



2008 ODOT-OTC RESEARCH DAY
Wednesday, October 15, 2008
ODOT Commission Room
200 N.E. 21st Street, Oklahoma City, Oklahoma

- 8:30 am *Opening Remarks (ODOT)* by Phil Tomlinson, Oklahoma Secretary of Transportation
ODOT-OTC Collaboration by Tony Dark, OTC Executive Director
- 8:45 am *Program Introduction/Format* by David Streb/Ginger McGovern, Moderator of Technical Session 1
- 8:50 am *Featured Lecture: "Building Successful Partnerships"* by Steve Albert, Director, Western Transportation Institute
- Technical Session 1**
- 9:20 am *"Unsaturated Soil Diffusion Coefficient Measurements in the Laboratory"* by Rifat Bulut, OSU
- 9:45 am *"Validation and Refinement of Chemical Stabilization Procedures for Pavement Subgrade Soils in Oklahoma"* by Amy Cerato, OU
- 10:05 am *"Field Evaluation of Intelligent Asphalt Compaction Analyzer"* by Sesh Commuri, OU
- 10:30 am **Break**
- 10:40 am *"End-to-end Tracking of Container in the Supply Chain"* by Sridhar Radhakrishnan, OU
- 11:05 am *"Summer Internship Program"* by Wilson Brewer, LU
- 1:00 pm *Introduction of Afternoon Session* by Tony Dark/Steve Cross, Moderator of Afternoon Session
- Technical Session 2**
- 1:00 pm *"Field Evaluation of Repaired Timber Piles"* by Robert Emerson, OSU
- 1:25 pm *"Investigation of a New Precast Bridge Deck System for New Construction"* by Tyler Ley, OSU
- 1:50 pm *"High Performance Concrete in Oklahoma"* by Chris Ramseyer, OU
- 2:15 pm *"Pavement Retexturing as a Pavement Preservation Measure"* by Douglas Gransberg, OU
- 2:40 pm **Break**
- 2:50 pm Panel Discussion on *"Collaboration with the Private Sector: Challenges and Opportunities"*
Panel members: Industry (TBA), OTC (Tony Dark), ODOT (David Streb/Ginger McGovern)
- 3:30 pm *Need Assessment* (Nancy Barrett, Moderator)
- 4:15 pm Adjourn

Poster Presentations:

- "Passive Wireless Corrosion Sensors for Transportation Infrastructure"* by Nicholas Materer, OSU
- "Characterization of PG Binders Modified by Anti-stripping Agent and WMA Additives"* by Zahid Hossain, OU
- "Wireless Sensor Packaging for Monitoring of Highway Bridges"* by Rami Akkari, OU
- "Calcium-Based Stabilizer Induced Heave in Oklahoma Sulfate-Bearing Soils"* by Amy Cerato, OU
- "Field Performance Monitoring of Instrumented Pavement on I-35 in McClain Co."* by Pranshoo Solanki, OU
- "Asphalt Chemistry"* by Sharon Lewis, LU
- "Evaluation of surface free energy of the binder with both warm mix additives and anti-stripping additives"* by Aravinda Buddhala, OU
- "Unsaturated Soil Diffusion Coefficient Measurements in the Laboratory"* by Daniel Mabirizi, OSU
- "Experimental and Nominal Shear Capacity of Type 2 AASHTO PC Beams"* by Randy Martin, OU
- "Plastisoil™: A Green Solution for Problematic Soils"* by Charbel Khoury, OU
- "Some Design Challenges for Fine Grained Fill in Oklahoma"* by Gerald Miller, OU
- "Pavement Retexturing as a Pavement Preservation Measure"* by Douglas Gransberg, OU