

CIVIL AND
ENVIRONMENTAL
ENGINEERING

MESSAGE FROM THE CHAIR

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HIGHLIGHTS

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- Capstone Design Class wins FWEA design competition award, page 3.



Dr. Sunil Saigal

Dear Alumni, Students, and Friends

It has been over two years since I took over as the Chairman of the Department of Civil and Environmental Engineering. The last two years have been busy years for all of us in the Department

but ones in which we have made significant progress. Our efforts have poised us to continue to make unprecedented progress in the coming years. We hope that this will lead to us realizing our goal and dream of being in the list of top 25 CEE departments in the US. We are eager to share the achievements of our students, staff, faculty, alumni, and the Department. The Newsletter will help us update you on the progress of the Department, receive your input as we move forward and, most importantly, keep in touch with you.

The Department has always had a strong record of research and scholarship. In the recent years, USF has made the strategic decision to be a prominent Research 1 University and to increase the number of Ph.D. students at the university. Our Department has responded well to this challenge and the Department now has over 60 students working towards their Ph.D. dissertations. These bright individuals are tackling challenging problems and I invite you to

learn more about their activities by visiting our website. The faculty have stepped up their efforts in writing proposals and bringing support from agencies to support these graduate students.

Recent recommendations from the National Academy of Engineering in their report - *Educating the Engineer of 2020: Adapting Engineering Education to the New Century* - and also in ASCE's Policy 465 have focused on requiring a master's degree to be the entry level degree for the civil engineering profession. We are now offering a nine-month Master's degree in various specializations in the Department to prepare students for these new requirements. We are very fortunate to receive strong support from our alumni in all of our endeavors to move forward. Some examples include: our ASCE student chapter receives constant guidance and participation from them; Pat Beyer and Gene Balter serve on the Departmental Advisory Board; Steve Zendegui, Ed Garbin, and David Folk bring industry perspective to our classrooms; Jan Ash endowed the first faculty fellowship in the Department. We are very thankful for the support we receive from them.

Clearly, we are making good progress and there is much to be proud of. We are accomplishing all this with the help of our extraordinary students, faculty, staff, and alumni. Your hard work and support have been a key element of our success and our growth. I am looking forward to continuing to work with you in achieving our goals together. Go Bulls!!

STUDENT AWARDS

Lavenia Toole-Holt, was honored as Outstanding Student of the Year by the Southeastern Transportation Center, a research consortium of ten universities which held its awards banquet in Washington, D.C. earlier this year. Students were selected for the award on the basis of technical merit and research, academic

performance and professional and leadership qualities.

Lavenia recently completed her master's degree program in civil engineering in the Summer 2004.

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NEW FACULTY



Peter G. Stroot joined the faculty of the Department of Civil and Environmental Engineering in December 2003. Dr. Stroot comes from the University of Cincinnati, where he earned a Ph.D. in

Environmental Engineering. His area of research blends together traditional engineering design, anaerobic microbiology, and molecular biology. Stroot uses molecular biology tools to determine the abundance and growth activity of distinct microbial populations in bioreactors. His current research focus aims at developing low-cost bioreactors for solid waste treatment.



Dr. Maya A. Trotz joined the USF Civil and Environmental Engineering Department as an assistant professor in Fall 2004. She received her B.S. in Chemical

Engineering from the Massachusetts Institute of Technology in 1994 and her M.S. and Ph.D. degrees in Civil and Environmental Engineering from Stanford University in 1996 and 2002 respectively. She completed post doctoral research with Prof. Leckie at Stanford where she lectured and worked on the characterization of titania coated particles for the photochemical oxidation of organic contaminants. During this time she also lectured and completed research at the Nanyang Technological University in Singapore. Her research focuses on the application of chemical principles to the study and manipulation of pollutant behavior (e.g. arsenic) in natural aquatic systems and in engineered processes. She was the recipient of a National Science Founda-

tion Minority Graduate Fellowship.



Dr. Jeff Cunningham joined the faculty in January 2005. He earned his M.S. and Ph.D. degrees from Stanford University in 1993 and 1999 and his B.S. degree in Chemical Engi-

neering from Rice University in 1991. Cunningham's previous and current research includes field work, laboratory work, and mathematical modeling. Projects have included modeling the effects of sorption on contaminant transport in groundwater, treatment of drinking water contaminated by cyanobacterial toxins, pilot-scale in-situ remediation of groundwater contaminated by chlorinated solvents, and development of a new process to treat contaminated soil more effectively and inexpensively. Cunningham was an assistant professor in the Department of Civil Engineering at Texas A&M University and a post-doctoral researcher in the Department of Civil & Environmental Engineering at Stanford University.

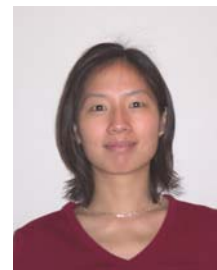


Dr. Daniel H. Yeh joined the faculty as an assistant professor in January, 2005. Dr. Yeh holds a B.S. degree in Natural Resources, B.S.E. in Civil Engineering and an M.S.E. in Environmental Engineering from the University of

Michigan, Ann Arbor. He earned his Ph.D. in Environmental Engineering from the Georgia Institute of Technology with Prof. Pavlostathis. His research and teaching interests include environmental bioprocesses and membrane technology for the purification of water and wastewater and the remediation of soils and sediments. Prior to joining the

faculty at USF, Daniel worked as a postdoctoral research fellow at Stanford University with Dr. Craig Criddle and Bob Hickey on membrane bioreactors for wastewater treatment and reuse, with an emphasis on anaerobic processes. He is a registered professional engineer.

Originally from Ottawa, Canada, **Elaine Chang** received her Ph.D. in 2004 from the Department of Civil and Environ-



mental Engineering at Northwestern University.

Her main areas of interest are transportation modeling, network optimization and traffic flow theory. She has also

participated in a variety of projects including evaluation of the impacts of transit signal priority, analysis of trends in general aviation, and development of a pricing model for the Panama Canal. Her recent honors include Best Doctoral Research Presentation at the 2004 Annual Meeting of the Transportation Research Board, and Northwestern University's B. J. Murphy Terminal Year Fellowship for completion of her dissertation in 2003. She joined the Department in February 2005 after completing post-doctoral research at l'Ecole Nationale des Ponts et Chaussées in Paris, France, where she developed an event-based simulation model for evaluation of flexible transit.

Dr. Daniel Simkins has Bachelor's and Master's degrees in Physics from the University of Missouri-Rolla and University of Illinois-Urbana, respectively. Upon leaving the University of Illinois, he went to work at the Lawrence Livermore National Laboratory (LLNL), where he



STUDENT AWARDS



Continued from page 1

First place at the inaugural Student Poster competition at the 2004 Florida Water Resources Conference was won by the USF Student AWWA chapter for their poster entitled "Relationship of Waste Characteristics to the Formation of Mineral Deposit in Landfill Leachate for Groundwater Contamination". Team members included **Antonio Cardoso, Lisa Rhea, George Dzama, and Abdul Mullah-Saleh**. The third place award also went to a team from the Civil & Environmental Engineering Department. Team members were **Cecilia Claudio-Torres and Rochelle Minnis**. The faculty advisor for the group was Dr. Audrey Levine.

At the Second Annual REU Symposium in May, **Rochelle Minnis'** poster won an honorable mention. Rochelle worked on her REU under the direc-

tion of Professor Levine.

Leonardo Caseres is a recipient of the USF Graduate Council Fellowship Outstanding Thesis and Dissertation Award for his M.S. Thesis on "In-Situ Leaching for Determination of Chloride and pH in Concrete and Mortar Pore Water" which he conducted under Dr. Sagues' direction and with Dr. S.C. Kranc and Dr. N. Poor as part of the Thesis Committee.

John McCary, a December 2003 MSCE graduate, was awarded the Southern District Scholarship Award by Chi Epsilon, National Civil Engineering Honor Society.

Jessica McRory was named Outstanding Civil Engineering Graduate Student and **Jeremy Runkle** as Student of the Year by the Florida Section of American Society of Civil Engineers. They competed with student nom-

inees from 10 universities across Florida and were honored at the Annual Florida West Coast Section Meeting in August 2004. The award also came along with a \$1000 check. Jessica was also the recipient of the Outstanding Student Award by USF's Geotechnical Society.

Mouchir Chenouda, a Ph.D. student, was a recipient of the 2004 Provost's Award for Outstanding Teaching. He received a plaque and a \$1000 check from USF Provost Renu Khator.

Oliver Page received the William R. McGrath Transportation Studies Scholarship at the Transpo 2004 conference in Jacksonville, jointly sponsored by Florida ITE, Georgia ITE, ITS Florida, ITS Georgia, Florida DOT. The Award carries a \$1000 check from FSITE, and another \$1000 check from the associated business division of FSITE.

Auristella Mueses-Perez and Joniqua Howard are recipients of the 2005 Alfred P. Sloan Foundation Minority Ph.D. Scholarship. The Sloan Foundation provides scholarships to underrepresented minority students who are beginning their doctoral work in engineering, natural sciences and mathematics. Auristella's Ph.D. topic focuses on the methodology to estimate discharge and water levels in rivers and streams where there is no field data available.

CEE STAFF



Rafael Urena
Quiet Quality Award 2004



Ingrid Hall Annual QQ
Award 2003-2004

The USF Outstanding Staff Awards brought recognition to staff for their dedication and consistent performance to strengthening and building the department. Provost Renu Khator introduced each recipient and provided a brief description of Ingrid's award winning accomplishments. Ingrid Hall has also been appointed to the Committee on Black Affairs

during 2005-2008.

Rafael Urena was recognized for his outstanding work and cheerful attitude with a Quiet Quality Award in May 2004

Jaclyn Alderman is the new Program Assistant for the Department of Civil and Environmental Engineering. She comes to us most recently from the University of Florida.

USF has filed a provisional patent for a novel tool developed by two REU students, Glenn Taylor (Pre-ENG) and Ivan Zapata (CEE), and Dr. Stroot (Nov 2004). The new tool is used to quickly remove electronic chips from circuit boards.



FACULTY ACTIVITIES

Dr. Stroot has been spearheading an effort to expand the biotechnology equipment capacity for several researchers at the USF including: the faculty of the BioCorridor (Drs. Michael Vanauker and Mark Jaroszeski), faculty of the CEE Department (Drs. Jeffrey Cunningham, Mark Ross, Maya Trotz, and Daniel Yeh), and the faculty of the College of Medicine (Dr. Richard Heller). To date, \$275,000 worth of equipment has been acquired from the National Institutes of Health and includes: HPLCs, thermalcyclers, CO₂ incubators, -80 °C freezers, and a variety of microscopes.

MORE AWARDS

Dr. Ke Li received the Sigma Xi Outstanding Researcher Awards (Tampa Bay Chapter) in the Post Doctoral Researcher and Graduate Student Researcher Category respectively for the year 2004-05.

RESEARCH EFFORTS GROW IN THE DEPARTMENT

The Department has experienced a constant and steady growth over the last three years in its graduate programs, enrollment, and research funding from external agencies. Despite the fact that six faculty members have joined the Department only recently, the research expenditures for the Department have increased for \$2 million in 2002-03 to \$2.5 million in 2004-05. The faculty are sending out a record high number of research proposals to local, state, and federal agencies with higher success rates. The number of Ph.D. students in the Department has also increased dramatically. We now have over 55 full-time Ph.D. students in the Department working on exciting, cutting-edge, interdisciplinary research. Most of our Ph.D. students are supported on faculty research grants while some are supported by prestigious fellowships

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Welcoming Maya Trotz to the Department: Jose Zayas-Castro, Chairman Industrial Engineering, Peter Stroot, Maya Trotz, Louis Martin-Vega Dean, College of Engineering, Sunil Saigal,



Judy Genshaft, president of USF, visited the department in December 2004. Pictured: Cecilia Claudio-Torres, graduate student, Judy Genshaft and Dr. Audrey Levine.

SIMKIJS Continued from page 2

worked on various large simulation projects. After eight years at LLNL, he spent two years in Silicon valley in the software industry. Life in Silicon Valley quickly convinced him to find a more "civil" career, at which time he began to study Civil Engineering. In May of 2004, he earned his PhD in Civil Engineering with an emphasis in Structural Engineering and graduate minors in Mathematics and Construction Engineering at the University of California at Berkeley under the direction of Professor Shaofan Li. His thesis is entitled "General Reproducing Kernel Element Hierarchies." Daniel's research interests are in the general areas of Computational Mechanics and computer simulation. More specifically, in meshfree methods for solving partial differential equations, finite element methods, representation of geometry and their applications to nanomechanics, biomechanics and solid mechanics. Dr. Simkins hopes to convey the very exciting nature of computational science and engineering to students through his teaching, particularly introducing undergraduates to this fields.

RESEARCH EFFORTS Continued from page 4

including the Bridge to the Doctorate, NSF IGERT, and Sloan Minority Ph.D. program. The enhanced research activity has allowed us to have a much stronger presence in the archival literature. Just in 2004, the faculty, along with their graduate students and research associates published XX articles in prestigious archival journals. We have established a strong research tradition in the Department over the last few years.

ERIC COLLOQUIUM SERIES

CEE has joined with the Departments of Environmental & Occupational Health and Environmental Science & Policy to develop a new inter-college environmental seminar series, the Environmental Research Interdisciplinary Colloquium (ERIC). The purpose of ERIC is to bring together the diverse environ-

FACULTY ACTIVITIES

Dr. Melvin Anderson received the Distinguished Service Award for his record of dedicated service to the engineering and surveying professions from the National Council of Examiners for Engineering and Surveying, headquartered in Clemson, SC.

Dr. Alaa Ashmawy is the recipient of 2004 Jerome Krivanek Distinguished Teacher Award by USF.

Dr. Wayne Echelberger, retired, former chair of the Civil and Environmental Engineering Department, was recognized with the Distinguished Alumni Award by the South Dakota School of Mines and Technology where he earned his Bachelor's Degree.



Dr. Echelberger was also recognized by the Journal of Environmental Engineering with the 2004 "Editor's Award". On July 29, 2005, Dr. Echelberger was recognized by the Florida Section of ASCE with the Byron Spangler Award for special lifetime accomplishments in engineering and public service.

Ram Pendyala was recently presented with a Leadership Award from the Florida Statewide Transportation Model Task Force. The task force is composed of more than forty transportation modeling directors representing all of Florida's transportation agencies and organizations. Dr. Pendyala also was elevated from Associate Professor to Professor during this last year.

mental research talents throughout USF, to spur collaborative research ideas, and to excite students about research opportunities in the environmental field. Speakers include faculty for several departments at USF as well as featured outside researchers, Dr. Byung Kim of Ford Research Labora-

Dr. Rajan Sen was elected as a Fellow of the American Concrete Institute. Fewer than one half of one percent of ACI members are elected Fellows in any given year.

Dr. Sunil Saigal received the Leighton and Margaret Orr Award of Best Paper for his work, "Fractures on Failure Investigation:".

Dr. Mahmoud Nachabe has been selected by the J. William Fulbright Foreign Scholarship Board as a Fulbright scholar grantee to the United Arab Emirates. He joins the ranks of some 265,000 alumni of the program. Fulbright alumni have become heads of state, judges, ambassadors, cabinet ministers,



CEOs, university presidents, journalists, artists, professors and teachers. They have been awarded thirty-five Nobel Prizes. The principal purpose of the Fulbright Program is to increase mutual understanding between the people of the United States and the people of the country that participates in the Fulbright Program.

Dr. Audrey Levine in association with the Water Research Foundation presented the first of six web seminars "Reduction of Pathogens, Indicator Bacteria, and Alternative Indicators by Wastewater Treatment and Reclamation Processes". More information can be found at www.werf.org.

tory, Dr. Mark Jacobson of Stanford University, and Dr. Ginger Garrison of the US Geological Survey. The series opened in September and routinely brings standing room only crowds to learn about new developments in the environmental field.

ASCE CORNER



Cuthbert Gibson, Sunil Saigal and Achilleas Kourtellis working on the Concrete Canoe for the 2005 Competition in April.

Pictured below: the ASCE Concrete Canoe Team in Tuscaloosa.



ALUMNI NEWS

Juan Pernia, PhD, class of 2004, accepted a faculty position in the Civil and Environmental Engineering at Lakehead University in Thunderbay, Ontario, Canada.

Alex Mraz, PhD, class of 2004, has accepted a position with the Florida Department of Transportation in Gainesville.

Jessica McRory, recently became Project Manager for MacTec.

Shannon La Rocque accepted a position as Assistant Director of Utilities for the Florida Department of Transportation

Larry Jones, a state Geotechnical Engineer for the Florida Department of Transportation was asked in 2003 by FHWA to be one of 7 members of a Technical Working Group Responsible for reviewing the efforts to rewrite Section 10 of the AASHTO LRFD Bridge Design Specifications.

Paul Kidwell was appointed by Governor Bush to be a commission member for the Florida Building Commission.

C. Edwin Copeland, class of 1973, was honored this past spring for his service and commitment to the USF College of Engineering

The 2005 Southeast Regional Conference at the University of Alabama in Tuscaloosa was held April 7-9, 2005. The USF Team came in 4th in the concrete canoe competition and placed 5th overall.

Julio Aguilar won first place in the Concrete Cylinder Strength competition. His USF cylinder reached a maximum strength of over 60,000 lb. The next closest team was at around 40,000 lbs.

Achilleas Kourtellis led the Concrete Canoe team in winning fourth place overall, a tremendous achievement considering the level of competition this year. **Anna Beck** and **Liane Ware** placed third in the Women's endurance race.

This year's competition featured around 30 universities. Our students excelled in environmental, surveying, steel bridge, and T-shirt competitions.

The new officers for 2005 are **Dajana Vuckovic**, President; **Anna Beck**, Treasurer; **George Vaso**, Vice President; and **Ana Garcia**, Secretary.

2005 HEART OF GOLD SCHOLARSHIP AWARDS

American Concrete Institute – Suncoast Chapter Endowed Scholarship

Andre Garcia

Bayside Engineering Scholarship

Liane Ware

American Society of Highway Engineers—Tampa Bay Section Scholarship

Jorge Javier Fuentes

ASCE-West Coast Branch Scholarship

Joseph Gadah, Andrew Schrader

Bayside Engineering Scholarship

Liane Ware

CDM Scholarship

Vivian Owusu

Civil & Environmental Eng Faculty Staff Scholarship

Julio Aguilar

Howard F. and Mary Curren Endowed Scholarship

Daniel Balter, Johan Barrios, Brennen Bourgeois, Denny Bowser, Harkiran Kaur, Maria Suarez, Wayne Wheeler

Margaret Poitras Davis Memorial Scholarship

Paola Arias, Tamishe Chin, Courtney Mann, Stacy Miller

Wayne and Iris Echelberger Scholarship

Ana Garcia

Mozelle Beverly Memorial Scholarship

Nikel Morancie

Peter R. Brown Fellowship

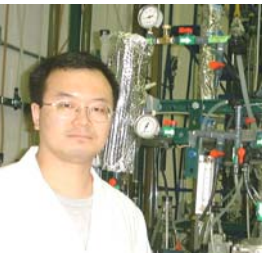
Whitney Allen

CEE PROFESSOR WORKS TOWARD GLOBAL WATER SUSTAINABILITY

Story based on news release by Randolph Fillmore – USF Media Relations (June 10, 2005).

According to the World Health Organization (WHO), lack of access to clean water is a "silent emergency" putting the health of billions of people in the developing world at-risk. Listening to the emergency and trying to do something about the clean water crisis is **University of South Florida assistant professor Daniel Yeh of the Department of Civil and Environmental Engineering**, whose research is devoted to finding better, more efficient and less expensive ways to make clean water more accessible to those who need it most.

"Less than one percent of the world's fresh water supply is readily available in surface water or shallow aquifers," said Yeh. "The demand for clean water from exploding



populations worldwide greatly exceeds what is available. The result is that one billion people lack safe drinking water and almost three billion - almost half the world's population - do not have access to adequate sanitation. As a result, more than a million people die every year, most of them children, mostly in developing nations, from water-borne diseases such as diarrhea, cholera and typhoid."

According to the WHO, developing nations are most at-risk, yet there are "worrying trends" even in industrialized nations.

"To supply clean water, we have got to break the vicious cycle of the water supply being contaminated by human and animal wastes," explained Yeh. "Yet, in many parts of the world, sewage treatment is either inadequate or lacking altogether."

Because there is not enough clean sur-

face water available in the world, treating polluted water efficiently and inexpensively, then making clean water available to those who need it, is one goal of the USF Globalization Research Center (GRC) - the research and education arm of the newly-founded **Dr. Kiran C. Patel Center for Global Solutions**.

The GRC is helping to support Yeh who, together with a team of collaborators at Stanford University led by Dr. Craig Criddle, is developing a process for treating sewage through a two-step process using an anaerobic membrane bioreactor system (MBR).

"Our anaerobic membrane bioreactors combine two processes - biological wastewater treatment by anaerobic (without oxygen) organisms followed by membrane separation," Yeh explained.

The first step uses naturally-occurring anaerobic microbes to break down waste material in the wastewater followed by a second step of separating particulate matter from the treated water when it is passed through a membrane filter. According to Yeh, the great promise of the MBR system is that it can be made "low-tech" and requires equipment that takes up little space as compared to other kinds of waste treatment facilities that might require an area the size of a football field. The anaerobic MBR system is more energy efficient than typical wastewater treatment plants that require considerable amounts of electricity to run the blowers that supply oxygen to the aerobic microbes. In addition, methane produced by the anaerobes can be recovered for heating and cooking purposes.



Yeh. "There is no doubt that MBR will play an increasingly significant role in global water sustainability," added Yeh. "For this technology to succeed where it is needed in the developing nations, however, the technology needs to be simplified, but also made more

robust. Capital and operating costs for these systems also need to be reduced dramatically."



Much of Yeh's current research is in trying to develop membrane filters that are inexpensive, easily cleaned, yet effective at removing particulate matter and disease-causing organisms. Membrane bioreactor development is a creative process for Yeh, who says he often wanders through hardware stores, sometimes late at night, "shelf shopping" to get ideas for novel ways to construct models for wastewater cleaning systems. Ideas and materials for self-cleaning membranes are always on his drawing board and moving toward testing in his lab. Yeh, who holds one international patent with more incubating in the pipeline, finds inspiration in a quote by Thomas Edison - "To invent, you need a good imagination and a pile of junk."

Assisting him in developing ways to build low-cost wastewater treatment technologies for developing nations is graduate student **Ana Garcia**, who is supported by the GRC. "For my thesis, our plan is to measure the filtration properties and evaluate the suitability of a variety of low-cost materials for water/wastewater treatment," said Garcia. "Our goal eventually is to test these materials in a pilot-scale membrane bioreactor." In Fall 2005, Garcia will be joined by two new members of Yeh's membrane biotechnology lab - PhD students **Russell Ferlita** and **Ana Prieto**.

Yeh came to USF in January 2005 after completing a postdoctoral appointment at Stanford University with Criddle. He maintains close research ties with Stanford and the **National Science Foundation's Center of Advanced Materials for Purification of Water with Systems (WaterCAMPWS)**, which initiated and continues to support the MBR project.

CEE HOSTED 1ST ANNUAL FUSER

CEE hosted 1st Annual FUSER

CEE hosted the first annual *Florida Universities Summit on Environmental Research (FUSER)*, a major, state-wide environmental research symposium. The two-day event, held at the USF Alumni Center Sept. 11 and at the USF Embassy Suites Sept. 12, was initiated and organized by faculty from the Environmental and Water Resources Group with key support from the CEE staff. The event featured presentations by student and faculty researchers from several Florida universities and agencies (e.g., UCF, UF, FIU, USGS) and guest speakers including internationally renowned Swiss environmental chemist, *Dr. René Schwarzenbach* and National Science Foundation Environmental Engineering Program Manager *Dr. Patrick Brezonik*. USF was the only stop in Florida for Schwarzenbach, who was on a 14-university Distinguished Lecturer Tour sponsored by the Association of Environmental Engineering and Science Professors (AEESP). Researchers reported on a number of environmental topics, including environmental biotechnology; sustainability in engineering curriculum; air quality; habitat

in developing nations; storm water management and water quality monitoring. University participants also provided “showcase” overview presentations of their respective environmental programs. FUSER received strong support at the College- and University-levels, with participation and speeches by *CoE Dean Dr. Louis Martin-Vega*, *Vice President for Research Dr. Robert Chang*, and *Provost Dr. Renu Khator*.

Student volunteers from the CEE Graduate Student Association (CEEGSA) played a major role in making FUSER a success. The extremely well-organized students led by CEEGSA officers *Auristela Mueses Perez* and *Ken Nilsson* rose to the challenge and made sure that the event proceeded smoothly. Student-industry interaction was another highlight of FUSER, with several companies attending FUSER for the opportunity to promote their organization and recruit students. The event received strong financial support from the local consulting industry as well as the Patel Center for Global Solutions at USF and the NSF WaterCAMPWS.

FUSER concluded with an expert panel

roundtable discussion on critical environmental issues facing Florida, led by representatives from the City of Tampa and SWFWMD. *Asst. Prof. Jeff Cunningham* is leading the effort to prepare a white paper summarizing the views and recommendations from the expert panel.

FUSER was quite successful in bringing visibility and recognition to CEE, College of Engineering and USF, as well as generating stimulating discussions among the attendees. Feedback from FUSER participants was extremely positive, indicating that the effort, which involved co-hosting by USF, UCF, USGS and FIU, will help to develop an active community uniting academia, government agencies and industry throughout the state. The organizers intend for FUSER to become an annual event hosted by a different Florida university each year. The University of Central Florida has expressed interest in hosting the next FUSER, and dialog on planning has already begun. Much of the post-conference activities and dialogues will be conducted online. Visit www.floridafuser.net to find out more.

Send us your news, accomplishments and help us stay in touch by using this form:

Name _____ Degree _____ Class of _____

Spouse Name _____ Spouse USF Grad? _____ Phone _____

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E-mail _____

Current employment: _____
(title, company)

Other news about you: _____

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