



NEWS FROM THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING AT THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

discover CEE

- CEE Magazine
- CEE Research on IDEALS
- Research Highlights
- CEE Online
- Corporate Partners
- International 3+2 Programs

forward
to a friend

Read the
online version

CEE rankings

- Undergrad Civil
- Grad Civil
- Grad Environmental
- Undergrad Environmental

make
a gift online



NEWS FROM CEE AT ILLINOIS.....JULY 2013

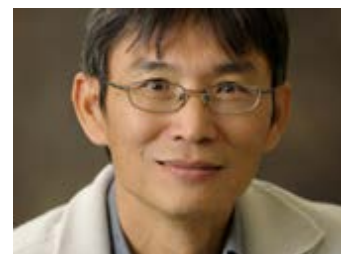


Rapid Response grants enable timely disaster research

In May, a tornado struck the Oklahoma City suburb of Moore, leaving a swath of devastation a mile wide and 17 miles long. Three days later, a bridge collapsed in Mount Vernon, Wash., sending two cars into the Skagit River. Within days, CEE researchers were on site at both locations, surveying the damage and gathering perishable information about the effects of the disasters. [More about the CEE Rapid Response grants](#)

Genome sequencing work illuminates microbial dark matter

The immense, invisible world of the earth's microbial life is being illuminated by an extensive project to sequence the genomes of microbes at the single-cell level. The work is a major advancement both for scientists and for environmental engineers who rely on microbial processes to treat contaminants in the environment, according to Professor Wen-Tso Liu, a co-author of a paper on the research published in the current issue of Nature. [More about the gene sequencing project](#)



Work will optimize rail car design for safer hazmat transport

Transportation and structural engineering researchers are teaming up to develop an analytical method to measure the safety

performance of railroad tank cars. Their techniques will be used to establish new industry standards to ultimately reduce the risk of transporting hazardous materials (hazmat) by rail. [More about the tank car design project](#)



New way to crowd-source design of green infrastructure

Designers of green infrastructure will one day have a way to optimize their designs for both environmental impact and public satisfaction, thanks to work by researchers led by Professor Barbara Minsker. The team is developing a novel computational design framework that integrates interactive, neighborhood-scale, collaborative design by multiple stakeholders – “crowd-sourced design” – with multi-scale models of ecosystem and human impacts. [More about the crowd-sourcing project](#)



New interdisciplinary program draws from philosophy, law

As the department welcomes its first Societal Risk Management (SRM) students this fall, it might surprise some to learn that critical foundational work for this cross-cutting academic program is being led by not only a civil engineer, but also a philosopher and a lawyer. Their goal: to pioneer a deeper understanding of the interdisciplinary issues of risk management related to ethics, justice and policy. [More about the SRM program](#)



Concrete canoe national competition hosted at Illinois

Concrete canoe teams from across the U.S. and as far away as Puerto Rico and Montréal gathered in Urbana-Champaign June 20-22 for the 2013 National Concrete Canoe Competition. The University of Illinois at Urbana-Champaign's own Boneyard Yacht Club was among the 23 teams competing. It was the first time the University of Illinois had hosted the national competition. [More about the competition](#)



All are invited to celebrate 50 years of CEE alumni board

In September, the department will celebrate the 50th anniversary of the establishment of its CEE Alumni Association Board of Directors. Events will include a special reception in the Yeh Student Center, a football game and a pre-game party at the Activities and Recreation Center. Registration is required. [More about the 50th anniversary celebration](#)



Summer 2013 CEE magazine now online

The summer 2013 CEE magazine is now online, featuring a special section on the brand new interdisciplinary program, Societal Risk Management. This issue also includes a feature on the Concrete Canoe National Competition, hosted in June at Illinois for the first time. [Read the summer 2013 CEE magazine online](#)



[Subscribe](#) | [Read Online](#) | [Forward](#) | [Unsubscribe](#)

The Department of Civil and Environmental Engineering
205 North Mathews Ave.
Urbana, IL 61801-2352

P: (217) 333-8038
F: (217) 333-9464
civil@illinois.edu