



## FALL 2008

### NEWS

#### **FAA to give 'Excellence in Aviation Research Award' to Prof Ed Herricks**

The Federal Aviation Administration (FAA) will present a 2008 Excellence in Aviation Research Award to Professor Edwin Herricks of the Department of Civil and Environmental Engineering (CEE) at the University of Illinois at Urbana-Champaign. The award is given for research contributions that have resulted in a significantly safer, more efficient national airspace system. [Click here to read more details...](#)

#### **CEAT Summer Internships**

The Center sponsored six students for the CEAT Summer Internship Program working on research projects with CEAT Graduate Students and Faculty. The CEAT Internship Program is sponsored by the FAA Minority Outreach Project. [Click here to read more details...](#)

#### **OMP celebrates New Runway and Air Traffic Control Tower**

On November 20, 2008, the OMP held a commissioning ceremony for the new runway 9L/27R and new north air traffic control tower. [Click here to read more details...](#)

#### **ABC News Segment features CEAT Airport Wildlife Management Project**

The CEAT airport wildlife management project and Professor Ed Herricks was highlighted in the ABC News segment on Airport Safety and Runway Debris, June 19, 2008. [Click here to read more details...](#)

### RESEARCH BRIEFS

#### **Tech Note 36 – pH of Potassium Acetate Deicing Solution**

This technical note is authored by CEAT Graduate Student Li Ai and Professor Leslie Struble.

#### **Tech Note 37 – Investigation of Alkali-Silica Reaction in Asphalt Mixtures Exposed to Potassium Acetate Deicing Solution**

This technical note is authored by CEE Post Doc Alex Apeageyi, Professor Leslie Struble and Professor William Buttlar.

#### **Tech Note 38 – Compaction of Unsuitable Materials in SW Quadrant of ORD**

This technical note is authored by CEAT Faculty Professor Emeritus Marshall Thompson and Professor James Long.

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

### OUTREACH AND TECHNOLOGY TRANSFER

#### **CEAT Workshop on the Advanced Characterization, Modeling, and Design of Concrete Pavements**

**August 13-15, 2008**

CEAT hosted a joint Workshop at the University of California at Berkeley Pavement Research Center. The workshop brought together experts in concrete materials characterization, mechanics, modeling, and design to critically discuss and develop concepts that address existing limitations, lack of knowledge, and needed future direction for improvement of concrete pavement analysis, design, and construction. [Click here to read more details...](#)

#### **Brown Bag Lunch Seminar with Graduate Student, Theresa Kissane**

**August 2008**

CEAT Research Assistant, Theresa Kissane, performs research on the O'Hare Wildlife Safety project with Prof Ed Herricks, Prof Jeff Brawn and Prof Bruce Branham. She presented, "Deterrence of Wildlife at O'Hare through Habitat Management" in August 2008 at the OMP. [Click here to view the Power Point presentation.](#)

#### **Brown Bag Lunch Seminar with Prof Herricks**

**May 2008**

Dr. Ed Herricks presented "CEAT Airport Safety Program – Reviewing Activities in Avian Radar, FOD Detection, and Visual Guidance." Professor Ed Herricks heads the Wildlife Radar and Safety Management Program for CEAT sponsored by the FAA and the OMP. [Click here to read more details...](#)

## **Graduate Students Win FAA Design Competition**

**May 2008**

The FAA Offices of Safety Services and Airport Safety and Standards, in partnership with AAEE, ACC, ACI-NA, and NASAO, sponsored a [Design Competition for Universities](#). UIUC and CEAT students won 1st, 2nd and 3rd place awards for the area of *Airport Operation and Maintenance*. The selection was made by a panel of FAA, industry and academic experts. [Click here to read more...](#)

## **CONFERENCES AND EVENTS**

### **Eighth International Conference on the Bearing Capacity of Roads, Railways, and Airfields**

**June 29 – July 2, 2009**

University of Illinois in Urbana, IL

<http://www.BCR2A.org>

### **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**

### **William Buttlar**

**August 2008**

Associate Professor William G. Buttlar, CEAT PI, promoted to the rank of Professor in the Department of Civil and Environmental Engineering at the UIUC.

### **Victor Cervantes**

**August 2008**

Graduate Student, Victor Cervantes, wins the B.F. McCullough Poster Award at the 9<sup>th</sup> International Conference on Concrete Pavements in San Francisco, CA

### **Edwin Herricks**

**November 2008**

FAA 2008 Excellence in Aviation Research Award awarded to Professor Ed Herricks as he contributes to new radar technologies for airports.

### **Chang Joon Lee**

**July 2008**

CEAT Ph.D. graduate, Chang Joon Lee, has accepted a position at the Korean Institute of Construction Technology (KICT). His last day in the CEE Department at UIUC was July 30, 2008. He has assisted on CEAT research projects over the past three years working with Professor Lange.

### **Erol Tutumluer**

**August 2008**

Associate Professor Erol Tutumluer, CEAT PI, promoted to the rank of Professor in the Department of Civil and Environmental Engineering at the UIUC.

### **Erol Tutumluer and Phillip Donovan**

**September 2008**

Professor Erol Tutumluer and Graduate Student, Phillip Donovan, awarded the TRB 2009 Geology and Properties of Earth Materials Section Best Paper Award, TRB paper No 09-2056.

## **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](mailto:dlange@uiuc.edu). For questions or comments, send email to Vicki Dixon: [vdixon@uiuc.edu](mailto:vdixon@uiuc.edu).