

CEE @ Illinois



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



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[Marcelo García wins Hunter Rouse and Horner awards from EWRI](#)

Professor Marcelo García has been selected by the Environmental Water Resources Institute (EWRI) to receive the 2012 Hunter Rouse Hydraulic Engineering Award "for outstanding contributions to the field of hydraulic engineering over 25 years, including research, teaching and service." He was also honored by EWRI with the 2010 Wesley W. Horner Award for the paper, "Modeling Framework for Organic Sediment Resuspension and Oxygen Demand: Case of Bubbly Creek in Chicago," Journal of Environmental Engineering, September 2010, with co-authors and CEE alumni Davide Motta (MS 08) and Jorge D. Abad (MS 02, PhD 08). [More about García](#)



[Recycling pavement materials promises greener future for transportation industry](#)

The aging of the nation's transportation infrastructure necessitates countless projects to repair, maintain and replace crumbling pavement. The recycling of road materials yields clear benefits to the environment and is more cost-effective, but it is not often put into practice due to uncertainties about the behavior of recycled materials and their effect on pavement durability, says CEE Professor Jeffery Roesler (BS 92, MS 94, PhD 98). Two current research projects promise to increase the viability of recycling road materials with the goal of making the concrete/asphalt products containing recycled materials last as long as those made with all new materials. [More about the research](#)



[Project increases seismic safety of building deep in urban areas](#)

As U.S. cities continue to expand, the most efficient option in crowded urban areas is often to build vertically, resulting not only in taller structures, but also in ones that take advantage of the more cost-effective underground space. This necessity in areas that are seismically active brings particular challenges, says CEE Professor Youssef Hashash. "With urban renewal, we are building very tall structures next to extensive underground structures in many U.S. cities, and we do not know how they will perform during large seismic events," he said. This is the central focus of a study funded by the Network for Earthquake Engineering Simulation. [More about the study](#)



[2012 CEE Alumni Association awards announced](#)

The Civil and Environmental Engineering Alumni Association is pleased to announce the 2012 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. The honorees will be recognized at the CEE at Illinois Alumni Dinner in Chicago on March 14. [Read more about the 2012 CEEAA awards](#)



[Professor Praveen Kumar invested as Lovell Professor](#)

Professor Praveen Kumar was invested as the Colonel Harry F. and Frankie M. Lovell Professor on February 3. Kumar joined the faculty in 1995. He is an expert in the use of computer models and informatics to increase our understanding of hydrologic processes over a range of space and time scales, with particular emphasis on understanding and modeling the complex non-linear interactions among processes. His research is developing a predictive understanding of the hydrologic cycle that integrates across ecosystems, climate and human impacts. [More about Kumar](#)



[Global Leaders in Construction Management visit Australia](#)

Students from the Global Leaders in Construction Management program got a look at the construction industry down under this winter when they visited Australia. The group toured construction sites and corporate offices in Sydney and Brisbane. An international trip is an essential feature of the two-year program, which prepares students to work in the increasingly global construction management industry. The trips help students understand the nature of construction work in other countries in a way that is not possible through classroom instruction. [More about the Australia trip](#)



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