



Western Michigan University's Newsletter for Academic Affairs

Items of Academic Interest

College of Arts and Sciences

Communication faculty launch **Kids Communicating** website. Dr. Autumn Edwards and Dr. Chad Edwards have created a new program designed to reach children earlier and help them develop and interest in communication sooner. If you look at any list of the top qualities an employer seeks in a potential employee, communication will be in the top 10. Communication is an essential skill that many elementary schools are not teaching and incorporating in their curriculums. That is where the idea of Kids Communicating came from, the need to teach communication to young students. The goal of Kids Communicating is to facilitate the integration of communication curriculum into K-3 education. The communication curriculum for early elementary students is based upon skills and competencies identified and set forth by the National Communication Association. More information about this program can be found at www.kidscommunicating.org or by sending an e-mail to the creators at chad.edwards@wmich.edu or autumn.edwards@wmich.edu.



Core Kids, the K-12 Outreach Program at WMU Geosciences' Michigan Geological Repository for Research and Education, exhibited at the Michigan Science Teachers' Asso-

ciation annual conference in Lansing, March 6-8. Core Kids coordinator, Susan Grammer, also presented a workshop, Core Kids Know What's Underfoot in Michigan. At the exhibit, Michigan's teachers were able to manipulate hands-on demonstrations that will help them to communicate to their students about the natural resources found in Michigan's rocks

– minerals, water, oil and natural gas – and about current issues such as coastal erosion and climate change. Core Kids and Geosciences staff and graduate students have visited over 900 elementary, middle school and high school students in SW Michigan classrooms since September, helping teachers to excite their students about science and to demonstrate how science is important in their daily lives. In April, thanks to the sponsorship of DTE Energy Foundation, Grammer will attend a Climate Science Investigations (CSI) Curriculum Workshop presented by the Keystone Center in Keystone, Colo. The Keystone Center is a non-profit organization founded in 1975 to ensure that present and future generations approach environmental and scientific dilemmas and disagreements creatively and proactively. The CSI Curriculum was developed by The Keystone Center with the support of the Department of Energy and the National Energy Technology Laboratory. For more information on MGRRE's K-12 Outreach Program, Core Kids, contact Susan Grammer at (269) 387-8642 or susan.grammer@wmich.edu.

Michael Barcelona, Professor of Chemistry, has been awarded a

National Research Council Senior Research Associate Award for the fall term to support the conduct of a joint research project with EPA scientists at a contaminated refinery site in Cyril, Okla. The goal of the project is to "image" the subsurface injection of an oxygen-releasing compound and create a permeable reactive barrier using geochemical and 3-D Electrical Resistivity Tomography (ERT) techniques. The oxygen released by the barrier is expected to stimulate microbial degradation of petroleum hydrocarbons in ground water. Dr. Bill Sauck of WMU Geosciences will serve as a collaborator in the work. In the winter term, Barcelona will travel to Spain on a Fulbright Scholarship to lecture in the Department of Marine Sciences at the University of Las Palmas in the Grand Canaries. Barcelona received his Ph.D. in Marine Chemistry from the University of Puerto Rico and conducted coastal oceanographic research during his post-doctoral fellowship at the California Institute of Technology. At Las Palmas he will be teaching a Marine Biogeochemistry Course for upper level undergraduate and graduate students.

Interdisciplinary Ph.D. in Evaluation

The Interdisciplinary Doctoral Program in Evaluation (IDPE) and The Evaluation Center successfully hosted a two-day workshop on meta-evaluation for nearly 20 faculty and students of Kasetsart University in Bangkok, Thailand. The workshop, facilitated by Drs. Chris Coryn, Arlen Gullickson, and Katharine

Cummings, allowed the group to examine meta-evaluation and gain hands-on experience through case studies. The group enjoyed visiting WMU and receiving a warm welcome from President Dunn, Drs. Ginsberg, Magura, McCloud, Pyenson, and We-



President Dunn joined the Evaluation Center in welcoming students and faculty from Kasetsart University in Bangkok, Thailand.

genke as well as various staff members from The Evaluation Center. They expressed great interest in studying under the Interdisciplinary Ph.D. in Evaluation program as visiting scholars. In response, Dr. Coryn will spearhead efforts to develop a long-term relationship of collaborative research, instruction, and learning, in addition to an exchange program between IDPE students and Kasetsart University's Educational Research and Evaluation students.

College of Engineering and Applied Sciences

CEAS students devoured more than 500 hotdogs during the 2nd Annual Co-op Cookout, a three-hour opportunity for students, career advisors, and employers to meet informally. Fred Sitkins, CEAS director of co-operative education, coordinated the event, held on the Parkview Campus front lawn. Post Battle Creek and Parker Aerospace donated the hotdogs and accompaniments, respectively. Sitkins attributed the cookout's success to the "excellent support" provided by CEAS Career & Student Employ-

ment Services staff and administration, and to ASME, NSBE, Tau Beta Pi, and Theta Tau student volunteers. The picnic-style eating fest followed a "Co-op Spring Info Session" by Parker, which offered students an afternoon of information on the company and its employment opportunities. Similar information sessions had been offered by Post, Stryker, and Eaton Galesburg for the three weeks preceding the cookout. Each week, one company spent one afternoon at the CEAS campus. The companies' representatives set up a table-top display in the Parkview lobby in the early afternoon, accepted resumes and met informally for a couple of hours with students, and then presented a slide show beginning at about 4:30 p.m. The roughly two-hour show highlighted the companies' history, products, innovations, goals, and employment expectations and ended with a question and answer session. Sitkins said the weekly spring events had been so enthusiastically received that he plans to continue them this fall in a format similar to this spring's. About 25 to 45 students are expected to attend each event. "We're encouraging business and industry reps to connect with engineering and technology students for potential internships, co-ops, and full-time employment," he said. Employers interested in getting more information about the fall session program or in

scheduling a fall session for should contact Sitkins at fred.sitkins@wmich.edu or Heather Highhouse, CEAS career advisor, at heather.highhouse@wmich.edu.

Last month WMU President John Dunn, CEAS Dean Tim Greene, and the CEAS Executive Committee inducted five impressive new members into the 2007 Alumni Excellence Academy. Dr. Nick Triantafillopoulos (BSE '81 and MS '85, Paper Engineering), is Director of Technology for Performance Chemicals at OMNOVA Solutions and a member of OMNOVA Foundation board and TAPPI Coating and Graphic Arts Steering Council. He is a world recognized expert in coating process technologies and rheology. Rod Smith (MS '81, Computer Science), an IBM Fellow and Vice President of Internet Emerging Technologies, IBM Software Group, is a recognized technical leader in the industry. His team's innovations and cross-industry collaborations have enabled the rapid adoption of technologies such as Web Services, XML, Linux, Java and Ajax and Do-it-yourself application platforms. Dr. Arvon (Arv) Byle (BS '61 and MS '63, Industrial Education), retired as a WMU professor in, and for eight years chair of, the Department of Paper and Printing Science and Engineering in 1996. With his expertise in

rotogravure and flexographic packaging and publication printing, he also served on industrial technical committees and provided consulting services. Fred Lawrence (BS '70, Electrical Engineering), a venture partner for Shepherd Ventures and California Capital, the chair of Silicon Systems and Ceyx Technologies, and the director for Avaax, is a member of the Board of Directors for the San Diego State University Business School and the Florida Council of 100.



Greg Adamczyk (in chef's hat), a mechanical engineering (ME) senior, grilled more than 500 hotdogs for the 2nd Annual Co-op Cookout; Assisting him is John Bolhuis (right), ME senior, and waiting in line for hotdogs (facing camera) are seniors Marji VanHoorelbeke and Jared Champayne, both civil engineering seniors.

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He started his career in telecommunications at AT&T, where he worked while attending college. **Curt Shaneour** (BS '59, Aviation

Maintenance), president/CEO of the Shane Group in Hillsdale, Mich., is a charter member of Presidents' Forum for the Center for Entrepreneurship at Eastern Michigan University. The four-year US Air Force veteran is president of the Hillsdale County Industrial Development Commission and the former Mayor of Hillsdale.

About 130 high school students from the Kalamazoo Area Math and Science Center (KAMSC) held classes for two days last semester at WMU's Parkview Campus. **Dr. Osama Abudayyeh**, CEAS associate dean, and **Scot Conant**, CEAS student outreach and recruitment coordinator, arranged the sessions with KAMSC research director **Dr. John Goudie**. Several

CEAS faculty provided the KAMSC juniors and seniors with sessions on a variety of topics related to engineering and applied sciences. **Dr. Brad Bazuin**, Department of Electrical and Computer Engineering (ECE), lectured on recent research on Radio Frequency Identification (RFID). **Drs. Frank Severance, Damon Miller, John Gesink,** and **Raghe Gejji**, all ECE faculty,



President John Dunn (left) and CEAS Dean Tim Greene (right) with 2007 Alumni Excellence Academy inductees (L to R) Nick Triantafillopoulos, Rod Smith, Curt Shaneour, Fred Lawrence, and Arv Byle.

coordinated sessions that provided an activity in which students built and tested an electronic coin tosser. **Dr. Dean Johnson** (ECE) led a session on iPod Deconstruction and **Dr. Janos Grantner** (ECE) presented a session on digital logic. **Dr. Jan Pekarovic**, Department of Paper Engineering, Chemical Engineering, and Imaging (PCI), offered sessions on paper testing. Other PCI-directed sessions included fiber microscopy by **Dr. Matt Stoops** and thermo response by **Dr. Harold Hladky**. **Dr. Pavel Ikononov**, Department of Industrial and Manufacturing Engineering (IME) demonstrated CNC machine capabilities, and **Slobodan Urdarevik** (IME) presented sessions on 3D Solid Modeling in AutoCAD. **Dr. Karlis Kaugars**, CAE

director, introduced games programming. **Dr. Jun-Seok Oh**, Department of Civil and Construction Engineering (CCE), directed sessions in the Intelligent

Transportation in Civil Engineering. **Dr. Hubo Cai** (CCE) offered an activity in rapid global positioning. Department of Mechanical and Aeronautical Engineering (MAE) faculty provided several sessions. **Dr. Parviz Merati** and MAE grad student **Charles Davis** presented fluid measurements with pulse lasers, and **Dr. Koorosh Naghshineh** demonstrated concepts

in the Noise and Vibration lab. **Dr. Murali Ghantasala** participated in sessions in the Micro/Nano Technology lab. Abudayyeh is looking forward to future exchanges with KAMSC.

University Libraries

On Monday, May 5, **Michele D. Behr**, Off-Campus Services Librarian, hosted a group of 20 visitors from Thailand for a tour of Waldo Library and discussion about academic libraries in the US. The visitors were faculty and graduate students from the Division of Educational Research and Evaluation of Kasertart University in Bangkok, Thailand. They were on campus for a workshop at the Evaluation Center and requested to have a tour of the Libraries while they were on campus.

University Libraries was well represented at the recent 43rd International Congress on Medieval Studies. It was an occasion to showcase exhibits and collections. The exhibit of photographs depicting the "Sacred Steps on the Camino"—the pilgrimage route through northern Spain to Santiago de Compostela—brought in over 100 visitors to the rotunda of Waldo Library. A reception followed the grand opening on Thursday evening May 8. On Friday afternoon, Special Collections hosted a coffee hour so that participants in the Cistercian Studies portion of the Congress could view graduate student **Micah Erwin's** exhibit on Bernard of Clairvaux. The display, featuring St. Bernard's commentary of "The Song of Songs," drew on manuscripts, incunabula, and critical notes in Special Collections.

The Digitization Center in Waldo Library collaborated with the Medieval Academy in the presentation of a workshop on digitization for medievalists. **Paul Howell**, manager



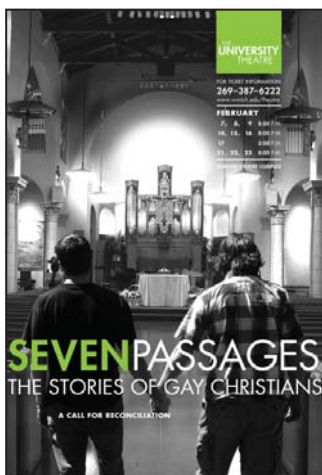
Dr. Pavel Ikononov (IME) (left) demonstrates the CNC machine's engraving capabilities for the KAMSC students.

of digitization and systems, and **Lou Ann Morgan**, coordinator of digitization projects, participated in this endeavor. The Center created banners for the Waldo atrium and the lobby of the Fetzer Center, which illustrate materials from both the Obrecht and WMU manuscript collections. Scholars attending the Congress completed papers or did personal research using reference and circulating collections during the days before and after the Congress. Others consulted special collection materials with an eye to further research. They were impressed by the depth and breadth of the collections and the very friendly and helpful manner of our faculty and staff. International visitors included: Christopher de Hamel, Cambridge, Elizabeth Freeman, University of Tasmania, Jennifer Bain, Dalhousie University, Consuelo Dutschke, Columbia, William Stoneman, Harvard, Luke Anderson, St. Mary's Cistercian Priory, and Debra Salata, Lincoln Memorial University.

College of Fine Arts

The Department of Theatre is pleased to announce its invitation to perform **Seven Passages: The Stories of Gay Christians at the Lambeth International Conference of Anglican Bishops in Canterbury, England.**

The production, originally produced by the Department of Theatre in February 2008, will be presented at the end of July on the campus of the University of Kent.



Extended University Programs

The Office of Faculty Development (OFD) is pleased to announce its programs for the 2008-2009 academic year. The office aims to help instructors at all levels (board appointed faculty, adjunct and part-time faculty, and graduate students) develop the skills necessary to implement powerful pedagogies in their teaching. The programs offer a myriad of professional development opportunities and include Faculty Learning Communities, e-Teaching Endorsement and Instructional Strategies seminar series, Cool Tools workshops, and book discussions. For more information about the 2008-2009 programs, contact **Andrea Beach**, Director of Faculty Development for ATIS at 387-4196 or andrea.beach@wmich.edu. Visit the Office of Faculty Development website at <http://atis.wmich.edu/facdev> for information on all of these offerings, including on-line teaching resources that have been vetted, annotated, and grouped by topic for easy browsing.

- The 2008-2009 Faculty Learning Community (FLC) program will focus on active and collaborative learning strategies in the classroom ~ for both smaller and larger courses. Participants in the 2008-2009 FLC will study the principles of active and collaborative learning, examine the research on strategies for active and collaborative learning, and will plan and implement strategies within a "focus course." Openings remain for the FLC.
- E-Teaching Endorsement and Instructional Strategies for Today's Students seminars will be held in summer II, fall, and spring semesters. Openings remain for the summer Instructional Strategies seminar, July 7-11, 1 p.m. to 4 p.m. Also, due to overwhelming interest, a second e-Teaching seminar has been scheduled July

28-August 1, 8:30 a.m. to 12 p.m.

- Cool Tools workshops will introduce faculty to a variety of high-tech, low-tech, and no-tech tools that can be used to enhance or complement current teaching methods, and will be held twice weekly throughout the 2008-2009 academic year.
- Book discussions will be held monthly throughout the academic year.

On April 20, 2006, Jennifer Granholm signed into law a new set of statewide graduation requirements, the Michigan Merit curriculum.

This law is a partnership between the Executive Branch, State Board of Education, Superintendent of Public Instruction, Legislature and numerous education associations. These requirements apply to students entering the eighth grade in 2006, the Class of 2011. One aspect of these new high school graduation requirements allows students to partake in an online learning experience. This can be accomplished either by successfully completing one course or learning experience presented online, or by taking classes in their high school curriculum that have an integrated online experience (MCL 380.1278a). The primary goal of this online experience is to prepare students for the demands they could encounter in the future, including higher education and the workplace. In our media-rich culture, students informally develop technology skills; however, with an online learning experience requiring them to complete assignments and meet deadlines, they can learn appropriate online behavior and effectively collaborate with others. Since technology is such an integral role in the workplace and at home, the State of Michigan believes that it is important that students in grades K-12 must have experiences where the teacher uses online resources and communication strategies. As students begin taking online courses in high school, they will most likely become

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more interested in taking online courses when they get to WMU. Academic Technology and Instructional Services (ATIS) anticipates an increase in the popularity of online courses, which would require, and hopefully encourage, more instructors and more classes. In response to this increased need, ATIS, along with academic departments, has developed new courses and programs that will be of interest to the high school population. Additionally, ATIS offers support and training for faculty interested in teaching online.

Faculty Accolades

Interdisciplinary Ph.D. in Evaluation

Dr. Chris Coryn recently coauthored and published a paper in the *Evaluation Journal of Australasia* titled *Needs Assessment in Hidden Populations Using Respondent-Driven Sampling*. [Coryn, C. L. S., Gugiu, P. C., Davidson, E. J., & Schröter, D. C. (2008). Needs Assessment in Hidden Populations Using Respondent-Driven Sampling. *Evaluation Journal of Australasia*, 7(2), 3-11].

College of Arts and Sciences

Dr. Richard (Rick) Gershon, professor of Communication, was recognized as one of three recipients of the 2007 WMU Distinguished Teaching Award. This is the university's highest teaching honor and recognizes faculty for their dedication to their students and their instructional skills. Gershon, a faculty member since 1989, is the co-founder of the Telecommunications and Information Management program at WMU. He teaches courses



Dr. Richard Gershon

in telecommunications management, law and policy and communication technology. His attention to students—taking time to meet and learn the names of every student even in large classes—inspired a former student to call one of his classes not just a learning experience, but the “Gershon Experience.” “I believe Dr. Gershon embodies what every professor should strive to attain—the combination of true passion for the courses he teaches and the ability to encourage his students to work to their full potential,” another former student wrote. Over the years, Gershon's colleagues credit him with being a leader in his field and in the development of new graduate mass communication courses for WMU. Gershon has been honored for his teaching several times, receiving the Steven H. Coltrin Professor of the Year Award from the International Radio and Television Society and the Barry Sherman Award for Teaching Excellence from the Management and Economics division of the Association for Education in Journalism and Mass Communication. In 2005, he was the recipient of the WMU College of Arts and Sciences Distinguished Teaching Award. He holds a master's degree from the University of Vermont and a Ph.D. from Ohio University. He is a founding member of the International Telecommunications Education and Research Association and an award-winning author.

The School of Public Affairs and Administration touts several recent faculty accomplishments:

- **Dr. Udaya Wagle** published “Poverty in Kathmandu: What Do Subjective and Objective Economic Welfare Concepts Suggest?” in the *Journal of Economic Inequality* (2006), presented “In-

clusive Democracy and Economic Inequality in South Asia: Any Discernible Link?” at the 2007 Midwest Political Science Association conference in Chicago, and presented two papers at the 2007 Eastern Economic Association Conference in New York City.

- **Dr. Matthew S. Mingus** published “Bounded Rationality and Organizational Influence: Herbert Simon and the Behavioral Revolution” in the recent *Handbook of Decision Making*, as well as entries on constitutionalization, global civil society and networks in Sage's new *Encyclopedia of Governance I & II*. He also presented “The Complexity of North American Perimeter Security: Moving Backward?” at the U.S. Army War College's Proteus Futures Academic Workshop this past summer and “The New Public Management and Democracy in Canada: A Recipe for Scandal?” at the Third Transatlantic Dialogue in Newark, Del.

- Not to be outdone, **Janice Maatman** was tenured and promoted to Faculty Specialist II, and six of her American Humanities students received NextGen Leader awards. Each of them will receive a \$4,500 scholarship to cover living and educational expenses while completing an internship with a nonprofit organization. They also will be recognized at the 2008 American



Dr. Matthew S. Mingus



Janice Maatman

Humanics Management/Leadership Institute held January 3 - 6 in Kansas City. These students were

Christopher Moore and **Michael Gregor** who interned with Kalamazoo Collective Housing; **Amanda Torrens** interned with the American Red Cross; **LaShawnda Taylor** interned with Constance Brown Hearing and Speech Center; **Katie Lindner** interned with Kalamazoo County Child Abuse and Neglect Council; and **Jessica Barron** who interned with Big Brothers/Big Sisters.

English professors Eimers and Feffer recently received awards from the College of Arts and Sciences. **Nancy Eimers** was recently awarded the College of Arts and Sciences Faculty Achievement Award in research/creative activity. This award is based on the accumulated record of a faculty member's outstanding scholarly achievements in research and creative activity. These achievements may be philosophical, historical, literary, scientific, or technical and must constitute significant contributions to understanding and portraying the human condition or the natural world. **Steve Feffer** received the College of Arts and Sciences Faculty Achievement Award in teaching. This award is based on the accumulated record of a faculty's outstanding teaching, including graduate and undergraduate classroom instruction, mentoring, independent study, field work, laboratory work, thesis and dissertation advising, undergraduate and graduate advising, curriculum innovation or any other work in which the faculty interact with students to promote learning.

Katherine Joslin has been named a Fulbright Senior Specialist. She is scheduled to visit Minu-

fiya University, Egypt, for one month in the spring of 2008. Senior specialists are intended to increase the participation of leading U.S. scholars and professionals in Fulbright academic exchanges, encourage new activities that go beyond the traditional Fulbright activities of lecturing and research, and promote increased connections between U.S. and non-U.S. post-secondary academic institutions. Joslin is featured on the Fulbright web pages: <http://www.fulbright-egypt.org/>.

Christopher Nagle recently learned that he is this year's recipient of the American Society for Eighteenth Century Studies/Keough-Naughton Institute for Irish Studies Fellowship. This short-term ASECS Fellowship will provide a stipend to cover a one-month residence at the Keough-Naughton Institute during the summer and full access to the considerable resources of the Hesburgh Library Irish Studies and Eighteenth-Century Studies collections. The world-renowned holdings of the Department of Special Collections have been augmented substantially by the recent acquisition of the remarkable Loeber Collection of Irish Fiction, exploration of which will serve as a high-point of the residency.

College of Education

Dr. Karen Blaisure, professor in the Department of Family and Consumer Sciences Department, presented "The Deployment Cycle" on April 10. The seminar addressed experiences common to friends and family of deployed or deploying military service personnel. The event was sponsored by the Advocacy Office for Transfer Students and Military Affairs.



Dr. Karen Blaisure

Dr. Linda Dannison, chair in the Department of Family and Consumer Sciences, has been invited by the Council for the International Exchange of Scholars to serve as a reviewer on the 2008-09 Sociology and Social Work Peer Review Committee for the Fulbright Senior Specialist Program.

Dr. Marcia Feters, associate professor in the Department of Teaching, Learning and Educational



Dr. Marcia Feters

Studies, has been appointed by the National Science Teachers Association to the National Council for Accreditation of Teacher Education Board of Examiners. Feters will be assigned

to visiting teams to evaluate teacher education programs across the nation. The initial appointment is for three years. Feters has served as an NSTA/NCATE Specialty Professional Association Program Reviewer for the past eight years. In reviewing SPA reports and in serving as an NCATE examiner, her work represents significant engagement in ongoing assessment programs to ensure quality teacher preparation.

Dr. Alan J. Hovestadt, professor in the Department of Counselor Education and Counseling

Psychology, received an American Counseling Association Presidential Award for 2008. The award was presented in recognition of more than three decades of service as a counselor educator, mentor and advocate for inter-professional collaboration.



Dr. Alan J. Hovestadt

Lee Honors College

The Lee Honors College honored four members of the University staff and faculty at its April graduation ceremony. Margaret Hamilton, Director of Academic Services for the College of Fine Arts was presented the college's

Distinguished Service Award for her career-long service and mentorship of honors students. Dr. Rand Johnson, Professor of Classics in the Foreign Language Department, Dr. Harold

Glasser, Associate Professor, Environmental Studies, and Kathi Fuller, Master Faculty Specialist, Holistic Health were named Faculty Fellows of the Lee Honors College for excellence in teaching and mentoring of honor students.

College of Engineering and Applied Sciences

Dr. Tarun Gupta, a professor in the Department of Industrial and Manufacturing Engineering (IME), mentored a team of area high school students that won a Regional Finalist award in the First Overdrive 2008 FIRST Robotics Competition West Michigan Regional last month in Allendale, Mich. Team 1677, who call themselves the Quantum Ninjas, finished 5-3 in the qualifying rounds. For this year's competition, the Ninjas had six weeks to design and build a robot that could move 40-inch inflatable track balls along racing lanes that

surrounded a 27-by-54 foot carpeted field. The robot's objective was to move the balls around the track as fast as possible. Gupta coordinated the team that included students from the Kalamazoo Area Math and Science Center (KAMSC) and four area high schools: Gull Lake, Kalamazoo, Mat-tawan, and Portage. Gupta acknowledged IME graduate assistant Srinivas Ghattamaneni for his support. Others



Some of the members of WMU's Quantum Ninjas' team at the 2008 FIRST Robotics regional competition: (left to right): Neha Gupta, Chelsea Angel, George Kravchenko, Erik Smith, Srinivas Ghattamaneni, Dr. Tarun Gupta, Kes Nagler, Agne Sriubaite, and Brandon Nagler.

who assisted included IME Lab Coordinator Glenn Hall, CEAS student Brad Lee and Bill Forshey, an industrial mentor. The team parents helped with logistics and food during the three days at the event location. This year's team sponsors were General Motors, Techcare, and WMU. Gupta has been mentoring FIRST teams for the last four years. In 2005, WMU's team won the Highest Rookie Seed Award. Gupta is presently planning for the 2009 competition. That challenge will be announced the first Saturday in January 2009, and the completed robot will be due around Feb. 20, 2009. "We welcome any area students interested in the robotics competition," he said. "Mentors and community support are very important and very much appreciated." Gupta is also interested in establishing a FIRST Robotics Scholarship to encourage high school students who have worked on FIRST projects to attend WMU. For more information on FIRST projects, email Gupta at tarun.gupta@wmich.edu.

For the fifth year in a row, an after-school program held at the Kalamazoo Boys & Girls Club continues to offer Lake Street neighborhood public school students an opportunity to learn about science: to make slime, to create circuit boards, to build Lego structures, and blow up fake volcanoes. During the 2007-08 school year, up to 25 elementary-school-age students participated in weekly sessions sponsored by the Engineering Design Center for Service Learning (EDCSL). The program is directed by Dr. Andrew Kline, an associate professor in the Department of Printing Engineering, Chemical Engineering, and Imaging (PCI). Kline and WMU student volunteers provided 22 sessions this year. "The kids get very excited when WMU volunteers show a cool project for 'science-club' time," said Alyssa DeAngelis, this year's American Humanics Student Association (AHSA) student intern. The students learn about diverse science-related topics. "We offer fun projects different from their regular school activities," she said. "The kids are 100 percent involved." A lesson begins with a worksheet explaining the activity, then WMU volunteers assist



Alyssa DeAngelis (left), AHSA student intern, works with an elementary school student who is constructing a marshmallow and spaghetti foundation as part of an activity in the EDCSL program directed by Dr. Andrew Kline.

the students who work in groups. "After each project, we form a big group to discuss the projects, and then the students take the worksheets home to share with their families," she said. EDCSL was established in Fall 2003 with grants from the National Science Foundation and the Corporation for National and Community

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Service / Learn and Serve America program. Plans for the 2008-09 after-school program are presently in the works. "This internship has been a great experience for me," said DeAngelis, who graduated last month and who plans to continue with a career in the nonprofit sector. In addition to Kline, other faculty involved with the program include **Drs. Edmund Tsang** and **Betsy Aller**.

Dr. Raja Aravamuthan, the Gordon H. Sindecuse professor in the Department of Paper Engineering, Chemical Engineering, and Imaging (PCI), is hosting five students from the Indian Institutes of Technology (IIT), from May 19 through July 11. The third-year students from India's elite engineering institutions (IIT Kanpur and IIT Roorkee) will be participating in on-going research under the guidance CEAS professors including **Dr. Said AbuBakr**, PCI chair; **Dr. John Patten**, the CEAS manufacturing engineering department chair; **Dr. Ikhlas Abdel-Qader**, an associate professor in the Department of Electrical and Computer Engineering (ECE); and **Dr. Pnina Ari-Gur**, a professor in the Department of Mechanical and Aeronautical Engineering (MAE). The students will be enrolled in one-credit independent study classes for summer I 2008. This is the second year that Aravamuthan has coordinated the summer program that represents a collaboration of CEAS and the Hanicke International Graduate Education (HIGE). "This program benefits the students who gain experience in conducting research," he said. "It also enables the professors to observe the students' abilities in research and the potential for future graduate

studies." At the conclusion of the program, the students will submit written reports to their advisors and make oral presentations to the CEAS faculty and students. For more information, contact Aravamuthan at raja.aravamuthan@wmich.edu.

In April, **Dr. Sam Ramrattan**, a professor in the Department of Industrial and Manufacturing Engineering (IME) and a specialist in metal casting, traveled to Nagoya, Japan, to meet with representatives at Sintokogio Ltd., a company that makes casting equipment, and to review the first-year results of research on aeration sand molding technology. He also proposed and received approval for a second year's study. **Ron Davis**, a manufacturing technology senior who presently works at DENSO and who is interested in working abroad, accompanied Ramrattan on the trip. "Ron is working with me on senior design project in casting, and he was very excited about the trip," Ramrattan said. They toured Sintokogio, which Davis described as a "campus" because of the numerous buildings. Davis was impressed with



WMU visitors with Japanese hosts at Sintokogio, Ltd.: (from left) Atchi Nagai, Sinto's president, Dr. Sam Ramrattan, IME professor, Ron Davis, UEM senior, and Dr. Hiroyasu Makino, Sinto's director of research.

the efficiency of the Japanese foundry but concerned about safety. "With a handful of people, it was twice as productive as a US foundry with more workers," he said. "But, I saw workers wearing loafers who were pouring metal, and safety glasses were not used, and that's so different from what's allowed in the US." For Davis,

the Toyota Industrial Museum visit combined his love of cars and of manufacturing. "It was the most interactive museum I have been to," he said. He also enjoyed having a traditional dinner at the home of Dr. Hiroyasu Makino, Sinto's director of research. Davis discovered that he likes sushi and was surprised to learn that foods like eel and puffer fish can kill. "The chef is required to take special training so he

doesn't kill you by cutting the fish incorrectly," he said. Davis shopped at an underground subway mall

where many "ride just to shop." Davis enjoyed the trip and was impressed by Japanese culture. He described his first trip abroad as "energizing."

About 30 civil and construction engineers gathered at WMU's Parkview Campus to examine problems and innovations in bridges at this year's "Bridge Design, Management, Assessment, and Rehabilitation Techniques Workshop." The event, held early this month, was organized by **Dr. Sherif Yehia**, associate professor in the Department of Civil and Construction Engineering (CCE); **Dr. Haluk Aktan**, CCE chair; and **Dr. Osama Abudayyeh**, CEAS associate dean. Yehia said that this year's conference offered "a balance of perspectives on bridge inspection." "We have the national perspective from the Federal Highway Administration (FHWA), and [Michigan Department of Transportation] for the local perspective," he said. "We also have some European applications so we can compare how it's done there to what we do." Four



Dr. John Patten (left), the CEAS manufacturing engineering department chair with Pretty Khare, an IIT student who took part in last year's IIT Program. Patten will be hosting another IIT student this summer.

saw workers wearing loafers who were pouring metal, and safety glasses were not used, and that's so different from what's allowed in the US." For Davis,

speakers presented various perspectives on bridge management. Larry D. O'Donnell, PE, reviewed FHWA initiatives and commendable bridge-inspection practices. Jagan Gudimetla, PE, described the durability testing done by FHWA's Mobile Concrete Lab. Richard M. Smith, PE, presented changes to Michigan's bridge inspection program. Benoit Kroely shared information about the bridge maintenance program applied by European toll bridge agencies and the Bulgarian bridge inspection process. Workshop sponsors included WMU, the CEAS, the CCE department, the Southwest Michigan Chapter of the American Society of Civil Engineers (ASCE), and APWA.



Organizers and participants in this year's "Bridge Design, Management, Assessment, and Rehabilitation Techniques Workshop" included (from left) Richard M. Smith, Dr. Sherif Yehia, Larry D. O'Donnell, Dr. Osama Abudayyeh, Dr. Haluk Aktan, Benoit Kroely, and Jagan Gudimetla.

Herman Melville and Walt Whitman. In addition, Curtis-Smith, who is a WMU professor of music, performed three piano etudes from a set of twelve which were included in the repertoire list for the prestigious Van Cliburn International Piano Competition.

Professors Tom and Renata Artman

Knific, School of Music, were invited to present a week residency as artists in residence at the China Conservatory as well as additional teaching at the Central Conservatory. These schools are China's premiere musical education institutions. The Knifics also performed a recital of all contemporary American music, much of it composed by Tom Knific, as well as works by Richard Einhorn and William Bolcom. The couple also premiered Tom Knific's newest work, a duo for double bass and violin, "Zhang Song," composed in honor of the Zhang family, who were principal hosts of this residency. The Zhang family is well connected to WMU as well. Shijiao Zhang completed her first year of a M.M. degree in double bass performance, and her cousin, DaXun Zhang, one of the most celebrated young bassists in America, has presented two residencies for the School of Music under the aegis of the Bullock Performance Institute.



Renata Artman Knific

WMU pianists Lori Sims and Yu-Lien The presented a duo recital for the recent Gilmore International Keyboard Festival. The duo celebrated the centennial of Olivier Messiaen's birth by performing one of his great works, "Visions de l'Amen" (Visions of the Amen), on May 5. The piano was an essential part of Messiaen's creative genius, and this two-piano work is one of his masterpieces. Sims was featured on three other occasions. She performed as soloist with the Gilmore Festival Chamber Orchestra on May 2 in Kalamazoo and May 3 in Grand Rapids, and presented a master class on May 9.



Yu-Lien The

College of Fine Arts

The music of C. Curtis-Smith, School of Music, came to life with the composer at the piano and the help of a guest vocalist on May 19 in Dalton Center. The concert featured soprano **Mary Bonhag** and will also be performed in June in Ann Arbor's Kerrytown Concert House. The concert consisted of three song cycles:

"Chansons innocents" (poems of e.e.cummings); settings of five Theodore Roethke poems; and a Civil War song cycle, with poems by



C. Curtis-Smith

Graduate College

One hundred is a reason to celebrate! The academic year 2007-2008 will see more than one hundred doctorates conferred by Western Michigan University. For the first time since the Graduate College's inception in 1956 we stride forward into the land of three digits. The Graduate College would like to acknowledge the dedication of the graduate faculty at Western Michigan University for their efforts in assisting students with research and scholarship. It is the dedication of the graduate faculty that has produced this achievement.

University Libraries

Michele D. Behr, Off-Campus Services Librarian, and Julie L. Hayward, Resource Sharing Assistant,

Continued on next page

presented the paper "Do Off-Campus Students Still Use Document Delivery? Current Trends" at the Off-Campus Library Services Conference in Salt Lake City, Utah, on April 24.

Dr. Susan Steuer, Special Collections Librarian, organized a panel: "Manuscripts in North America: Repositories for Researchers in Medieval Studies" at the Medieval Congress. She presented a paper, "Recreating a Cistercian Library: The Obrecht Collection at Western Michigan University." Dr. Barbara Cockrell, Associate Dean, moderated the session.

Dr. Joseph G. Reish, Dean, University Libraries and Professor of French, presented the keynote address for the annual research day at Western Connecticut State University, May 8, 2008. His presentation was titled: "A Culture of Inquiry: The Long and Winding Road to Eureka (With Apologies to Paul McCartney and Archimedes)."

Center for Academic Support

Charlotte Giscombe, Program Services Coordinator of TRIO Student Success Program, received a research grant of \$1,000 from the WMU Graduate College to

continue work on her dissertation. The Graduate Student Research Fund was established to support graduate students engaged in independent scholarly research, scientific inquiry, inventive technology, and original artistic activity. The awards start at \$600 and go up to \$1000, and graduate students may receive



Charlotte Giscombe

two such awards. This is Charlotte's second award.

Charlotte Giscombe, Program Services Coordinator of TRIO Student Success Program, presented at the 12th Annual Black Graduate Student Research Conference, held April 12 at Northwestern University, Evanston, Mich. Her topic was First-Generation, Income-Eligible Peer Mentor Study. This was an opportunity to present her dissertation to other scholars and have them critique her research.

Scott Williams has been appointed as Acting Director of the Writing Center during the month of June while the Director is on leave to care for a family member. Scott graduated from WMU in 2007 with a major in English (English Literature and Language) and minor in Communication. He was Vice President of Sigma Tau Delta, the International English Honors Society. He has been active in the English Department during the past year, serving on the search committee for the new Chair and serving as teaching assistant for the Film Interpretation class.



Scott Williams

Kim Ballard, Director of the Writing Center, served as a peer reviewer for the Writing Lab Newsletter for the 2007-08 academic year and has been invited to continue in that role.

College of Health and Human Services

Eric Vangsnes, Chair of the Physician Assistant program, has

been appointed to the Educational Council for the American Academy of Physician's Assistants (AAPA) for a three-year term starting in June 2008. The council, comprised of six members from throughout the country, addresses issues such as continued medical education and competencies for physicians assistants.



Eric Vangsnes

Robert Wall Emerson, Associate Professor, Blind and Low Vision Studies, won the award for Best Overall Presentation out of about 150 oral and poster presentations at the MSU/KCMS Research Day event held at Fetzer Center on April 16. He presented The Alphabetic Braille and Contracted Braille Study, a longitudinal study funded primarily by the American Printing House for the Blind (APH) with support from the Canadian Braille Authority and the American Foundation for the Blind. Researchers from ten universities took part in the study over the past six years. Initial findings have been presented at the APH annual meeting, the Literacy Conference and assorted other conferences. Presentations are planned for this summer at the International Conference for the Association for the Education and Rehabilitation of the Blind and Visually Impaired in Chicago.

Student Accolades

College of Aviation

Western Michigan University's precision flight team, the Sky Broncos, finished in fourth place at the National Intercollegiate Flying Association championship that concluded May 10 at Middle Tennessee University in Murfreesboro, Tenn. The Sky Broncos came in behind three of the team's longtime rivals, making this year's finish a replica of the 2007 finish. Embry Riddle Aeronautical University-Prescott captured first place, and the University of North Dakota and Embry Riddle Aeronautical University-Daytona, took second and third places, respectively. The six-day competition concluded with a Saturday evening awards ceremony at which the final results were announced. The annual competition attracted more than 400 pilots from teams representing 31 of the top aviation schools in the nation. Each school earned the right to compete at nationals by winning or placing second in regional competition. Teams accrue points to determine final standings by having individual team members place in the top slots in the competition's 11 judged flight and ground events. The Sky Broncos placed third overall in ground events and sixth in flight events. This is the 17th consecutive year the WMU team has been among the top four teams in national competition. The team

last won the national title in 2002. Leading the Sky Broncos in scoring this year was April graduate **Benjamin Lauer** of Alpena, Mich., who finished in third place among all male contestants and seventh in the top-pilot standings. He also was named the WMU team's top competitor for the competition and was honored as NIFA's Region II top pilot. A 2007 WMU graduate **Jennifer Jakubiec** of Commerce Township, Mich., came in third overall in the top female-pilot standings.

Haenicke Institute for Global Education

WMU's German and Japan exchange partners net full-ride scholarships for two Michigan natives. Selection for both scholarships is based on academic achievement and language proficiency by a jury that includes faculty and Haenicke Institute staff. The application deadline is in early December each year. **Janelle Garchow**, a junior from Belmont, Mich., has been awarded the Keio University Exchange Scholarship to attend the Tokyo



Sky Broncos extend top-four streak in national competition.

university for the 2008-09 academic year. Beginning in September, Garchow will spend 11 months in an intensive Japanese language program at Keio, which will involve about 25 hours a week of instruction. She also plans to take

non-language courses applicable to her major in economics. Keio is a private, co-educational university and the oldest institution of higher education in Japan. WMU and Keio have been exchange partners since 1961. Garchow's scholarship, valued at nearly \$20,000, covers two semesters of study, including tuition, room &

board, and some personal expenses. **David Gregg**, a senior from Houghton, Mich., has been awarded the Freie Universitat Berlin Scholarship to attend the German university for the 2008-09 academic year. Beginning in October, Gregg will spend 10 months in an intensive German language program at FUB, which will involve about 25 hours a week of instruction. He also plans to take non-language courses applicable to his major in psychology. Freie Universitat Berlin was established in 1948 and today is a large, urban university of 42,500 students. WMU and FUB have been exchange partners since 1963. Gregg's scholarship, valued at nearly \$20,000, covers two semesters of study, including tuition, room & board, and some personal expenses.

Two WMU students win major National Security Education Program awards. **Courtney Marie Buck**, a political science graduate student working on a master's degree in international development administration, was recently awarded a Boren fellowship worth more than \$19,000 from the National Security Education Program. Buck was one of 92 recipients selected from a pool of 388 applications. NSEP focuses on the critical languages and cultures of Asia, Africa, Eastern Europe, the Middle East, and Latin America. Participants are involved in innovative, intensive, and long-term programs designed to provide meaningful opportunities to gain significant competencies in these languages and cultures. A native of Broomfield, Colo., Buck will spend 10 months beginning in late May working with faculty at the University of Nairobi to study the viability of promoting a particular biofuel crop, jatropha curcas, as a catalyst for improved energy security and rural development in Kenya. **Jamie LeBlanc-Hadley**, a senior majoring in global and international studies with a minor in Chinese, was recently awarded an NSEP Boren Scholarship worth \$11,300 to

Continued on next page

attend Beijing Language and Culture University for the 2008-09 academic year. LeBlanc-Hadley was one of 150 scholarship recipients from a pool of 697 applications. She also was awarded a WMU President's Grant for Study Abroad worth \$8,000. While in China, LeBlanc-Hadley will be working on her senior thesis projects for the Lee Honors College that focuses on Chinese economic policy, primarily in Tibet. Her husband, Daniel Hadley, a WMU junior, will also be studying at BLCU, where they will take intensive Chinese courses, in addition to other academic courses applicable to their degrees. NSEP is unique in the commitment of its award recipients to proceed into public service upon completion of their academic studies. Each NSEP award recipient must demonstrate a commitment to bring his or her extraordinary skills to the Federal Government through employment within one of its many agencies and departments.

College of Education

Nine graduate students from the Department of Counselor Education and Counseling Psychology participated in this year's 2008 International Counseling Psychology Conference in Chicago. The theme of this year's conference, the first of its kind as an international forum for the field of counseling psychology, was "Creating the Future: Counseling Psychologists in a Changing World." The doctoral program in Counseling Psychology was well-represented with three poster sessions and one roundtable presentation featuring:

- "Relational Cultural Theory (RCT) Based Supervision," by **Julie Davis** and **Amy Cavanaugh** with Karyn Boatwright (Kalamazoo College), Bridget Nolan, and Emily Yeagley (University of Akron).

- "Understanding Acculturation: Experiences of Male Arab Muslim Immigrants Living in the United States of America," by **Nancy Hammoudah**.
- "Keeping It Black and White," by **Kristin Gillen, Kenlana Burton, Victoria Cane, Bianca Fetherson, and Jody Tomko**.
- "Strategies for Research with Religious Minority Populations," by **Nancy Hammoudah** with Innocent Okozi (Seton Hall University), Ben Beitin (Seton Hall University), Amanda Leinau (Alfred University), and Arpana Inman (Lehigh University).

Lauren Kenny has been named **Presidential Scholar in the Department of Teaching, Learning and Educational Studies**. Kenny is from Hoffman Estates, Ill., and graduated in April majoring in elementary education as well as Spanish. Following graduation, she plans on teaching middle school mathematics, science or Spanish and plans to pursue a master's degree to keep current as an educator shortly after starting her career. Her three teaching internships represent

diverse learning experiences that have allowed her to teach reading and literary skills to second graders, all subject areas to fourth graders, and Spanish and science to middle

schoolers. While at WMU, Kenny studied abroad in Spain for two months. She has received such honors as a College of Education scholarship, the Travel/Study Abroad Award in Spanish, and a Kappa Delta Pi Educational Foundation Scholarship. She consistently appears on the dean's

list and is President of the campus chapter of Kappa Delta Pi, the International Educational Honor Society for Educators. As a member of this organization, she serves in WMU's student government and works within the community. Kenny has been a substitute teacher, an elementary school volunteer helping students become better readers and writers, and a volunteer tutor for middle and high school students. In her free time, she also directs and coaches the local figure skating program twice a week.

The WMU Chapter of Phi Delta Kappa honored student leaders of WMU's Student Education Association and Kappa Delta Pi chapters during its annual Spring Banquet on April. Faculty Advisors **Patricia Stringham** (KDP), **Dr. Allison Baer** (SEA), and **Allison Downey** (SEA) were recognized for their support of the groups' efforts. Both chapters have contributed a great deal to the community through projects such as a Read-a-thon to benefit the local juvenile home, Scholastic Book Fair, Toys for Tots Holiday Toy Drive, making blankets for the local homeless shelter,

and attending conferences. The leaders of the WMU Chapter of Phi Delta Kappa have offered professional and financial support to SEA and KDP this year, forging a dynamic partnership."

The Interior Design Senior Show featuring

Angela Thomas, Ashley Steinbach, Beth Bishop, Janice Marchetti, and Mandie Bazan held its closing reception in March.

The Department of Health, Physical Education and Recreation Academic Honors Academy inducted



Allison Downey (Faculty Advisor), SEA Executive Board members - Allison Fluke, Kara Blaharski, Sarah Struett, Dr. Allison Baer (Faculty Advisor).

six outstanding alumni April 5.

These alumni demonstrated a combination of exemplary professional accomplishments, leadership roles, expertise in their respective fields, and professional and community service.



From left to right: Deborah (Armack) Schafer (1992), Paula Serra (1970), Dennis Mayer (1974), Al Widner (1970), Richard Ames (1975, 1978), and Susan Duda-Osborne (1992).

Chicago-land Pops Orchestra in a concert featuring Johnny Mathis Saturday, May 31, in the Rosemont Theatre in Rosemont, Ill. WMU's globe-trot-

ting, singing-and-instrumental group will sing five pieces with the orchestra, some of them plucked from the repertoire that people know Gold Company for, including "Route 66," "Georgia on My Mind," "It Had to be You" and "My Country Tis of Thee," plus some a capella selections. There's a possibility Gold Company members may sing background vocals for Mathis himself. That won't be determined until the day of the concert and Mathis has a chance to check Gold Company out for himself. Regardless, this is a great opportunity for Gold Company, says Dr. Stephen Zegree, the WMU Bobby McFerrin professor of jazz. More than 3,000 tickets have already been sold for the concert.

arship, a \$5,000 scholarship to support travel for the purpose of pursuing original research or study abroad by students in the Lee Honors College.

- Nicole Vanderhoff, Kathryn Cooney, Willem Renzema, Daniel Frandsen, Elizabeth Brand, Caleb Williams, Michael Gregor, and Lucy Kurtz received the Dean's Summer Research Thesis Scholarship, a \$2,500 scholarship created to provide a degree of financial assistance to students who will conduct research on a thesis project in the summer between their junior and senior year.
- Jack Winkelbauer, Neil Blok, and Rachel Olson are recipients of the Seibert WMU Undergraduate Research and Creative Activity Award, a \$1,000 award designed for students at Western Michigan University who are committed to conducting significant research and creative projects.

Kerry A. McMartin has received the Colin J. Gould Memorial Scholarship, a \$500 scholarship given to a Lee Honors College student majoring in the biological sciences. This award was established as a memorial to the late student Colin J. Gould.

Interdisciplinary Ph.D. in Evaluation

IDPE students Cristian Gugiu and Daniela Schröter recently coauthored and published a paper in the *Evaluation Journal of Australasia* titled *Needs Assessment in Hidden Populations Using Respondent-Driven Sampling*. Coryn, C. L. S., Gugiu, P. C., Davidson, E. J., & Schröter, D. C. (2008). Needs Assessment in Hidden Populations Using Respondent-Driven Sampling. *Evaluation Journal of Australasia*, 7(2), 3-11.

College of Fine Arts

Senior BFA dance major Adam Crain was invited to join the Dayton Contemporary Dance Company after an audition on May 9, 2008 in Dayton, Ohio. Junior dance major Jeremy Neal was invited to join the apprentice company. Dayton Contemporary Dance Company performs internationally, and is one of a handful of dance companies that are repositories of dances created by African-American master choreographers.

Gold Company has been invited to perform with the



Gold Company

Lee Honors College

In April the Lee Honors College presented Summer and Fall scholarships and awards to the following individuals:

- Elizabeth Fritsch and Kathleen

LaFleur received the Carl and Winifred Lee Research Travel Schol-

College of Engineering and Applied Sciences

Dr. Tim Greene, CEAS dean, honored 16 seniors as the 2007-2008 Outstanding CEAS Students in their respective programs. The students were recognized for their high GPAs in 16 different undergraduate programs in seven CEAS departments. The outstanding students from the Department of Civil and Construction Engineering (CCE) were William Rizer, civil engineering, and Matthew Begeman, construction engineering. Honored Computer Science (CS) students were Linda Vandercook, general

Continued on next page

computer science, and **Ryan Noble**, computer science: theory & analysis. The top Department of Electrical and Computer Engineering (ECE) students

were **Mark Jochum**, computer engineering, and **Rachel Olson**, electrical engineering. The Industrial Design (ID) scholar was **Adam Dudycha**, industrial design. The

top Department of Industrial and Manufacturing Engineering (IME) students represented four programs: **Bradley Tudor**, engineering graphics and design technology; **Matthew Spenceley**, engineering management technology; **Ashley Bazzana**, industrial engineering; and **Jason Klein**, manufacturing engineering technology. The Department of Mechanical and Aeronautical Engineering (MAE) honorees included **Nicholas Horsmon**, mechanical engineering, and **Michael Weiler**, aeronautical engineering. The award-winning students in the Department of Paper Engineering, Chemical Engineering, and Imaging (PCI) were **Brock Brockway**, paper engineering; **Steven Eick**, chemical engineering; and **Jessica Baker**, imaging: business. The awards were presented at a luncheon for which each student invited his or her most supportive faculty member.

IME's top students were honored this month at the annual Student Recognition Luncheon provided by Clausing Industrial Inc., which has supported IME programs for 55 years. The top students represented eight IME programs: undergraduate: engineering graphics and design (EGR), industrial engineering (IEN),

manufacturing technology (MFT), and engineering management (UEM) and graduate – Ph.D. in industrial engineering and master's – industrial



CEAS dean, Dr. Tim Greene (right), recently honored 16 seniors (left to right): Steven Eick (PCI), Brock Brockway (PCI), Linda Vandercook (CS), Mark Jochum (ECE), Ashley Bazzana (IME), Matthew Spenceley (IME), Jessica Baker (PCI), Jason Klein (IME), Rachel Olson (ECE), William Rizor (CCE), Bradley Tudor (IME), Michael Weiler (MAE), Nicholas Horsmon (MAE), Adam Dudycha (ID). Missing from photo: Matt Begeman (CCE) and Ryan Noble (CS).

engineering (IENM), engineering management (ENMN), manufacturing (MNEM), and operations research (OPRN). **Benjamin Smith** was honored as IME's 2008 top scholar. He acknowledged Dr. Bob White as his choice as outstanding faculty. The CEAS Dean's scholars are **Jason Klein** (MFT), **Ashley Bazzana** (IEN), **Brad Tudor** (EGR), and **Matt Spenceley** (UEM). The IME Departmental Outstanding Undergraduate students include **Jason Klein** (MFT), **James Vlieg** (EGR), **Courtney Rawlings** (EGR), **Robert Barden** (EGR), **Shannon Bowerson** (IEN), and **Michael Sell** (UEM). IME's Outstanding Graduate students are **Elizabeth Evans** (OPRN), **Michael Hoonhorst** (IENM), **Jay Morrison** and **William Crocker** (ENMN), **Jai Thomas** (IE Ph.D.), and **Adil Abdelwahab** (MNEM). Scholarship winners are as follows: **David G. Heath**, Clausing Industrial Scholarship (2007); **Aarti Valsadia**, Leo S Rayl Scholarship; **Ben**

Smith, **Krisana Gutierrez**, and **Josh Wiese**, E-week Scholarship; **Thomas Sutton**, Herbert Ellinger Scholarship, **William Ruhl**, Saginaw Valley Chapter of the American Foundry Society (AFS) Scholarship; **Aaron Beattie**, **Kyle Beyer**, and **Michael Horvath**, Foundry Educational Foundation (FEF) Outstanding Student Scholarships; **Yenni Chen**, Krisana Gutierrez, and **Aarti Valsadia**, Kellogg's IE Scholarships; and **Andrew Voss**, IME Undergraduate Scholarship. IME 1420 Awards were also acknowledged: IME 1420 TA Award winners **Jonathan Zolp** and **Trent Kenworthy** and IME 1420 AutoCAD Contest winners **Garrett Beulle** and **Neil Hubers**. The event was organized by **Tom Swartz** and emceed by **Dr. David Lyth**, both IME faculty. CEAS Dean **Tim Greene** and IME Chair **Paul Engelmann** assisted in the presentation. Also acknowledged were officers and advisors of 10 student and honor societies.

Jessica Hartl, a first-year honors student from Wayland, won the Fall 2007 AutoCAD competition. A mechanical engineering major with minors in mathematics and physics, she is the first female to win the award. Hartl credited a strong high school background for providing her with an edge over the competition. Pres-



IME Awards winners (left to right) Yenni Chen, Jay Morrison, Krisana Gutierrez, Brad Tudor, William Crocker, Courtney Rawlings, Shannon Bowerson, Jim Vlieg, Aarti Valsadia, Jason Klein, Ben Smith, Michael Hoonhorst, Elizabeth Evans, Adil Abdelwahab, and Jai Thomas.

ently a member of both the national technical honor society and Alpha Lambda Delta, she would like a career

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in the auto industry. **Phillip Swanson**, a mechanical engineering freshman from Charlotte, won second place. A music lover, he aspires to build airplanes at Boeing or Lockheed. Third place went to **Ryan Rader**, an aeronautical engineering honors freshman from Marcellus, hopes to design planes someday at Lockheed Martin. In a ceremony held this month in the main CEAS lecture hall, **Slobodan Urdarevik**, the lead faculty for first-year engineering graphics course, described Hartl's entry as being "perfectly drawn." The AutoCAD competition is held at the end of each semester for the more than 300 students enrolled in the IME 1420 Engineering Graphics. Students create a two-dimensional AutoCAD drawing and a 3D-solid model of a complicated part and show all dimensions and symbols needed for manufacturing. "This competition allows students to show that they have achieved the goals of the class," Urdarevik said. The award was presented before an audience of students enrolled in and eligible for the Spring 2008 competition. **Dr. Paul Engelmann**, Department of Industrial and Manufacturing Engineering chair, praised the winners for accepting the challenge for taking "the opportunity to stretch." The winners received engraved plaques donated by Dr. Hooks, Inc., a Kalamazoo-based business, and

gift certificates donated by Best Buy. Urdarevik began offering the drawing competition to motivate students



Posing before the winning entry of the Fall 2007 AutoCAD competition awards ceremony are (left to right) Dr. Paul Engelmann, chair of the Department of Industrial and Manufacturing Engineering; Ryan Rader, third place; Phillip Swanson, second place; Jessica Hartl, first-place winner, and Slobodan Urdarevik, the lead faculty of IME 1420, the first-year engineering graphics course.

when he came to WMU in Fall 2004. For more information, contact Urdarevik at slobodan.urdarevik@wmich.edu.

The WMU Pegasus chapter of the American Institute of Aeronautics and Astronautics (AIAA) hosted the AIAA Region III Student Conference Competition Program at the CEAS Parkview Campus in April. The event was hosted by Travis Iott, WMU AIAA chapter president, and **Dr. Kapseong Ro**, chapter adviser. The two-day event included student competitions, a young professional

program, key note lecture, and awards ceremony at the Kalamazoo Air Zoo. Competing for prizes were 12 graduate and 12 undergraduate papers and presentations, evaluated by judges from NASA, Air Force Research Lab, General Electric Aviation, Rolls

Royce, and Battelle Memorial Institute. Two WMU presentations won awards in the undergraduate division. **Karl Madon**, a MAE senior, won

third place in the AIAA Foundation Student Competition with \$250 prize for his paper on "Vision-based Roll Stabilization of an UAV" based on his senior design project; Ro served as project advisor. **Mini Mathew** and **Chris Deatrick** earned third-place honors in the AIAA Region III Competition with \$100 prize for "Propeller Thrust Efficiency Analysis and Test Bench Design." Presenters were from University of Michigan, Kent State University, University of Dayton, University of Notre Dame, University of Kentucky, Ohio State University, Michigan State University, and Purdue University. Ohio Northern University and WMU alumni also attended.

Greg Platz, an April 2007 alum now at General Electric Aviation, said that the AIAA event offers students an opportunity to make formal presentations in a professional conference environment. Last year at Notre Dame, Platz and team members **Dan Russel**, now at Rockwell Collins, and **Everett Bolduc**, now at United Space Alliance, won first place with an undergraduate presentation on the free-wing tilt body UAV, a senior design project that Ro also advised. **Kaushik Raghu**, an April 2006 alum now at Rockwell Collins, participated in previous conferences at Ohio Northern and Ohio State.

Fourteen members of the WMU student chapter of the American Society of Civil Engineers (ASCE) took a concrete canoe named Meridian to the ASCE 2008 North Central Regional Conference and Concrete Canoe competition at Michigan State University in East Lansing, last month. This year's competition consisted of four parts: a design paper, an oral presentation, a final product display, and five races. WMU Project Coordinator **Matt Czachowski**, a civil engineering major, said the team finished in sixth place overall. "We improved a lot from last year," he said. "And we learned a great deal that will help us next year." One thing he said



Mini Mathew (right) and Chris Deatrick demonstrate propeller thrust efficiency analysis at the AIAA Region III Conference Competition held at the WMU Parkview Campus.

the team learned is that Meridian performed better backward than forward. "Knowing that will definitely help in the next design," he said. In addition to what the group learned, WMU's team also placed in several competitive events. **Allison Porrett, Britney Richmond, and Kim Warners** won third place in the women's endurance competitions. Porrett and **Marianne Zenz** won fourth in the women's sprint race. Fourth place honors were



Team members pose with Meridian - this year's entry in the ASCE 2008 North Central Regional Conference and Concrete Canoe competition. Kneeling, from left: Kim Warners, Britney Richmond, Allison Porrett, and Marianne Zenz. Standing, from left: Paul Pagano, Steve Houwen Phil Reitenour, Tin VanStraten, Brian Iskra, Nick Francis, Mike Romkema, Matt Czachowski, Dan Robinson, and Bryce DeQuoy.

earned by the WMU men's endurance team: **Phil Reitenour, Mike Romkema, and Nick Francis**; and the men's sprint team: **Paul Pagano and Tim VanStraten**. Other WMU students involved in the project include **Chad Albert, Josh Glowski, Marji VanHoorelbeke, Steve Houren, Dharmesh Valsadia, Bryce DeQuoy, Brandon Slagke, Kyle Hendrickson, Michael Wesoloski, Brian Iskra, Dan Robinson, and Andy Peruski**. **Dr. Sherif Yehia**, CCE associate professor, serves as WMU's ASCE advisor. This was the fourth time that WMU has competed. "Most of the team will be back for the 2009 competition," Czachowski said. "We're eager to start planning next year's canoe." For more information or to get involved in the 2009 competition, visit the chapter's Web site at www.wmuasce.com or email the chapter at wmu_asce_cca@yahoo.com.

College of Arts and Sciences

Communication Graduate Students Receive Awards:

- **Erich Sommerfeldt**: All-University Graduate Research and Creative Activities Scholar Award—the highest graduate student award—sponsored by Western Michigan University's Graduate College
 - **Taryn L. Krohn**: Outstanding Graduate Student Teaching Award sponsored by the Instructional and Developmental Division of the International Communication Association.
 - **Sarah Jones**: Graduate Student Teaching Effectiveness Award for the School of Commu-

nication—sponsored by Western Michigan University's Graduate College.

- 2007 School of Communication Scholars for excellence in the study of communication and overall academic excellence at Western Michigan University: **Laura Henderson and Corey Wright**.
- 2007 WWMT - Freedom Broadcasting of Michigan Scholarship for excellence in the study of broadcasting and overall academic excellence at Western Michigan University:
 - **Laura Henderson**
 - **Justin Mayle**
 - **Nathaniel Abernathy**
 - **Jillian Kurtz**
 - **Raymond Venezia**
- 2007 Burke Endowment Fund Scholarship for excellence in the study of journalism and overall academic excellence at Western Michigan University:
 - **Zachary Reichard**
 - **Corey Rhodes**

- WMUK Scholarship in Radio:
 - **Allison Gruner**
 - **Caitlin Nunes**
- **Gabriel Giron** received the Michigan Association of Broadcasters Jerry Colvin Memorial Scholarship. Giron is a FVMS major in the School of Communication.

Three physics Ph.D. students, **Ileana Dumitriu, Susanta Das, and Buddhika Dassanayake**, have been invited to participate in an National Science Foundation-sponsored Pan American Advanced Studies Institute titled, "Ultrafast and Ultrasmall: New Frontiers and AMO Physics" to be held from March 30 - April 11, 2008 in Buzios, Brazil. Dumitriu is supervised by **Prof. Nora Berrah**, while Das and Dassanayake are supervised by **Prof. John Tanis**. The students are among only about 20 chosen nationwide to participate in the institute. In addition to participating in the program, the students are expected to give oral presentations of their own dissertation research and to prepare short contributed papers that will be published as part of the proceedings. Five geography graduate students also presented papers/posters at the conference. **Filmon Fisseha** presented a paper titled "Distribution of Flouride in Groundwater in Selected Villages in Eritrea." **Eric Kerney** gave a paper titled "Prospects and Limitations of Nature-based Recreation in the City: Developing an Urban Heritage Water Trail on Portage Creek in the Cities of Kalamazoo and Portage, Michigan." **Jeffrey Reicherts** presented a paper titled "Using Composite Sampling Techniques to Monitor Bathing Beach Water Quality in Kalamazoo County, Michigan." **Malinda Van Sledright** was a co-presenter of an illustrated paper titled "Spatial Distribution of Aguaje in the Peruvian Amazon." **Cathryn Beth Whatley** presented an illustrated paper titled "Habitat Suitability Modeling for Lake Huron Tansy in the Great Lakes Region."

Congratulations to Santosh Rao who placed third in the feature-writing category as part of the Society of Professional Journalists' Mark of Excellence competition for Region 4, which includes Michigan. He was one of only nine Michigan students who landed awards for their work. Santosh won the award for his news feature article, "Treating Cataracts."

Western Michigan University's Ethics Bowl team won its regional championship and headed to the national match in San Antonio, Texas, Feb. 21. WMU won the second Upper Midwest Regional Ethics Bowl, held at the University of Wisconsin in Madison. WMU was the only undefeated team in the competition and had the highest score of any of the 10 teams at the contest. WMU has yet to lose a round in regional competition. The team's faculty sponsor is **Dr. Sandra Borden**, associate professor of communication and co-director of WMU's Center for the Study of Ethics in Society. The team is sponsored by



Ethics Bowl team members (from left) Natalie Kaftan, Linda Munnely, Shawn Myers, Chelsea Thompson, Jonathon Freye, and Joshua Thomas.

the Center for the Study of Ethics in Society with financial support from Lee Honors College and the School of Communication. WMU will host the Upper Midwest Regional Ethics Bowl on Nov. 15, 2008 in the Bernhard Center.

The International Telecommunications Education and Research Association (ITERA) announced its 2008 National Case Study Competition.

This year's case study involved designing the "campus of the future" at Cool University. The ITERA case study competition invites student project teams throughout the United States to develop solutions to applied problems involving communication and information technology. Western Michigan University's Telecommunications and Information Management (TIM) program made the final round of three. Team members are captain, **Justin Knapp**; **Ben Krupp**, School of Communication; and **Colin Cady** and **Ryan Lasure**, Department of Business Information Systems (CIS program). The WMU TIM project team was asked to analyze the structural requirements for the fictional "Cool University" and develop a blueprint for creating a technologically superior communications infrastructure. The primary objective is to enhance campus-wide technical communication and interactivity, as well as create a foundation platform that is capable of supporting future growth and expansion.



The TIM team, from left, Colin Cady, Ben Krupp, Ryan Lasure, and Justin Knapp.

• **Brian Becker**, Department of History

• **Tony Frazier**, Department of History
• **Mihaiela Ristei**, Department of Political Science
• **Jai Thomas**, Department of Industrial and Manufacturing Engineering.

Congratulations to the recipients of the Spring 2008

Graduate Student Research and Travel Fund Awards. The Graduate Student Research Fund was established to support graduate students engaged in independent scholarly research, scientific inquiry, inventive technology, and original artistic activity. This Spring's Graduate Student Research Fund recipients are: **Lydia Baber** - Medieval Studies, **Barbara Baker** - Interdisciplinary Health Studies, **Jonathan Baker** - Psychology, **Brett Blaauw** - Biological Sciences, **Elise Boneau** - History, **Steven Bova** - Health, Physical Education, and Recreation, **Christopher Breyer** - History, **David DiTucci** - History, **Amy Durgin** - Psychology, **Charlotte Giscombe** - Teaching, Learning, and Leadership, **Tina Head** - Psychology, **Derrick Hilton** - Biological Sciences, **Akemi Kishimoto** - Family and Consumer Sciences, **Joshua Koenig** - History, **Andrea Kryger** - Biological Sciences, **Jamie McCandless** - History, **Timothy Mullen** - Interdisciplinary Health Studies, **Samuel Ngovo** - History, **Amy Noack** - Geosciences, **David Piacenti** - Sociology, **Adam Ploeg** - Health, Physical Education, and Recreation, **Audrey Ritter** - Geosciences, **Erin Smith** - Chemistry, and **Brian Zeider** - Chemistry.

The Graduate Student Travel Fund was established to support

Graduate College

The Graduate College is pleased to announce that five doctoral students were recently named recipients of Dissertation Completion Fellowships for 2008-09. The fellowships are awarded in open competition and on the basis of superior scholarly achievement to assist full-time doctoral students with the completion of their dissertations. This year's recipients are:

Continued on next page

graduate student travel to meetings or events sponsored by professional organizations for the purpose of reporting the results of research, exhibiting or performing creative works, or otherwise disseminating results of their scholarly activity. This Spring's Graduate Student Travel Fund recipients are: **Ilgin Acar** - Industrial Engineering, **Marcus Adams** - Philosophy, **Season Almason** - Psychology, **Supreeta Amin** - Industrial Engineering, **Chaoli Cai** - Computer Science, **Xiaofan Cai** - Teaching, Learning, and Leadership, **Chandrima De** - Chemistry, **Rhiannon Fante** - Psychology, **Cleothia Gill** - Anthropology, **James Jeremy Green** - Philosophy, **Amy Gross** - Psychology, **Barbara Howes** - Interdisciplinary Health Studies, **Yan Jiang** - English, **Angela Lebbon** - Psychology, **LisaMarie Malischke** - Anthropology, **Krystyna Orizondo-Korotko** - Psychology, **Abera Senbeta** - Economics, **Julie Slowiak** - Psychology, **Nicole Vander Vlies** - Occupational Therapy, **Huaizhen Zhang** - Physics, **Yao Zhao** - Electrical and Computer Engineering. The following students were also awarded a supplemental International Travel and Research Grant funded by the Graduate Student Advisory Committee: **Lydia Baber**, **Brett Blaauw**, **Elise Boneau**, **David DiTucci**, **Akemi Kishimoto**, **Jamie McCandless**, **Smuel Ngogo**, **Brian Zeider**, **Ilgin Acar**, **Marcus Adams**, **Supreeta Amin**, **Chaoli Cai**, and **LisaMarie Malischke**.

This year's Graduate Research and Creative Scholars and Graduate Teaching Effectiveness Awards ceremony took place in the South Ballroom of the Bernhard Center, April 15. The awards honor the scholarship and pedagogy of graduate students in all disciplines at Western Michigan University. Congratulations to all of the All-University and Departmental awardees. The recipients of the 2007-08 All-University Graduate Teachers awards are: **Michele A. Anderson** - Interdisciplinary Health Studies, **Brian N. Becker** - History,

Berta Carrasco de Miguel - Spanish, **Elizabeth Evans** - Industrial and Manufacturing Engineering, **Douglas A. Johnson** - Psychology, **Gregory Laing** - English, **Gregory Rathje** - Political Science and **Carrie S. Shaver** - School of Communication. The recipients of the 2007-08 Departmental Graduate Teacher awards are: **Ilgin Acar** - Industrial and Manufacturing Engineering, **Mary Adams** - Biological Sciences, **Teresa Bertossi** - Geography, **Sarah Brightman** - Sociology, **Shawn A. Bultsma** - Counselor, Education and Counseling Psychology, **Nuño Castellanos** - Spanish, **Stephany Coffman-Wolph** - Computer Science, **Dana C. Cox** - Mathematics, **Reem Ahmad Ramadan El Asaleh** - Paper Engineering, Chemical Engineering, and Imaging, **Ashley Emerson** - History, **Stephen Grandchamp** - English, **Jonathan Hill** - Anthropology, **Robert Kagumba** - Mallinson Institute for Science Education, **Mariana Kondon** - Chemistry, **Marisha Lecea** - Political Science, **Krystyna Orizondo-Korotko** - Psychology, **Ryan Pflum** - Philosophy, **Yan Pu** - Paper Engineering, Chemical Engineering, and Imaging, **Audrey Ritter** - Geosciences, **Marlene Roldan Romero** - Spanish, **Lars Rommling** - Chemistry, **Zhanay Sagintayev** - Geosciences, **Ayako Sami** - Foreign Languages, **Nelly Shmukler-Tishko** - School of Music, **Kavita Tipnis** - Computer Science, **Chad Trumble** - Biological Sciences, **Kevin Weakley** - Mallinson Institute for Science Education and **Tadesse B. Wodajo** - Economics.

The recipients of the 2007-08 All-University Scholars awards are: **Osama Awwad** - Computer Science, **Stephanie A. Combs** - Interdisciplinary Health Studies, **Emily Lenning** - Sociology, **Adam Milewski** - Geosciences, **Jai Thomas** - Industrial and Manufacturing Engineering and **John Van Regenmorter** - Anthropology. The recipients of the 2007-08 Departmental Scholars awards are: **Marcus Adams** - Philosophy, **Sandhya N. Adi-**

yodi Veetil - Chemistry, **Mohammad Ahmad** - Computer Science, **Dania Alsaïd** - Paper Engineering, Chemical Engineering, and Imaging, **Jacob Armstrong** - Sociology, **Alicia Arribas** - Spanish, **Michael Buchalski** - Biological Sciences, **Courtney Buck** - Political Science, **Jessica Edel** - Sociology, **Adriana Fox** - Counselor Education and Counseling Psychology, **Rebecca Frohardt** - School of Music, **Kaneen B. Geiger** - Psychology, **Brenna Giacherio** - Physics, **Jack Goodman** - History, **P. Cristian Gugiu** - Interdisciplinary Evaluation, **Muhammet Fatih Hasoglu** - Physics, **Travis Hayden** - Geosciences, **Joshua Host** - Civil and Construction Engineering, **James C. Johnson** - History, **Kyle Kinnell** - Biological Sciences, **Sandra Madden** - Mathematics, **Sagarika Mishra** - Economics, **John Panos** - Psychology, **Lindsey Rose** - School of Communication, **Ana Santos Rey** - Spanish, **Ilse A. Schweitzer** - English, **Mark Turcotte** - English, **Betty Udongo** - Mallinson Institute for Science Education, **Aruna Weerasinghe** - Chemistry, **Cathryn Whately** - Geography and **Yu Ju Wu** - Paper Engineering, Chemical Engineering, and Imaging.

College of Health and Human Services

Barbara Howes and **Michele Anderson**, both in the second cohort of the IHS Ph.D. program will travel to St. Louis to present at the 14th annual National Association of Drug Court Professionals conference. The title of the presentation is Content and Process of a Rural Family Drug Court Evaluation, and is the result of work they completed as students of the Ph.D. in Interdisciplinary Health Studies program under the mentoring of Dr. Kieran Fogarty. Howes was awarded a travel grant from the Graduate College for this purpose. **John Mc Mahon**, a student in the second cohort of the Ph.D. in IHS has recently accepted the position of

Continued on next page

Director of the Maine Division for the Blind and Visually Impaired, which is part of the Maine Bureau of Rehabilitation Services. In his position as Director, Mc Mahon is responsible for oversight of three main programs that make up the continuum of services for persons in Maine who are blind or who have low vision. These three programs consist of educational services for children, employment services for working age adults, and independent living services for older adults. This position is the highest level position related to such services in the state.

Richard Freedberg, also a student in the second cohort of the Ph.D. in HIS has had a textbook published. Stressed Out About Pharmacology delivers need-to-know information in simple and humorous language to give nurses the confidence they need to succeed in the study of how drugs interact with living things. **Stephanie Combs** from the third cohort and Michele Anderson from the second cohort of the Ph.D. in IHS were recipients of the All University Graduate Research and Graduate Teaching Awards. **Barb Baker**, a student in Cohort three, and **Tim Mullen**, cohort two, won research grants from the Graduate College.

On April 11, CHHS Occupational Therapy students conducted presentations based on their master-level research at the American Occupational Therapy Association's 2008 Annual Conference in Long Beach, California. **Kate Blaharski** (2008) and faculty member **Dr. Debra Lindstrom Hazel** presented a 90 minute short course—Evaluation of the Wilbarger Deep

Pressure Proprioceptive Technique and Oral Tactile Technique within the Context of a Sensory Diet—authored by **Lori Johnson Davis** (2007). **Erin Muston** (2007) and Dr. Hazel presented a poster titled: Establishing Convergent Validity Between the Cognitive Performance Test and Large Allen Cognitive Level Screen.

On April 26, 2008 students receiving graduate degrees in speech-language pathology held a ceremony at the College of Health and Human Services to state the oath they wrote to guide their professional lives. After studying the Hippocratic Oath and the Code of Ethics of their professional organization in Dr. Helen Sharp's Principles of Professional Practice class, the students decided to craft their own oath. Family, friends, and faculty gathered to witness the students' recite their pledge of responsibilities and obligations as professionals serving individuals with communication impairments.

Diane Stein has been awarded a \$2,000 undergraduate scholarship from the Oncology Nursing Society Foundation. The scholarships are awarded in memory of Roberta Pierce Scofield, an oncology nurse and first president of the Oncology Nursing Certification Corp., who died of cancer in 1988. The scholarships are intended to improve oncology nursing by assisting individuals with their nursing education.

"This is a highly competitive scholarship. That it is rarely awarded to an undergraduate student makes it an even more significant achievement," says **Dr. Mary Ann Stark**, WMU associate professor of nursing and one of Stein's instructors. "In the Bronson School of Nursing, we encourage students to be involved in professional nursing organizations such as the On-



Speech Pathology and Audiology students with their oaths.



Debra Lindstrom-Hazel PhD, OTR and Erin Muston MS, OTR



Diane Stein

cology Nursing Society. Diane is actively engaged in professional nursing as a student. With this scholarship, the foundation recognized what a quality student Diane is."

On Friday, April 11, the Western Michigan University chapter of the Student Academy of the American Academy of Physician Assistants participated in the American Cancer Society sponsored Relay for Life as Team PA Powerhouse and raised just under \$11,000, one of the largest sums collected by any WMU student organization. The purpose of Relay for Life is to remember those who lost their battle against cancer, celebrate those who have survived, and to raise money for both cancer awareness and research. From the kick-off at 3 p.m. on Friday, April 11 until 11 a.m. on Saturday the 12th, team members walked the track at the Student Recreation Center. **Katie Johnson** and **Misty Miller**,

both first-year students in the Physician Assistant Program, served as the co-captains for Team PA Powerhouse. They coordinated several Relay for Life events including fund raising nights at BD's Mongolian Barbeque, where team members served meals and held a silent auction, and the Grotto, where part of the proceeds from drink specials were donated to the team. Congratulations to Team PA Powerhouse, and thanks to Kohl's Department Store for a generous financial contribution and stuffed animals for participating children, and to Sav-A-Lot for bottled water and snacks for the team.



Team PA Powerhouse, participants in the Relay for Life.

Upcoming Events

College of Engineering and Applied Sciences

WMU's Sunseeker solar car team is gearing up to compete in the 2008 North American Solar Challenge (NASC) set for July 13-22, 2008. The biennial, cross-country, international, intercollegiate 2,400-mile race from Dallas, Texas, to Calgary, Alberta, Canada, will test Sunseeker's efficiency, safety, and durability. The Sunseeker team involves WMU students from all academic disciplines who have

designed and built this year's entry using state-of-the-art technology. This year's team advisors are **Abraham Poot** and **John Kapenga**. The student team leader is **David Ludens**, and the car drivers are **Alex Hoeksema** and **Nicholas Killoran**. Other Sunseeker members include **Lyth Alobiedat**, **Tim Gaston**, **Dan Gore**, **Brendan Hill**, **Kevin Kalchik**, **Madeline McAuley**, **Chris Rocker**, **Ian Smith**, and **William Spalla**. The 2008 Sunseeker vehicle weighs 240 Kg; it's five meters long, 1.8 meters wide, and 1.2 meters high. Its motors include 2 CSIRO hub motors, 4.5 KW each, and front wheel drive. Its solar cells feature Emcore triple junction gallium arsenide with a peak output of 1500 W. The vehicle's 29 Kg battery pack consists of 520 Lithium



Sunseeker Team members: kneeling (from left): Madeline McAuley, Nicholas Killoran, David Ludens, Alex Hoeksema; standing (from left): John Kapenga, advisor, Dan Gore, William Spalla, Kevin Kalchik, Lyth Alobiedat, Chris Rocker, and Abraham Poot, advisor.

designed and built this year's entry using state-of-the-art technology. This year's team advisors are **Abraham**



Francis Schlaud, an industrial education senior and member of the hydraulic bike team, tests the efficiency of the pump of the new WMU bike that will be entered in this year's Chainless Challenge. He is working in the Parkview Campus Parker Hannifin Motion and Control Lab.

Polymer cells with 5.3 KWhr capacity. The chassis features a chromemoly roll cage with carbon fiber bottom shell and fiberglass array shell. The car has a dual hydraulic braking system with Hayes four-wheel disks. It has four G.H. Craft carbon fiber wheels with Bridgestone Ecopia 2.5 x 14 tires. Eight American solar challenges have been held since 1990, and WMU is one of only four universities that have qualified for all the competitions. The NASC includes stops and checkpoints in the following US cities: Plano, Texas (start); McAlester, Okla.; Neosho, Mo.; Topeka, Kansas; Omaha, Neb.; Sioux Falls, S.D.; and Fargo, N.D. Stops and checkpoints are also planned for the following Canadian

cities: Winnipeg, Manitoba; Brandon, Manitoba; Regina, Saskatchewan; Medicine Hat, Alberta; and Calgary, Alberta (finish).

A WMU engineering

team is preparing to defend its 2007 first-place title in the 4th Chainless Challenge - a hydraulic bicycle design competition sponsored by Parker Hannifin Corporation and scheduled for July 28-29 in Cleveland, Ohio. Students nationwide are challenged to design and develop a bicycle that transfers the rider's manual power from the pedal to the driving wheel without using a traditional chain or other direct-drive mechanisms. A bike is tested on both a 12-mile speed race over hilly terrain and a 150-meter sprint circuit. It is also judged on design innovation, reliability and safety, and manufacturability and workman-

Continued on next page

ship. Also judged is a student-prepared design report. This is the fourth year a WMU team is competing. According to **Dr. Alamgir Choudhury**, project coordinator and associate professor in the Department of Industrial and Manufacturing Engineering (IME), this year's model is based on one developed in a yearlong project by the IME senior design team of engineering graphics and design (EGR) majors: **Bob Barden, Matt Johnson, Vijay Moolan, and Dan Switzer**. "The students produced the basic design, and we're working to improve that," he said. The team redesigned the frame, steering, and hydraulic circuitry of last year's winning Chainless Challenge bike. The project was sponsored by Parker Hannifin and presented last month at the 42nd Conference on Senior Engineering Design Projects. Others involved in the bike project are **Dr. Pavel Ikonomov**, IME assistant professor; **Glenn Hall**, IME laboratory technician; **Dr. James Kamman**, associate mechanical engineering professor; **Brad Tudor**, an EGR senior, and Francis Schlaud, an industrial education senior. Parker Hannifin is a generous contributor both to the Parkview Campus Parker Hannifin Motion and Control Lab and of scholarships and research sponsorships hydraulics, pneumatics, and motion control. For more information, contact Choudhury at alamgir.choudhury@wmich.edu.

Dr. Sam Ramrattan, a professor in the Department of Industrial and Manufacturing Engineering, is hosting a weeklong metal-casting workshop June 23-27, 2008. High



At last year's Metal Casting Workshop, Dr. Sam Ramrattan (standing center, facing camera) oversees the pouring of hot liquid metal into a mold. High school students view the process from behind a safety curtain in the Parkview Campus Metal Casting Lab.

school students are presently enrolled in the hands-on workshop that will accommodate up to 15 tenth-through-twelfth-grade high school students. During the students' five-day campus visit, Ramrattan, a technical advisor to the American Foundrymen's Society and a Key Professor for the Foundry Educational Foundation, introduces students to the history of metal casting, its trends, and its relationship to manufacturing, which includes molding, melting, filling, and finishing. Students learn about quality and the use of computers, math, and science in metal casting. The classroom activities are held in the CEAS Parkview Campus Metal Casting Lab. Students stay in WMU dorms, enjoy campus life, and explore WMU and its entrance requirements and expectations. On field trips, they meet professionals in the foundry industry, see real-world technology at work, and review career opportunities in metal casting. There is no cost to the students who attend the program because they are sponsored by various chapters of the American Foundry Society (AFS) and the North American Die Casting Association (NADCA). Ramrattan has been offering similar

metal-casting workshops each summer for the past nine years. WMU has had a casting metal program in various engineering curricula since the college opened over 100 years ago. Its most recent accreditation began in 1992 when Ramrattan joined the faculty. Metal casting is currently a program option in the industrial, manufacturing, graphics, and engineering management programs. Plans are in the works to create a metal-casting minor.

For the third consecutive year, WMU is hosting the Michigan-Louis Stokes Alliance for Minority Participation program (Michigan LSAMP), a summer pre-first-year program for incoming freshmen of under-represented minorities enrolled in any of four alliance partner universities: University of Michigan, Michigan State University, Wayne State University, and Western Michigan University. **Dr. Raja Aravamuthan**, a CEAS professor, is again leading the pre-college program project. The program is open to students who are enrolled as freshmen, whose ACT scores are between 18 and 24, and who are going

into science, technology, engineering, or mathematics (STEM) programs. The students take four weeks of classes to prepare them for their first fall semester in college. The classes include math, biology, chemistry, physics, academic

skills, computer applications, and technical communication. Michigan LSAMP is a five-year, \$5 million National Science Foundation program with half the funding coming from the participating universities. The alliance was formed in January 2006 by the four universities based on a federal ini-



Preparing for a technical communication class project in last year's LSAMP program are WMU students (from left) Darius Phillips, a computer engineering student from Kalamazoo; Alicia Teat, computer engineering student from Detroit; and Vincent Ramos, engineering.

tiative that aims to attract and retain underrepresented minorities to STEM majors. This summer's course work runs from July 7 to Aug. 1 for up to 24 students. Aravamuthan said that the LSAMP program also makes faculty-mentored research and industrial co-op/internship positions available to the students in their sophomore and junior years.

CEAS students, many of whom are members of the student chapters of the American Society of Civil Engineers (ASCE) and the Institute of Transportation Engineers (ITE), will be cleaning up the east- and west-bound stretch of I-94 between mile markers 78 and 80 in Portage. The students are taking part in the Michigan Department of Transportation's Adopt-A-Highway program. According to **Michael Romkema**, ASCE student chapter president, nine CEAS student have volunteered for the first effort, and many more are interested in helping in the future. He credited **Dharmesh Valsadia**, ITE student chapter president, for organizing the project and **Dr. Jun-Seok Oh**, the ITE faculty advisor and assistant professor in the Department of Civil and Construction Engineering (CCE), for supporting of the project. Other student volunteers include **Adam Eaton**, **Nick Francis**, **Phil Reitenour**, **Britney Richmond**, **Ryan Stevens**, **Aarti Valsadia**, and **Kim Warners**. These volunteers recently completed the first of three required clean-up efforts. "The team met for about 4 hours to

watch a safety video and then clean up the highway," Valsadia said. "We collected over 70 bags of trash along just two miles of the eastbound stretch." Future clean-up dates are set for July



Cleaning up a two-mile stretch of I-94, these ASCE and ITE student volunteers collected 70 bags of trash. From left are Mike Romkema, Nick Francis, Kim Warners, Dharmesh Valsadia, Britney Richmond, Ryan Stevens, Adam Eaton, and Phil Reitenour.

12-20 and September 13-21. According to Romkema, for more information about Adopt-A-Highway or the chapter, or to get involved in the upcoming clean-up events, visit the Chapter's website at [www.wmu-](http://www.wmu-asce.com)

www.wmu-asce.com or e-mail at wmu_asce_cca@yahoo.com.

College of Arts and Sciences

The topic chosen for the 2008-9 **Werner Sichel Lecture Series** is the **Economics of Natural and Unnatural Disasters**. This series of lectures will feature six outstanding economists. They will lecture on a variety of topics related to disasters including the implications of disasters for insurance markets, their impacts on public finances, their macroeconomic impacts, factors influencing the pace of recovery, and government's capability to handle the crises they may spawn. The dates for each of the speakers are listed below. This series will be co-directed by Professors Bill Kern and Christine Moser. All presentations are free and open to the public. They are all held at 3 p.m. in 3508 Knauss Hall. More details on the speakers and the title of their talks will soon be available on the Department's website at www.wmich.edu/

economics. Upcoming schedule:

- Oct.15
Dr. Howard Kunreuther, The University of Pennsylvania
- Oct. 29
Dr. Jamie Brown Kruse, Center for Natural Hazards Research
- Nov.19
Dr. Hal Cochrane, Colorado State University
- March 4, 2009
Dr. David Hofman, International Monetary Fund
- March 18, 2009
Dr. Anthony Yezer, George Washington University
- April 8, 2009
Dr. Peter Boettke, George Mason University

University Libraries

University Libraries participated in WMU Day at the Capitol, May 28, with two exhibits, "Connecting Unique Resources to Students and Researchers" and "Promoting Local to International Scholarship," to underscore the unique materials within Archives and Regional History Collections and Special Collections for research and learning in the Humanities, Social Sciences and Fine Arts. Featured were the digitization efforts within University Libraries that allow patrons to access these texts through the Internet in formats that are searchable and user-friendly.

College of Fine Arts

The Frostic School of Art is pleased to present three exhibitions in the Richmond Center for Visual Arts galleries over the summer. "Focus," a three one-person exhibition in the Monroe-Brown Gallery features the works of emeriti **Joseph DeLuca** and **Paul Robbert**, and Kalamazoo College professor Richard Koenig.

This exhibition will be on display until August 1. Emeritus professor art, **John Link**, has an exhibition of his recent paintings in the Kerr Gallery through June 13, 2008. Succeeding the Link exhibition will be the paintings of James Wilfrid Kerr from June 19 through August 1. Summer gallery hours are Monday through Friday, 10 a.m.-5 p.m.

The School of Music's 57th annual summer music camp for high school students, **SEMINAR 2008**, will present a series of concerts in July as part of its two-week session. On Monday evening, July 14, **SEMINAR** alumnus Adam Liebert (violin) will present a duo recital with Chicago Symphony oboist Scott Hostetler at 7:30 p.m. in the Dalton Center Recital Hall. WMU faculty member **Yu-Lien The** will accompany on piano. The Kalamazoo Ringers handbell choir will be featured on Thursday, July 17, at 7:30 p.m. in the Dalton Center Recital Hall. The 40-year tradition of providing music for the Episcopal Cathedral of Christ the King will continue with the brass choir and concert choir doing the same for the morning worship service in Kalamazoo's First Presbyterian Church (321 West South Street) on Sunday, July 20, beginning at 10:15 a.m. Later that afternoon, the Woodwind Choir and string chamber music ensembles will present a concert at 4 p.m. in the Dalton Center Recital Hall. The Orlando Consort, a male vocal quartet from London, and the **SEMINAR** concert choir will perform on Monday, July 21, at 7:30 p.m. in Stetson Chapel on Kalamazoo College's campus. On Thursday evening, July 24, the piano students will present a public recital at 7 p.m. in the Dalton Center Recital Hall. The **SEMINAR 2008** Large Ensemble Concert on Friday, July 25, will feature the wind ensemble, concert choir, and string orchestra performing in Miller Auditorium at 7:30 p.m. **SEMINAR 2008** will conclude with a festival of five simultaneous chamber music concerts

(string, woodwind, brass and percussion, vocal/choral, and piano) in the Dalton Center at 10:30 a.m. on Saturday, July 26. All concerts are free and open to the public.

College of Health and Human Services

CHHS's School of Social Work is offering the following courses for which social work continuing education credit hours are available. Students may register at a reduced training fee. Trainings take place at the College of Health and Human Services. For more information, contact **Melinda McCormick** at melinda.m.mccormick@wmich.edu or (269) 387-3158.

- June 2 and June 9: **Mike Schlinz**, MSW, will present a training on "Motivational Interviewing."
- June 17: Jennifer Harrison, LMSW, of Kalamazoo Community Mental Health & Substance Abuse Services and Stephanie Lagalo, LMSW, of InterAct of Michigan, will present "Stage-Matched Interventions for Mental Health & Substance Use Disordered Clients."
- June 27-28: Michigan State University will present a preparation course for the ASWB Social Work Board Examination.
- July 25: D. John Lee, Ph.D., Coordinator, Multi-Ethnic Counseling Center Alliance (MECCA) at Michigan State University, will present "Culture and Race in Human Service Delivery."

Assessment of Student Learning

Center for Academic Support

Students in the Administration and Assessment of College Students Environments graduate course taught by Dr. Jessie Grant participated in a project in which they got real life experience conducting assessments. Assessments were conducted on the departments in the Center for Academic Support programs (CASP) (Academic Skills Center, Alpha Program, TRIO Student Support Services, University Curriculum and the Writing Center). In addition to CASP, the offices for Transfer Students and Military Affairs and the College of Education Advising Office also had graduate students from the course evaluate their services. Throughout the spring semester, students in the course met the staff and students who received services from these offices. The students developed and implemented on-line and face-to-face survey instruments and conducted individual interviews and focus groups to determine the level of effectiveness of these offices. At the end of the project, students in the course presented their findings to the directors of the departments, members of the University Assessment Committee, and the Vice President for Institutional Effectiveness. In the process of conducting this research, the students who conducted the assessment learned more about themselves as future researchers and aspiring higher education administrators.

On April 26, **Jessie Grant, Ph.D.**, Alpha Program Coordinator; **Kim Ballard**, Writing Center Director; and **Laura Ciccantell**, former Student Success Program Director and current Director of Advising for the College of Education, presented at the 2008 NC State Undergraduate

Continued on next page

Assessment Symposium in Cary, NC. The three collaborated on the presentation, "Telling Our Stories: Using Direct Assessment to Capture 'You Really Changed My Life' Moments," detailing the assessment stories of three units in the Center for Academic Support Programs.

College of Health and Human Services

The Ph.D. program in Interdisciplinary Health Studies used a competency-based assessment model measured through coursework and four innovative comprehensive examination products, prior to the dissertation. The comprehensive examination products are: (1) a journal article based on a research practicum, which must be submitted to a peer reviewed journal; (2) analysis of a health or human services policy based on a systematic review of relevant literature and using a published analysis framework, defended in an oral examination; (3) a grant application, which must be submitted to a funding agency; and (4) a portfolio, presenting all of the materials for a course the student has taught, which includes a reflective self-assessment narrative that incorporates information gleaned from assessment of the learning of the students who completed the course. The program admits students every two years and has just admitted 12 students in our fourth cohort. Data from the 2007 annual review regarding subsequent publications, presentations, and grant funding are summarized in Table 1. Accomplishments announced within the past month include the following: **Priscilla Barnes** (cohort 2) has been awarded a \$10,000 grant from the University of Kentucky College of Public Health "Assuring the Future of Public Health Systems Research." She and her mentor, Dr. Amy Curtis, attended a meeting with other grantees at the University of Kentucky in April,

2008. **Richard Freedberg** (cohort 2) has recently published a book, *Stressed Out about Pharmacology*. It has a 2008 copyright and is available at <http://www.hcmarketplace.com/prod-6196.html>

College of Engineering and Applied Sciences

Last month at the 42nd Conference on Senior Engineering Design Projects, 194 seniors in engineering and applied sciences from seven departments presented 72 capstone projects in 25-minute presentations to audiences that included faculty, administrators, industry sponsors and representatives, college and high school students, friends, visitors, and family members. The event was free and open to the public, and those who attended were requested to assess the quality of the presentations and the overall projects' accomplishments. The projects required students to apply the skills, knowledge, engineering tools, and understanding gained throughout their academic experience to solve a genuine engineering need or problem. Most of the projects were yearlong; some were continuations and extensions of earlier projects. All were supervised by at least one faculty advisor, and many were overseen by industrial sponsors and representatives,

according to **Dr. Betsy Aller**, associate professor of Industrial and Manufacturing Engineering and course coordinator of IME senior design projects. "In our department, the final project presentations are reviewed by the advisory boards, sponsors, industry reps, faculty members, and visitors," she said. "We have developed an assessment instrument for the presentations that includes identifying the assessor's role – faculty, advisor, sponsor, visitor, etc. We are concerned not only with the professional quality of the presentations, but whether the students are able to demonstrate the rigor, challenges, and value of their projects and project solutions to a broad audience." A number of other CEAS departments have adopted Aller's assessment instrument, which has itself been reviewed by faculty, students, and industry representatives to assure that it meets its intended goals. The instrument is available at the WeBAL online assessment library: <http://www.wmich.edu/engineer/webal/webal.htm>.

Dr. Edmund Tsang, CEAS associate dean for undergraduate programs and assessment, and **Dr. Betsy Aller**, associate professor in the Department of Industrial and Manufacturing Engineering (IME), have been invited to make a presentation at a daylong workshop sponsored by the Western Michigan University Assessment Steering Committee (UASC) on Friday, May 30. The workshop will be for 30 "faculty and staff whose work in the area of assessment for program

improvement is prime material for inclusion in the scholarship of teaching and learning." Tsang, who has several externally-funded projects on teaching



At the Spring 2008 conference Andrew Hyder (seated) and John Bolhuis, mechanical engineering seniors, presented their project on the power and braking design enhancements they made to a hand-powered tricycle that is used by a handicapped person. Faculty advisor to the project was Dr. James Kamman, ME professor.

and learning that involve assessment of student learning, and Aller, who is a five-year member of IME and CEAS assessment committees and who received TLT and UASC grants to research

assessment of student learning, will share their expertise in transforming project assessment and evaluation into scholarly publications. In 2004, Aller, Tsang, and Dr. Andrew Kline, associate professor in the Department of Paper Engineering, Chemical Engineering, and Imaging (PCI), developed WeBAL, a Web-based assessment library, available at <http://www.wmich.edu/engineer/webal/webal.htm>. "WeBAL is a collection of documents for use in assessing or evaluating student learning in the areas of communication and teamwork, made available to all via this Web site," Aller said. The work done on WeBAL was documented in a peer-reviewed article in the November 2005 issue of IEEE Transactions on Engineering Education 48(4). "We've also included this work in numerous conference publications," Aller said. "Our goal at the May UASC workshop will be to show how our various assessment activities served as a strong basis for publications of interest to

other scholars and researchers." The workshop's featured speaker will be



Dr. Edmund Tsang (left), associate CEAS dean for undergraduate programs and assessment, and Dr. Betsy Aller, IME associate professor, will present at upcoming WMU Assessment Steering Committee workshop.

Dr. David J. Malik, Chancellor's Professor of Chemistry and Chemical Biology at Indiana University-Purdue University, Indianapolis.

At the 2008 American Society of Engineering Education (ASEE) North

Central Regional (NCR) Conference held at Wright State University in Dayton in March, seven CEAS students presented three papers based on projects completed as part of a series of service learning design courses taught by Dr. Betsy Aller, associate professor in the Department of Industrial and Manufacturing Engineering; **Dr. Andrew Kline**, associate professor in the Department of Paper Engineering, Chemical Engineering, and Imaging (PCI); and **Dr. Edmund Tsang**, CEAS associate dean for undergraduate program and assessment. **Andrew Hyder**, mechanical engineering senior, presented "Using Global Positioning Systems (GPS) to Involve Students in Science and Technology" that he co-authored with Aller and Kline. The paper explains a GPS instructional model for K-12 classroom. PCI students **Nathan Tate** and **Dustin Moseley** presented "Introducing STEM [science, technology, engineering, and math] Concepts to Middle-school Stu-

Kline. The paper reviews the development of an enjoyable hands-on science workshop to introduce STEM concepts to fifth-and-sixth-graders. **Adam Eaton**, **Britney Richmond**, **Kimberly Warners**, and **Joshua Cook**, all enrolled in Department of Civil and Construction Engineering programs, presented "Designing and Utilizing an Apparatus to Study the Ray Properties of Light" that they co-wrote with Aller, Kline, and Tsang. The paper reviews a middle-school project on the properties of light: reflection, refraction, transmission, and absorption. At the same conference, Aller was elected to a 2-year term as the ASEE NCS Unit Director for Industry, and Kline was appointed Chair of the Best Paper Committee for the ASEE NCS 2009 Regional, at Grand Valley State University in April 2009.



Attending and presenting at the 2009 ASEE Conference included left to right: Josh Cook, Dustin Moseley, Dr. Betsy Aller, Kim Warners, Nathan Tate, Britney Richmond, Adam Eaton, Andrew Hyder, and Dr. Andrew Kline.

dents through Interactive Learning," which was co-authored with Aller and

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