

# MOHAMED ELKHESHEN

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## TEACHING ASSISTANT

<b>BACKGROUND</b>	<ul style="list-style-type: none"><li>Over 10 years of experience of academic and practical experience in the fields of structural analysis engineering.</li><li>As academic: working as Teaching assistant for various courses such as design of reinforced concrete and structure analysis and mechanics.</li><li>In practical field: Working in modeling, analysis, design and construction documents using international codes of reinforced concrete (BS, ACI, IBC, UBC, PCI, ..... etc) beside local codes (ECCS, ECP) for different types of structures.</li><li>Worked on most type of projects: Residential, office buildings\ complexes, and malls.</li></ul>
<b>EDUCATION and PROFESSIONAL QUALIFICATIONS (AFFILIATIONS)</b>	<b>M.Sc. in Civil Engineering, (Structural Engineering)</b> MAY. 2015 Ain Shams University "ASU", Cairo, Egypt. Thesis on: "Performance-Based Damage Assessment of Structural Walls".
	<b>B.Sc. Civil Engineering, Higher Technological Institute, 10<sup>th</sup> of Ramadan City, Egypt.</b> AUG. 2010 [GPA equiv:3.89. grade: 96.70 %, Excellent with Honor, Grades of all years: Excellent, Grade of project: Excellent].
	<b>Egyptian Syndicate of Engineers, Member, Egypt.</b> <b>Egyptian Society of Civil Engineers, Member, Egypt.</b>
<b>ACADEMIC WORK EXPERIENCE</b>	<b>Lecturer</b> 2015 - till now Higher Technological Institute 10 <sup>th</sup> of Ramadan City, Egypt.
	<b>Assistant Lecturer</b> 2015 - till now Higher Technological Institute 10 <sup>th</sup> of Ramadan City, Egypt.
	<b>Tutor</b> 2010 - 2015 Higher Technological Institute 10 <sup>th</sup> of Ramadan City, Egypt.
<b>SKILLS</b>	Languages: <ul style="list-style-type: none"><li>Native Language: Arabic.</li><li>Second Language: English.</li></ul>

<b>SOFTWARE</b>	<p><b>Proficiency in following software:</b></p> <ul style="list-style-type: none"> <li>• Auto CAD.</li> <li>• Etabs.</li> <li>• Safe.</li> <li>• Sap2000.</li> <li>• CSI Column.</li> <li>• Office.</li> </ul> <hr/> <p><b>Proficiency in using Non-linear Finite Element Programs:</b></p> <ul style="list-style-type: none"> <li>• ATENA.</li> <li>• CANNY.</li> <li>• Abaqus.</li> </ul>
<b>MAJOR TEACHING COURSES</b>	<ul style="list-style-type: none"> <li>• Reinforced Concrete I.</li> <li>• Reinforced Concrete II.</li> <li>• Reinforced concrete III.</li> <li>• Reinforced Concrete IV.</li> <li>• Structural Analysis and Mechanics I.</li> <li>• Structural Analysis and Mechanics II.</li> <li>• Structural Analysis and Mechanics III.</li> <li>• Structural Analysis and Mechanics IV.</li> <li>• Structural Engineering Software Application with SAP, Etabs.</li> </ul>
<b>GENERAL TEACHING COURSES</b>	<ul style="list-style-type: none"> <li>• Properties and Testing Materials.</li> <li>• Engineering Drawing.</li> </ul>
<b>LIST OF PUBLICATIONS</b>	<ul style="list-style-type: none"> <li>• <b>Mohamed Elkheshen</b>, Marwan Shedid, Hussein Okail and Osama Hamdy. “NON-LINEAR BEHAVIOR OF REINFORCED MASONRY STRUCTURAL WALLS: CANNY MODELLING AND VERIFICATION” Civil Engineering Research Magazine, Al-Azhar University, Vol. 37, No.1, Page 166-178, January,2015.</li> <li>• <b>Mohamed Elkheshen</b>, Reham Eltahawy, Marwan Shedid, and Amr Abdelrahman. “NUMERICAL INVESTIGATION OF RC BEAM WITH FRP BARS SUBJECTED TO PURE TORSION” 10<sup>th</sup> Alexandria International Conference on Structural, Geotechnical Engineering and Management (AICSGE-10), RC-03- 721-735, December, 2019.</li> </ul>
<b>CONFERENCES ATTENDED</b>	<ul style="list-style-type: none"> <li>• Participated at the 15<sup>th</sup> International Conference on Structural and Geotechnical Engineering, Ain shams University, held on 18-20 December 2018, Cairo, Egypt).</li> <li>• Participated and presented a paper at the 10<sup>th</sup> Alexandria International Conference on Structural, Geotechnical Engineering and Management (AICSGE-10) held on 17-19 December 2019, Alexandria, Egypt.</li> </ul>

## RESEARCH FIELDS

### **Dynamic Analysis for Masonry walls**

- Pushover Analysis Under Lateral Loads.

### **RC Beams reinforced with FRP and subjected to pure TORSION**

- GFRP and CFRP.

### **Strengthening RC beams using FRP wraps**

- GFRP and CFRP.