

A service of the Oregon Pre-Engineering & Applied Sciences Initiative (OPAS) funded by ETIC

To subscribe or get more info, please contact Jo Oshiro - jo_oshiro@ous.edu or 503.821.1139

archives: <http://opas.ous.edu//OPASsphere/index.html>

In this issue:

- ***Events: PLTW in October; Grants 101; EESC Poster Contest; OSU Virtual Labs***
- ***Funding: Vernier Awards***
- ***Equity: New OUS Vice-Chancellor; New ITEA pub***
- ***Articles: No Math Gender Gap; OIT makes US News Top 10***
- ***Research: India needs more engineering students***
- ***Fun Stuff (!?!): Hurricane Gustav***

Events – Announcements

- **PLTW Counselor Conference October 10, 2008** – OIT will offer Project Lead The Way (PLTW) Counselor Training, Administrator/New Teacher Information and Veteran PLTW Teacher Professional Development.
 - Flier: http://opas.ous.edu//PLTW_Advocacy/Counselor_Conference_2008_flier.pdf
- **Grants 101: Professional Grant Proposal Writing Workshop** will be held at the Portland Community College - CAPITAL Career Center in Beaverton, Oregon from September 8 - 10, 2008. All participants will receive certification in professional grant writing from the Grants Institute. Call (888) 824 - 4424 or visit The Grant Institute at www.thegrantinstitute.com.
- **The EESC Fall 2008 Poster Contest is Underway! Cash prizes!** Theme = “Engineers Make a Difference” for the Engineering Education Service Center’s Fall 2008 Poster Contest. Posters should be fun, motivational and inspire students to pursue a degree in engineering, technology and/or science – make a display of inspiration, excitement, wonder and curiosity. Contest deadline: 11:59pm November 12, 2008
 - Flier: <http://www.engineeringedu.com/contest.htm>
- **OSU Virtual Chemical Vapor Deposition (CVD) Lab Workshop October 10, 2008:** Based on the positive feedback from the last workshop we held this summer, Oregon State University is again hosting a one-day workshop for high school teachers and university faculty who would be willing to use OSU’s **Virtual CVD Laboratory** (simulating deposition of silicon nitride on wafers in a furnace) in their class(es) during the 2008-09 or 2009-10 academic years. Workshop participants must also agree to assist project staff in measuring the effectiveness of the virtual laboratory in their class(es). A stipend is available. For more info and an application form please see http://cbee.oregonstate.edu/education/Workshop_Webpage/workshop.html While the focus of this workshop is Chemical Vapor Deposition, OSU has also developed a **Virtual BioReactor**. For more information, see <http://cbee.oregonstate.edu/education>.
Thanks to Milo Koretsky, OSU and Tom Thompson, ODE.

Funding

- **Vernier and NSTA Partner to Offer Technology Award** for the most resourceful science teachers in the country. Seven awards will be given to educators judged to have created the best inquiry-based, hands-on learning activities using data-collection technology interfaced with computers, graphing calculators, and other handheld devices. Up to one elementary teacher, two middle school teachers, three high school teachers, and one college-level educator will receive \$1000 in cash, \$1000 in Vernier equipment, and \$1000 toward travel and expenses for attending

The OPAS Vision is that all Oregonians have the opportunity to choose and successfully pursue engineering or applied science as their field of study and career, thereby helping Oregon’s industries contribute to state economic needs, and innovate and prosper in the global economy.

A service of the Oregon Pre-Engineering & Applied Sciences Initiative (OPAS) funded by ETIC

To subscribe or get more info, please contact Jo Oshiro - jo_oshiro@ous.edu or 503.821.1139

archives: <http://opas.ous.edu//OPASsphere/index.html>

NSTA's 2009 National Convention. **Entries are due by October 15, 2008** and will be judged by a panel of experts appointed by NSTA. Applications and guidelines are available at www.vernier.com/grants. Educators can be nominated or self-nominated.

Thanks to the Superintendent's Update <http://www.ode.state.or.us/search/results/?id=364>

Equity

- **New OUS Vice Chancellor for Student Success Initiatives Appointed.** Joe Holliday will begin his new position in the Eugene-based Chancellor's Office on September 2nd. Holliday's work will include primary responsibility for leadership and coordination of OUS student success initiatives within the university system and between OUS and other education sectors; development and analysis of policies and initiatives related to access and student outreach, affordability, university admissions, and student retention and completion; coordination and liaison with OUS councils and committees related to student affairs functions, committees and staff of the Joint Boards of Education, and external organizations (e.g., The College Board); and overseeing development of technologies that support PK-20 alignment.
 - Full press release: http://www.ous.edu/news_and_information/news/082608.php
- **Determining Progress Toward Achieving Equity**, a new publication from ITEA includes
 - Equity in Science, Technology, Engineering and Mathematics (STEM)
 - Factors that influence females' decisions to participate in STEM areas
 - Assessing equity in your program
 - Creating an equity action
 - Retention and Recruiting
 - Resources
 - To get your CD call 703.860.2100 or :
<http://www.iteaconnect.org/Resources/PressRoom/2008/april/EquityGuideAdQtr.pdf>

Thanks to Tom Thompson

Articles

- **Math Achievement no longer has a gender gap** per NPR's "All Things Considered" --
<http://www.npr.org/templates/story/story.php?storyId=92881902&sc=emaf>
Thanks to Tim Brower
- **Magazine ranks OIT in top 10 listing**, Klamath Falls Herald and News, 8.22.2008 -- Oregon Institute of Technology was ranked as a top 10 baccalaureate college for the second year in a row by U.S. News & World Report. The 2009 edition of the rankings was released Wednesday. OIT was one of only four public schools in the West in the top 10, and one of two in Oregon. Press release: <http://www.oit.edu/Default.aspx?DN=5bfbf8a0-629d-4ca1-93b3-7dee1e450d31>
Rankings: <http://www.usnews.com/>

Research

- **Engineering Education in India Study shows students are not opting for higher education**, per the Observer Institute; executive summary available at

The OPAS Vision is that all Oregonians have the opportunity to choose and successfully pursue engineering or applied science as their field of study and career, thereby helping Oregon's industries contribute to state economic needs, and innovate and prosper in the global economy.

A service of the Oregon Pre-Engineering & Applied Sciences Initiative (OPAS) funded by ETIC

To subscribe or get more info, please contact Jo Oshiro - jo_oshiro@ous.edu or 503.821.1139

archives: <http://opas.ous.edu//OPASsphere/index.html>

<http://www.observerindia.com/cms/sites/orfonline/modules/report/ReportDetail.html?cmaid=15015&mmacmaid=15016>

Thanks to Di Saunders

Fun Stuff (?!?!)

- **Hurricane Gustav:** Tulane University, including Jo's freshman daughter Laura, evacuated its New Orleans campuses starting Thursday evening after the second day of classes. Laura is staying with the family of a fellow freshman about 150 miles west of the city, and may, depending on the storm track, move another 100 miles inland. Laura reports many gas stations are out of gas, but that the hurricane-experienced are not yet boarding up houses.

The OPAS Vision is that all Oregonians have the opportunity to choose and successfully pursue engineering or applied science as their field of study and career, thereby helping Oregon's industries contribute to state economic needs, and innovate and prosper in the global economy.