

Ilseok “Eddie” Oh Ph.D.

Associate Professor | Construction Engineering
East Texas A&M University
903.886.5468 | Eddie.Oh@etamu.edu

EDUCATION

Doctor of Philosophy, Civil Engineering (Geotechnical/Materials Engineering)

Iowa State University of Science and Technology, Ames, Iowa

Master of Science, Civil Engineering (Geotechnical Engineering)

Iowa State University of Science and Technology, Ames, Iowa

Bachelor of Science, Civil Engineering (Emphasis in Geotechnical Engineering)

Hanyang University, Seoul, South Korea

PROFESSIONAL EXPERIENCE

East Texas A & M University, Commerce, Texas (2012 ~ present)

Associate Professor, Construction Engineering

Kennesaw State University, Marietta, Georgia (2006 ~ 2012)

Program Director & Associate Professor, Civil and Construction Engineering
Director, Georgia Pavement Research Center

State University of New York at Alfred, Alfred, New York (2003 ~ 2006)

Assistant Professor, Civil Engineering Technology Department

Iowa State University, Ames, IA (1999 ~ 2003)

Teaching & Research Assistant

Hayward Bakers Inc., Santa Paula, CA (2000)

Field Engineer

Denver-Korea Inc., Seoul, Korea (1997 ~ 1999)

Project Engineer & Project Manager

Hanyang University, Seoul, Korea (1998)

Teaching & Research Assistant

SELECTED PUBLICATIONS

- Jaeheum Yeon, Burchan Aydin, Ilseok Eddie Oh, Sojung Kim, and Julian Kang, “Three-Dimensional Big-Screen Construction Project Models for Construction Engineering Students: Challenges and Opportunities”, Associated Schools of Construction (ASC) International Conference, Liverpool, UK, April 15-18, 2020
- Burchan Aydin, Jaeheum Yeon, and [Eddie Oh](#), “Survey Study of UAVs in the Construction: Knowledge, Attitudes, Practice”, IISE Annual Conference, Institute of Industrial & Systems Engineers, Orlando, Florida, May 18 – 21, 2019
- Mark Czarny, Jaeheum Yeon, and [Eddie Oh](#), “Content Analysis Approach: Infrastructure Construction Risk Identification using the Hurricanes Harvey and Katrina Disasters”, Texas A&M University System’s 15th annual Pathway Research Symposium, West Texas A&M University, November 1-2, 2018
- Glen Craig, Byungik Chang, [Eddie Oh](#), Kenneth Lietch, “Recyclable Fine Aggregates in Concrete”, Proceedings, Institute of Industrial & Systems Engineers (IISE) conference, May 20 – 23, 2017, Pittsburgh, Pennsylvania
- Mingming Zheng, Nilo Tsung, [Ilseok Eddie Oh](#), Guosheng Jiang, Pinghe Sun, “A Preliminary Study of the Earth Pressure Exerted on Pipelines Installed by the Open-Cut Method and Trenchless Technology”, Electronic Journal of Geotechnical Engineering, Vol 21, 2016
- Research Report, “Determination of Coefficient of Thermal Expansion for Portland Cement Concrete (PCC) Pavements for MEPDG Implementation”, GDOT PR 10-04, October 2012

- Ilseok Oh and Wasim Barham, "The Application of Artificial Neural Network for the Prediction of the Deformation Performance of Hot-Mix Asphalt", Proceedings of 2011 ASCE International Workshops on Computing in Civil Engineering, June 19 – 22, 2011, Miami, Florida
- Simin Nasser, Mohammad Jonaidi, and Ilseok Oh, "Efficient Teaching Methods in Engineering Mechanics Courses", The 3rd annual Polytechnic Submit, June 8 – 10, 2011, SPSU, Marietta, Georgia
- Sunghee Kim, Ilseok Oh, "Performance of Constructed Facilities: Pavement Structural Evaluation of William P Hobby Airport in Houston, Texas", Korean Disaster Prevention Association, June, 2008
- Ilseok Oh, "A Gyrotory Indentation Test – a useful tool to produce quality hot-mix asphalt", Material Matters, New York Construction Materials Association, Fall 2005.
- Ilseok Oh, "Fundamental Behavior of Hot-Mix Asphalt", Material Matters, New York Construction Materials Association, Fall 2005.
- Ilseok Oh and Brian J. Coree, "A Rapid Performance Test for SUPERPAVE HMA mixtures", Proceedings of International Symposium on Long Lasting Asphalt Pavements, International Society of Asphalt Pavements, Auburn, Alabama, June 2004.
- Ilseok Oh and Brian J. Coree, "A Really Simple Performance Test", Proceedings of Association of Asphalt Paving Technologists, Baton Rouge, Louisiana, March 2004.
- Ilseok Oh, "Technology Transfer: 2002 AAPT", Journal of Korean Society of Pavement Engineering, No.4, Vol.3, Seoul, Korea, September 2002.
- Ilseok Oh, "Statistical Analysis of Construction Tolerances in Asphalt Pavements", Iowa State University, Ames, Iowa, May 2001.
- Byang-Sik Chun and Ilseok Oh, "A Study of Effect on Railroad Base Improvement by Compaction Grouting", Proceedings of Korean Railroad Institute Spring Conference, Seoul, Korea, May 1999.
- Byang-Sik Chun and Ilseok Oh, "A Study of Effect on Ground Improvement by CGS", Proceedings of Korean Geotechnical Engineering Institute Spring Conference, Seoul, Korea, February 1999.

SELECTED PRESENTATIONS

- Invited Guest Speaker, "Sciences in Pavement Engineering", LeTourneau University, Longview, Texas, Oct. 30th, 2014
- Invited Guest Speaker, "Engineer's Art people do not see: Geotechnical Engineering", Engineer's Day, Texas A&M University-Commerce, February 12th, 2014
- Invited Guest Speaker, "Construction Research Projects", Engineer's Day, Texas A&M University-Commerce, February 27th, 2013
- "The Application of Artificial Neural Network for the Prediction of the Deformation Performance of Hot-Mix Asphalt", Ilseok Oh and Wasim Barham, 2011 ASCE International Workshops on Computing in Civil Engineering, June 19 – 22, 2011, Miami, Florida
- "The Application of Artificial Neural Network for the Prediction of the Deformation Performance of Hot-Mix Asphalt", Ilseok Oh and Wasim Barham, The 3rd annual Polytechnic Submit, June 8 – 10, 2011, SPSU, Marietta, Georgia
- "Efficient Teaching Methods in Engineering Mechanics Courses", Simin Nasser, Mohammad Jonaidi, and Ilseok Oh, The 3rd annual Polytechnic Submit, June 8 – 10, 2011, SPSU, Marietta, Georgia
- "Applications of Engineering Geology in Civil Engineering", Invited Lecture, Chosun University, Kwang-Joo, Korea, May 13th, 2011
- "Geotechnical Engineering for Structural Engineers", ASCE SEI Georgia Chapter, Ilseok Oh, Sonny Kim, and Pyo Hong, Georgia Institute of Technology, Atlanta, GA, March 24th, 2011
- "Engaging the STEM Student In and Out of the Classroom - Engineering Summer Camp for K-12", Ilseok Oh and Wasim Barham, University of West Georgia, Feb. 19th - 20th, 2010
- "Hot-Mix Asphalt – Production, Construction and QC/QA", Civil Engineering Graduate School Seminar, University of Tennessee at Knoxville, Oct. 16th, 2007
- "Parallel Study on NYS Mixes", New York Construction Materials Association (NYCMA) Annual Technical Conference, Hudson Valley Community College, Troy, NY, March 2005.
- "A Rapid Performance Test for SUPERPAVE HMA mixtures", International Symposium on Long Lasting Asphalt Pavements, Auburn, Alabama, June 2004.
- "Technical Updates from a National Perspective", New York Construction Materials Association (NYCMA) Annual Technical Conference, Rensselaer Polytechnic Institute, Troy, NY, March 2004.
- "A Rapid Performance Tester for Superpave Mixtures", NYCMA Annual Technical Conference, Rensselaer Polytechnic Institute, Troy, NY, March 2004.
- "The 2002 AASHTO Design Guide and Implementation", 2003 Annual HMA Conference, Iowa Department of Transportation, April, 2003.
- "Pavement Engineering: Where Are We?", Geo-Engineering Society, Iowa State University, February, 2003.
- "A Study of Effect on Railroad Base Improvement by CGS", Korean Railroad Institute Spring Conference, Seoul, May 1999.

RESEARCH & TEACHING INTEREST

- Pavement Engineering
- Geotechnical Engineering
- Construction Materials