Dear CEE Alumni and Friends:

It is with great pleasure that I welcome you to the pages of our newly redesigned CEE magazine. Our plan is to publish this magazine two times a year to keep you abreast of the achievements and happenings both in the department and with our alumni. 2008 was an action packed year and 2009 promises to trump it! As I write this letter to you, the department is deeply engaged in a strategic planning process that is right on the heels of an internal review and an external department review. Over the next few months and years, outcomes from these activities will generate action plans and changes in the department that I believe will affirm our reputation as a long-established leader in the Civil and Environmental Engineering field. In these pages, we introduce you to recent faculty and staff hires and also highlight the significant achievements of our students and faculty.

As the department moves on from its strategic planning process, I invite you to become involved. There are many opportunities to interface with us; for example, volunteer to assist with our capstone design course, hire a U-M-CEE student as a summer intern, volunteer to participate in Civil and Environmental Engineering Friends and Alumni (CEEFA) events, and more. Please see pages 13-16 for past and future CEEFA activities, and take this opportunity to vote for the CEE professor who impacted you the most. In whatever capacity you choose to participate with the department, please know that your involvement is valued and needed.

As I learn more about the department, college and university, I have tried to meet and connect with as many of you as possible. I hope to meet more of you in 2009. In the mean time, we want to hear from you! Please use the form or email address listed on page 23 to get in touch, even if only to say hello, but preferably to tell us what you are up to, your recent accomplishments, and how you want to participate in department activities. Even better, call or stop by and say hi next time you are in the Ann Arbor area.

On behalf of the department, I want to wish you and your family a healthy and happy year.

With warm regards,

Nancy G. Love, Ph.D.
Professor and Chair
c ee-chair@umich.edu
(734) 764-8495
Research Highlights

Anna Michalak: It’s Not About Awards

Professor Anna M. Michalak, who has a primary appointment in CEE and a courtesy appointment in the Department of Atmospheric, Oceanic, and Space Sciences, has recently received several highly prestigious awards. In 2007, she was awarded the National Science Foundation CAREER Award for her project entitled “Development of Geostatistical Data Assimilation Tools for Water Quality Monitoring.” In 2008, she was the recipient of the McGraw-Hill/Association of Environmental Engineering and Science Professors (AEESP) “Outstanding Educator Award” for Outstanding Teaching in Environmental Engineering and Science. In November, she also learned that she had been selected to receive the Presidential Early Career Award for Scientists and Engineers (PECASE) – the highest honor bestowed by the U.S. government on outstanding scientists and engineers beginning their independent careers. She had been nominated by NASA, “for the development of innovative geostatistical approaches to the study of carbon cycling and global distributions of carbon dioxide; and outstanding contributions to science education.” Most recently, the U-M College of Engineering has selected her as the recipient of this year’s 1938E award, which is used to recognize one assistant professor in the College each year for outstanding teaching in both elementary and advanced courses.

While Dr. Michalak is pleased with the recognition the awards offer, she addressed the impact the awards have to her research. “It’s not about the awards. It’s the research aspect of what we do -- the tools are needed, the questions are getting attention. That is what is important.” Research fuels everything from increases in enrollments, grants, scholarships, endowments, and cutting edge discoveries. But regardless of the awards, Dr. Michalak recognizes the centrality of educating future engineers. “I take my teaching very seriously,” she said, “It is a real high if I am talking with students and they are really getting it.”

Dr. Michalak was raised in Montreal. She completed her undergraduate work at the University of Guelph in Canada and her graduate work at Stanford. She accepted the position at the University of Michigan, but deferred her appointment for a year after receiving a fellowship to do a post-doc at the National Oceanic and Atmospheric Administration (NOAA) in Boulder, Colorado.

Initially, Dr. Michalak’s research was focused on groundwater contamination, and the development of statistically-based tools for using infrequent and spatially sparse groundwater measurements to identify sources of contamination. During her post-doc, Dr. Michalak had the opportunity to explore her hunch that the tools she had developed for analyzing groundwater contamination could be applied to an even more pressing environmental problem: understanding the global carbon cycle, which is at the core of concerns about climate change. Said Dr. Michalak, “Now we are using measurements of carbon dioxide taken from around the world to track where all the sources and sinks of carbon are, so we can see where plants and oceans, for example, are taking up carbon, and where it is being released.”

“Not about the awards,” the awards certainly reflect what is important: making a difference. Indeed, Dr. Michalak’s research on water quality and climate change truly reflects “the Michigan difference.”

Information about Dr. Michalak’s research is available on the following web site: http://www.umich.edu/~amichala/.

“Not about the awards. It’s the research aspect of what we do -- the tools are needed, the questions are getting attention. That is what is important.”
Steven Wright: A Victim of His Own Success

Professor Steven Wright thought by now his 32-year academic career might be winding down. Instead, his career has taken him on an unexpected journey -- international ventures. Over the summer he completed a Fulbright in Chile, and in October, he traveled to Kenya to plant seeds for a new international study course and exchange program through the Mpala Wildlife Foundation. Said Dr. Wright, “I’m a victim of my own success.”

In January 2005, Dr. Wright met with Chilean colleagues during an NSF-sponsored Pan American Advanced Study Institute discussion. It was during this meeting that Dr. Wright received an invitation to do his 2007 sabbatical in Chile, to investigate hydropower issues.

It was also during this time when the Graham Environmental Sustainability Institute requested the development of a cross-disciplinary course with an international focus. Explained Dr. Wright, “The Graham Institute put out the request to develop a course with an emphasis on international environmental sustainability. I had discussed with members of the Graham Institute leadership team the idea of trying to do something that involved an exchange activity involving the University of Michigan and the University of Concepción. The course offered the opportunity to achieve this objective.” The result: a new course titled, “Sustainable Energy Development in South America,” which included a site-visit to Patagonia to see the proposed dam sites and meet with stakeholders who might be impacted by the decision to construct the dams.

“My perception,” said Dr. Wright, “is that the instability of natural gas imports from Argentina led to a strong desire to have a secure, internally-produced source of energy, and hydropower fits that description.” While there are few locations in Chile where hydropower could be developed, the companies that were invested in the project proposed to go to Patagonia. Continued Dr. Wright, “I suspect that this is primarily due to the fact that there is a lot of hydropower potential there and by getting their foot in the door with these initial projects, it opens up the potential for more development in the future.”

Eighteen U-M students signed up for the course and spent twelve days in Chile in collaboration with ten students from the University of Concepción. The U-M students represented multiple undergraduate disciplines with two CEE students in the group, Anjuli Jain and Meredith Neely.

Dr. Wright said that at times it felt like being in two places at once – teaching a course in the winter term at the University of Michigan and through distance learning at the University of Concepción. “This course I could not have taught fifteen years ago. I would not have had the perspective to do it in the way it needed to be done,” he said. This opportunity came at the right time for Dr. Wright professionally and despite the scheduling complexities, it worked out beautifully.

Dr. Wright hoped for two outcomes from the course. First, “when the students are done, they realize they can’t think about these problems through the lens of an American. Second, there aren’t any obvious solutions.” He said that some students initially thought that the solution was obvious but a good lesson to learn was that the issues turned out to be more complex. Sometimes just opening up the conversation, asking questions, and breaking the barriers between policy people, engineers, and the citizens affected, are huge successes. The work generated by the students in

PROGRESS:

As we have progressed through the course, I think it’s easy to see that the complexity of the energy crisis in Chile has emerged more and more. The more information we uncover, the more questions and uncertainties arise.”

“This invaluable experience has forced me to think and collaborate with students and professors of diverse backgrounds and cultures about a complex issue in Chile that reveals just how complicated the term ‘sustainability’ really is.”

“Working with students of different academic backgrounds has not only opened my eyes to new ways of thinking, but has made me sensitive to the problems of such diversity and has prepared me with strategies to overcome those problems as a group and draw on the unique strengths of each individual.”

“This really opened my eyes to how complex environmental systems and issues are, that hardly any issue is merely good or bad, and that the array of people affected is unimaginable.”

COMMENTS FROM STUDENT PARTICIPANTS:

“In the remaining year I have at U-M, the experiences and discussions on hydropower dams will affect the way in which I think of development issues in future classes by really making me assess situations with all disciplines in mind.”

“Working with students of different academic backgrounds has not only opened my eyes to new ways of thinking, but has made me sensitive to the problems of such diversity and has prepared me with strategies to overcome those problems as a group and draw on the unique strengths of each individual.”

“This really opened my eyes to how complex environmental systems and issues are, that hardly any issue is merely good or bad, and that the array of people affected is unimaginable.”
Patagonia was compiled in a presentation and report, detailing the problems and proposed recommendations, and given to the U.S. Ambassador to Chile.

“After [the students] came back,” said Dr. Wright, “I asked them to write down their experiences of the trip in a couple of paragraphs.” One student who took Dr. Wright’s course wrote, “I learned more in the ten days abroad than I have in any semester-long course. In preparation for the trip, Professor Wright ... gave us a broad understanding of the many factors involved in Chile’s hydropower debate. However, not until interacting with Chilean students and professors, seeing the landscapes that we could only talk about in Ann Arbor, and experiencing the culture of Chile, did I really start to internalize the breadth and complexity of the issue.”

“There is a big difference between studying a case from afar and actually seeing it with one’s eyes,” noted another student. “We had a chance to put into practice what we had learned.” Another student summarized their experience, “Our voyage to Chile marked the highlight of my college career...”

“If I ever feel discouraged,” said Dr. Wright, “I can read those comments and feel inspired.”

Information about Dr. Wright’s research is available on the following web site: http://www-personal.umich.edu/~sjwright/index.htm.
New Faculty Introductions

Nancy G. Love
Professor and Chair

The town, the people, and the school all have a familiar feel even though this is the first time Professor Nancy Love has ever lived or spent time in Ann Arbor. It is probably because she was born and raised in the upper Midwest. Originally from Northwest Indiana and with BS and MS degrees from the University of Illinois, the Department of Civil and Environmental Engineering’s new department chair is very happy to be back in the region where she began her life: amidst black soil, four real seasons and the Big Ten!

Her path to Ann Arbor has been rather circuitous but started not far from Michigan. Her family comes from the Lake County area in Northwest Indiana where her parents ran (and now brother runs) a family golf course business. In fact, it was her experience watching her father (now 82 and amazingly healthy) come off the courses caked in green “stuff” after spraying pesticides on the greens that led her to pursue a career in environmental engineering. Upon completing high school in the Northern suburbs of Chicago, Dr. Love moved “down state” to the University of Illinois where she spent six years earning her BS and MS degrees in Civil Engineering. A subsequent three year excursion west of the Mississippi River to work with CH2M Hill, Inc. in Dallas, Texas ultimately resulted in her decision to pursue a PhD degree with C. P. Leslie Grady Jr., a well-known leader in the field of her passion (biological wastewater treatment) who was located at Clemson University in South Carolina. If moving to Texas wasn’t culture shock enough for this northern girl, South Carolina certainly was! However, over the four years she spent in South Carolina, Dr. Love developed a fondness for the simplicity of southern culture and the beauty of the foothills that surrounded her. Even today, you will periodically catch her saying “ya’ll”.

Upon completing her PhD, she accepted a tenure-track position in the Department of Civil and Environmental Engineering at Virginia Polytechnic Institute and State University (Virginia Tech). Dr. Love spent 14 years at Virginia Tech, where she established her research reputation in the area of biological treatment processes and environmental biotechnology. Among her many accomplishments during that time were an NSF CAREER Award, winner of the Harrison Prescott Eddy medal from the Water Environment Federation, and selection as the inaugural recipient of the Paul L. Busch Award from the Water Environment Research Foundation.

In 2006, the University of Michigan came calling and it was perfect timing. Dr. Love was looking for a new opportunity, new challenges to grow personally and professionally, and was anxious to move closer to her family. She and her husband, Brian (also a professor in the College of Engineering at U-M), were also anxious to move forward with adopting a baby boy from Guatemala after a four-year medical delay. In addition to the fact that the University of Michigan was a much better fit for Dr. Love’s highly interdisciplinary research activities, Ann Arbor would offer more opportunities for her family than Blacksburg could.

Now, after a year on the job, Dr. Love has no regrets over the move. She finds the job as department chair to be as personally and professionally challenging as she anticipated. She finds the opportunities at the University of Michigan to be boundless. Indeed, she finds the CEE Department to be full of exceptionally talented students, staff and faculty with whom she is excited and honored to be a part. As her familiarity with Ann Arbor and the University of Michigan grows, she also looks forward to meeting more alumni and friends of the department and working together to enhance the opportunities at and reputation of the Civil and Environmental Engineering Department at the University of Michigan.
Adda Athanasopoulos-Zekkos: Giving “Dry” A New Look

Dr. Adda Athanasopoulos-Zekkos was born in Ann Arbor 28 years ago, when her father and mother came to Michigan from Greece. Her father, George Athanasopoulos, received his PhD from the University of Michigan’s (then) Department of Civil Engineering in 1981. (Her father is currently a professor of Geotechnical Engineering at the University of Patras, Greece, in the Civil Engineering Department.) She and her husband, Dimitrios Zekkos, another new faculty member in CEE, both earned undergraduate (Ptychion) degrees from the University of Patras in Civil Engineering and PhD degrees from the University of California at Berkeley.

“It’s a little surreal,” she said with a smile, about having the office right beside the one her father inhabited many years ago. As a matter of fact, it was a little surreal to her 39 undergraduate students, too. Explained Dr. Athanasopoulos-Zekkos, “They hadn’t changed the name yet [in the schedule], so my students were expecting a man…I am the first female professor in the geotechnical engineering program at U-M-CEE.”

While she finds her field exciting, Dr. Athanasopoulos-Zekkos recognizes the challenges of engaging others in the discipline. “Most of our projects are taken for granted,” Dr. Athanasopoulos-Zekkos explained. “People expect the bridge to be there, to function properly, and for the levees to hold. It is interesting to see the reaction when something fails.”

Unfortunately for civil engineering (and, indeed, for geotechnical engineering), the periods of highest funding are after disasters. However, the expanded funding window is brief and it usually closes within a couple years in lieu of other pressing priorities. In other words, society moves on. Although society’s memory of the significant negative impact that infrastructure disasters have can be brief, the need for research to improve infrastructure resilience in the face of disaster remains. It is this need that drives Dr. Athanasopoulos-Zekkos.

As a PhD student at Berkeley, Dr. Athanasopoulos-Zekkos focused her research on the static and dynamic response of earthen levees. In the middle of her graduate work, Hurricane Katrina devastated New Orleans due in large part to levee failures. The real-world connection to her own research work was both inspiring and instilled a strong sense of civic duty. She spent two months in New Orleans, working on the Independent Levee Investigation Team (ILIT), and several more months analyzing the data collected from the Katrina disaster. Dr. Athanasopoulos-Zekkos recalled, “My involvement in this investigation was a once-in-a-lifetime experience. It gave me the opportunity, not only to be involved in a project that required high-end field and laboratory testing and elegant numerical analysis, but also to participate in an effort to provide better guidance for the safer construction and maintenance of our nation’s flood protection systems.”

Although Dr. Athanasopoulos-Zekkos insists that her father did not put pressure on her to follow his career path, the fact that he was a civil engineer gave her complete access to the profession. She is currently conducting research on the non-linear response of earthen levees under dynamic loading (a continuation of her PhD work) and she will be working on developing tools for the assessment of soil-liquefaction induced displacements and the residual strength of liquefied soils.

In the fall, Athanasopoulos-Zekkos taught an upper-level undergraduate course, CEE 445, originally titled “Engineering Properties of Soils” (renamed “Geotechnical Engineering” for winter term). It serves as an introductory course to Soil Mechanics, a sub-discipline of Civil Engineering. This winter term she is teaching CEE 548, titled “Geotechnical Earthquake Engineering,” a graduate level course closely related to research she has done and will do in the future.

Said Dr. Athanasopoulos-Zekkos, “Geotechnical Earthquake Engineering has evolved significantly since its establishment as a scientific field about 40 years ago. However, there is still a lot to learn before the next big earthquake hits one of our nation’s cities. It is not a question of if, but a question of when our aging infrastructure will be tested.” And when that happens, Dr. Athanasopoulos-Zekkos and her students will be ready to respond to society’s most critical needs.

Information about Dr. Athanasopoulos-Zekkos’ research is available on the following web site: http://www.cee.umich.edu/people/faculty/Adda+Athanasopoulos-Zekkos,+Ph.D.

The Independent Levee Investigation Team Final Report can be found at: http://www.ce.berkeley.edu/projects/neworleans/.

“It’s a little surreal,” she says with a smile, about having the office right beside the one her father inhabited many years ago.
Dimitrios Zekkos:  
A Love for All Things Cultivated

“In Greece, by the age of 18 a person has to decide what he/she wants to be,” said recently appointed Assistant Professor of Civil Engineering, Dimitrios Zekkos. Students must study math, physics, chemistry, composition and the pressure is intense. To help him relax from his studies, he would read history, which provided a break from mathematics and numbers. His interest in history and the land was cultivated and nurtured by his storyteller grandfather, who told many stories about how earthquakes began and ended wars.

While Dr. Zekkos still has a love of history, his most exciting contributions have been focused on the future of engineering. Dr. Zekkos is the Managing Director of GeoEngineer Website (www.geoengineer.org), a Center for Information Dissemination on Geoenengineering that he founded in 2002. The website collects, classifies, and disseminates information of interest to geotechnical practicing engineers and researchers, and is visited by more than 100,000 people each month.

At first glance, you wouldn’t expect to find Dr. Zekkos sitting in front a computer, managing a website. He doesn’t come across formal at all and he even jokes about it. Laughed Dr. Zekkos, “I’m always in sweaters,” while his brothers, a financier and a lawyer, are always wearing suits. He is passionate about learning, exploring, teaching, continuing his research, and getting to know Ann Arbor. Said Dr. Zekkos, “The city already feels a lot like home. I like this place very much. It has all of the culture and arts of a big city. I wouldn’t change anything.”

Dr. Zekkos earned his undergraduate degree at the University of Patras in Greece, and his graduate degree from the University of California, Berkeley. He says that in California, where he and his wife, Dr. Adda Athanasopoulos-Zekkos (also a recently appointed CEE faculty member), went to graduate school, it is more a question of when, not if, the next major earthquake will hit. So why do people settle in earthquake-prone areas? Says an understanding Dr. Zekkos, “People get attached to places.” Fortunately, engineers find solutions that allow us to build safely in earthquake-prone regions.

Dr. Zekkos’ research interests are focused on landfills and earthquake engineering. Through his dissertation work, Dr. Zekkos is known for his novel attempt to characterize the changing physical properties of landfill materials with time. Because it is desirable to return landfills to productive use (as golf courses, parks, shopping centers, etc.) once full, it is important to be able to predict how stable landfill slopes are and will be over time. To study this, Dr. Zekkos is constructing a biologically-active landfill cell in his new research space, which is undergoing renovation and will be located next to the environmental biotechnology laboratories. In addition to his work with landfills, Dr. Zekkos is also interested in earthquake engineering and rock mechanics.

To learn more about Dr. Zekkos’ work, history and passions please visit http://www.cee.umich.edu/people/faculty/Dimitrios+Zekkos,+Ph.D.,+PE or his personal webpage at http://zekkos.thecivilengineer.org/.
Department News

Sherif El-Tawil Receives Promotion

Professor Sherif El-Tawil has been promoted to the rank of Professor with Tenure, effective September 1, 2008. Professor El-Tawil has established himself as an expert and leader in the area of simulation and visualization as applied to structural engineering, with applications that are specifically targeted toward mitigating the potentially catastrophic effects of severe loading on the built infrastructure. He has received several prestigious awards that recognize his significant contributions to the profession.

Professor El-Tawil has been a strong contributor to our teaching mission, and in the field through his service commitments. Perhaps most notably, Professor El-Tawil serves as the chair of the ASCE Technical Administrative Committee on Metals, which is the parent committee to nine national committees with a membership of more than 150 distinguished engineers and faculty members from around the world. In addition, he currently serves as Managing Editor for the Journal of Structural Engineering of ASCE.

Welcome New Staff!

Matt Blank came to CEE Undergraduate Student Services in May 2008 from the U-M Department of Physics, where he spent the past six years working in Student Services. Prior to working in Physics, he worked for U-M’s Plant Operations, Grounds Services division, helping to maintain the beautiful shrubs and flower beds on the Hospital and Medical campuses. Matt has lived in Ann Arbor for eleven years. Beginning with his days as a student in 1997, Matt has attended 77 consecutive Michigan home football games and is believed to “bleed Maize & Blue.”

Pat Brainard came to CEE in December 2008 from the Ross School of Business, where she managed a large group of faculty support staff for 3.5 years. She received her BS in Industrial/Organizational Psychology from Michigan State University and her MS in Healthcare Administration from Central Michigan University. She is certified as Senior Human Resources Professional with the national Society for Human Resources Management. She has combined her knowledge and experience to create and enhance programs in onboarding, succession planning, cross-training, team building, and performance management. Pat is an avid sports fan, particularly of hockey, and plays volleyball on a weekly basis.

Sherry Brueger joined the CEE staff in August 2008 in the area of Faculty Support for the department. Sherry has been a University of Michigan staff member for fifteen years, most recently as assistant to the associate deans at the Ross School of Business. Among Sherry’s numerous duties are support in the areas of classroom materials, travel reimbursements, visas for international visitors, faculty recruiting, and ordering supplies. Sherry’s positive attitude and excellent customer service make her a welcome addition to the CEE department.

Kimberly Gauss joined CEE in March 2008 with a primary focus of providing assistance to the CEE Department Chair. Although new to the University of Michigan, Kimberly has worked in higher education in various capacities since 1998. She has a BA in History from Lake Superior State University and a MA in History from Eastern Michigan University. In addition to her interest in history, Kimberly also enjoys science fiction and attending sci-fi conventions.

Kimberly Smith came to CEE Graduate Student Services in July 2008 from the U-M Department of Physics, where she spent the past seven years working as a Graduate Coordinator. Coincidentally, during her time in Physics, she worked with CEE’s new Undergraduate Services Coordinator, Matt Blank. Kimberly has a great fondness for children’s literature, especially Dr. Seuss and Kevin Henkes books. Most importantly, Kimberly has a grandiose sense of humor that can sometimes be heard near and far!
Roman Hryciw
Appointed Associate Department Chair

Professor Roman Hryciw has been appointed Associate Department Chair of CEE. In providing continuing leadership to the department in many areas, he will focus primarily on curriculum and space.

New Dual Degree Program Emphasizes Sustainability

As of fall 2008, a new Engineering Sustainable Systems (ESS) dual degree program is in effect. The program is designed to educate engineering students on the principles of sustainability and encourage them to integrate those principles into their work as professionals. It is the first such dual-degree program in the nation. Associate Professor Steven Skerlos (Mechanical Engineering, dry appointment in CEE) and Associate Professor Gregory Keoleian (School of Natural Resources and the Environment, dry appointment in CEE) are the co-coordinators of the program. Graduates will complete all of the requirements for two degrees: a Master of Science in Engineering and a Master of Science in Natural Resources and the Environment, a 54-credit-hour degree that will take between two and 2.5 years to complete.

The dual degree offers multiple tracks and has room to add more as curricula in the College of Engineering and SNRE evolve. Currently, the tracks are: Sustainable Energy Systems, Sustainable Design and Manufacturing Systems, Sustainable Water Resources, and Sustainable Water Quality Management. Drs. Steven Wright and Lutgarde Raskin helped develop the Sustainable Water Resources and Sustainable Water Quality Management tracks. The ESS dual degree program had five students enroll in the first year.

To learn more about the ESS dual degree program visit: http://www.snre.umich.edu/degree_programs/.

Tech Day 2008 at the Department of Civil & Environmental Engineering

On November 8, 2008, CEE participated in Tech Day, the University of Michigan College of Engineering’s annual fall event that invites prospective high school students and their parents to explore Michigan Engineering. This full-day event brings over 500 prospective students and their parents together on campus each year. It is a terrific opportunity for CEE to recruit some of the brightest high school students and college transfer students in Michigan. The department’s open house consisted of both morning and afternoon events. In the morning, two overview presentations were presented to parents. In the afternoon, the department hosted three groups of high-school students for an open-house visit of department facilities with hands-on demonstrations in several CEE laboratories. The department’s efforts were organized by Drs. Vineet Kamat (Construction Engineering and Management), Adda Athanasopoulos-Zekkos (Geotechnical Engineering), Dimitrios Zekkos (Geotechnical Engineering), Jerome Lynch (Structural Engineering), and Aline Cotel (Environmental and Water Resources Engineering). Keep an eye out for next year’s event and encourage any budding civil or environmental engineer to participate.

2008 Frank E. Richart Distinguished Lecture

On November 14, 2008, Dr. Richard Woods, Emeritus Professor and former Chair of CEE, presented the 2008 Frank E. Richart Distinguished Lecture titled, “Concept to Re-cycling – Soil Dynamics in Industry.” Dr. Woods’ lecture presented situations in industry where manufacturing processes create vibrations that either limit the precision to which specific parts can be produced or transmit vibrations to locations where high precision products or sensitive measurements need to be made. He cited examples of important design elements that can limit vibrations. For example, with appropriate design of foundations to accommodate unbalanced forces, vibrations often can be limited to allow extremes of vibration tolerance to exist in close proximity. Dr. Woods is a member of the National Academy of Engineers and is recognized for his research on applications of soil dynamics and geotechnical earthquake engineering to the design of foundations for vibration-sensitive and vibration-robust facilities.
Cotel and Semrau Work-Play Teams: Beautifying North Campus

CEE faculty, Associate Professors Aline Cotel and Jeremy Semrau, were members of the two first-place entries of the WorkPlay design competition. The competition presented an interdisciplinary challenge to create a public, interactive, educational and imaginative element that will contribute significantly to the social, cultural and physical environment of the North Campus. Dr. Semrau’s team developed a concept called C-ing Energy, which “focuses on seeing and using the energy around us.” Dr. Cotel’s team developed a concept called WorkPlay Ground, which is a “visual and musical collage of playscape architecture and sustainable engineering.” Both can be seen in the Powerpoint presentation of the Honorable Mention’s and Finalists at: http://www.artsonearth.org/workplay/.

Each team will now have the opportunity to develop their idea more fully and at least one, if not both, will be implemented after a more complete feasibility study and detailed design. We extend our thanks to Drs. Cotel and Semrau for their efforts in helping to make our campus a more pleasant and sustainable environment.

Peter Adriaens
--2008 President-elect, Association of Environmental Engineering and Science Professors
--2008 Mayor’s Outstanding Service Award, Dalian Institute of Technology, Dalian, China
--2009 Service Excellence Award, U-M College of Engineering

John G. Everett
--Congressional Gold Medal for his role as a member of the 1980 U.S. Olympic Rowing Team

Subhash C. Goel
--2008 Lifetime Achievement Award, American Institute of Steel Construction

Sherif El-Tawil
--2007 Walter L. Huber Civil Engineering Research Prize for notable achievements in research, American Society of Civil Engineers
--2008 Moisseiff Award, American Society of Civil Engineers (ASCE), for an outstanding paper for the Journal of Structural Engineering

Kim F. Hayes
--2007 Outstanding Paper Award, Association of Environmental Engineering and Science Professors (AEESP)
Vineet R. Kamat
--2007 Keynote Speaker, 7th International Conference on Construction Applications of Virtual Reality (CONVR)
Pennsylvania State University
-- 2007 Outstanding Young Alumnus Award, Department of Civil & Environmental Engineering, Virginia Polytechnic Institute & State University
--2008 Elected Secretary, American Society of Civil Engineers (ASCE) Construction Research Council
--2008 Technology Innovation Program Award, National Institute of Standards and Technology

Nancy G. Love
--2008 Rudolfs Industrial Waste Management Medal for noteworthy accomplishments in industrial waste management research, Water Environment Federation

Anna M. Michalak
--2007 NSF CAREER Award
--2008 PECASE Award
--2006 Outstanding Educator Award for outstanding teaching in environmental engineering and science, Association of Environmental Engineering and Science Professors (AEESP)
--2009 1938E Award for outstanding achievements in teaching, counseling, and service, U-M College of Engineering

Steven J. Wright
--2007 Outstanding Faculty Advisor, Great Lakes District of Chi Epsilon
--2008 Fulbright Scholar Grant
--2008 Honor Member, U-M Chi Epsilon

James K. Wight
--2008 Alfred Lindau Award for outstanding contributions to reinforced concrete design practice, American Concrete Institute
--2008 CEE Alumni Association Distinguished Alumnus Award, University of Illinois
--2008 Elected Corresponding Member, Academia de Ingenieria of Mexico (Mexican Academy of Engineers)
--2008 Siess Award for Excellence in Structural Research, American Concrete Institute

Lutgarde Raskin
--2008 Fellow, American Society of Civil Engineers (ASCE)

Jérôme P. Lynch
--2007 Best Paper Award, 6th International Workshop on Structural Health Monitoring
--2007 Henry Russel Award for a demonstrated impressive record of accomplishment in scholarship and/or creativity, as well as conspicuous ability as a teacher, U-M Rackham School of Graduate Studies
--2008 1938E Award for outstanding achievements in teaching, counseling, and service, U-M College of Engineering
--2008 NSF CAREER Award

Victor C. Li
--2007 Best Paper Award,
# CEEFA

## CEEFA President’s Letter

As I am sure you've heard by now, the Department of Civil and Environmental Engineering has a new chair. Professor Nancy Love comes to us from Virginia Polytechnic University (a.k.a. Virginia Tech), and is a very enthusiastic and easy person with whom to talk. Professor Love has brought new and exciting ideas with her - to energize both the department and its alumni.

In the coming years we will see different attempts to reach out to the alumni, bringing us closer to our academic ties, and encouraging us to share our talents and resources with the CEE department. It will be up to us to take advantage of these opportunities, and I encourage all of you to join me in supporting our department, our new chair and our University. We all will gain from the experiences.

Interim Chair Roman Hryciw performed an outstanding job during his short tenure at the department’s helm. On behalf of CEEFA, I would like to thank Professor Hryciw for both his time and his support of the CEEFA group.

CEEFA offers an opportunity to stay “in the loop.” We worked hard to get a degree from one of the most prestigious programs in the country. CEEFA lets us give back so we can help our University, Dean Munson, and Professor Love keep the CEE department ranked among the best.

Enclosed is a 2009 CEEFA dues form. Please fill it out and return it with your $20 fee.

In closing, a note: There will be new activities coming to the CEE department. Consider how you can take advantage of these opportunities—while giving back to your University. You are welcome to contact me at walix@hrce-engr.com with any comments, thoughts or suggestions. I look forward to hearing from you.

Go Blue!!

Walter H. Alix, P.E., P.S.
CEEFA President

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### CEEFA Board Members

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Term</th>
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<tbody>
<tr>
<td>CEEFA President</td>
<td>Walter Alix</td>
<td>2009</td>
</tr>
<tr>
<td>CEEFA Vice President</td>
<td>Jennifer Macks</td>
<td>2009</td>
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<tr>
<td>CEE Dept Chair</td>
<td>Nancy Love</td>
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<td>CEEFA Directors</td>
<td>Tom Newhof (2008)</td>
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<td>Dan Sinnott (2009)</td>
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<td>Earl Howard (2010)</td>
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## CEEFA Board Ballot

The CEEFA Board presents the following nominated candidate for Director on the CEEFA Board. Please vote for either the nominated candidate or write in an alternative. Only dues-paying members are permitted to vote. Deadline: March 20, 2009.

<table>
<thead>
<tr>
<th>POSITION</th>
<th>NOMINEE</th>
<th>YOUR VOTE</th>
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<tbody>
<tr>
<td>Director</td>
<td>Chris Kipp</td>
<td>____________</td>
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<tr>
<td>(3-year term ending 2011)</td>
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Write in: _________________________

Please return this ballot to:
University of Michigan
CEEFA, Dept of Civil & Environmental Engineering
2350 Hayward Street
2340 GG Brown
Ann Arbor, MI 48109-2125

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### 2009- 2010 CEEFA DUES FORM

Name: ____________________________
Address: ____________________________
Phone: ____________________________
E-Mail: ____________________________

Please send this completed form with your $20.00 check or money order payable to University of Michigan—CEEFA:

University of Michigan
CEEFA, Dept of Civil & Environmental Engineering
2350 Hayward Street
2340 GG Brown
Ann Arbor, MI 48109-2125
Alumni Activities

Camp Davis Reunion

On September 26, 2008, several CEE alumni, spouses, family members and friends gathered to share memories and stories about Camp Davis. Historically, Camp Davis, a 120-acre spot on the Hogback River, south of Jackson, Wyoming, provided an appropriate location for engineering students to learn and practice surveying. The reunion was held in the Blue Lounge of the GG Brown Building on the University of Michigan North Campus. Among the attendees were Eugene and Marie Glysson, Edward and Jenni Glysson, Pearl Graves, Carl and Joan Denk, Tom and Greta Newhof, Bill and Ann Richardson, Bill and Pat Townsend, Robert Bednas, Dan and Jackie Danielson, David and Helene Despres, Leo and Kathy Legatski, Eduardo Munoz Perou and Cristina Sunstrum, Gerald and Mary Ann Pruder, Allen Suggitt, Young Kim and Betty Zuckerberg, and Joe and Karen O’Neal. The event included dinner, a slide show presentation by Eugene Glysson and Tom Newhof, and a video presentation by Bill Richardson.

For more information on Camp Davis, please visit: http://www.engin.umich.edu/newscenter/pubs/engineer/04SS/education/innovation/davis.html.
The CEEFA Board invites you to nominate a CEE faculty member for a new faculty award. When you look back at the instruction that you received from CEE faculty during your time as a student, is there a faculty member whose teaching has been proven most valuable to you in your career? If so, please take this opportunity to recognize that individual by nominating him or her for the first annual CEEFA Faculty Award.

Please submit a letter of nomination to the CEEFA Board President. Nominations can be submitted to Walter Alix’s attention at the following address:

CEEFA
University of Michigan
Dept of Civil & Environmental Engineering
2350 Hayward Street
2340 GG Brown
Ann Arbor, MI  48109-2125

You may fax your nomination to CEEFA at 734-764-4292, or send email to JanetL@umich.edu.

Deadline: March 20, 2009
25th Annual CEEFA Tailgate Brunch

On September 27, 2008, CEEFA held its 25th annual Tailgate Brunch on the grounds of the Argus Building owned by U-M alumni, Joe and Karen O’Neal. Over 100 alumni, families and friends, CEE faculty, students and staff attended the event. Attendees were treated to a splendid buffet catered by Afternoon Delight that included fresh fruit, sandwich wraps, hot entrees and smoked salmon. Professor Emeritus Jonathan Bulkley arrived in style in his beautifully restored 1964 Morgan and took CEE Professor and Chair Nancy Love for a ride. Attendees of the football game witnessed Michigan rally from a nineteen point third quarter deficit to finish with a thrilling 27-25 comeback win over Wisconsin. A great time was had by all!
Student Awards

CEE Department Alumni and Student Recognition Awards Ceremony

Michigan Engineering Homecoming Weekend events were held on October 2-4, 2008. On Friday, October 3, the CEE Department hosted an alumni lunch, and Frank Transue (CEE ’64, ’66), Chairman, Walker Parking Consultants, gave a brief talk. Mr. Transue is CEE’s 2008 Alumni Society Departmental Merit Award recipient.

In conjunction with Mr. Transue’s visit to the CEE Department, a new tradition was introduced—the first annual CEE Department Student Recognition Awards Ceremony. CEE scholarship recipients were honored in a ceremony hosted by Nancy Love.

CIVIL AND ENVIRONMENTAL ENGINEERING FRIENDS ASSOCIATION FELLOWSHIP
Kim, Jongho

FRANK J. LEMPER SCHOLARSHIP FUND IN CIVIL ENGINEERING
Shoemaker, Nathan R.

ROY D. CHAPIN SCHOLARSHIP FUND
Martel, Tabetha A.

WILLIAM COLON LEMON SCHOLARSHIP AND LOAN FUND
Vanduinen, Bryan J.

LT. COLONEL ROBERT J. PFOHMAN MEMORIAL SCHOLARSHIP FUND
Caleca, Benjamin K.

EDWARD V. SCHULHAUSER SCHOLARSHIP FUND IN CIVIL ENGINEERING
Ho, Genevieve E.

JACK A. BORCHARDT FELLOWSHIP FUND
O’Connor, Sean M.

H. CARL AND DOROTHY J. WALKER GRADUATE CIVIL ENGINEERING FUND
Cook, Mitchel B.
McGovern, Terrence M.
Munoz, Heather R.

Student scholarships are due to the gracious gifts provided by our alumni and friends

CIVIL ENGINEERING SCHOLARSHIP
Carlson, Clinton P.
Conkle, Sarah M.
Cook, Mitchel B.
Corbin, Nicholas J.
Dean, Heather L.
Graf, Walter F.
Guisbert, Stephanie A.
Hepker, Colin M.
Palladino, Christopher M.
Smith, Ashley C.

RAYMOND C. HURT SCHOLARSHIP IN CIVIL ENGINEERING
Gabris, Andrew J.
McGovern, Terrence M.
Moncznik, Adam P.
Munoz, Heather R.

WILLIAM S. HOUSEL MEMORIAL SCHOLARSHIP FUND
Wagner, Adam C.

STEELE AND MILDRED BAILEY SCHOLARSHIP
O’Connor, Sean M.
Warren, Robert J.

2007-2008 Student Awards

Rita Awwad
(advisors: Photios Ioannou & Vineet Kamat)
--2008 Distinguished Academic Achievement Award – Graduate, College of Engineering (CoE)

David Berry
(advisor: Lutgarde Raskin)
--2008 STAR Fellowship, Environmental Protection Agency (EPA)

Claire Carpenter
--2008 Marian Sarah Parker Undergraduate Prize, College of Engineering (CoE)
Abhishek Chatterjee  
(advisor: Anna Michalak)  
--2007 Rackham International Students Fellowship  
--2008 Distinguished Leadership Award – Graduate, College of Engineering (CoE)

Kapil Khandelwal  
(advisor: Sherif El-Tawil)  
--2007 O.H. Ammann Research Fellowship Award, Structural Engineering Institute (SEI)  
--2008 Moisseiff Award, American Society of Civil Engineers (ASCE)

Kenneth Loh (above) & Tsung-Chin Hou (not pictured)  
(advisor: Jerome Lynch)  
--2007 Best Paper Award, 6th International Workshop on Structural Health Monitoring

Jeremy Guest  
(advisor: Nancy Love)  
--2008 Fellowship, Graham Environmental Sustainability Institute (GESI)

Jongwon Lee  
(advisor: Russell Green)  
--2008 Outstanding Student Instructor Award Honorable Mention, U-M Student Chapter of the American Society for Engineering Education (ASEE)

Philip Park  
(advisor: Sherif El-Tawil)  
--2007 Rackham International Students Fellowship

Monica Higgins  
(advisor: Terese Olson)  
--2008 Fellowship, National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc. (GEM)

Mo Li  
(advisor: Victor Li)  
--2008 Outstanding Student Instructor Award Winner, American Society for Engineering Education (ASEE)

Mustafa Saadi  
(advisor: Vineet Kamat)  
--2008 Scholarship Award, Phi Kappa Phi U-M Chapter  
--2008 Outstanding Electee Award, Tau Beta Pi U-M Chapter

Craig Tenney  
(advisor: Christian Lastoskie)  
--2007 Third prize for Best Graduate Student Paper, Environmental Division of the American Institute of Chemical Engineers (AIChe) presented at the AIChe annual meeting

Hans Tritico  
(advisors: Aline Cotel & Paul Webb)  
--2008 Rackham Predoctoral Award

Giridhar Upadhyaya  
(advisor: Lutgarde Raskin)  
--2008 Antenore Davanzo Scholarship, Michigan Water Environment Association

Not pictured: Stephanie Guisbert—2008 Tau Beta Pi Award, CoE; and William Jacobs—2008 Distinguished Academic Achievement Award – Undergraduate, CoE

--2008 Fellowship, Earthquake Engineering Research Institute/ Federal Emergency Management Agency (EERI/FEMA)

David Saffter  
(advisor: Russell Green)
CEE Graduate Student Receives Astronaut Scholarship Foundation Award

On September 26, 2008, University of Michigan alumnus and astronaut, Jim McDivitt, presented CEE graduate student, Heather Munoz, with the Astronaut Scholarship Foundation award. The Astronaut Scholarship is the largest monetary award given in the United States to science and engineering students based solely on merit. In addition to presenting Munoz with a $10,000 check, McDivitt gave a speech focused on his experiences as an astronaut and spoke on the importance of risk taking.

McDivitt received his U-M bachelor’s degree in aeronautical engineering in 1959, graduating first in his class. NASA selected him as an astronaut in 1962, and three years later he commanded the first space walk mission, Gemini 4. In 1969, McDivitt commanded Apollo 9, which orbited Earth for ten days and tested the Lunar Module (LEM) for the first time in Earth’s orbit.

“I am pleased to present Heather with the Astronaut Foundation Award,” said McDivitt. “Heather is a bright, up-and-coming forerunner in the field of structural engineering, and I feel honored to pass this award on to her so that she will be able to continue the United States’ great tradition of excellence in the science and engineering fields.”

Said Munoz, “I am extremely honored to be presented the Astronaut Foundation Scholarship by Astronaut Jim McDivitt. I am thankful I was able to enjoy the presentation with the family, friends, and professors who have supported me through my academic career. Astronaut McDivitt’s stories and accomplishments will be a big inspiration as I complete my studies and as I strive to make the ASF proud of selecting me as a recipient. Plus, the huge cardboard check will make a great memory!”

Sponsors included the U-M departments of Civil and Environmental Engineering, Atmospheric, Oceanic, and Space Sciences, and Aerospace Engineering, and the Astronaut Scholarship Foundation. To learn more about the Astronaut Scholarship Foundation, go to www.astronautscholarship.org/.

Student News

American Society of Civil Engineers (ASCE) Update

This year the ASCE is planning numerous events, both fun and professional. There are many events that the department has come to love and expect such as speaker meetings, the career fair, intramural sports, social nights and Tech Day, among others. Some new additions to the list of activities include a visit to the Ann Arbor Hands-on Museum, volunteering for Habitat for Humanity, and even more events fostering casual networking with alumni and faculty.

One major change for this year has been the date of the ASCE career fair. In order to encourage more student and corporate participation, the fair was moved from the traditional February date to November 14th. Students will now be able to take advantage of the career fair to help build those crucial connections with companies earlier in the job hunt season.

This year has also brought an addition to the ASCE officer board in the form of a technical communications chair. Our website now contains an up to date link to our events calendar, officer contact information, and other important news. Cosmetic updates will also be made throughout the year. Feel free to stop by the website at www.engin.umich.edu/soc/asce to stay informed of ASCE news and find out how you can be more involved in the CEE department.

Tabetha Martel
ASCE President
Michigan Concrete Canoe Team

The concrete canoe regatta is an annual competition to encourage undergraduate involvement in advanced research, project management, and intercollegiate competition. The competition is sponsored by the American Society of Civil Engineers and Master Builders, Inc. The concrete canoe team designs a new canoe each year and also writes a detailed design report and presents their work in a multi-media presentation. Said CEE graduate student Heather Munoz, “Basically, we have fun making concrete float!”

The 2008 Maizin’ Race was the name of last year’s canoe. The team who built it competed in the ASCE Regional Competition in April, and won third place in the women’s sprints and fourth place in the co-ed sprint. The 2009 Michigan Concrete Canoe Team had an introductory meeting in September 2008. It has approximately 20 members, made up of students from civil and environmental engineering, chemical, industrial, and operations engineering, as well as naval architecture and marine engineering. The two co-captains are Heather Munoz and Russell Hinkle. The main goals, says Munoz, “are to increase overall finished product appearances and to organize a concrete mix with innovative ‘green’ aggregates.”

If you are interested in supporting or joining these efforts, or have any questions, please feel free to contact the officers at mcct@umich.edu or go to the website at www.engin.umich.edu/team/canoe.

Steel Bridge Team

Since 1991, the American Institute of Steel Construction (AISC) has sponsored a nation-wide college competition in which students design, fabricate, and construct a 1:10 scale bridge from magnetic steel. The competition is a great opportunity for engineering students to gain design and “real life” experiences while working as a team. CEE’s Steel Bridge Team won the National Championship in 2003 and the Regional Championship in 2005.

This year’s team has held several design meetings, completed models in RISA 3-D, and completed team ‘mini projects’ – including rough cutting, milling, grinding and welding. Jason McCormick, faculty advisor, said, “The team is now working on fabricating components for the final bridge.” The Steel Bridge Team will compete in the regional competition on Friday, April 3, 2009, at Lawrence Technological University. We hope you will come out and cheer them on!

If you are interested in supporting or joining these efforts, or have any questions, please feel free to contact the officers at steel-bridge@umich.edu or visit www.engin.umich.edu/soc/sbt/.
Earthquake Engineering Research Institute (EERI) Student Chapter

The University of Michigan EERI Student Chapter has already been quite active this year. Like our national organization, we work to encourage the exchange of ideas among various fields involved with earthquake-related studies. As part of that effort, our student chapter hosts visiting scholars from a variety of backgrounds who present their work to the students and faculty in our department. In the fall semester, we were fortunate to host three very distinguished speakers, beginning with Professor Reginald DesRoches, Professor and Associate Chair at the Georgia Institute of Technology. Professor DesRoches spoke to our chapter about recent research he has done on the reliability of infrastructure systems in Charleston, South Carolina. Shortly following that presentation, University of Michigan alumnus Dr. Luis Fargier Gabaldon, who is the founder and director of Spectrum Engineering as well as an Adjunct Professor at the Universidad de los Andes, spoke to our group about recent earthquake related design projects that he has been involved with in Venezuela. Most recently, the CEO of NEESinc and Professor Emeritus at the University of Kansas, Professor Steve McCabe, came to speak about the history and future of the NEES program, a National Science Foundation program that has revolutionized earthquake engineering research in the United States in recent years.

Our chapter is excited about several more distinguished guests that we are planning to host in the coming months. Among these are Professor Liberto Ferrara, who is an Assistant Professor at Politecnico di Milano, and Dr. Ronald Eguchi of ImageCat, Inc, who is the 2008 EERI Distinguished Lecturer.

The other major project that our chapter is working on to help encourage an exchange of ideas within our community is the second annual Civil and Environmental Engineering Research Symposium (CEERS-09), which we plan to hold in April, 2009. Last year, the Graduate Environmental Engineering Network of Professionals, Educators and Students (GrEENPEAS), the Michigan Chapter of Chi Epsilon, and the American Society of Civil Engineers (ASCE) Student Chapter joined the Civil and Environmental Engineering Department and our EERI Student Chapter in organizing a day long event featuring oral and poster presentations showing off the breadth of research done in our department. We were very pleased with the quality and quantity of participation, and are looking forward to building on this success.

If you are interested in supporting or joining these efforts, or have any questions, please feel free to contact the officers at eeri-officers@umich.edu.

Remy Lequesne, President

In addition to pledge related community service, every semester Chi Epsilon administers a review program for the FE examination. The Chi Epsilon Special Projects Coordinator, Clinton Carlson, has organized eight review sessions for the 2008-2009 academic year. Professors and Instructors from various Engineering departments have volunteered to cover each of the topics included on the exam.

Nicholas Corbin, President

Graduate Environmental Engineering Network of Professionals, Educators and Students (GrEENPEAS)

GrEENPEAS hosted the annual EWRE Welcome Day on September 20, 2008, which was very successful in fostering the social network among EWRE graduate students and introducing new students for Fall 2008. Also on September 20, GrEENPEAS members volunteered with Huron River Watershed Council for their September River Roundup, collecting macro-invertebrates to determine the health of our streams. On October 3, GrEENPEAS hosted an informational talk by U-M alumnus Ray Tremblay, who discussed his position at Los Angeles County Sanitation District and potential opportunities for graduating students.

This fall, GrEENPEAS joined the Michigan Water Environment Association (MWEA) and Michigan Section of the American Water Works Association (MI AWWA), becoming an official student chapter. Through a joint membership opportunity, students are able to join both AWWA and WEF and increase their exposure to the water quality community of practice.

Monica Higgins, President

Chi Epsilon

2008 has been another eventful year for the Michigan chapter of Chi Epsilon, the civil engineering National Honor Society. Last March, several students traveled to the National Conclave in Hoboken, New Jersey. Conclave attendees took part in making key administrative decisions; CEE Professor Emeritus, Dr. Eugene Glysson, was reelected as Great Lakes District Councilor. In addition, students had the opportunity to hear several speakers from diverse backgrounds within the civil engineering community. This upcoming spring, the bi-annual Great Lakes District Conclave will be held in Cincinnati, Ohio.

To be eligible for membership into Chi Epsilon, students must have a GPA in the upper third of their class and possess junior or senior credit standing. Pledges must participate in multiple volunteer activities, including invasive species removal on North Campus, as well as assisting with Tech Day and the civil engineering Career Fair.

Monica Higgins, President
Mike Alizadeh (MSE, ’59)
Mike Alizadeh died on August 25, at the age of 75. He was born in Iran and graduated from Tehran University with a degree in civil engineering. He earned his master’s degree from the University of Michigan in 1959. He worked as a civil and structural engineer in St. Louis, Missouri, for more than forty years. In 1984, Alizadeh founded Geotechnology, Inc., and served as its president until 1996 and its executive officer until 1996. Last year, his family established the Mike Alizadeh Graduate Studies Scholarship Fund, as part of ASCE’s St. Louis section. Alizadeh is survived by his wife, three children, and four grandchildren.

Peter Bosscher (PhD, ’81)
Peter Bosscher, engineer and professor, passed away on November 18, 2007. A Michigan native, Bosscher was involved in family projects—which included smashing bottles for the first recycling program in Grand Rapids, building a summer camp for inner-city youth in rural western Michigan, and hosting international students attending Calvin College. Bosscher became a Calvin College student in 1971. He spent the summer of 1975 in Fort Chaffee, Arkansas, teaching English to Vietnamese refugees, several of whom became life-long friends. He went on to the University of Michigan where, in 1981, he received his PhD in civil engineering.

From Ann Arbor he moved with his family to Madison, where he taught civil and environmental engineering at the UW-Madison. His professional expertise was in geotechnical engineering and civil engineering materials, his career was defined by a passion for helping people. In 2002, he initiated a chapter of Engineers Without Borders (EWB) at UW-Madison. It was the joy of his professional life to see engineering students, including his son, Nate, transform as they used their skills and energy to make a difference in Ecuador, Costa Rica, Thailand and—most particularly—the community of Muramba, Rwanda.

Boscher is survived by his wife Marcia, four children, his parents, and siblings, nieces, nephews, friends and colleagues.

The Peter J. Bosscher Engineers Without Borders (EWB) Fund has been established at the University of Wisconsin Foundation. Contributions should be designated to the fund and sent to UW Foundation, 1848 University Ave; Madison, WI, 53708-8860. The fund will assist disadvantaged communities to improve their quality of life through implementation of environmentally and economically sustainable engineering projects, while developing internationally responsible engineering students.

Barney Lee Thomas (MSE, ’06)
Barney Lee Thomas, died on November 10, 2007. He attended Notre Dame University where he received his bachelor’s degree in civil engineering. In 2006, he earned his master’s degree in engineering from the University of Michigan.

Thomas was an avid runner, competing in 21 marathons, including the Boston Marathon. He was trying to become a member of the Seven Continent Club—and he had competed in marathons in Australia and Antarctica before his illness. Thomas was a member of the Ann Arbor Running Club; he enjoyed coaching youth baseball for many years in Ft. Meyers, Florida; and he was a part of the Big Brothers and Sisters organization. Thomas had been a member of the American Society of Civil Engineers for more than 25 years. He served as an active member of Habitat for Humanity.

2007-2008 Obituaries (by year of graduation)
Daniel Finley, BSECE 1931, December 15, 1997, at age 90.
David J. Hall, MSCE 1945, February 2, 2008, at age 93.
Bernard A. Ross, BSECE 1946, August 7, 2008, at age 83.
Robert M. Ross, BSECE 1948, February 21, 2008, at age 82.
Charles E. Haley, BSECE 1950, August 1, 2008, at age 84.
Bruce D. Green, BSECE 1951, February 2, 2008, at age 84.
George W. Francis, Jr., BSECE 1952, June 30, 2008, at age 82.
David Bruce Cherry, BSECE 1957, August 15, 2008, at age 74.
Chen Ying Wang, MSEE 1957, August 17, 2007, at age 90.
Alumni Updates

Alumni Achievements

Frank Transue (CEE ’64, ’66) Chairman, Walker Parking Consultants, was CEE’s 2008 Alumni Society Departmental Merit Award recipient. Mr. Transue has more than 38 years of experience developing parking projects for corporations, retail centers, universities, government and medical institutions. He has proven experience in civil and structural engineering, cast-in-place, post-tensioned, precast/prestressed concrete, parking consultation and planning of parking projects from inception to operation.

Shortly after graduating from U-M, Mr. Transue joined Walker Parking Consultants and worked in project management design and office management. He founded and managed the Chicago office from 1972 to 1983. Eventually, Mr. Transue was elected president, appointed chief executive officer, and elected chairman of the board of directors. He currently resides in Elgin, Illinois, with his wife Brooke (see photo). They have three grown children.

Tanju Karanfil (CEE ’91, ’95) Professor of environmental engineering and earth sciences at Clemson University, has been named chair of the department. Dr. Karanfil completed his undergraduate work at Istanbul Technical University, and received his Master’s and PhD from the University of Michigan. Dr. Karanfil’s primary teaching and research explores the use of carbon fibers for removing pollutants from water to develop new, more efficient treatment systems. He is a recipient of the National Science Foundation Early CAREER Award, and is active in a number of professional organizations, including the American Chemical Society, the American Water Works Association, and the International Association on Water Quality.

We would like to hear from you!

Please send your updates and announcements (i.e., marriage, births, awards and recognitions) by email to JanetL@umich.edu or by mail to the address below.

University of Michigan
Dept of Civil & Environmental Engineering, Alumni Updates
2350 Hayward Street
2340 GG Brown
Ann Arbor, MI 48109-2125

Please be sure to include the following information:
Name:
Address
Phone:
E-Mail:

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Coming Events

Friday, April 3, 2009
CEE Research Symposium
CEEFA Spring Meeting and Technical Session

Thursday, April 16, 2009
ASCE Alumni, Faculty and Student Recognition Reception

Please see the following web page or call 734-764-8495 for details: http://cee.engin.umich.edu/