

Department News

Schmidt named Diplomate of AAWRE

Arthur R. Schmidt, P.E., (BS 83, MS 84, PhD 02), Research Assistant professor, was recently named a Diplomate, Water Resources Engineer (D.WRE) of the American Academy of Water Resources Engineers (AAWRE), a subsidiary of the American Society of Civil Engineers (ASCE).



The American Academy of Water Resources Engineers was founded by members of ASCE's Environmental and Water Resources Institute to improve the prac-

tice, elevate the standards and advance the profession of water resources engineering. The D.WRE represents strong professional ethics and a commitment to lifelong learning and continuing professional development.

From 1983 through 1994, he worked as a Hydrologist for the United States Geological Survey. From 1994 through 1999 he worked in private practice as a consulting engineer specializing in water resources engineering. He joined the CEE faculty in August 2003. For more information about AAWRE's Diplomate, Water Resources Engineer certification program, visit www.aawre.org.

Associate Professor **Christopher P.L. Barkan** of the transportation engineering group and a former advisee, **Yung-Cheng Lai** (MS 04, PhD 08), are among authors



of a paper selected to receive the TA Stewart-Dyer/Frederick Harvey Trevithick Prize. The paper, entitled "Machine Vision Analysis of the Energy Efficiency of Intermodal Freight Trains," was published in 2007 in the *Journal of Rail and*

Rapid Transit. Lai is now an Assistant Professor at the National Taiwan University. Other authors include colleagues from the University of Illinois, and collaborators from the International Institute of Information Technology in India, and BNSF Railway. This research was part of Lai's Ph.D. work at U of I.

CEE student **Mark Denavit** received the American Council of Engineering Companies (ACEC) of Illinois' Frank H. Gorham ACEC-Illinois State Scholarship. The \$1,500 scholarship is awarded on the basis of academic excellence.

CEE student **Matt Eatherton** won the Diffenbaugh Fellowship. The award is given to graduate students who are or were residents of the State of Missouri. It provides a stipend of up to \$15,000 for the academic year, a full waiver of tuition, coverage of various fees, and basic dental and vision coverage.



Professor **Marcelo H. García** was named the 2009 Borland Lecturer in Hydraulics at Colorado State University's 29th Annual American Geophysical Union Hydrology Days in March. The lectureship

honors an outstanding individual in recognition of his or her contributions to the field of hydraulics.

Professor **Youssef Hashash** of the geotechnical engineering group has been named a recipient of a 2009 Xerox Award for Faculty Research in recognition of his



Page named finalist for prestigious prize

CEE student Martin Page, center—pictured here with College of Engineering Dean Ilesanmi Adesida, left, and Page's adviser, Professor Benito Mariñas—was one of eight finalists for the prestigious \$30,000 Lemelson-Illinois Student Prize, which recognizes outstanding student inventors. Page was recognized for taking the initiative to develop water treatment systems for people in developing regions who do not have access to safe drinking water. His main contribution, SoChlor, combines solar and monochloramine disinfection, which makes possible the rapid inactivation of viruses in waters containing ammonia, making SoChlor an excellent option for improving drinking water quality in developing regions.