



WINTER 2007

NEWS

Apply Now for Summer Internship Positions with OMP Companies

The Center of Excellence for Airport Technology (CEAT) is seeking undergrad or grad students majoring in engineering for Summer Internships with companies affiliated with the O'Hare Modernization Program (OMP) in the Chicago Area. The CEAT Internship Program is an initiative to provide qualified college students with summer internships with companies affiliated with the O'Hare Modernization Program. The participating companies affiliated with the OMP are engineering firms located in the Chicago/Metro area. For a complete list please see the CEAT website at: <http://ceat.uiuc.edu>. TO APPLY: send your resume to vdixon@uiuc.edu.

FAA-CEAT Program Meeting 2007

On January 30, FAA Program Manager, David Brill, and Al Larkin, also from the FAA, visited CEAT at UIUC to discuss this year's projects and review the progress from 2006. CEAT had a favorable review with many students attending with posters on their projects. [Click here to read more...](#)

OMP-CEAT Kickoff Meeting 2007

The Center hosted a kickoff meeting for Year 2007 Research Projects at the OMP offices in Chicago on January 11. All Project Leaders and Graduate Students attended the event to discuss this year's research plan with Program Managers at OMP. [Click here to read more...](#)

RESEARCH BRIEFS

All New CEAT Tech Notes...

Tech Note 34 – Fracture and Drying Shrinkage Properties of Concrete Containing Recycled Concrete Aggregate

The latest Tech Note is by V. Cervantes, Professor. J. Roesler, and A. Bordelon. [Click here to learn more...](#)

Tech Note 33 – Fracture Behavior of Functionally Graded Concrete Materials (FGCM) for Rigid Pavements

This Tech Note is authored by Professors J. Roesler and G. Paulino, C. Gaedicke, A. Bordelon, K. Park. [Click here to learn more...](#)

Tech Note 32 – Moisture and Temperature Curling Stresses in Airfield Concrete Pavements

This Tech Note is by R. Rodden, Professors J. Roesler and D. Lange. [Click here to learn more...](#)

Tech Note 31 – Alkali Silica Reaction of Candidate Aggregates for Concrete at O'Hare International Airport

This Tech Note is by F. Nelson. [Click here to learn more...](#)

Tech Note 30 – Assessment of Selected Mineral Admixtures for Mitigating Alkali Silica Expansion

This Tech Note is by F. Nelson and Professor L. Struble. [Click here to learn more...](#)

Tech Note 29 – Alkali Silica Reactivity of Selected Sands

This Tech Note is by F. Nelson and Professor L. Struble. [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

Recent Grad Joins FAA New England Region Airports Division

January 2007

Amanda Kiser Wingenter completed her MS degree in December 2006 at UIUC and has started working as a civil engineer for the FAA New England Region Airports Division. Amanda had been working on the CEAT OMP research project with Dr. Herricks since January of 2006. [Click here to read more on the story...](#)

Brown Bag Lunch Seminar Series at OMP

December 14, 2006

Bruce Branham presented, ["Turf Management for Airports – A Primer on Species, Endophytes, and Wildlife Interactions"](#). Bruce is a Faculty member in the Department of Natural Resources and Environmental Studies at UIUC. He is a Co-PI for the CEAT Wildlife Safety and Horticulture Project sponsored by the OMP.

CONFERENCES AND EVENTS

Transportation & Highway Engineering (THE) Conference

February 20-21, 2007

Urbana, IL – University of Illinois at the Illini Union Building

Call for abstracts and more information on the conference, [Click here to visit the site...](#)

2007 FAA Worldwide Technology Transfer Conference and Exposition

April 16-18, 2007

Atlantic City, New Jersey

Call for abstracts and more information on the conference, [Click here to visit the site...](#)

AWARDS AND HONORS

Imad Al-Qadi

Received TRB Mickle Award

CEAT Faculty Imad Al-Qadi has been awarded Transportation Research Board's (TRB) 2006 D. Grant Mickle Award for the outstanding paper in the field of operation, safety, and maintenance of transportation facilities. His paper is entitled, "Viscoelastic Model to Describe Mechanical Response of Bituminous Sealants at Low Temperature". [Click here to read more...](#)

Professor Al-Qadi also has a [published profile](#) in TRNews issue Nov-Dec 2006 and was elected as an honorary member of the Societa Italiana Infrastruttura Viarie, Italy.

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.