

Amr M. Mohammed

Education

Ph. D., Civil Engineering University of Toronto, 2007.

M.S., Civil Engineering, University of Central Florida, 2002.

B.S., Civil Engineering, Ain Shams University, 1998.

Academic experience

Assistant Professor, WVU Institute of Technology	2014 to present
Visiting Professor, University of Dammam	2013-2014
Assistant Professor, WVU Institute of Technology	2012-2013
Adjunct Professor, Algonquin College (Ottawa, Canada)	2010-2011
Assistant Professor, Ain Shams University (Cairo, Egypt)	2009-2010
Adjunct Professor, United Arab Emirates University	2008 –2009
Teaching Assistant, University of Toronto	2002-2007
Assistant Professor, Ain Shams University (Cairo, Egypt)	1998 - 2001

Non-academic experiences

1. MORRISON HERSHFIELD LIMITED, Ottawa, Canada, Transportation Engineer - 2009 – 2012.
2. Transportation Consultant – Provided consulting services to several companies including: WSP-ME (UAE), AAW (Egypt), NAMAA Consulting Group (Egypt), RCG Consulting Group (Egypt) and RTC Consulting Group (UAE) - Part time 2009 - 2010
3. WSP MIDDLE EAST, DUBAI, UAE, Transport Planner and Engineer - 2008 – 2009
4. IBI GROUP, TORONTO, AND DUBAI, UAE, Transport Engineer - 2007- 2008
5. TRAFFIC & TRANSPORTATION CONSULTING UNIT, DEPARTMENT OF PUBLIC WORKS, AIN SHAMS UNIVERSITY, EGYPT - Transportation Engineer – Part Time 1998–2001.
6. TCB/AET GROUP, CAIRO, EGYPT, Highway and Traffic Engineer - 1999 to 2001

Certifications or professional registrations

Registered Professional Engineer in Ontario, Canada

Current membership in professional organizations

1. Transportation Research Board - TRB [2002-Present]
2. United Arab Emirates – Society of Engineers [2014-Present]
3. Canadian Society of Civil Engineering – CSCE [2005-Present]
4. Institute of Transportation Engineers – ITE, [2002-Present]
5. Canadian Institute of Transportation Engineers – CITE [2002-Present]
6. Canadian Transportation Research Forum – CTRF
7. American Society of Highway Engineers (ASHE) [2001-2003]
8. Egyptian Syndicate of Engineers [1998-Present]

Honors and awards

1. OGSST award (Ontario Graduate Scholarship of Science & Technology (2005 – 2006),
2. Open Fellowship, University of Toronto, (2002-2004, and 2007)
3. Research Assistantship, Dept. of Civil Engineering, University of Toronto (2002-2006)

4. E-Tech Travel Award (The Centre for Environmental Technologies), Ontario Centres of Excellence, (2006)
5. Center of Advanced Transportation Systems Simulation (CATSS) Scholarship, University of Central Florida, (2002)
6. Research Assistantship, Department of Civil and Environmental Engineering, University of Central Florida (2001-2002)
7. Ain Shams University Graduate Studies Scholarship (1998-2000)

Service Activities at WVU Tech

1. Student Recruitment – Blue and Gold Day Open House – 2012
2. Served as judge for Engineering Project Submissions to the American Council of Engineering Companies of West Virginia (ACECWV), for choosing winning Civil Engineering projects in WV (October 2012)

Publications

1. **Mohammed, A.**, A.S. Shalaby and E.J. Miller, “The Development of P-TRANE – A GIS-Based Model of Bus Transit Network Evolution”, *Journal of Urban Planning and Development – The American Society of Civil Engineers (ASCE)*, Volume 140, Issue 1, 04013004 (March 2014)
2. Fildes, B., Stevenson, M., Hoque, S., Majil, A., **Mohammed, A.**, Jabari, O., Al-Ali, A., & Aty, M. “Research Into Seatbelt Wearing in the KSA”. Paper to be presented and published in the AAAM Conference, Munich, Germany (2014)
3. **Mohammed, A.**, A.S. Shalaby and E.J. Miller, “P-TRANE: Modelling Bus Transit Network Evolution in a GIS-Based Framework”, *91st Annual TRB Meeting Proceedings – Washington DC, (January 2012)*
4. **Mohammed, A.**, Shalaby, A., & Miller, E., J, “Understanding Service Changes of Transit Agencies for Modelling the *Bus Transit Network Evolution*”, *Paper Presented at the 2011 GIS in Public Transportation Conference, The Urban and Regional Information Systems Association (URISA), St. Petersburg (September 2011)*
5. **Mohammed, A.**, Shalaby, A., & Miller, E., J, “Developing and Testing P-TRANE, a modelling Framework for Bus Transit Network Evolution”, *Paper Presented at the Transportation Research Forum (TRF) 52nd Annual Conference in Long Beach, California (March 2011)*
6. **Mohammed, A.**, A.S. Shalaby and E.J. Miller, “Using Artificial Intelligence to Model Surface Transit Network Evolution”, *WCTR Proceedings, Transport Research, Berkeley, US (2007)*

Professional Development Activities

1. In process of developing a Traffic Safety Research Center to become a pioneer research center in the State of West Virginia;
2. Providing Several Short courses in the fields of Traffic Engineering Software, Traffic Safety (the use to the Highway Safety Manual [HSM])