



## NEWS

### CEAT Graduates accept Industry and Academic Positions

Zach Grasley, Harkanwal Brar, Robert Rodden and Sal Villalobos graduated this summer 2006 from UIUC. Zach received his PhD and accepted a faculty position at Texas A&M. Harkanwal completed his MS and will start working with SRA International in Atlantic City, NJ this summer. Robert Rodden completed his MS and will be the Director of Technical Services at the American Concrete Pavement Association in Chicago. Sal Villalobos completed his MS and is working for Construction Technology Laboratories in Skokie, IL. [Click here to read more about the graduates...](#)

### OMP Program Review July 2006

CEAT Faculty and Research Assistants spent the afternoon on July 20 at the OMP offices for the semi-annual Program Review of the Center's OMP sponsored research projects. Presentations can be viewed on the CEAT website. [Click here to view the presentations...](#)

### OMP Summer Industry Interns

The Center coordinated a program which placed three undergraduate students to work in industry for the summer. The engineering firms affiliated with the O'Hare Modernization Program in the Chicago area contacted students directly through the CEAT's summer intern program. [Click here to read more...](#)

### FAA Summer Research Interns

The Center sponsored six undergraduate students to do research for the summer with the CEAT FAA sponsored projects. The student interns work directly with a CEAT Faculty Advisor and a CEAT Research Assistant, and the research work is conducted in the Newmark Civil Engineering Lab and at ATREL. Four of the students are underrepresented students in engineering working through the SROP Program. One student is with the IAESTE International Exchange, and one student is from Cali, Colombia. [Click here to read more...](#)

## RESEARCH BRIEFS

### New Wildlife Hazard Projects

CEAT's FAA Funded Research for Wildlife Hazards has increased with four new projects for 2006 and 2007. Prof. Ed Herricks is the Principal Investigator on the projects. The new projects are: Deployment and Operation of FOD Detection Radar; Deployment of Bird Radars at JFK and SEA; Research Support and Technical Guidance for the FAA Visual Guidance Program; GIS, Hazard Assessment, and Hazard Visualization as Components of Wildlife Management Program at Airports.

### Tech Note 22

Tech Notes offer a fast track to CEAT research. Tech Note 22 is entitled, "Construction and Material Cost Trends" by D. Lange. [Click here to learn more...](#)

### Tech Note 23

The latest Tech Note is entitled, "Effect of Large Maximum Size Course Aggregate on Strength Fracture and Shrinkage Properties of Concrete" by J. Roesler, C. Gaedicke, D. Lange, S. Villalobos, R. Rodden, and Z. Grasley. [Click here to learn more...](#)

## OUTREACH

### CEAT Outreach Event with Mc4West High School Construction Institute

On June 21, thirty-three high school students from Chicago City Schools visited the UIUC Engineering Campus for a day of planned activities within the Engineering Departments. The Center hosted the students for two hours of learning and hands-on activities with Civil and Environmental Engineering principals including Water Physics and the Affects of Materials. [Click here to read more...](#)

### Science and Engineering Discovery Program

On February 16, the Center Director, Prof. Lange, led a day of engineering activities with the University of Illinois WATERCAMPWS' Science and Engineering Discovery Program directed at reaching underrepresented students in the Chicago area. [Click here to read more...](#)

## **Brown Bag Lunch Seminar Series at OMP**

**August 24, 2006**

Jeff Roesler presents, "[Recycled Concrete Aggregate Concrete for Rigid Pavements at O'Hare](#)".

## **CONFERENCES AND EVENTS**

### **Transportation & Highway Engineering (THE) Conference**

**February 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**

### **John Popovics**

#### **2006 Rose Award for Teaching Excellence**

The Rose Award for Teaching Excellence is given for achieving excellence in undergraduate teaching and especially recognizes innovative teaching methods and instructional programs which motivate freshman and sophomore students to learn and appreciate engineering. Assistant Professor John Popovics is a PI on a CEAT OMP project and is a faculty member in the Structures Group within the Department of Civil and Environmental Engineering.

### **Jeff Roesler**

#### **Best Scientific Paper Award for the Year 2005 of the International Journal of Road Materials and Pavement Design**

The title of his paper is, "Effects of Temperature Curling on Airfield Rigid Pavement Responses" co-authored with Dulce Rufino, PhD 2003. Assistant Professor Jeff Roesler is a PI for CEAT OMP and FAA projects and is a faculty member in the Transportation Group within the Department of Civil and Environmental Engineering.

### **Sam Carpenter**

#### **Named inaugural Paul Fraser Kent Faculty Fellow**

Professor Carpenter is the first holder of this award. The Kent Faculty Fellow is a new designation for the funds established in the Paul Fraser Kent Memorial Fund in 1997 to provide support for the transportation engineering area. Carpenter is the most senior member of the Transportation Group within the Department of Civil and Environmental Engineering and is a PI for a CEAT FAA funded project.

## **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://cee.uiuc.edu/research/CEAT/>. For questions or comments, send email to Vicki Dixon: [vdixon@uiuc.edu](mailto:vdixon@uiuc.edu).