



CEAS UPDATE

The Official Alumni Newsletter



College of Engineering & Applied Science

Discover. Innovate. Lead.

Volume 1, Issue 1
Spring 2007

Dean's Message

Dear CEAS Alumni:

Welcome to a new bi-annual (Fall and Spring) alumni newsletter designed to update you on faculty, student and alumni success stories, information on new initiatives, current facts and statistics, and upcoming events.

Whether you are a recent graduate or a long-time alumnus, you will find many exciting changes. In the last two years, UWM has undertaken a new and aggressive strategy to increase its research productivity to an unprecedented level. The college serves as a driving engine to achieve this bold goal and has made major infrastructure improvements to support and enhance its research activities. These efforts include aggressive cluster hiring of faculty in areas of strategic needs, major laboratory upgrades, research seed funding, developing major partnerships with our local



Dr. Al Ghorbanpoor

industry friends, and adding experienced grant development experts.

A major level of effort currently is being devoted by the college to improve its national ranking through enhancing the quality of its students and its engineering education. These efforts include significant collaboration with our industry partners and strengthening ties with our alumni, revision of the curriculum to reflect the needs for training more innovative engineers of the next generation, improving student selectivity,

enhancing admission requirements, recruiting a large number of high quality students on scholarship, and enhancing retention and graduation through providing academic support programs and close interaction with students by mentoring from faculty, staff and alumni.

This is an exciting time for the college and I am pleased to share with you the good news as shown in the following pages. I also invite you to visit your campus and college and to become involved in our new initiatives. There are many ways to do so, as a mentor or tutor, member of an advisory board, contributor to scholarship funds, supervisor of coop and intern students, or as an active member of the CEAS Constituent Alumni Association.

Al Ghorbanpoor, Ph.D., P.E.
Interim Dean

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New Ph.D. Program Responds to Healthcare Need

In the fall of 2005, the University of Wisconsin-Milwaukee (UWM) announced the addition of an exciting new doctoral program in Medical Informatics. This interdisciplinary Ph.D. program, housed in CEAS, is the result of collaborative efforts between the Medical College of Wisconsin (MCW) and several academic units at UWM, including CEAS, the College of Nursing, the College of Health Sciences, the

School of Information Studies and the Sheldon B. Lubar School of Business.

Medical Informatics is an emerging field that combines medical science and information technology to address two main concerns of the healthcare industry: improving the quality of medical care and cutting costs of medical care through the use of information technology. Accord-

ing to Dr. K. Vairavan, Professor of Electrical Engineering and Computer Science in CEAS and one of the lead planners of the program, students will be trained to become future leaders in the use of information systems to improve healthcare.

For more information on the Medical Informatics Ph.D. program, visit www.medinf.uwm.edu.



Dr. K. Vairavan

DID YOU KNOW?

- More than 90% of CEAS classes are taught by faculty and professional staff.
- CEAS average class size is under 23 students.
- CEAS average student to faculty ratio is under 19.
- CEAS now offers a *non-thesis* M.S. degree option in all areas!



Mali is Promoted to Associate Professor



Dr. Amol Mali

“The research I do with students affects my future as well as the students’ future.

So it is important to look ahead as much as possible while choosing the topics of papers, theses, and funding proposals.”

-Dr. Amol Mali

Dr. Amol Mali of the Department of Electrical Engineering and Computer Science was promoted in August from Assistant to Associate Professor. Dr. Mali’s education includes a B.S. in Mechanical Engineering, an M. Tech in Mechanical Engineering with a specialization in Robotics, and a Ph.D. in Computer Science. A faculty member with CEAS since 1999, Dr. Mali’s research activities focus on autonomous planning and artificial intelligence (AI).

Dr. Mali’s most recent research effort uses AI to reduce pain experienced in the daily activities of physically-challenged people. AI planning technology can be used to find alternative plans to fulfill the daily tasks that cause pain. Chronic pain results in massive healthcare cost for the U.S., as well as affecting the

quality of life of those who experience such pain. Dr. Mali hopes to reduce these negative implications with his proposed research.

Next year, Dr. Mali has plans to introduce and teach a new course within CEAS called Robot Motion Planning. His significant research goals include AI under uncertainty, information fusion, AI for cyber trust, adversarial reasoning, and the healthcare applications of AI. He also emphasizes that he will continue to seek external funding for his research agenda from government agencies. Other external activities such as serving on review panels and keeping in touch with the top researchers in his field have been beneficial to Dr. Mali and will continue to be an essential part of his work.

Dr. Mali feels that he has gained

invaluable experience at UWM, and stresses the importance of his relationships with his students. Mali says, “Most students will see me first as a teacher, then as a researcher. Their approaching me for research heavily depends on their experience in my courses.” Dr. Mali feels that his communicative approach has paid off, as several of his former students have maintained strong relationships with him. Some even wrote code and did experiments after graduation to assist the revision of papers. Mali says, “Creative and hard-working students try many ideas until the last moment. So it is important to have long meetings with them, especially before they graduate, to extract all details of their work with mathematical accuracy. This also makes it easier to write papers after the students graduate.”

Rahman is Promoted to Associate Professor



Dr. Adeeb Rahman

“I have learned a lot from my students. My biggest reward has been my graduates who have gone into industry and been well-received. Reports of their success have been outstanding.”

-Dr. Adeeb Rahman

Dr. Adeeb Rahman of the Civil Engineering and Mechanics Department was promoted from Assistant to Associate Professor in June. Dr. Rahman considers himself a “product of Wisconsin education,” having received his B.S. in Civil Engineering from UW-Milwaukee, and his M.S. and Ph.D. degrees in Engineering Mechanics from UW-Madison. Prior to joining UWM in 2000, he worked in industry nationally and internationally. His research focuses on computation and mechanics, structural mechanics, and biomechanics.

Most recently, Dr. Rahman’s accomplishments include a Research Grant Initiative award for “An Engineering Approach to Improve the Assessment and Prevention of Hip Fractures in the Elderly: Initial Development of Concept and Methodology.” In collaboration with Dr. Chris Papadopoulos and the Medical College of Wisconsin, Dr.

Rahman plans to introduce an assessment tool to identify hip fractures before they happen. Hip fractures are a significant health problem in the U.S., resulting in prematurely shortened life spans, high reactive treatment, and healthcare costs that are estimated to exceed \$5 billion per year. His preventive tool presents an engineering design independent of medication and will serve as an intervention for those who are vulnerable to serious hip fractures. It will be a unique combination of finite element analysis and measured clinical data.

Dr. Rahman has made many valuable contributions to CEAS, including the direct recruitment of top-notch graduate students who have built successful careers in industry. He also produced a learning model designed to provide students with increased instructor contact. He creates an interactive environment by emphasizing small discussion

sessions. This method improves the students’ overall learning experience, increases teaching assistant exposure, and saves the college valuable resources.

With his strong commitment to UWM, Dr. Rahman feels he can help bridge relationships between students and the community. He says, “My future work will focus on maintaining my strength in teaching undergraduates, as well as creating a positive environment in the college and my department. I will devote energy specifically into helping disadvantaged students obtain their degrees.”

Dr. Rahman sees high potential in the future for external funding in biomechanics research. He also plans to create more exposure for mechanics engineering by continuing to develop collaborations with local industry and increasing opportunities for graduates.

For The Record

2005 Outstanding Alumni Award Recipients

Civil Engineering & Mechanics Alumnus of the Year

Mr. Roger J. Becker
Vice President Spancrete Industries, Inc.
B.S. & M.S. Civil Engineering, 1972 & 1973

Computer Science Alumnus of the Year

Mr. Manoj Mittal
Director for Strategic Mergers and Acquisitions,
Hewlett-Packard
M.S., Computer Science, 1988

Electrical Engineering Alumnus of the Year

Dr. Robert Turney
Senior Staff DSP Research and Design Engineer, Xilinx, Inc.
B.S., M.S. & Ph.D., Electrical Engineering, 1989, 1992 & 2005

Industrial Engineering Alumnus of the Year

Mr. Jay Kapellusch
Senior Lecturer & Research Assistant, CEAS
Co-owner & Vice President, Ergonomics by Design, Inc.
B.S. & M.S. Industrial Engineering, 2001 & 2006

Materials Engineering Alumnus of the Year

Dr. Rajiv Asthana
Professor of Engineering & Technology, UW-Stout
Ph.D., Materials Engineering, 1991

Mechanical Engineering Alumnus of the Year

Dr. Sherman C. Jen
Project Manager, Perlick Coporation
Ph.D., Mechanical Engineering, 1992

Dean's Award Recipient

Dr. William Berezowitz
General Manager Imaging Subsystems, GE Healthcare
B.S. & Ph.D., Mechanical Engineering, 1984 & 1996

Alumni Generosity

Two CEAS alumni have provided very generous gifts that will have a significant impact on carrying out the college's strategic plan.

\$1,000,000 from Avi Shaked (BSE '80) and Dr. Babs Waldman for the Avi Shaked and Babs Waldman Engineering Scholarship Fund.

\$2,000,000 from Dick Grigg (BSE '70, MSE '75) and Joanne Grigg, for an endowment providing unrestricted support.

2006 CEAS External Grant Activity

<i>Activity</i>	<i># Proposals</i>	<i>Amount</i>
Awarded	40	\$5,269,309
Submitted	55	\$16,308,771

Stay Connected

PantherNet

CEAS alumni are invited to join the PantherNet Program, a network of UWM alumni and other professionals willing to contribute information and time to UWM students or alumni exploring career and graduate school options. As a PantherNet volunteer, you have an opportunity to make a contribution to the professional growth of the UWM community. Please note, PantherNet is not a job placement service, and participants are not expected to offer employment opportunities.

Through PantherNet, you will create a profile that can be searched by students actively using the University's Panther-Jobs system. PantherNet allows you to choose the information you would like to disclose and the number of contacts you would like to receive during a given semester.

To register as a PantherNet mentor or for more information, please contact Juli Pickering: jlpicker@uwm.edu or (414) 229-3208. Please be sure to include your contact information.

A Message from the Alumni Association

The UWM Alumni Association maintains active chapters that are affiliated with colleges, schools, and other affinity groups within the University's family. Known as Constituent Alumni Associations, or CAAs, these organizations operate under by-laws approved by the Alumni Association.

The CEAS CAA mission is to keep our alumni connected to the college. We welcome ideas for programs, events, etc. that appeal to CEAS alumni. In addition to your input, we always like to hear from alumni interested in leadership positions within the CEAS CAA. Please feel free to contact me at richard.s.schreiner@jci.com with your suggestions.

The UWM Alumni Association is now a dues-free organization. Please visit the association's pages at www.uwm.edu.

Best Regards,
Richard Schreiner, President CEAS
Constituent Alumni Association
Staff Engineer
Johnson Controls, Inc.

SAVE THE DATE!

ALUMNI BANQUET
May 5, 2007
UWM Union Ballroom

Don't miss the chance to reconnect with fellow CEAS alumni!

Look for your invitation in the mail or contact Juli Pickering for more information at: jlpicker@uwm.edu.

ALUMNI UPDATES

Recently Hired?
Getting Married?
Having a Baby?
Traveling the World?
Retiring?

We Want to Know!

Send us your updates or messages for fellow alumni, and we will print them in the next issue of the CEAS Update. Send info to Nicole Sparks: sparks@uwm.edu.



Jenny Lutz

“Personally, I gained a better understanding of myself. I was able to be a part of something that many people don’t have the opportunity to experience.”

-Jenny Lutz

Jennifer Lutz Volunteers With FEMA for Hurricane Clean-up Efforts

Jennifer (Jenny) Lutz received her B.S. in Civil Engineering from CEAS in May 2005. Through her employment as a Water Resources Engineer with Earth Tech in Milwaukee, Jenny was offered a once in a lifetime opportunity in November 2005 to work with FEMA in its Hurricane Wilma clean-up efforts. In the following interview, Jenny shares her experience of working in southeastern Florida for four months to lend a hand during this natural disaster, gain professional experience, and ultimately learn more about herself.

How did you get involved with FEMA and the Hurricane Wilma clean-up efforts?

Earth Tech has a contract with FEMA. In September 2005, I started to receive e-mails expressing FEMA’s need for volunteers due to the massive hurricane devastation in the southeastern U.S. The commitment had the potential to be away from home for several months and over the holidays. Many of my co-workers with families and other responsibilities were unable to participate and I felt lucky to be in a position where I was able to volunteer. After receiving the support of my supervisor, I applied for the program and went through the extensive process of

training, testing, and matching my qualifications with available positions. I didn’t know where I would be placed or exactly what kind of work I would be doing. In November I received the call that I had been placed in Broward County, Florida, for Hurricane Wilma efforts. I had only a few days to prepare for my four-month position in Florida.

What was your position in Florida?

I was representing FEMA’s Public Assistance Division as a Project Officer. I worked with public entities (e.g., schools, hospitals and parks) that had applied for recovery assistance. My role was to determine if the hurricane was responsible for the property’s damage, assess the value of the damage, and complete project worksheets to submit back to FEMA’s administration.

How did your education and career in engineering contribute to your ability to participate in this work?

If I wasn’t employed as an engineer with Earth Tech, I would not have had this opportunity at all. My background in engineering was critical in order for me to accurately assess each recovery situation. For instance, I had to estimate the cost of building repairs

based on the structure of the building and the materials involved.

What did you gain from your experience as a FEMA volunteer?

Professionally, this was an incredible experience for me. I had been out of school for only a few months when I went to Florida; thus, the project management and leadership skills that I gained are very valuable to my future career, such as the ability to manage projects and complete budgets. Considering that I am a young female engineer, in a predominately male field, I also learned how to gain the respect of my peers.

Personally, I gained a better understanding of myself. I was able to be a part of something that many people don’t have the opportunity to experience. At the time, Hurricane Katrina was getting the most media attention, so I had no idea what the situation was like in Florida. I was able to witness first-hand the devastation that occurred there and the massive amount of time involved in recovering from the disaster. I gained patience and understanding. Overall, I feel very fortunate that I had this opportunity.

Alumni Profiles

Tim Hunter: Alumnus, Adjunct Professor and Mentor

When thousands of Harley-Davidson motorcycles rumbled into Milwaukee during Harley's 100th anniversary celebration in 2003, Tim Hunter could see tangible evidence of his graduate studies in the College of Engineering and Applied Science at UWM. While working on his Ph.D., Tim studied the predictive fatigue of materials, an important concept for designing and developing machines that are prized for their reliability and durability, whether climbing mountains, navigating rugged terrain, or making cross-country trips.

As Manager of Frame Systems at Harley-Davidson, Tim is responsible for the design and development of all motorcycle frames, swing arms, side stands, and engine mounts and engine guards. Virtually all of the crucial structural parts of a motorcycle are designed, developed and tested under Tim's leadership. Although a major part of Tim's work is overseeing research and testing of new products and models, he appreciates that many customers continue to ride and cherish vintage machines as well, a strong testimonial to the quality and care his company builds into their products. A Harley rider himself, Tim noted that about 60-70% of Harley employees are riders and about 30-40% are owners, another endorsement of the sophisticated machines that

emerge as a result of Tim's oversight.

Tim began his engineering career at Kohler Engines after receiving a B.S. in mechanical engineering from Marquette in 1984. He spent three years at Kohler as a computer assisted design (CAD) system administrator and began part-time master's work at UWM during that period. He returned to school as a full-time graduate student to complete the master's degree in 1988 and was soon hired by Harley-Davidson. Once established at Harley, Tim began his pursuit of a Ph.D. at UWM partly because of his "good master's experiences" but also because he could enroll part-time, take advantage of Harley-Davidson's excellent tuition reimbursement program, and continue to work. He commented that UWM's location and the convenience of night classes made it possible for him to study for a doctorate.

When asked about his perceptions of the UWM engineering program, Tim noted that he received "a very solid base in engineering mechanics" from his professors, especially the late Dilip Kohli, Anoop Dhingra and Al Ghorbanpoor, who chaired Tim's doctoral committee. Tim described his graduate work at UWM with these and other professors as "opening the door to exploring new methods to approaching

problems," allowing him to "look at things in a new way" in his engineering work.

Since receiving his Ph.D., Tim has continued to be involved with CEAS on campus and at his company. He teaches both undergraduate (senior design) and graduate courses (fatigue, kinematics and dynamics) as an adjunct professor in mechanical engineering. Recently he has provided support for the CEAS graduate internship program where UWM doctoral students spend two years at Harley-Davidson, conducting research while also becoming familiar with company products, tools and systems. These students commit 20 hours a week, up to 1,000 hours a year, and receive both a stipend and benefits (tuition and other fees) from the university. The program is structured as a research project assistant position where the student is an employee of the university

but performs the research work while resident at the Harley-Davidson Product Development Center. One UWM graduate intern has already completed his Ph.D. and works as an engine movement specialist at Harley-Davidson. A second UWM graduate intern is conducting on-site doctoral research on engine motion measurements. Harley-Davidson is the first local company to support such graduate internships for UWM. Tim also has served on the CEAS Alumni Board and on the Industrial Advisory Board for the Mechanical Engineering Department.

Overall, Tim Hunter represents the ideal CEAS alumnus, fully using his engineering education in his own career while fostering educational and career opportunities for young engineers through his teaching and mentoring.

Tim Hunter described his graduate work at UWM...as "opening the door to exploring new methods to approaching problems..."



Tim Hunter



College Update

New Alliance with OSHA and the UWM Center for Ergonomics



Dr. Arun Garg

The UWM Center for Ergonomics has entered into a new collaboration with the U.S. Occupational Safety and Health Administration. Under the leadership of Arun Garg, Professor of Industrial Engineering, and Phyllis King, Professor of Occupational Therapy, the Center has built a national reputation for its research on the use of ergonomics for the prevention of workplace injuries. A formal signing ceremony with OSHA was held in January, 2007. The first event sponsored by the new Alliance is a Safe Patient Handling Conference, to be held on April 20, 2007 in Waukesha, Wisconsin.

The new Alliance will enhance the Center's efforts to provide expertise in ergonomics to develop and present training and education

programs for health and safety professionals. In collaboration with OSHA, the Center also will provide information on the recognition and prevention of workplace hazards to employers and employees in industry.

Dr. Garg and his interdisciplinary team established the Center three years ago, one of a few in the nation. The Center offers a Certificate in Ergonomics, taught by faculty from Occupational Therapy, Nursing and Industrial Engineering, and engages in collaborative research on ergonomics and healthcare. Research topics include the ergonomic design of products, workplace design, and prevention and alleviation of back, shoulder and other injuries among health professionals and factory workers.

Since 1988 Dr. Garg has conducted research on lifting analysis in manufac-

turing sites, where repetitious and inappropriate motions can lead to back, shoulder and other muscular injuries. He also studies lifting and patient handling in nursing homes, which can lead to back and other structural injuries for nurses' aides and other staff.

Nationally recognized for his research, Dr. Garg is the principal investigator of a recently renewed \$1.5 million, multi-site grant from the National Institute of Occupational Health and Safety (NIOSH) and the Centers for Disease Control and Prevention. This three-year project studies a cohort of 600 workers from more than 15 industries to monitor upper limb disorders and their relationship to job-related physical risks. In addition to his UWM team, Dr. Garg's collaborators include the University of Utah and the Medical College of Wisconsin.

CEAS Staff Changes

Retirement: Dr. Ester Johnson retired in late summer after 12 years in CEAS. Appointed as an academic advisor in 1994, Dr. Johnson was promoted to Director of Diversity Programs in 2001. She mentored CEAS minority students and served as advisor to the student chapter of the National Society of Black Engineers (NSBE).

New Hires: The CEAS Strategic Plan calls for increased research activity, national prominence, and retaining and graduating outstanding students, including women and minorities. Several staff members have recently joined CEAS to help carry out these goals. A new research infrastructure includes two experienced grant development staff, Dr. Marjorie Piechowski, Senior Technical Grant Writer, and Ms. Michelle Schoenecker, Associate Technical Grant Writer. Ms. Nicole Sparks has been hired to provide marketing expertise and to develop new CEAS publications. Mr. Craig Ashley is a new academic advisor, working particularly with multicultural programs and also teaching introductory engineering courses.

New Faculty: Dr. Joseph Bockhorst

Dr. Joseph Bockhorst joined the UWM faculty in August 2006 as an Assistant Professor in the Computer Sciences Department. He received his Ph.D. from the University of Wisconsin-Madison in 2005 and completed his post-doc at Microsoft Research. Dr. Bockhorst works in biomedical informatics, a hot new field in engineering and computer science.

Dr. Bockhorst's research focuses on computational methods that advance our understanding of molecular biology (bioinformatics) and that help us discover better ways to maintain or restore human health (medical informatics). Both areas expand the use of biological, medical, behavioral or health data to help solve biological problems. One example of informatics involves analysis of DNA sequence data.

Dr. Bockhorst is currently working with the Seattle Biomedical Research Institute and Microsoft Research to develop a vaccine that prevents placental malaria. Pregnant women are particularly susceptible to malaria because the parasites that cause the disease can attack the placenta and harm the fetus.

The team is developing computational methods to understand the biological sequences of the malaria's DNA. Placental malaria has many different types of DNA "strains" that have vast amounts of information that must be sorted, organized, and analyzed. Informatics makes it possible to better understand the patterns and differences in the DNA to help build the vaccine.

Alumni can attend free medical informatics seminars offered at CEAS every week. Information is available at www.uwm.edu/Dept/medinf/medinfSeminar.html. You also can contact Dr. Bockhorst at joebock@uwm.edu or 414-229-5810.

New Admissions Standards

In accordance with the new initiative to recruit and graduate high-achieving students, CEAS has announced new admission requirements for undergraduate programs. In Spring 2006 faculty approved the requirements, which will be in effect for Fall 2007 applicants. The intention is to identify cohorts of students with similar academic preparation and offer them an entry point for their level. New freshman will be offered admittance into one of the following 3 levels:

I. Admission Directly to the Major: Typically students in the top 33% of their high school class with an ACT composite of at least 25 and an ACT math of at least 28.

II. Admission to Pre-Engineering or Pre-Computer Science: Typically students in the top 50% of their high school class with an ACT composite of at least 21 and math of at least 23.

III. Admission to CEAS Bridge Program: A limited number of freshman applicants who do not meet other requirements will be asked to participate in an academic support program during the summer prior to their first semester.

CEAS Faculty Retirements

The following senior faculty members recently retired from teaching but all three continue to remain active with their research and other professional pursuits. We offer our best wishes as they begin this new phase of their lives.

Dr. Gunol Kojasoy, Professor of Mechanical Engineering, retired from CEAS at the end of the 2005-2006 academic year. His colleagues from the Mechanical Engineering Department honored him at a retirement dinner at Pandl's of Bayside. He served for 26 years at UWM, teaching over a dozen different topics in thermal sciences, ranging from introductory courses to graduate seminars. During his tenure at UWM he generated over two million dollars in sponsored research, established two research labs and supervised many doctoral students, the last one now completing his dissertation.

In retirement Dr. Kojasoy expects to do more traveling to visit his immediate family, which is spread over three continents, and to spend more time in his native city of Istanbul. In between traveling and fishing, he is contemplating writing at least two graduate text books in his areas of specialization.

Dr. Tarun Naik, Professor of Civil Engineering and Academic Director of the Center for By-Products Utilization, retired from CEAS in summer of 2006. During 31 years at UWM, Dr. Naik taught a wide range of courses in structural engineering and in construction materials. He also maintained an active research program, obtaining over \$3,500,000 in extramural funding from 40 different external sources (private industry, state and federal governments, in the USA, Canada, Mexico, and Europe). His publications have resulted in over 250 technical papers and reports.

Throughout his career Dr. Naik received many awards and honors, the most recent from the U.S. Environmental Protection Agency. Dr. Naik continues his active research agenda as Academic Director of CBU and also is spearheading a new campus-wide initiative to conduct research and education in areas related to global warming, climate change and sustainable development.

Dr. Edward Beimborn, Professor of Civil Engineering and founding Director of the Center for Urban Transportation Studies, retired from CEAS at the end of the 2005-2006 academic year. At UWM Dr. Beimborn introduced and taught a wide range of undergraduate and graduate courses in Transportation Engineering, Transportation Planning and Municipal Engineering. Over 50 research and training projects generated \$4,000,000 in external funding during his 38 years at UWM. Recent awards include the Engineers and Scientist of Milwaukee Engineer of the Year Award in 2006 and the distinguished service award of the Wisconsin Section of the Institute of Transportation Engineers.

He continues to be professionally active with research projects at UWM and as a committee chair of the Transit Planning and Development Committee of the Transportation Research Board.

History Made in Pittsburgh, PA

For the first time in the ten year history of the Boeing Flight competition, one school swept first, second, and third place. The students from the National Society of Black Engineers (NSBE), UW-Milwaukee Chapter, after placing second in 2004 and 2005, returned victorious after three of their teams flew further than any

other school in the Boeing Flight Competition at the NSBE National Convention in Pittsburgh, PA, Saturday April 1, 2006.

The NSBE-Milwaukee teams consisted of Jared Outlaw, Shawn James, Tristan Hickman, Brittney Martin, Charlene Bingham, Jeremy Mosley, Nadiyah Groves, Olaleye Amoo, Telashay Swope, and chapter advisor Dr. Ester Johnson.

This technical competition is sponsored by The Boeing Company for NSBE undergraduate student members, in which contestants design gliders made of balsa wood. The entries are judged on longest distance flown, best team participation and best design. Nearly 20 schools participated in the competition.

For more information visit www.uwm.edu/studentorg/nsbe.

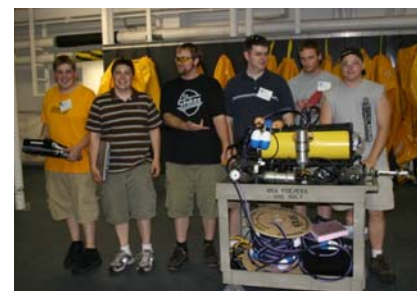


The PantheROV II

In June 2006 UWM competed for the second time in the International ROV Competition at NASA's Neutral Buoyancy Lab in Houston, TX.

ROVs are unmanned vehicles that are remotely-controlled via a tether to the surface. They have been used to explore the Titanic, locate and recover the "black boxes" of downed aircraft, and are routinely used in the offshore oil industry to inspect and repair underwater platforms pipes.

The Marine Advanced Technology Education Center (MATE) sponsors the competition in which college and high school students design and build ROVs.



UWM's team, who is supported by the Great Lakes Water Institute, placed 8th out of 15 teams. The team who competed in Houston consisted of: Greg Oswald, Andy Schneider, Corey Verhein, Don Murray, Chris Brenny, and Josh Zagorski.

For more information visit <http://waterbase.uwm.edu/>.



Discover. Innovate. Lead.

WWW.UWM.EDU/CEAS



A Note From Career Services

Thank you to CEAS alumni and their employers for hosting co-op and intern students during the 05-06 academic year. The opportunities you provide them with greatly enhance their classroom experience and professional development. As a recent co-op student said, "I am leaving my first term inspired to relate my co-op experience with my upcoming classes in the spring. Since working at (company), I have affirmed that engineering is a career I am proud to pursue."

The CEAS Career Services Office is dedicated to helping all CEAS students secure work experience prior to graduation through co-op and internship opportunities.

For more information about posting co-op, internship or full-time job opportunities, please contact Juli Pickering at jlpicker@uwm.edu or (414) 229-3208.

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CEAS EVENTS CALENDAR

FEBRUARY 21, 2007

Spring Industry Expo

9:00 a.m. - 1:00 p.m.: EMS Lobby

MARCH 31, 2007

CEAS Open House

9:00 a.m. - 1:00 p.m.: EMS

MAY 5, 2007

Alumni Banquet

UWM Union Ballroom

MAY 18, 2007

Order of the Engineer /

Graduating Student Reception

3:00 - 5:00 p.m.:

Wisconsin Room, Union

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