

## FACULTY VITAE

GENERAL INFORMATION	
Name	Nationality
<b>Dr. Mu'ath Ahmad Al-Tarawneh</b>	Jordanian

EDUCATION			
DEGREE	DISCIPLINE	INSTITUTION	YEAR
<b>Bachelors</b>	Civil Engineering	College of Engineering, Mu'tah University Jordan	2013
<b>Masters</b>	Civil Engineering/ Transportation Engineering	College of Engineering, NDSU, USA	2016
<b>Ph.D.</b>	Civil Engineering/ Transportation Engineering	College of Engineering, NDSU, USA	2019

ACADEMIC EXPERIENCE			
INSTITUTION	RANK/TITLE	PERIOD	FT/PT
<b>Civil and Environmental Engineering, Mu'tah University, Jordan</b>	Assistant Professor	2019 - Now	FT

NON-ACADEMIC EXPERIENCE			
COMPANY/ENTITY	RANK/TITLE	PERIOD	FT/PT
<b>Buthainal Al-Tarwneh engineering office</b>	Civil engineer	2013-2014	FT

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	
ORGANIZATION	PERIOD
<b>Jordan Engineering association</b>	2013-now
<b>ASCE T&amp;DI Infrastructure Systems Committee</b>	2018-now
<b>Institute of Transportation Engineers (ITE)</b>	2018-now

HONORS & AWARDS
<b>DDA-NDSU in 2019</b>

IMPORTANT PUBLICATIONS AND PRESENTATIONS (The Past Five Years)
<b>M. Al-Tarawneh, Y. Huang, "Glass fiber-reinforced polymer packaged fiber Bragg grating sensors for low speed weight-in-motion measurements," Opt. Eng. 55(8), 086107 (2016).</b>

**Z. Zhang, Y. Huang Y, R. Bridgelall, M. Al-Tarawneh, and P. Lu, "Optimal System Design for Weigh-In-Motion Measurements Using In-Pavement Strain Sensors". IEEE Sensors Journal.2017(23):7677-84.**

**M. Al-Tarawneh, Y. Huang, P. Lu, and D. Tolliver, "Vehicle Classification System Using Inpavement Fiber Bragg Grating Sensors", IEEE Sensors Journal, Vol. 18, No. 7, pp. 2807-2815, (2018)**

**M. Al-Tarawneh, Y. Huang, P. Lu, and R. Bridgelall, "Weigh-In-Motion System in Flexible Pavements Using Fiber Bragg Grating Sensors," Submitted to IEEE-ITS Journal, Under review, 2019.**

**M. Al-Tarawneh, Y. Huang, P. Lu, and R. Bridgelall, "Parametric Study on The Stability of Weigh-In-Motion System in Flexible Pavement," Submitted to IEEE-ITS Journal, Under review, 2019.**

**Al-Kheetan, M. J., Rahman, M. M., Ghaffar, S. H., M. Al-Tarawneh ,and Jweihan, Y. S. (2020). Comprehensive Investigation of the Long-term Performance of Internally Integrated Concrete Pavement with Sodium Acetate. Results in Engineering,**

**M. Al-Tarawneh, Huang, Ying, Pan Lu, and Raj Bridgelall. "Weigh-In-Motion System in Flexible Pavements Using Fiber Bragg Grating Sensors Part A: Concept." IEEE Transactions on Intelligent Transportation Systems (2019).**

**M. Al-Tarawneh, Y. Huang, " In-Pavement Fiber Bragg Grating Sensor for Vehicle Counting", The International Conference on Civil Infrastructure and Construction. Qatar, 2020.**

**M. Al-Tarawneh, Y. Huang, "Road vehicle classification using machine learning techniques", Proc. SPIE, Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2019.**

**M. Al-Tarawneh, Y. Huang, "In-pavement fiber Bragg grating sensors for speed and wheelbase estimation", Proc. SPIE, Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2018.**