

# CEE @ Illinois



News from the Department of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign

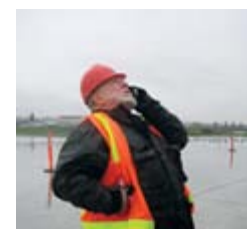


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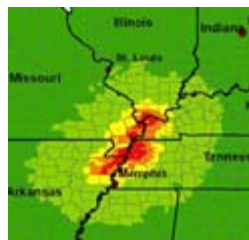
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## [New Technology Enhances Bird Radar Use at Airports](#)

One year ago, a plane's collision with a flock of birds during takeoff caused an emergency landing on the Hudson River in what is now known as the "Miracle on the Hudson" for its surprising lack of casualties. This month, Illinois researchers led by CEE Professor Edwin E. Herricks announced the commissioning of an advanced new bird tracking system that promises to improve wildlife management and overall safety at airports. The system was deployed at Seattle-Tacoma International airport in Washington State by the Federal Aviation Administration-designated Center of Excellence for Airport Technology within CEE at Illinois. [More about the bird radar system](#)



## [Mid-America Earthquake Center Releases FEMA Phase II Report](#)



The Mid-America Earthquake (MAE) Center, in conjunction with project partners at Virginia Tech and the George Washington University, recently completed an extensive earthquake impact assessment modeling effort in the Central United States to support the Federal Emergency Management Agency's New Madrid Catastrophic Planning Initiative. The study was the most regionally-comprehensive earthquake impact assessment ever completed in the U.S. The final report on this major research endeavor, "Impact of New Madrid Seismic Zone Earthquakes on the Central USA," is now available. [More on the MAE Center's Phase II Report](#)

## [Assistant Professor Nguyen Wins NSF CAREER Award](#)



Assistant Professor Thanh (Helen) Nguyen has won a five-year, National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award. With the goal of making wastewater reuse more cost-effective, especially for developing countries, Nguyen is studying how pathogen mobility and inactivation are influenced by surface interaction between pathogens and wastewater organic matter. Nguyen's research is focusing on *Cryptosporidium parvum* oocysts, waterborne pathogens that cause severe diarrhea in people and animals. CAREER grants are the NSF's most prestigious form of support for junior faculty. [More about Nguyen's award](#)

## [CEE Alumni Association 2010 Awards Announced](#)

The Civil and Environmental Engineering Alumni Association is pleased to announce the 2010 recipients of its Distinguished Alumnus/Alumna Award and Young Alumnus/Alumna Achievement Award. The Distinguished Alumnus/Alumna Award recognizes professional accomplishments or unique contributions to society by alumni of the department. The Young Alumnus/Alumna Achievement Award recognizes a recent graduate who has achieved distinction in his or her field and reached a level of accomplishment significantly greater than that of other recent



graduates.

[More about the 2010 CEEAA awards](#)

### [J. Tinsley Oden Delivers Newmark Distinguished Lecture](#)



John Tinsley Oden delivered the 2009/2010 Newmark Distinguished Lecture on Dec. 7. Oden is the Cockrell Family Regents' Chair in Engineering in the Department of Aerospace Engineering and Engineering Mechanics at the University of Texas at Austin, where he also serves as Associate Vice President for Research and founding director of the Institute for Computational Engineering and Sciences. The title of Oden's lecture was "Validation, Prediction, and Error Control in Multiscale and Multiphysics Modeling: Foundational Issues in Modern Computational Science."

[More about J. Tinsley Oden and the Newmark Distinguished Lecture](#)

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