



SPRING 2007

NEWS

FAA Hosts 2007 Worldwide Airport Technology Transfer Conference

On April 16-18, 2007, the Federal Aviation Administration (FAA) and the American Association of Airport Executives (AAAE) co-sponsored the 2007 Worldwide Airport Technology Transfer Conference – *New Directions in Airport Technology*. The conference was held in Atlantic City, New Jersey hosted by the Atlantic City International Airport. The Hilton Hotel and Casino Resort in Atlantic City was the site of the conference where over 140 attendees gathered from around the world. [Click here to read more](#)

CEAT PhD Student Wins Award

CEAT Ph.D. Student, Matthew D'Ambrosia, was awarded First Place in the Student Paper Competition at the Concrete Platform '07 Conference held in Belfast, Ireland on April 19-20, 2007. His paper was entitled *Modeling Internal Stresses in Concrete Using Relative Humidity as a Driving Force*, co-authored by Prof. David Lange. [Click here to read more...](#)

CEAT Joins with Georgia Tech on Pavement Research Project

Prof. David Lange will collaborate with Prof. Kim Kurtis (GaTech) starting in FY2007 on a project called "Stresses in Airport Pavements under Environmental and Dynamic Loads". This project will support the research of Quentin Watkins, a GaTech Ph.D. student and full-time employee of the Atlanta Hartsfield-Jackson International Airport. FAA personnel from the NAPTF have already been working with Quentin, installing instrumentation in pavement slabs to measure deformation. Quentin's work will include analysis of data from existing instrumentation and future experiments. Computer modeling software developed by Chang Joon Lee, a Ph.D. student under the supervision of Prof. Lange, will be used by Quentin to evaluate data associated with his experiments.

RESEARCH BRIEFS

Papers Presented at FAA Conference

CEAT Faculty, Prof. Jeff Roesler and Prof. Erol Tutumluer, presented papers at the FAA 2007 Worldwide Airport Technology Transfer Conference on April 16-8, 2007 in Atlantic City, New Jersey. Prof. Roesler's paper is entitled, "Effect of Gear Positions on Airfield Rigid Pavement Critical Stress Locations". [Click here to view the paper...](#) Prof. Tutumluer's paper is entitled, "Analysis of NAPTF Trafficking Response Data for Pavement Foundation Deformation Behavior". [Click here to view the paper...](#)

Tech Note 28 – Performance of Grooved Bituminous Runway Pavement

The new Tech Note is by A. Apeagyei, I. Al-Qadi, Hasan Ozur, and W. Buttlar. [Click here to learn more...](#)

The complete list of CEAT Tech Notes can be found on the CEAT web site (<http://ceat.uiuc.edu>) under the Publications section, password-ceat.

OUTREACH AND TECHNOLOGY TRANSFER

Thomas Van Dam Gives Seminar at CEAT

May 18, 2007

Professor Tom Van Dam from Michigan Tech University presents at UIUC on May 18. He also presents to the OMP on May 17, 2007. The titles of his talks are "Concrete Durability: Specific Concerns for Airport Pavements". [Click here read more...](#)

Brown Bag Lunch Seminar Series at OMP

March 8, 2007

Bill Buttlar presented, "[Reflective Crack Relief Interlays](#)".

Professor Buttlar is a faculty member in the Department of CEE at UIUC. He is a PI for the CEAT project, "Reflective Cracking and Improved Performance of Grooved Asphalt" sponsored by the OMP and the CEAT project, "Development of New Methodologies for Mechanistic Design of Asphalt Overlays" sponsored by the FAA.

Brown Bag Lunch Seminar Series at OMP

April 12, 2007

Leslie Struble presented, "[Self Consolidating Concrete](#)".

Professor Struble is a faculty member in the Department of CEE at UIUC. She is a PI for the CEAT project, "Reflective Cracking and Improved Performance of Grooved Asphalt" sponsored by the OMP.

CONFERENCES AND EVENTS

CEAT Workshop on "Moisture & Temperature Modeling for Concrete Pavements"

July 9-10, 2007

Urbana, IL – Newmark Civil Engineering Bldg on the University of Illinois campus, contacts: J. Roesler, jroesler@uiuc.edu and D. Lange, dlange@uiuc.edu

AWARDS AND HONORS

Imad Al-Qadi

Received American Society of Civil Engineering (ASCE) James Laurie Prize for 2007

This award is made annually to a member of ASCE who has made a definite contribution to the advancement of transportation engineering, either in research, planning, design, or construction, these contributions being made either in the forms of papers or other written presentations, or through notable performance or specific actions which have served to advance transportation engineering.

Rosemarie Andolino

OMP Executive Director

Named the Recipient of the 2006-2007 Public Service Award from ASA Chicago

Announced on May 10, 2007 by ASA Chicago, Rosemarie receives this honor which has only been awarded on three previous occasions in the 40-year history of ASA. [Click here to read more...](#)

Matthew D'Ambrosia

Awarded Best Student Paper at the Concrete Platform 2007

Belfast, Ireland

Matt received the Best Student Paper award at the International Conference, Concrete Platform 2007, held on April 19-20, 2007 in Northern Ireland. His paper was entitled, "Modeling Internal Stresses in Concrete Using Relative Humidity as a Driving Force."

Yi-Shi Liu

New Father

April 23, 2007

CEAT PhD Student Yi-Shi Liu and his wife Shu-Ting are the proud parents of a baby girl named Cherilyn born on April 23, weighing 7 lbs and 5 oz. Yi-Shi says his baby girl is really a blessing in his life and when he looks at her all tiredness is gone.

CONTACT INFO

Thanks for reading our quarterly e-newsletter. For more information about the Center of Excellence for Airport Technology at the University of Illinois, visit <http://ceat.cee.uiuc.edu/>. The Director of CEAT is Prof David Lange: dlange@uiuc.edu. For questions or comments, send email to Vicki Dixon: vdixon@uiuc.edu.