

CEE @ Illinois



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



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[Undergraduate Earthquake Researchers Gather for NEES Symposium at Illinois](#)

The Illinois NEES Testing Facility in Newmark Lab hosted 28 student researchers in August for the NEES Young Researcher Symposium, the culminating event of a summer earthquake engineering research program for undergraduates. Sponsored by the National Science Foundation, NEES is the George E. Brown Jr. Network for Earthquake Engineering Simulation, a shared network of 14 unique experimental equipment facilities, collaborative tools, a centralized data repository, and earthquake simulation software. The summer program offers students from civil engineering, architecture, computer science and electrical engineering programs a chance to participate in research at NEES equipment sites. [More on NEES Young Researchers' Symposium](#)



[CEE Professor's Work Could Give Reconstructive Surgery a Face-Lift](#)

Professor Glaucio Paulino is part of an interdisciplinary research team that is using engineering design methods to model custom bone replacement implants for facial reconstruction surgery. The team applied the engineering design technique of topology optimization to the problem of fashioning replacement bones for facial reconstruction. The approach uses extensive 3-D modeling to design structures that need to support specific loads in a confined space, and is often used to engineer high-rise buildings, car parts and other structures. The researchers' work was published this summer in the Proceedings of the National Academy of Sciences. [More on Paulino's research](#)



[CEE at Illinois returns to Number One in U.S. News rankings](#)

U.S. News & World Report once again named the civil engineering undergraduate program at Illinois number one in their Best Colleges rankings in the category, Undergraduate Engineering Specialties: Civil. The University of Illinois ranked third in the category, Undergraduate Engineering Specialties: Environmental/Environmental Health. For the past 20 years, the department has hovered at or near the top spot in the civil engineering category. Proponents of the rankings say it is one of many useful sources of information for prospective students. The College of Engineering was ranked sixth this year in the category, Best Undergraduate Engineering Programs. [More links to the rankings](#)



[New Event Brings Students, Company Representatives Together](#)

An estimated 300 CEE students and company representatives gathered in the Newmark Lab crane bay over pizza and soda Tuesday evening, September 14, for the first CEE After Hours.

The new fall event is designed to give CEE students and company reps, most of them department alumni, an opportunity to mingle informally and make contact during the fall semester, contact that often results in summer employment, internships and jobs after graduation. CEE After Hours was initiated due to the overwhelming popularity of the CEE at Illinois springtime job fair with students and recruiters alike. [More about CEE After Hours](#)



[Sivapalan Selected for American Geophysical Union Hydrologic Sciences Award](#)

Professor Murugesu Sivapalan has been selected to receive the 2010 Hydrologic Sciences Award from the American Geophysical Union (AGU). He will be honored at the AGU Fall Meeting in San Francisco this December. The Hydrologic Sciences Award recognizes outstanding contributions to the science of hydrology. Sivapalan was cited for having made outstanding contributions to surface hydrology, especially in conceiving rigorous theoretical frameworks for addressing scale issues in hydrologic response, developing conservation laws for watershed-scale processes, and addressing the role of heterogeneity across a range of space and time scales. [More on Murugesu Sivapalan](#)



[Video Highlights CEE at Illinois' Research, Facilities, People](#)

A new video, "CEE at Illinois: Engineering for a changing world, and for changing the world," completed in August, highlights the department's research, facilities, faculty and students from a fresh perspective. The video is available for viewing in high definition on the department's new YouTube channel, as well as on the CEE home page. Closed captions are available. [View the new video on YouTube.](#)



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