
CURRICULUM VITAE

EZEDINE GIUMA OMAR ALLABOUDI

Associate Professor, Mechanical and Industrial Engineering Department,
Faculty of Engineering

DATE AND PLACE OF BIRTH: October 16 /1971 - ROJBAN- LIBYA

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EDUCATION:

- 2009 -2013: Ph.D., Mechanical Engineering,
University of Belgrade
*Thesis: Diagnosis of dynamic behavior of
structures using the distribution of kinetic and
potential energy*
- 2000 - 2005: M.Sc., Mechanical and Industrial Engineering,
University of Tripoli
Thesis: Study of Car Lateral Motion Dynamics
- 1990 - 1995: B.Sc., Mechanical and Industrial Engineering,
University of Tripoli

EXPERIENCE & CAREER:

- **2021– UP TO NOW**
UNIVERSITY OF TRIPOLI.
AS AN ASSOCIATE PROFESSOR IN MECHANICAL & INDUSTRIAL
ENGINEERING DEPARTMENT
- **2017– UP TO NOW**
UNIVERSITY OF TRIPOLI.
AS AN ASSISTANT PROFESSOR IN MECHANICAL & INDUSTRIAL
ENGINEERING DEPARTMENT
- **2006– UP TO 2017**
UNIVERSITY OF TRIPOLI.
AS A LECTURER IN MECHANICAL & INDUSTRIAL ENGINEERING
DEPARTMENT.
- **1997 – UP TO 2006 **
TECHNICAL RESEARCH CENTER- TRIPOLI-LIBYA.
AS A PROGRAMMER AND OPERATOR **CNC** MILLING MACHINES.

Experience in Teaching Courses:

Mechanical vibrations, Stress Analysis, Strength of material, Solid Machines, Mechanics of Machines, engineering drawing.

COURSES:

- **24th JANUARY 2004- 4th AUGUST 2004** “MACHINE & MACHINE PROGRAMMING (480 HOURS) " IN TEHRAN, IRAN.
 - **AUTOCAD 2D& 3D- SOLID WORKS – NASTRAN - FORTRAN** SOFTWARES PROGRAMMING, TEHRAN, IRAN.
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PUBLICATIONS:

- Structural analysis of supporting welded steel structure (GAZELA bridge) Timisoara, Romania, 2011. 238.
- Improving Dynamic Structure Behavior Using a Reanalysis Procedures Technique. Technical Gazette 20, 2(2013), 297-304
- “Exact Finite Element for Torsional Vibration of Shafts under Harmonic Torsion”, International Journal of Engineering Research & Technology (IJERT), Vol. 5 Issue 09, September-2016
- “Super-Convergent Finite Element for Dynamic Analysis of Symmetric Composite Shear-deformable Beams under Harmonic Forces”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 5 Ver. II (Sep. - Oct. 2016), PP 06-17
- Analytical Solution of Dynamic Flexural Response of Symmetric Composite Timoshenko Beams Under Harmonic Forces, Journal of Engineering Research, University of Tripoli, Libya, Issue (23) March 2017, p17-34.
- “Face Wrinkling Instability in Circular Sandwich Frames with Composite Laminated Faces and Isotropic Foam Cores “ , International Journal of Engineering papers, , Jan 2017; 2 (1): 14–25
- “The Effect of Humidity Absorbed by Electrode Rods on Quality, Strength and Stiffness of the Weld”, Libyan bulletin for studies ,14 issue, June 2018.
- “Investigating Rotational vibration characteristics of A centrifugal casting machine”, International Science and Technology Journal, Vol. 20, December 2019.
- “Exact Finite Element Formulation for Flexural Vibration of Axially Pre-Loaded Euler-Bernoulli Beams”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 17, Issue 1, Ser. IV (Jan - Feb 2020), PP 52-64.

- “Improving dynamic characteristic of a truss structure using Structure Dynamic Modification Technique”, International Science and Technology Journal, Volume 24, January 2021, PP 342-354.
- “Coupled Axial- Transverse Dynamic Analysis of Three-Layered Symmetric”, Journal of Multidisciplinary Science and Technology (JMEST), ISSN: 2458-9403, Vol. 8 Issue 2, February – 2021.
- “Torsional Analysis of Open Thin-Walled Doubly Symmetric Beam Under Torsion and Bimoment”, i-manager’s Journal on Mechanical Engineering, Vol. 12 * No. 1 * November 2021 - January 2022, PP 26-38.
- “An Efficient Finite Element of Torsional Dynamic Analysis for Open Thin-Walled Beams Under Torsional Excitations”, Journal of Engineering Research, University of Tripoli, Issue (34), September 2022, PP 17-44.
- “Damage Evaluation in Beam Structures Using Vibration Data”, Journal of Engineering Research, University of Tripoli, Issue (34), September 2022, PP 45-58.

Technical Skills:

Microsoft	World, Excel, Power Point
Programming	Matlab, FORTRAN
Drawing Software	AutoCAD, Solid works
Finite Element Packages	ABAQUS
Good in programming and operating CNC Milling Machines.	
