

Information Required For Faculty Website

Personal Photo



Name:	Michael D. Elwardany
Title:	Teaching Assistant
Specialization:	Highway Engineering
E-mail:	elwardany.michael@gmail.com
Education:	<ul style="list-style-type: none">• Ph.D. in Civil Engineering, North Carolina State University, Raleigh, NC, USA in 2017.• M.S. in Civil Engineering, University of New Hampshire, Durham, NH, USA in 2012.• B.Sc. in Civil Engineering, Alexandria University, 2008.
Teaching Experience:	Teaching Assistant for the following classes: <ul style="list-style-type: none">• Materials of Construction – NCSU, USA.• Mechanics of Solids – NCSU, USA.• Highway Engineering – Alexandria University.• Engineering Economics – Alexandria University.• Civil Engineering Drafting – Alexandria University.
Research Interests:	<ul style="list-style-type: none">• Resilient and sustainable infrastructure.

	<ul style="list-style-type: none"> • Chemo-mechanical and Rheological Characterization of Asphalt Binders. • Asphalt Concrete Oxidative Aging and Balanced Mix Design. • Continuum Mechanics Modeling of Asphalt Concrete Mixtures. • Analysis, Design, and Performance Prediction of Pavement Systems. • Pavement Condition Surveys and Non-destructive Evaluations. • Pavement Management Systems. • Pavement Preservation and Maintenance Techniques.
<p>Honors and Awards:</p>	<ul style="list-style-type: none"> • International Contest on Long-Term Pavement Performance (LTPP) Data Analysis, First Place Award. Nov 2016 • McKinney Honorary Scholarship Award, North Carolina Section of the Institute of Transportation Engineers. May 2016 • Preparing the Professoriate Fellowship, North Carolina State University. Apr 2016 • Best Poster Award, Second Place, International Society for Asphalt Pavements. Jun 2014 • Jeffrey Pochily Scholarship, Northeast Transportation Training and Certification Program. Nov 2011 • Best Senior Design Project Award, Department of Transportation, Alexandria Univeristy. Jul 2008 • Phi Kappa Phi, honor society. Feb 2017 • Tau Beta Pi, honor society. Dec 2015 • HonorSociety.org, North Carolina State University chapter membership. Jun 2014

	<ul style="list-style-type: none"> • Golden Key, international honor society, US membership. Aug 2012
Grants:	<ul style="list-style-type: none"> • Asphalt Industry Research Consortium (AIRC) – 2nd Iteration for WRI. • Various Industry Projects (Confidential) for WRI.
Google Scholar:	<ul style="list-style-type: none"> • https://scholar.google.com/citations?user=HuH6TCwAAAAJ&hl=en
Academic Activities:	<p>Journal Reviewer:</p> <ul style="list-style-type: none"> • Construction and Building Materials. • International Journal of Pavement Engineering. • Transportation Research Record (AFD 10, AFD 60, AFK 20, and AFK 50 Standing Committees). <p>Reviewer for the following conferences:</p> <ul style="list-style-type: none"> • International Airfield and Highway Pavement Conference (2019), Chicago, IL, USA. • International Congress and Exhibition on Sustainable civil Infrastructure (2018), Egypt. • Tran-SET Conference (2019), San Antonio, TX, USA. <p>Technical Committees:</p> <ul style="list-style-type: none"> • American Society of Civil Engineers (ASCE) – Airfield Pavement Committee. • Transportation Research Board: AFD60 Standing Committee for Design and Rehabilitation of Asphalt Pavements. • Association of Asphalt Paving Technologists. • Tran-SET Program Committee. • Friend of FHWA Asphalt Binder and Asphalt Mixture & Construction Expert Task Groups.
Personal Website:	www.linkedin.com/in/michael-elwardany

	https://www.researchgate.net/profile/Michael_Elwardany
Other Affiliations:	Western Research Institute www.westernresearch.org

الاسم:	مايكل داود سليمان الورداني
الوظيفة الحالية:	معيد
التخصص:	هندسة المواصلات
الايمل:	elwardany.michael@gmail.com
المؤهلات الدراسية:	دكتوراه في الهندسة المدنية – جامعة ولاية كارولينا الشمالية بالولايات المتحدة الامريكية – 2017 ماجستير في الهندسة المدنية – جامعة نيوهامبشير بالولايات المتحدة الامريكية – 2012 بكالوريوس في الهندسة المدنية – جامعة الإسكندرية - 2008
الخبرات التدريسية:	هندسة الطرق الاقتصاد الهندسي الرسم الهندسي المدني
الأبحاث:	الخواص الكيميائية والميكانيكية للمواد الرابطة الاسفلتية التصميم المتوازن للخلطات الاسفلتية تأثير الاكسدة والتقادام على أداء الخلطات الاسفلتية <ul style="list-style-type: none"> • https://scholar.google.com/citations?user=HuH6TCwAAAAJ&hl=en
الجوائز:	الحصول على الجوائز التالية من الولايات المتحدة الامريكية: <ul style="list-style-type: none"> • International Contest on Long-Term Pavement Performance (LTPP) Data Analysis, First Place Award. Nov 2016 • McKinney Honorary Scholarship Award, North Carolina Section of the Institute of Transportation Engineers. May 2016 • Preparing the Professoriate Fellowship, North Carolina State University. Apr 2016 • Best Poster Award, Second Place, International Society for Asphalt Pavements. Jun 2014 • Jeffrey Pochily Scholarship, Northeast Transportation Training and Certification Program. Nov 2011 <p>بالإضافة للعضويات الشرفية التالية:</p> <ul style="list-style-type: none"> • Phi Kappa Phi, honor society. Feb 2017

<ul style="list-style-type: none"> • Tau Beta Pi, honor society. Dec 2015 • HonorSociety.org, North Carolina State University chapter membership. Jun 2014 • Golden Key, international honor Society 	
<p>مجموعة منح وتمويلات بحثية مختلفة ل Western Research Institute</p>	<p>المنح:</p>
<p>مراجعة علمية للدوريات التالية: Construction and building Materials International Journal of Pavement Engineering Transportation Research Record</p>	<p>المهام الأكاديمية:</p>
<p>www.linkedin.com/in/michael-elwardany https://www.researchgate.net/profile/Michael_Elwardany</p>	<p>الموقع الشخصي:</p>