

## **DR. Amin S. Hamdi**

Assistant Professor, Civil Engineering Dept., King Abdulaziz University

### **Education**

<i>Degree</i>	<i>Discipline</i>	<i>Institution</i>	<i>Year</i>
PhD	Civil Engineering	University of Waterloo, Waterloo, ON Canada	2015
MS	Civil Engineering	King Abdulaziz University, Saudi Arabia	2007
BS	Civil Engineering	King Abdulaziz University, Saudi Arabia	2004

### **Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2017	present	King AbdulAziz Univ.	Assistant Professor	Chair	Full Time
2015	2017	King AbdulAziz Univ.	Assistant Professor	Instructor	Full Time
2010	2015	University of Waterloo, Ontario	Teaching Assistant	Assistant	Full Time
2007	2009	King AbdulAziz Univ.	Teaching Assistant	Assistant	Part Time
2005	2009	King AbdulAziz Univ.	Research Assistant	Assistant	Full Time

### **Non Academic Experience**

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position description (Brief)</i>
2004	2005	ILF consulting	Engineer	Civil inspector Full time

### **Certifications and Professional Registrations**

1. Saudi Council of Engineers, Saudi Arabia, PE, 2015

### **Current Membership in Professional Organizations**

<i>Member Since</i>	<i>Rank</i>	<i>Society/organization</i>
2000	Member	Saudi Society of Civil Engineering, Saudi Arabia (SSCE)
2015	PE, Member	Saudi Council OF Engineers, Saudi Arabia (SCE)

### **Honors and Awards**

1. Award of excellence as an outstanding full-time student, Saudi Cultural Bureau, Ottawa, Ontario, Canada, Spring 2014
2. Award of excellence as an outstanding full-time student, Saudi Cultural Bureau, Ottawa, Ontario, Canada, Winter 2014
3. Award of excellence as an outstanding full-time student, Saudi Cultural Bureau, Ottawa, Ontario, Canada, Winter 2013
4. Award of best Poster at Graduate Student Poster Symposium, University of Waterloo, Waterloo, Ontario, Canada, Fall 2013
5. Award of excellence as an outstanding full-time student, Saudi Cultural Bureau, Ottawa, Ontario, Canada, Fall 2012.
6. A full scholarship for graduate studies from the Saudi Arabian government, 2009
7. Two years as a treasure for the Saudi student association in Waterloo Canada 2012 and 2013.

### **Service activities (within and outside of the institution)**

1. Thirteen years of academic and industrial experience in pavement and transportation engineering.
2. Two years as a treasure for the Saudi student association in Waterloo Canada 2012 and 2013.

### **Principal Publications/Presentations from the Past Five Years**

1. Amin S. Hamdi. Performance Analysis and Classification of the Ports in Gulf Countries Using Data Envelopment Analysis. *American Journal of Transportation and Logistics*, 2019,2:13. DOI:10.28933/ajtl-2019-09-1805
2. Siddiquee, M. and Hamdi, A. (2019). A Time-Dependent Double Hardening Model for Soft Rock. *Advances in Civil Engineering*, 2019, pp.1-18.
3. Rahman, M., Saha, S., Hamdi, A. and Alam, M. (2019). Development of 3-D Finite Element Models for Geo-Jute Reinforced Flexible Pavement. *Civil Engineering Journal*, 5(2), p.437.
4. Saad Al Jaman, MJB Alam and A. Hamdi, Effects of Automated Traffic Enforcement on Driver Behavior at a Signalized Intersection in Saudi Arabia, *International Journal of Civil Engineering and Technology*, 9(2), 2018, pp. 389–40
5. Bhat, C.R., S. Astroza, and A. Hamdi (2017), "A Spatial Generalized Ordered Response Model with Skew Normal Kernel Error Terms with an Application to Bicycling Frequency," *Transportation Research Part B*, Vol. 95, pp. 126-148 (Keywords: generalized ordered response model, skew normal distribution, social interactions, composite marginal likelihood, spatial econometrics, bicycling frequency)
6. Bhat, C.R., A.R. Pinjari, S.K. Dubey, and A. Hamdi (2016), " On Accommodating Spatial Interactions in a Generalized Heterogeneous Data Model (GHDM) of Mixed Types of Dependent Variables," *Transportation Research Part B*, Vol. 94, pp. 240-263 (Keywords: spatial econometrics, multidimensional mixed data models, latent variables, MACML estimation)
7. Amin Hamdi, Susan Tighe and Li Ningyuan "Canadian Calibration on Mechanistic – Empirical Pavement Design Guide TO Estimate International Roughness Index (IRI) using MTO Data" *International Journal of Pavement Research and Technology*, 2014.
8. Li Ningyuan, Susan Tighe, and Amin Hamdi "Impacts of Using Alternative Performance Indices on Road Asset Value Assessment" *The International Journal of Pavements*, 2013.
9. Amin Hamdi, Mohab El- Hakim, and Susan Tighe "Local Calibration of AASHTOWare® using

Ontario Pavement Management system Data PMS2” International Conference on Managing Pavement Assets, 2015.

### **Recent Professional Development Activities**

1. Institute for the Development of Excellence in Assessment Leadership and designation (IDEAL).
2. Fundamentals of Program Assessment workshop.
3. Skills and techniques of effective personal productivity, Leadership Management International (LMI).
4. Workplace Violence Awareness.
5. General Laboratory Safety.
6. Workplace Hazardous Info. System.