Geological Engineering Update

By Craig H. Benson
Chair, Geological Engineering
benson@ engr. wisc.edu

GLE Alumni and Friends:
I am glad to bring you this update on the Geological Engineering Program, which has had an eventful year.

One of the highlights of 2007 is the re-accreditation of the BS GLE degree. The program was fully re-accredited this past year by ABET, the national engineering accreditation agency in the US. A degree from an accredited program is a requirement for licensure as a professional engineer. Thus, accreditation is critical to GLE. Special thanks are due to Professors Tuncer Edil, Dante Fratta, and Peter Bosscher, who toiled for numerous hours preparing the ABET review package.

Major changes in the GLE faculty are occurring. This past November, Professor Peter Bosscher passed away after a courageous battle with cancer. Peter was part of GLE from its inception and was the leader of UW’s Engineers Without Borders program. He will be missed greatly. Professor Bezalel Haimson retired in May 2007, and I will be moving on to an administrative position at the University of Washington in Fall 2008. While these changes will affect the GLE program, they also offer the opportunity for renewal and new growth. Along these lines, Dr. James Schneider of the University of Western Australia will join GLE as an assistant professor in Summer 2008. GLE is also partaking in a new faculty search underway within the College of Engineering.

We have great news regarding enrollments. We have by far the largest enrollment in GLE 171 (Introduction to Geological Engineering) in recent years. We believe this is a harbinger of the future, and we expect undergraduate enrollment in GLE to increase. Society’s interest in sustainability, which is a traditional characteristic of GLE training, is fuel for this growth in GLE.

The graduate program remains strong, with the quality of the MS and PhD students being the best in GLE’s history. We have a blend of domestic (2/3) and international (1/3) students representing 12 states and 7 nations. Our domestic students come from states ranging from Montana to Georgia, and our international students are from diverse countries such as Iran, Turkey, and Vietnam. Most of the graduate students have undergraduate degrees in GLE or Geology (or both).

The job market for graduates in GLE remains at an all-time high, which reflects the strong nationwide demand for engineers (and the shortage of available engineers). Graduates have been receiving multiple offers with very competitive salaries. The dual GLE-Geology degrees that our undergraduates obtain also are extremely popular with employers. Indeed, this is a good time to be graduating from GLE!

GLE would like to hear from you! Please let us know what is new in your life by emailing me at benson@ engr. wisc.edu.

Weeks Lectures and Speakers of Opportunity in 2007

February 2 – James Evans – Utah State University – Deformation, fluid-rock interactions, and chemical alteration in fault zones from the surface to 10 km+ depth; The links between earthquakes, geochemistry and structural geology.
February 9 – Naomi Oreskes – University of California-San Diego – Cold War scientists and the denial of global warming.
March 16 – Jim De Yeoreo – Lawrence Livermore National Laboratory – Biomolecular controls on directed nucleation and growth of calcite.
March 23 – Qusheng Jin – University of Oregon – Mobility of biogenic metal sulfide nanoparticles in natural environments.
April 13 – Zeshan Ismat – Franklin and Marshall University – Cataclastic flow: A means for ensuring ductility within the upper crust.
May 11 – Nigel Hughes – University of California-Riverside – Stratigraphic tests of the structure of the Himalaya: how Cambrian trilobites constrain Himalayan geology and uplift history.
September 6 – Bridget R. Scanlon – UT-Austin – Birdsall-Dreiss Distinguished Lecture
September 14 – Ken Hoffman – California Poly San Luis Obispo and UW-Madison

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