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2011 eNews

EMS Energy Institute 2011 Celebration of Accomplishments ^[1]

December 15, 2011 - The EMS Energy Institute held its 2011 Celebration of Accomplishments banquet on Saturday, December 10. Several faculty, staff and students received awards for their achievements and service to the Institute. Below is a list of the awards presented and their recipients. Congratulations to all!

Burgess Clifford and Song Contribute Chapter for New Book ^[2]

November 28, 2011 - Caroline Burgess Clifford, senior research associate, EMS Energy Institute, wrote the chapter on direct liquefaction for the recently published book, *Advances in Clean Hydrogen Fuel Processing Science and Technology*.

André Boehman highlighted in 2011 Penn State TV commercial ^[3]

November 17, 2011 - Penn State's 2011 TV commercial, Get Connected at Penn State, briefly highlights André Boehman, professor of fuel science, and the Diesel combustion and Emissions Lab at the EMS Energy Institute as part of a montage showing some of the many options at Penn State. To view the commercial [click here](#) ^[3].

Local Section of American Institute of Chemical Engineers Visits Institute ^[4]

November 17, 2011 - On November 16, members from the central Pennsylvania section of the American Institute of Chemical Engineers toured the EMS Energy Institute as part of their November meeting. The tour provided an opportunity for the Institute to showcase its research and facilities to students and professionals in the chemical engineering field.

Cost of Alternative Energy Portfolio Standards in Pennsylvania Report Released

November 14, 2011 - Penn State research scholars Seth Blumsack, assistant professor of energy policy and economics, Andrew N. Kleit, professor of energy and environmental economics, and Babatunde Idrisu, graduate student in Energy and Mineral Engineering, have released a study examining the costs associated with Pennsylvania's Alternative Energy Portfolio Standard.

Gas Flooding Joint Industry Project Holds Successful Meeting in Denver ^[5]

November 14, 2011 - The Gas Flooding Joint Industry Project held its sixth annual meeting in Denver, CO on November 2 ? 3, 2011. This meeting is the first since Russell Johns, project director and professor of petroleum and natural gas engineering, brought the Gas Flooding

Initiative to Penn State.

André Boehman named SAE International Fellow^[6]

October 28, 2011 - André Boehman, professor of fuel science and materials science and engineering, has been elected as a 2011 International Fellow by the Society of Automotive Engineers (SAE).

ConocoPhillips, Penn State Energy Prize for airborne wind turbines ^[7]

October 26, 2011 - Wind turbines that float hundreds of feet above the ground or sea and are deployable in 24 hours are the focus of the "Aerostat Platform for Rapid Deployment Airborne Wind Turbine" project that is the winner of the 2011 ConocoPhillips Energy Prize, awarded by ConocoPhillips and Penn State.

Penn State Managed Consortium Highlighted in *Fossil Energy Today*^[8]

October 17, 2011 - The most recent issue of *Fossil Energy Today*, a newsletter produced by the U.S. Department of Energy (DOE), discussed the new technologies that have resulted from the Stripper Well Consortium (SWC). These technologies, many of which have been commercialized, improve environmental protection while helping independent oil and gas operators.

Rep. Glenn Thompson Visits EMS Energy Institute^[9]

October 11, 2011 - U.S. Rep. Glenn Thompson spent the morning at the EMS Energy Institute. Penn State faculty and representatives from the U.S. Department of Energy's National Energy Technology Laboratory (NETL) were part of a briefing that highlighted NETL's Regional University Alliance and current research initiatives, especially in the area of fossil energy.

Students Garner Awards at International Conference ^[10]

September 22, 2011 - Enette Louw and Fidel Castro-Marcano, graduate students in the John and Willie Leone Family Department of Energy and Mineral Engineering, were recognized at the 28th Annual International Pittsburgh Coal Conference on September 12 - 15, 2011.

Chunshan Song recognized by the Catalysis Club of Philadelphia^[11]

September 22, 2011 - The Catalysis Club of Philadelphia selected Dr. Chunshan Song, director of the EMS Energy Institute and distinguished professor of fuel science, as the recipient of the 2011 Excellence in Catalysis Award.

Bembenic and Clifford to Receive R. A. Glenn Award for Best Paper ^[12]

August 2, 2011 - Meredith Hill Bembenic, a graduate student in the John and Willie Leone Family Department of Energy and Mineral Engineering, and Caroline Burgess Clifford, senior research associate, EMS Energy Institute, were selected to receive the R. A. Glenn Award for best paper from the American Chemical Society (ACS) Fuel Chemistry Division.

Blumsack named Ryan Faculty Fellow ^[13]

July 13, 2011 - Seth Blumsack, assistant professor of energy policy and economics in the John and Willie Leone Family Department of Energy and Mineral Engineering, was named a Ryan Faculty Fellow.

Pennsylvania Biomass Energy Association Holds First Meeting ^[14]

July 20, 2011 - On Tuesday, the Pennsylvania Biomass Energy Association (PBEA) held its first meeting. The goal of the meeting, which had over 50 attendees, was to introduce potential members to PBEA, formalize the organizational framework and strategic plan, and outline steps for moving forward.

Partnership formed to find alternative uses for Marcellus Shale gas ^[15]

July 5, 2011 - A new industry-led initiative to promote in-state use of Marcellus Shale natural gas by developing a system to recover waste heat from electricity was announced June 30 at the Natural Gas Utilization Workshop at Penn State.

Dr. Harold Schobert, Professor of Fuel Science, Retires ^[16]

July 7, 2011 - Dr. Harold Schobert, Professor of Fuel Science in the John and Willie Leone Family Department of Energy and Mineral Engineering and leading researcher in fuel chemistry in the EMS Energy Institute, has retired from Penn State after twenty-five years. His retirement was effective June 30, 2011.

Probing Material Structure with Synchrotron Radiation ^[17]

June 7, 2011 - Today, Yongsheng Chen, assistant professor of energy and mineral engineering, uses techniques based on that seminal paper to identify the chemical state and local atomic structure of atoms up and down the periodic table.

Xiaoliang Ma Leaving the Institute for New Opportunity ^[18]

June 3, 2011 - Dr. Xiaoliang Ma, senior research associate at the EMS Energy Institute, has accepted an offer to lead a refinery research program at Kuwait Institute of Scientific Research, as a program manager.

Energy Engineering students place first in the Lockheed Martin Design Awards ^[19]

May 9, 2011 - Two teams of energy engineering students walked away with top prizes at the Penn State College of Engineering's spring 2011 Design Project Showcase, held April 28 at the Bryce Jordan Center.

The Retail Energy Supply Association (RESA) posted a press release detailing the Electricity Markets Initiative Conference in Harrisburg ^[20]

May 5, 2011 - Industry stakeholders gather in Harrisburg for Electricity markets initiative conference - focus on Innovation, competition and what's next.

Penn State and Dalian Establish the International Joint Center for Energy Research ^[21]

April 29, 2011 - On April 12, Penn State and Dalian University of Technology (DUT) in China celebrated the establishment of the Penn State Dalian Joint Center for Energy Research (JCER).

Chunshan Song to receive 2011 ACS Distinguished Researcher Award in Petroleum Chemistry ^[22]

April 29, 2011 - Chunshan Song, distinguished professor of fuel science in the John and Willie Leone Family Department of Energy and Mineral Engineering and director of the EMS Energy Institute in the College of Earth and Mineral Sciences at Penn State has been selected to receive

the 2011 Distinguished Researcher Award from the Petroleum Chemistry Division of the American Chemical Society (ACS).

Electricity Markets Initiative Holds Successful First Conference ^[23]

April 26, 2011 - The Penn State Electricity Markets Initiative (EMI) held its first conference on April 12, 2011 at the Pennsylvania Public Utility Commission in Harrisburg.

PSU forms partnership to open the Confucius Institute ^[24]

April 13, 2011 - Choruses of "Ni Hao?" and "Hello?" could be heard throughout the room during the Grand Opening Ceremony of Penn State's two newest additions Tuesday: a partnership with the Confucius Institute and the creation of the Dalian Joint Center for Energy Research.

Penn State, Dalian University of Technology celebrate partnerships ^[25]

April 12, 2011 - Academic leaders from Penn State and the Dalian University of Technology (DUT) officially celebrated the opening of the Confucius Institute at Penn State and the Penn State - Dalian Joint Center for Energy Research on April 12 at the University Park campus.

André Boehman to be honored with Colwell Merit Award ^[26]

March 17, 2011 - André Boehman, professor of fuel science and materials science and engineering, has been selected to receive the 2009 Arch T. Colwell Merit Award in recognition of a technical paper he co-authored, "An Experimental Investigation of the Origin of Increased NOx Emissions when Fueling a Heavy-Duty Compression-Ignition Engine with Soy Biodiesel."

New process cleanly extracts oil from tar sands and fouled beaches^[27]

March 17, 2011 - A new, more environmentally friendly method of separating oil from tar sands has been developed by a team of researchers at Penn State. This method, which utilizes ionic liquids to separate the heavy viscous oil from sand, also is capable of cleaning oil spills from beaches and separating oil from drill cuttings, the solid particles that must be removed from drilling fluids in oil and gas wells.

Bojowald, Cheney, Hedges, Krishna, Song receive Faculty Scholar Medals^[28]

March 17, 2011 - Five University faculty members have received the 2011 Faculty Scholar Medals for Outstanding Achievement.

2011 Faculty/Staff Award recipients announced, lauded for achievements^[29]

March 17, 2011 - Each year, Penn State honors several members of its faculty and staff for the highest levels of academic excellence, outstanding leadership and meritorious service. The honorees will receive their awards at a ceremony at noon Wednesday, March 23, at the Nittany Lion Inn.

ConocoPhillips, Penn State rev up 2011 Energy Prize Competition ^[30]

March 7, 2011 - For the fourth year in a row, ConocoPhillips and Penn State kick off the ConocoPhillips Energy Prize. Their goal is to see who can develop the most original and actionable solutions that can help improve the way the United States develops and uses energy.

Earth and Mineral Sciences exhibition attracts crowd^[31]

March 1, 2011 - More than 200 prospective students came from as far away as California to attend classes with their student sponsors and meet with Penn State alumni in their fields to learn more about college choice and careers.

Chunshan Song to receive 2011 Faculty Scholar Medal ^[32]

February 24, 2011 - Chunshan Song has been selected to receive a 2011 Faculty Scholar Medal for Outstanding Achievement. Established by the University in 1980, the award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme.

Boehman's research highlighted in video^[33]

February 7, 2011 - Dr. André Boehman, professor of fuel science, was the subject of a short video to highlight his research on alternate sources of diesel fuel.

Videos highlight Penn State's breadth of alternate energy research^[34]

February 3, 2011 - Penn State has more than 500 researchers working in the areas of energy and the environment, centered through the Penn State Institutes of Energy and the Environment, which are working to advance the energy and environmental missions of the University.

New map highlights Energy Institute partners^[35]

January 21, 2011 - Take a look at the Energy Institute new map that highlights collaborations with industry, government, and academia around the U.S. and throughout the world on advanced energy research.

Stephen Kirby moving on after 11 years at the Insitute ^[36]

January 21, 2011 - Stephen Kirby, Research Associate, will be leaving the EMS Energy Institute on January 28 to join Naivstar, Inc. in Melrose Park, Illinois as senior project engineer ? fuels.

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