Three Dimensions (1996).

PROENGINEER (1997).

Finite Element Analysis (Nastran), Belgrade-Serbia (2001).

Composite Materials Course, Tehran-Iran (2004).

Skills

- Good in English Language.
- Microsoft Word.
- Microsoft Excel.
- Microsoft PowerPoint
- Microsoft Project.
- FORTRAN.
- MATLAB.
- AUTOCAD.
- ABAQUS.
- NASTRAN.
- ANSYS.

Conferences and Seminars:

- Galarkin Finite Element Analysis for Anisotropic Plate (2004).
- The Effect of H-Convergence and P-Convergence on The Accuracy Solutions For Different Types Of Rectangular Elements For Plate Bending Problems (2005).
- Stress Concentration Factors for Simply Supported Rectangular Orthotropic Plate (2006).
- Measurement of Local Tensile Properties of Welded Joint Using Digital Image Correlation Method (2011).