



SPRING 2008

NEWS

CEAT PhD Student Named FAA Outstanding Student of the Year

Ph.D. student, Andrew Braham, was awarded the FAA COE Outstanding Student of the Year Award for 2007-2008. He received the prestigious award at the TRB dinner on January 12, 2008. [Click here to read more...](#)

Now Accepting Summer Research Internship Applications

The Center is looking for several students to employ this summer working on research projects. The CEAT Internship Program is sponsored by the FAA Minority Outreach Project. Students should apply by sending resumes to vdixon@uiuc.edu. [Click here to read more...](#)

CEAT Airport Wildlife Management Project at O'Hare

The CEAT airport wildlife management project for OMP has been making headway. This project began summer 2006 and data collection began the following fall. The goal of this research is to reduce bird presence at O'Hare International Airport in order to decrease the number of bird-aircraft strikes. Field observations conducted over the past year confirm that topsoil attracts more birds than soil stripped of topsoil. This result is consistent with our recommendation that topsoil need not be replaced on land under construction at O'Hare. [Click here to read more...](#)

RESEARCH BRIEFS

Field Testing on Concrete Slabs at O'Hare

On October 29, 2007, a new section of taxiway was poured at O'Hare, and our UIUC research team installed sensors into the pavement to measure temperature, relative humidity, lift-off of slab corners, and joint-opening displacements. [Click here to read more...](#)

Tech Notes

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

OUTREACH AND TECHNOLOGY TRANSFER

Brown Bag Lunch Seminar Series at OMP

October 31, 2007

Imad Al-Qadi presented "[Reflective Cracking: Initiation, Propagation & Controlling Techniques](#)." Professor Al-Qadi is a faculty member in the CEE Department at UIUC, a PI for CEAT, and Director of ICT.

December 12, 2007

David Lange and Yi-Shi Liu presented, "[Do Concrete Materials Specifications Address Real Performance?](#)"

Professor Lange is a faculty member in the Department of CEE at UIUC and Director of CEAT. He is a PI for the CEAT project, "Enhancements of ICON Software: Environmental Condition Modeling and Design Implementation" sponsored by the FAA.

Structural Design Competition at UIUC for Students

February 2008

Students can now apply for a Structural Design Competition at the University of Illinois. Design a structure using any Autodesk products freely available on the Autodesk student web portal. The challenge for students is to encourage creativity, originality and innovation in the conventional and conservative field of designing different structures. Please see the website for more information, http://nobeillinois.org/autodesk_competition. Or link through the CEAT website at <http://ceat.uiuc.edu>, CEAT is a sponsor for this competition.

CONFERENCES AND EVENTS

Transportation and Highway Engineering Conference (THE) 2008

February 26-27, 2008

Urbana, IL

<http://www.theconf.com/>

Sixth RILEM International Conference on Cracking in Pavements

June 16-18, 2008

Chicago, IL

<http://www.ict.uiuc.edu/RILEM/>

FAA Airport Technology Transfer Conference

June 17-19, 2008

Atlantic City, NJ

<http://www.airporttech.tc.faa.gov/index.asp>

2008 T&DI Specialty Conference on “Airfield and Highway Pavements”

October 15-18, 2008

Seattle, WA

<http://content.asce.org/conferences/pavements2008/index.html>

AWARDS AND HONORS

Hyunwook Kim Graduate

August 2007

Ph.D. student, Hyunwook Kim, defended his thesis on June 2007. His advisor was Professor Buttlar and he worked on the CEAT FAA project, *Development of New Methodologies for Mechanistic Design of Asphalt Overlays*, at UIUC as a Ph.D. student. He now is employed with the Road Swiss Federal Laboratories for Materials Testing and Research in the Engineering/Sealing Components Department located in Dübendorf, Switzerland.

Andrew Braham Named FAA COE Student of the Year Award

January 2008

CEAT Ph.D. Student, Andrew Braham, was selected for the Student of the Year Award (2007) and received the award at the FAA CUTC Banquet/Awards Ceremony at TRB on January 12, 2008. [Click here to read more...](#)

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.