



# Wael M. ElDessouki

Assistant Professor

## Personal Data

Nationality | Egyptian

Date of Birth | 1965

Department | Transportation and Traffic Engineering

Official UoD Email | wmeldessouki@iau.edu.sa

Office Phone No. | +966542328296

## Language Proficiency

Language	Read	Write	Speak
Arabic	fluent	fluent	fluent
English	fluent	fluent	fluent
Others (French)	Basic	---	Basic

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
1998	Doctor of Philosophy (Ph.D.) NCSU	North Carolina	Raleigh, NC, USA
1993	Master of Science American University in Cairo	Cairo	Cairo, Egypt
1988	B.Sc. – Civil Engineering Cairo University	Cairo	Cairo, Egypt

## Ph.D., Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Some Advances in Transportation Modeling with Applications on Emergency Management Problems
Master	Analysis of Reinforced Concrete Deep Beams Using Non-Linear Finite Elements Model
Fellowship	----



### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor	Imam Abdulrahman bin Faisal University, Dammam, KSA		2017
Assistant Professor	Jazan University, Jazan, KSA	2009	2016
Assistant Research Professor	University of Connecticut, Storrs, CT, USA	2000	2003
Transportation Systems Analyst	Innovative Emergency Management, IEM, Baton Rouge, LA, USA	1998	2000

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Construction Manager	Personal Realstate Development and Construction Company	2004-2009

### Scientific Achievements

#### Published Refereed Scientific Researches (Selected list)

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Muhammad Mubarak, Wael ElDessouki	Conceptual Design for Mechanistic Rule-Based System for Highway Pavement Integrity Assessment	Emirates Journal for Engineering Research, 21 (1), 1-12 (2016)
2	Seli J Agbolosu-Amison, Adel W Sadek, Wael ElDessouki	Inclement weather and traffic flow at signalized intersections: A case study from northern New England	Transportation Research Board of the National Academies, 1867 (1), 163-171 (2004)
3	Adel Sadek, Spencer Morse, John Ivan, Wael El-Dessouki	Case-Based Reasoning for Assessing Intelligent Transportation Systems Benefits	Computer-Aided Civil and Infrastructure Engineering, 18 (3), 173-183 (2003)
4	Wael M ElDessouki, Yahya Fathi, Nagui Roupail	Meta-Optimization Using Cellular Automata with Application to the Combined Trip Distribution and Assignment System Optimal Problem	Computer-Aided Civil and Infrastructure Engineering, 16 (6), 384-398 (2001)
5	Wael Eldessouki, Nagui Roupail, Madalena Beja, S Ranji Ranjithan	Multiperiod highway improvement and construction scheduling: Model development and application	Transportation Research Board of the National Academies, 1617 (1), 96-104 (1998)



### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Wael ElDessouki, John N Ivan, Emmanouil N Anagnostou, Adel W Sadek, Chen Zhang	Using Relative Risk Analysis to Improve Connecticut Freeway Traffic Safety Under Adverse Weather Conditions	2004
2	Sadek, Adel W, ElDessouki,Wael M., Ivan, John N.	Incorporating Intelligent Transportation Systems Deployment In Strategic Planning	2002
3	John Ivan Adel Sadek, Wael ElDessouki	Deriving Land-use Limits as a Function of Infrastructure Capacity	2002

### Current Researches

#	Research Title	Name of Investigator(s)

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution



### Membership of Scientific and Professional Societies and Organizations

- ESE- Egyptian Syndicate for Engineers
- ASEE-American Society for Engineering Education (former member)
- ASCE – American Society for Civil Engineers (former member)

### Teaching Activities (Only at IAU)

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Traffic Engineering	TTEng 441	Lectures & Labs
2	Traffic Management and Operations	TTEng 422	Lectures
3	Operations Research for Transportation Engineers	TTEng 451	Lectures
4	Mass Transit	TTEng 511	Lectures
5	Engineering Drawing	Eng 222	Lectures & Labs
6	Transportation Engineering	ConEn 442	Lectures
7	Transportation Engineering II	TTEng 332	Lectures
8	Recent Advances in Traffic Engineering	TTEng 564	Lectures
9	Project Management	TTEng 543	Lectures

#### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)


#### Postgraduate (Non at IAU)

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

#### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	



### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date



## Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

### Administrative Responsibilities

#	From	To	Position	Organization
1	2017	Current	SDP - Coordinator	Transportation and Traffic Engineering Department

### Committee Membership

#	From	To	Position	Organization
1	2017	Current	Member	Quality and Accreditation Committee Quality and Curriculum Committee
2	2017	Current	Member	Senior Design Project Committee
3	2019	Current	Member	E-Learning Committee
4	2017	Current	Member	Exams Quality Assurance Committee
5	2019	Current	Member	Professional Exams Initiative

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time

### Volunteer Work

#	From	To	Type of Volunteer	Organization



**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	Computer Programming software & hardware
2	Instrumentations and MCU
3	3D modeling and 3D Printing

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**Last Update**

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