



DELAWARE CENTER FOR TRANSPORTATION

PRESENTS

Spring 2008 Research Showcase

Date: Tuesday, May 6, 2008

Time: 1:00-4:00 pm

Place: Paradee Center, Dover, Delaware

Come see our 2008 Transportation Research "PI/PM Showcase." View a poster session and have an opportunity to meet and talk to Principal Investigators from the University of Delaware and Project Managers from DelDOT. Projects include many areas, e.g., Environmental, Bridge Engineering and Management, Traffic, Planning, Policy, Pavement & Materials, and Construction, among others. Refreshments will be served throughout the showcase.

DIRECTIONS TO THE PARADEE CENTER:

Coming from Northern Delaware

Take US Rt. 1 South past Dover Toll Plaza to Exit 95. Bear right and merge onto US Rt. 113 northbound. Make 2nd left, crossing the highway onto Transportation Circle (across from American Legion Airplane). The Paradee Center will be the brick building on your left.

Coming from Southern Delaware

Take US Route 13 North to Dover. Turn right onto Public Safety Boulevard. Public Safety Boulevard brings you to Transportation Circle. Take a right onto Transportation Circle. The Paradee Center will be the brick building on your right just before the highway.

Coming from the Bay Bridge

Take US Rt. 301 East/North. Turn right onto Md. Rt. 302. Go through the town of Barclay. At Templeville, Md., turn right onto Md. Rt. 454. This road turns into Del. Rt. 8 in Marydel, Del. Continue on Rt. 8 through Dover. Turn right onto US Rt. 13 southbound. Bear left at the "US Route 13/113 split" onto US Rt. 113 south. Turn right onto Transportation Circle (just before the Del. Rt. 1 overpass). The Paradee Center will be the brick building on your left.

For more information, please contact Wanda Taylor at 302-831-1446 or Sandi Wolfe at 302-831-4094.

ENVIRONMENTAL

Scenic and Historic Highways in Delaware Phase II

Principal Investigator: David Ames, Center for Historic Architecture and Design
Project Manager: Maria Andaya, Division of Planning

Enhancing Delaware's Highways: A Natural Vegetation Project

Principal Investigator: Sue Barton, Department of Plant and Soil Sciences
Program Manager: Chip Rosan, Division of Roadside Environment

Investigating the Cost, Liability and Reliability of Anti-Idling Equipment for Trucks

Principal Investigator: Young-Doo Wang, School of Urban Affairs
Project Manager: Mark Glaze, Division of Planning

PAVEMENT and MATERIALS

Pavement Performance Models

Principal Investigator: Sue McNeil and Nii Attoh-Okine, Department of Civil and Environmental Engineering
Project Manager: Jennifer Pinkerton, Division of Planning

Resilience Modulus (continuation)

Principal Investigator: Nii Attoh-Okine, Department of Civil and Environmental Engineering
Project Manager: James Pappas, Division of Materials and Research

Investigation of Intelligent Compaction Technology

Principal Investigator: Chris Meehan, Department of Civil and Environmental Engineering
Project Manager: James Pappas, Division of Materials and Research

Scrap Tires Engineering and Environmental Evaluation

Principal Investigator: Nii Attoh-Okine, Department of Civil and Environmental Engineering
Project Manager: James Pappas, Division of Materials and Research

PLANNING

Estimating Vehicle-Miles-Traveled by Vehicle Class for the State of Delaware

Principal Investigator: Young-Doo Wang and John Byrne
Project Manager: Mark Glaze, Division of Planning

An Examination and Presentation of Travel in Sussex County

Principal Investigator: David Racca, Center for Applied Demography & Survey
Project Manager: Mike DuRoss, Division of Planning

Integrating Travel Time Reliability into Planning and Management: Literature Search

Principal Investigator: Sue McNeil, Department of Civil and Environmental Engineering
Project Manager: Mike DuRoss, Division of Planning

Senior-Based Licensing and Testing

Principal Investigator: Bernie Dworsky, Institute for Public Administration
Project Manager: Jennifer Cohan, DMV Director

Comparative Analysis of Best Management Practices in Transportation Design, Construction and Management, Planning to Accommodate Growing Elderly Needs

Principal Investigator: Bernie Dworsky, Institute for Public Administration
Project Manager: Marc Luszcz, Assistant Chief Traffic Engineer

Asset Management as a Strategic Decision Making Tool in DeIDOT

Principal Investigator: Sue McNeil, Department of Civil and Environmental Engineering
Project Manager: Teresa Gardner, Division of Planning

STRUCTURES and BRIDGE

Bridge Management Using In-Service Data (Phase II)

Principal Investigator: Michael Chajes and Harry Shenton, Department of Civil and Environmental Engineering
Project Manager: Doug Finney, Maintenance & Operations – Bridge Management

Establishment of a Geotechnical Information Database

Principal Investigator: Chris Meehan, Department of Civil and Environmental Engineering
Project Manager: James Pappas, Division of Materials and Research

Construction of Approach MSE Walls to IRIB: Reduction of Geotechnical Field Data

Principal Investigator: Dov Leshchinsky and Chris Meehan, Department of Civil and Environmental Engineering
Project Manager: Doug Robb, Division of Transportation Solutions – Bridge Design

Scour Monitoring of the Indian River Inlet Bridge: Pilot Study

Principal Investigator: Jennifer McConnell, Department of Civil and Environmental Engineering
Project Manager: Doug Robb, Division of Transportation Solutions - Bridge Design

Moment Redistribution and the Service II Limit State

Principal Investigator: Jennifer McConnell, Department of Civil and Environmental Engineering
Project Manager: Doug Robb, Division of Transportation Solutions - Bridge Design

Instrumentation and Monitoring of the Indian River Inlet Bridge: Phase I

Principal Investigator: Michael Chajes, Department of Civil and Environmental Engineering
Project Manager: Jiten Soneji, Division of Transportation Solutions - Bridge Design

TRAFFIC and ITS

Calibrated Video System for Traffic Speed and Vehicle Identification

Principal Investigator: Jack Puleo and Harry Shenton, Department of Civil and Environmental Engineering
Project Manager: Jiten Soneji, Division of Transportation Solutions – Bridge Design

2007-2008 GPS Travel Time and Delay Data Collection and Analysis

Principal Investigator: Ardeshir Faghri, Department of Civil and Environmental Engineering
Program Manager: Dan Lacombe, Division of Planning

TRANSIT

A Feasibility Study of Bus Rapid Transit (BRT) in Delaware

Principal Investigator: Bernie Dworsky, Institute for Public Administration
Project Manager: Catherine Smith, Delaware Transit Corporation