Assist. Prof. Dr. MOHELDEEN HEJAZI

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Istanbul Technical University	Civil enginneering	2018 - 2024
Master's Degree	Jordan University of Science and Technology	Civil enginneering	2016 - 2018
Bachelor's Degree	Jordan University of Science and Technology	Civil enginneering	2012 - 2016

RESEARCH AREAS

civil engineering, structural materials, risk analysis, numerical methods and modelling, artificial intellegence , finite elements modelling, blast engineering, fire engineering, ballestics modelling and engineering, design and modelling optimization

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Assistant professor	Altinbas University	Civil enginneering	2024 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Syrian Engineers Association	Member- Professional Engineer	2024 -
Chamber of Civil Engineers	Member- Professional Engineer	2022 -
Scientific Institutions and Societies- Mendeley	Advisor	2020 -
The Institute of Structural Engineers	Member	2018 -
American Society of Testing and Materials-ASTM	Member	2017 -
American Concrete Institute-ACI	Member	2017 -
American Society of Civil Engineers-ASCE	Member	2017 -

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
Turkey	HGCO Engıneerıng Consultancy	Project Manager, Co-founder	2023 -
Turkey	HARDSHIELD Engıneerıng Consultancy	Civil Engineer	2021 - 2023

BOOKS

ARTICLES

Novel Nonlinear Model for Analysis of RC Slabs with Various Boundary Conditions Under Monotonic Loading
Alhassan Mohammad,Al Rousan Rajai,HEJAZI MOHELDEEN
International Review of Civil Engineering (IRECE), 2018
International

ARTICLES

Novel nonlinear stiffness parameters and constitutive curves for concrete
Al Rousan Rajai,Alhassan Mohammad,HEJAZI MOHELDEEN
Computers and Concrete , 2018
International

Concerning the tensor-based flexural formulation: Theory
Al Rousan Rajai,Alhassan Mohammad,HEJAZI MOHELDEEN
Structural Engineering and Mechanics , 2019
International

Impact Resistance of Steel Fiber-Reinforced Concrete Panels Using Genetic Algorithm Optimization
Al Rjoub Yousef,HEJAZI MOHELDEEN
Advances in Civil Engineering Materials , 2019
International

Concerning the tensor-based flexural formulation: Applications
Alhassan Mohammad,Al Rousan Rajai,HEJAZI MOHELDEEN
Structural Engineering and Mechanics , 2021
International

The extrema point deviatoric moment component
Al Rousan Rajai,Alhassan Mohammad,HEJAZI MOHELDEEN
Ain Shams Engineering Journal , 2021
International

Approximate analysis of quadrilateral slabs having various cases of boundary conditions and aspect ratios
Alhassan Mohammad,Al Rousan Rajai,HEJAZI MOHELDEEN,Amaireh Layla
Advances in Structural Engineering , 2021
International

A Comparative Study on the Optimal Modeling of Laminated Glass
HEJAZI MOHELDEEN,SARI ALİ
Civil Engineering Journal , 2023
International

A Novel Spring-Actuated Low-Velocity Impact Testing Setup
KÜÇÜK MESUT,HEJAZI MOHELDEEN,SARI ALİ
Applied System Innovation , 2024
International

PROCEEDINGS

A MACHINE LEARNING FRAMEWORK FOR AUTOMATED GROUND MOTION PREDICTION
HEJAZI MOHELDEEN, Tinbir Serra, Khalifani Pooya , SARI ALİ
1st Croatian Conference on Earthquake Engineering,
International

Analysis of Impact-Induced Fracture of Laminated Glass Using Multi-Objective Genetic Algorithm
HEJAZI MOHELDEEN, SARI ALİ
Structures Congress 2022,
International

Analysis of Rectangular Plates Based on the Hydrostatic Point Phenomenon
Alhassan Mohammad,Al Rousan Rajai,HEJAZI MOHELDEEN
The 4th World Congress on Civil, Structural, and Environmental Engineering,
International

PROJECTS

PROJECTS

A MachineLearning driven modeling framework for laminated glazing under blast ballistics and fire and development of technical background for a new Blast Fire and Safety Laboratory in ITU (Researcher)
BAP, 14.06.2023 -
National Continues

Performance Of the Laminated Glass Subjected To Blast Load And İmpact (Researcher)
BAP, 14.12.2021 - 15.05.2024
National Completed

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	CVE207	CIVIL ENGINEERING MATERIALS
Bachelor's Degree	CVE221	CIVIL ENGINEERING MATERIALS
Bachelor's Degree	CVE333	STRENGTH OF MATERIALS II
Bachelor's Degree	CVE439	DESIGN OF REINFORCEDN CONCRETE II
Bachelor's Degree	CVE211	EARTH SCIENCES FOR CIVIL ENGINEERING
Bachelor's Degree	CVE203	EARTH SCIENCES FOR CIVIL ENGINEERING
Bachelor's Degree	CVE339	DESIGN OF REINFORCED CONCRETE I
Bachelor's Degree	CVE236	STRENGTH OF MATERIALS FOR ARCHITECTURE
Bachelor's Degree	CVE205	STRENGTH OF MATERIALS I
Bachelor's Degree	CVE232	STRENGTH OF MATERIALS I

PERSONAL INFORMATION

CONTACT INFORMATION

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