

# GERGES EDWAR MEHANNY BESHAY

## LECTURER

Mechanical Engineering Dept. – Shoubra Faculty of Engineering – Benha University – Egypt

### PERSONAL DATA

Birth	4 <sup>th</sup> December 1981
Nationality	Egyptian
Marital Status	Married
Military Status	Exempted
Residence	Degla Palms Compound – 6 <sup>th</sup> October City – Giza – Egypt.
Work	Shoubra Faculty of Engineering. 108 Shoubra St. – Cairo – Egypt
Contacts	+201221886474 +201220603430 gerges.beshay@feng.bu.edu.eg gergis.edwar@gmail.com gergis_edwar@yahoo.com
Websites	<a href="http://www.bu.edu.eg/staff/gergesbeshay3">http://www.bu.edu.eg/staff/gergesbeshay3</a> <a href="https://scholar.google.com.eg/citations?user=DZImJW0AAAAJ&amp;hl=en">https://scholar.google.com.eg/citations?user=DZImJW0AAAAJ&amp;hl=en</a> <a href="https://www.researchgate.net/profile/Gerges_Beshay">https://www.researchgate.net/profile/Gerges_Beshay</a> <a href="https://benha.academia.edu/GergesBeshay">https://benha.academia.edu/GergesBeshay</a> <a href="https://www.facebook.com/gergis.edwar">https://www.facebook.com/gergis.edwar</a>
Language Skills	English: 533 paper based TOEFL score
Computer Skills	OS: Microsoft Windows Office: (Word / Excel / Power Point / Access) CAD: (AutoCAD / Inventor / SolidWorks) Numerical: (MATLAB / ANSYS / Femap / Abaqus) Programing: Visual Basic Control: CNC

### EDUCATION

	Degree	Institution	Year
B.Sc.	Mechanical Eng.	Shoubra Faculty of Engineering – Benha University	2004
M.Sc.	Mechanical Eng.	Shoubra Faculty of Engineering – Benha University	2010
Ph.D.	Mechanical Eng.	Shoubra Faculty of Engineering – Benha University	2016

### DISSERTATIONS

Degree	Title
B.Sc.	Study of various parameters affecting LASER cutting of steel sheet metal
M.Sc.	Mechanical and Tribological Characteristics of Epoxy-Based Polymeric Matrix Composites Reinforced with Various Ceramic Particulates
Ph.D.	Structural Dynamic Optimization of Wind Turbine Blades Using Material Grading Concept

### AREAS OF INTEREST

System Dynamics and Vibration Analysis	Design Optimization of Mechanical Systems
Automatic Control Systems	Production Engineering and Manufacturing
Solid Modeling and Rapid Prototyping	Programing and Computer Systems
Computer Aided Design and Manufacturing	Material Science and Engineering
Robotics and Flexible Manufacturing Systems	Wind Turbine Systems

### PUBLICATIONS

Title	Publisher	Year
Dynamic Optimization of Thin-walled Composite Blades of Wind Turbines	World Applied Sciences Journal	2015
Coupled Vibration Analysis of Composite Wind Turbine Blades	4th International Conference of Engineering Division, National Research Center, Cairo, Egypt	2018
Structural Optimization of Wind Turbine Blades for Improved Dynamic Performance	Intech Open	2020

**TRAINING**

<b>Course</b>	<b>Institution</b>	<b>Year</b>
Using Computers and Files Management	Benha University	2008
Web Publishing Using Front Page	Benha University	2008
Microsoft Word Processing	Benha University	2008
Concepts of IT	Benha University	2008
Effective Presentation	Benha University	2009
Time Management and Meetings	Benha University	2010
Using Technology in Teaching	Benha University	2011
Preparation of Academic Teacher	Benha University	2014
University Management	Benha University	2014
Self-Evaluation and External Reviewing	Benha University	2014
International Publishing of Scientific Research	Benha University	2014
University Code of Ethics	Benha University	2014
Advanced Microsoft Word Processing	Benha University	2014
Advanced Microsoft Power-Point Processing	Benha University	2014
Management of Websites	Benha University	2015

**TEACHING**

<b>Course</b>	<b>Institution</b>
Engineering Drawing	Shoubra Faculty of Engineering
Production Technology and Workshops	Shoubra Faculty of Engineering
Engineering Mechanics and Theory of Machines	Shoubra Faculty of Engineering
Stress Analysis	Shoubra Faculty of Engineering
Strength of Materials and Testing	Shoubra Faculty of Engineering
Mechanics of Fracture and Fatigue	Shoubra Faculty of Engineering
Material Design	Shoubra Faculty of Engineering
Design of Machining and Forming Machine Tools	Shoubra Faculty of Engineering
Computer Aided Mechanical Drawing	Shoubra Faculty of Engineering
Industrial Materials	Shoubra Faculty of Engineering
Material Science and Metallurgy	Shoubra Faculty of Engineering
Manufacturing Engineering	Shoubra Faculty of Engineering
Mechanical Vibrations	Shoubra Faculty of Engineering
Faults Diagnostics Using Vibrations	Shoubra Faculty of Engineering
Automatic Control and System Dynamics	Shoubra Faculty of Engineering
Computer Aided Design and Manufacturing CAD/CAM	Shoubra Faculty of Engineering
Solid Modeling and Rapid Prototyping	Shoubra Faculty of Engineering
Robotics and Flexible Manufacturing Systems	Shoubra Faculty of Engineering
Material Handling Systems	Shoubra Faculty of Engineering

**EMPLOYMENT**

<b>Job</b>	<b>Organization</b>	<b>Year</b>
Production Engineer	Egyptian Solar Energy Systems Company	2004-2005
Design Engineer	Al-Farid Pumps Company	Part-Time
Design Engineer	Lenza Egypt and HEIC (99 Factory)	Part-Time
Demonstrator	Shoubra Faculty of Engineering – Benha University	2005-2011
Assistant Lecturer	Shoubra Faculty of Engineering – Benha University	2011-2016
Lecturer	Shoubra Faculty of Engineering – Benha University	2016 till now
Lecturer	Egyptian Academy for Engineering and Advanced Technology Affiliated to the Ministry of Military Production	2019
Trainer	Science and Technology Center of Excellence Affiliated to the Ministry of Military Production	2019
Lecturer	Higher Technological Institute – 10 <sup>th</sup> of Ramadan City	2020 - 2022
Lecturer	High Institute of Engineering - 6 <sup>th</sup> October City	2023