



CECS Newsletter – April 2014

Events	News & Announcements
<p>Humanitarian Engineering Dr. Andres Valderrama, Aalborg University 4/1, 11am, MZ222 <i>Transportation systems, engineers and social justice</i> 4/1, 2pm, AH151 <i>What is a good design for people? What is a good design with people?</i> 4/3, 9am, BBW250 <i>Design With People</i> 4/3, 11am, MZ222 <i>Transportation systems, engineers and social justice</i></p>	<p>Colorado School of Mines and ConocoPhillips (NYSE: COP) are pleased to announce the establishment of the ConocoPhillips Center for a Sustainable WE²ST (Water-Energy Education, Science and Technology) at Colorado School of Mines with a leadership investment of \$3 million in the university. The center will focus on research and education that promote joint sustainability of unconventional energy production and water resources. Associate Professor of Civil and Environmental Engineering Terri Hogue will serve as director of the ConocoPhillips Center for a Sustainable WE²ST at Colorado School of Mines. Areas of focus for the center include education; community acceptance, communication and corporate social responsibility research; and integrated water resources assessment research. http://minesnewsroom.com/press-releases/conocophillips-establishes-conocophillips-center-sustainable-we2st-colorado-school The story was also featured in the Denver Business Journal http://www.bizjournals.com/denver/blog/earth_to_power/2014/03/conocophillips-establishing-energy-water-center-at.html?ana=RSS&s=article_search&utm_source=dlvr.it&utm_medium=twitter</p>
<p>Applied Math & Statistics All at 3pm, CH143 4/7 Dr. Kary Myers, Los Alamos Laboratory <i>Detecting the Prohibited Operation of Dual-Use Facilities</i> 4/11 Gautam Iyer, Carnegie Mellon University 4/18 Greg Lyng, University of Wyoming 4/25 Margot Gerritsen, Stanford University</p>	<p>Mines students are working with Mechanical Engineering (ME) professor John Steele and Electrical Engineering and Computer Science (EECS) professor Qi Han to build and develop a system to automate oil and gas processes through unmanned robots. Blaster, the original prototype, will be deployed to the Petroleum Institute (PI) in Abu Dhabi to increase the safety in oil and gas refineries. http://minesnewsroom.com/news/mines-builds-robot-increase-safety-abu-dhabi-refineries</p> <p>-----</p> <p>Two CECS graduate programs are nationally ranked in the 2015 US News report. http://minesnewsroom.com/press-releases/mines-ranks-us-news-and-world-reports-2015-best-graduate-schools</p> <p>-----</p>
<p>Underground Construction & Tunneling 4/2, 12pm BB125 Kirk McDaniel, Rio Tinto Copper Growth Innovation <i>Tunnel Ventilation</i> 4/9, 12pm BB125 Dr. Antonio Bobet, Purdue University <i>Seismic Response in Tunnels</i></p>	<p>Nine students on the Mines team, Zephyrus, are in the process of using design prototypes to build a final turbine for the National Collegiate Wind Competition in May in Las Vegas. Competition advisor Cameron Turner (ME) said the team has taken an innovative path in the competition by establishing a supporting business plan and developing an understanding of wind power political issues, in addition to, creating a technical solution to their design. Colorado School of Mines will compete against nine other schools at t. Teams will be showcasing a lightweight, transportable wind turbine that could power small electronic devices. Each team’s prototype wind turbine will be tested in a wind tunnel and scored for performance, operational safety, component durability and system reliability. http://minesnewsroom.com/news/mines-compete-second-wind-turbine-competition</p>