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RESARCH @ OSU Engineering

$5M GRANT WILL MAKE PLANES, TRAINS, BUSES MORE ACCESSIBLE--

Anyone who's traveled in an airliner or on long-distance buses or trains knows how challenging it can be to navigate the narrow aisles, tightly spaced seats, and cramped restrooms. For people with disabilities, these confined spaces present hurdles that can be daunting and humiliating, and often limit where a person can travel. But OSU civil engineering faculty Kate Hunter-Zaworksi and Joe Zaworski have just received a $5 million grant from the National Institute for Disability and Rehabilitation Research to create the nation's first research center focused on making inter-city transportation more accessible. The National Center for Accessible Transportation (NCAT) will be a collaborative project with the OSU College of Health & Human Sciences.

http://oregonstate.edu/dept/ncs/newsarch/2003/Oct03/accessible.htm

STUDENT @ OSU Engineering

BIG BEAM TEAM TAKES 3RD PLACE NATIONALLY, WINS REGIONAL--

Civil engineering students Elias Hahn, Amanda Stanko, and Jeremy Williams won third place and a $1,500 cash award in the "2003 Engineering Design Competition - Big Beam Contest," after winning first place in the regional competition. The student team designed, fabricated, and tested a beam as part of an OSU class taught by Morse Bros. chief engineer Keith Kaufman and built around the big beam design competition, which is sponsored by the Oregon Precast Concrete Institute (OPCI).

http://www.morsebrosprestress.com/education.html

78% OF AeA SCHOLARS CHOOSE TO STUDY AT OSU--

More than three-fourths of the students awarded prestigious AeA Technology Scholarships, worth up to $10,000 each, have chosen to study at OSU Engineering. In addition to the funding, the scholarships include a paid summer internship at a high tech company and a mentoring relationship with an engineer or computer scientist.


CEM STUDENTS WIN PRESTIGIOUS SCHOLARSHIPS--

Reinaldo Rodriguez, a junior in Construction Engineering Management (CEM), and Luis Umana, a senior in CEM, each received an $11,875 Union Contractors of the Associated General Contractors (AGC) Minority Scholarship for 2003-04. Sponsored by the union contractors of the Oregon-Columbia chapter of the AGC, the scholarships are awarded to under-represented students. Ty Lee, a senior in CEM, won a $3,000 National Construction Management Association of America (CMAA) Scholarship, one of only three given in the U.S. Lee, who spent this summer working for Hoffman Construction in Portland, received the award at the CMAA National Convention in Washington, DC. For more information see http://www.agc.org and http://cmaanet.org/

INDUSTRY COLLABORATION @ OSU Engineering
INNOVATIVE MANUFACTURING IN LEAN TIMES--
OSU Engineering faculty Rick Billo and Toni Doolen, industry leaders, and lean manufacturing guru James Jordan, co-author of "The Lean Company," will speak at a day-long conference called Manufacturing in Lean Times on October 28 at LaSells Stewart Center on campus. Industry speakers include representatives from A-dec, LSI Logic, Lund, Wah Chang, and others. For more information, visit http://www.meetingpointforums.com

COMPANIES INVITED TO MEET STUDENT STARS AT SENIOR DINNER--
Spend an evening with students and faculty from the School of Electrical Engineering & Computer Science during the annual ACM/IEEE Senior Dinner on October 21, a great opportunity to connect with graduating seniors the evening before the OSU Engineering Career Fair. For more information, contact Tina Batten at: tina.batten@oregonstate.edu

RECRUITERS FIND TOP TALENT AT ENGINEERING CAREER FAIR--
Companies attending the October 22nd Fall Engineering Career Fair at OSU often discover their future engineering talent. This is an ideal way to meet tomorrow's best and brightest engineers, today. For a list of participating companies, go to: http://oregonstate.edu/career

BUILDING @ OSU Engineering
KELLEY ENGINEERING CENTER RISING--
A huge crane (sporting a CoE "Building Momentum!" banner) now towers above the construction site where the Kelley Engineering Center is taking shape on campus (see all the action on our KEC webcam, link below). More construction and renovation projects are being planned as the College continues to improve its infrastructure as part of the Top-25 Drive. Watch for news in upcoming issues of MOMENTUM!. http://engr.oregonstate.edu/top25/building/webcam/

Fa C U L Ty & S T A F F @ OSU Engineering
DIRECTOR HIRED TO LAUNCH WOMEN & MINORITIES PROGRAM--
Funded by a grant from the Hewlett Foundation, the College has launched a new program to inspire more women and minorities to pursue careers in engineering. Ellen Momsen, a 20-year veteran high school physics teacher has been hired to direct the new program, which does K-12 outreach and also connects current students with mentors from industry.

OCEAN ENGINEERING PROF. WINS CITATION FOR EXCELLENCE--
Merrick Haller, an OSU assistant professor of Ocean Engineering, has been awarded the 2002 Editors Citation for Excellence in Refereeing by the Journal of Geophysical Research-Oceans, a top publication in the field of ocean engineering. The citation expresses AGU's gratitude to those whose reviews have been particularly commendable and terms Haller's work "invaluable." http://ccee.oregonstate.edu/people/faculty/ocean/merrickhaller.html

INNOVATIONS @ OSU Engineering
CREEK-SIDE COMPUTERS I.D. INSECTS, IMPROVE STREAM HEALTH--
Combining two of OSU's greatest strengths, engineering and ecology, Computer Science professors Tom Dietterich and Eric Mortensen have teamed up with Mechanical Engineering professor Bob Paasch and several OSU biologists to use a $1.7 million National Science Foundation grant to employ computer technology to identify insects, especially in streams. The project could revolutionize water quality monitoring and provide an important new tool for studying soil biodiversity in forests and the agricultural industry. Read more: http://oregonstate.edu/dept/ncs/newsarch/2003/Sep03/bugs.htm

ALUMNI @ OSU Engineering
CATHY NELSON FIRST WOMAN NAMED STATE HWY ENGINEER--

The Oregon Department of Transportation has named civil engineering alum Cathy Nelson the new state highway engineer, making her the first woman to hold the position in the 90 years that Oregon has had a state highway system. Only two other states--Delaware and Nevada--have women in similar positions. In her new role, Nelson will oversee maintenance of 7,500 miles of highways and 2,680 bridges, which carry more than 60 percent of the state's traffic. And she assumes her new role as Oregon embarks upon the largest public works effort since the interstate highways were built, the rebuilding many of the state's aging bridges. http://news.statesmanjournal.com/article.cfm?i=68269

HEARD ON CAMPUS @ OSU Engineering

"As the only woman to graduate in OSC's (Oregon State College) 1959 engineering class, I am pleased and proud to learn of OSU's efforts to attract women and minorities!"

--Betty Juckeland Carrell, (via donation envelope)

UPCOMING EVENTS @ OSU Engineering

October 15, Electronic Industry Open House. Covell Hall Room 117, 6-9 p.m. A variety of Portland-area electronics industry engineers will discuss electronics manufacturing research, network with potential employees, and tour the newest lab facilities in the Dept. of Industrial & Manufacturing Engineering. Graduate and undergraduate students are encouraged to attend. Pizza and drinks provided. Please RSVP to: toni.doolen@orst.edu

October 15, Business Roundtable of Puget Sound. Alumni and businesspeople in the Puget Sound area are invited to have breakfast with OSU President Ed Ray at the Bellevue Club, Bellevue WA, for a discussion of "The Business of Running a Top Research University." For more information, contact Lori Sweeney at (503) 553-3405 or lori.sweeney@oregonstate.edu.

October 16, 17, 18, Tsunami Wave Basin OPEN HOUSE, O. H. Hinsdale Wave Research Lab, OSU campus, 9 AM - 4 PM, free and open to the public, reservations not required for groups less than 20. For more information, go to: http://wave.oregonstate.edu

October 21, ACM/IEEE Senior Dinner at the School of Electrical Engineering & Computer Science, see details under "Industry Collaboration," above.

October 22, Engineering Career Fair, OSU Campus, come visit with OSU engineering's soon-to-be-graduates. See details under "Industry Collaboration," above.
http://oregonstate.edu/career

October 28, Manufacturing in Lean Times Conference, LaSells Stewart Center, OSU Campus, see details under "Industry Collaboration," above.

October 30, An Astronaut Comes Home, a free public presentation by Space Station astronaut and OSU Engineering alumnus Don Pettit, LaSells Stewart Center, OSU campus, 3:30 p.m. More information: 541-737-3003, or at http://engr.oregonstate.edu/pettit/visit.html

November 1, Homecoming, vs. Arizona. Plan to visit the OSU Engineering tent to meet alumni and friends and see the latest research projects.

IMPORTANT LINKS @ OSU Engineering

- Read MOMENTUM! on the Web at: http://engr.oregonstate.edu/momentum
- Give to the Top-25 Campaign online: http://osufoundation.org/giving/index.html
- Send us your feedback, ideas, and news: OSUEngineering@oregonstate.edu
- Visit the College of Engineering at: http://engr.oregonstate.edu
- Visit the OSU Foundation at: http://osufoundation.org
- Visit the OregonEngineer website at: http://OregonEngineer.org