



2010 ODOT-OTC TRANSPORTATION RESEARCH DAY

Thursday, October 14, 2010
ODOT Commission Room
200 N.E. 21st Street, Oklahoma City, Oklahoma



Research, Education & Outreach, and Diversity posters are displayed from 11:00 A.M. until 2:30 p.m.

Registration: www.2010odototctransportationresearchday.eventbrite.com

8:00 a.m. Continental Breakfast

8:30 a.m. *Welcome* by Gary Ridley, P.E., Oklahoma Secretary of Transportation
Opening Remarks by Tony Dark, P.E., OTC Executive Director

8:45 a.m. *Program Introduction* by Ginger McGovern, P. E., Moderator of Technical Session 1

8:50 a.m. Invited Lecture: *"Communicating the Value of Research"* by Billy Connor, PE, Director, Alaska University Transportation Center

9:20 a.m. Introduction to Research Needs Assessment, Kevin Lowe, ODOT

Technical Session 1

9:45 a.m. *"Analysis of Aggregates and Binders Used for the ODOT's Chip Seal Program"*, Dominique Pittenger and Douglas Gransberg, Ph.D., P.E., Construction Science – College of Architecture, The University of Oklahoma

10:10 a.m. *"Evaluation of the Effectiveness of ODOT's Cable Barrier Program"*, Chris Ramseyer, Ph.D., P.E., School of Civil Engineering and Environmental Science, The University of Oklahoma

10:35 a.m. Break

10:45 a.m. *"Transportation Quality and Socioeconomic Conditions: A Case Study"*, Jonathan C. Comer, Ph.D., Amy K. Graham, M.S., and Stacey R. Brown, M.S., Department of Geography, Oklahoma State University

11:10 a.m. *"Effect of Gradation on Stability and Drainability of Selected Aggregate Bases in Oklahoma: A Field Case Study"* Rouzbeh Ghabchi and Musharraf Zaman, Ph.D., P.E., School of Civil Engineering and Environmental Science, The University of Oklahoma

11:30 a.m. *"Making Connections with the Real World - the Transportation Intern Program and other Local Government Agency Projects"*, Douglas A. Wright, Director, Center for Local Government Technology, Oklahoma State University

Noon Lunch

1:30 p.m. *Introduction of Afternoon Session* by Tony Dark, P.E, Moderator of Technical Session 2

Technical Session 2

1:35 p.m. *"Calcium-Based Stabilizer Induced Heave in Oklahoma Sulfate-Bearing Soils"*, Amy Cerato, Ph.D. P.E., School of Civil Engineering and Environmental Science, The University of Oklahoma

2:00 p.m. *"Degradation in Selected Tributaries of the Washita River in Oklahoma for Transportation Planning"*, Avdhesh Tyagi, Ph.D., School of Civil and Environmental Engineering, Oklahoma State University

2:25 p.m. *"TISCSoft: A Decision Support System for Transportation Infrastructure and Supply Chain System Planning"*, Manjunath Kamath, Ph.D. and Ricki Ingalls, Ph.D., School of Industrial Engineering & Management, Oklahoma State University ; Carol Jones, Ph.D., Biosystems and Agricultural Engineering, Oklahoma State University; Guoqiang Shen, Ph.D., Regional and City Planning, and P. Simin Pulat, Ph.D., School of Industrial Engineering, The University of Oklahoma

2:50 p.m. *"Daily Work Reports Based Production Rate Estimation for Highway Project Activities"* by David Jeong, Ph.D. and Asregedew K. Woldeesenbet, School of Civil and Environmental Engineering, Oklahoma State University

3:15 p.m. Break

3:30 p.m. Poster Awards Ceremony

Technical Session 3

3:45 p.m. *"Research Needs Assessment"* led by Kevin Lowe, ODOT

4:45 p.m. Adjourn