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2010 eNews

Penn State Energy Day agenda and presentations available online^[1]

December 17 - Energy research at Penn State was the focus of a daylong series of presentations by University faculty along with government and industry representatives at the National Press Club in Washington, D.C., on Nov. 19. The event was sponsored by the U.S. Energy Association, which represents public and private energy-related organizations, corporations and government agencies.

EI faculty, staff, students receive recognition^[2]

December 16, 2010 - The EMS Energy Institute held its 2010 Celebration of Accomplishments banquet on Friday, December 10, 2010. Several faculty, staff and students received awards for their achievements and service to the Institute.

Vander Wal's work contributed to NASA Group Achievement Award^[3]

November 18 - Randy Vander Wal, associate professor in energy and mineral engineering, and his team supported the AAFEX field campaign studying alternative fuels and recently presented some of this work at the American Chemical Society National Fall Meeting.

Boehman talks to WTAJ about ethanol blend fuel^[4]

November 11, 2010 - Andre Boehman, professor of fuel science, talks to WTAJ about the problems with using the EPA approved E-15, a 15 percent blend of ethanol in gasoline, to fuel cars and other small engines.

ConocoPhillips, Penn State award Energy Prize to rural cogeneration^[5]

October 19, 2010 - Electricity and hot water for remote, off-the-grid health clinics and schools is the focus of the "Small Scale Solar Organic Rankine Cycle for Rural Cogeneration" project that is the winner of the 2010 ConocoPhillips Energy Prize, awarded by ConocoPhillips and Penn State.

Yu Zhang has feature article in *Combustion and Flame*^[6]

October 13, 2010 - *Combustion and Flame*, the official journal of the Combustion Institute, chose an original research paper from Yu Zhang as the feature article for the October 2010 issue.

New Blumsack article explores hot topic of electricity infrastructure vulnerability^[7]

October 13, 2010 - A recent article by Seth Blumsack, assistant professor of energy policy and economics, entitled, "Do topological models provide good information about electricity

infrastructure vulnerability?" is generating online buzz.

Vander Wal's ACS Presentation Recorded and Published Online^[8]^[9]

October 6, 2010 - Vander Wal's presentation was chosen to be recorded and published on the ACS Web site.

Karpyn awarded Wood Fellowship^[10]

September 17, 2010 - Professor Zuleima Karpyn has been selected as the Quentin E. and Louise L. Wood University Endowed Fellow in Petroleum and Natural Gas Engineering.

Earth and Mineral Sciences' summer experience program sees success^[11]

August 5, 2010 - The College of Earth and Mineral Sciences (EMS) conducted the Summer Experience in the Earth and Mineral Sciences (SEEMS) program from June 15-21.

Randy Vander Wal's Work in NASA Tech Briefs^[12]

July 30, 2010 - Randy Vander Wal, associate professor, Energy and Mineral Engineering, recently had his work highlighted in the July edition of *NASA Tech Briefs*. The article, Processing Nanostructured Sensors Using Microfabrication Techniques, details the outcome of a three-year project, in which researchers developed a new approach to the fabrication of microsensors with nanostructures.

Chunshan Song Elected to the 2010 Class of ACS Fellows^[13]

July 26, 2010 - Chunshan Song, distinguished professor of fuel science in the Department of Energy and Mineral Engineering and director of EMS Energy Institute at Pennsylvania State University, has been elected to the 2010 class of Fellows of the American Chemical Society (ACS).

EMS Energy Institute Researchers Granted Patent^[14]

July 21, 2010 - The patent, titled *Oxidatively Regenerable Adsorbents for Sulfur Removal*, is shared by Chunshan Song, distinguished professor of fuel science; Xiaoliang Ma, senior research associate; Fuxia Sun, postdoctoral research associate; and former graduate student Shingo Watanabe.

Harold Schobert Elected to the 2010 Class of ACS Fellows^[15]

July 14, 2010 - Harold Schobert, professor of fuel science in the Department of Energy and Mineral Engineering and leading researcher in fuel chemistry in the EMS Energy Institute, has been elected to the 2010 class of Fellows of the American Chemical Society (ACS).

WPSU broadcast ? Inside the Gulf Oil Spill^[16]

May 26, 2010 - WPSU takes an inside look at the Gulf Oil Spill. Host Patty Satalia talks with guests Turgay Ertekin, petroleum and natural gas engineer; Robert Brooks, aquatic wetlands ecologist; and R.J. Briggs, energy economist, to examine the April 20th accident.

Yongsheng Chen Receives DARPA Young Faculty Award^[17]

May 1, 2010 - Yongsheng Chen, assistant professor of energy and mineral engineering, has received a 2010 Young Faculty Award from the Defense Advanced Research Projects Agency

(DARPA).

CNN.com -Coal, oil and the price we're willing to pay ^[18]

April 27, 2010 - Andy Kleit, professor of energy and environmental economics, shares his opinion on the cost of energy. "...there are no simple solutions to U.S. energy challenges. Wherever we get our energy, the price we pay for it is high."

Chunshan Song Wins the 2010 Henry H. Storch Award in Fuel Chemistry from ACS ^[19]

April 15, 2010 - Chunshan Song, distinguished professor of fuel science in the Department of Energy and Mineral Engineering and Director of EMS Energy Institute at Penn State, was selected to receive the Henry H. Storch Award in Fuel Chemistry at the American Chemical Society (ACS) Spring 2010 national meeting held in March 2010.

Penn State LIVE - Faculty team awarded \$2.85 million NSF grant for K-12 education ^[20]

April 15, 2010 - Angela Lueking, associate professor in energy and mineral engineering, is part of a team awarded a \$2.85 Million Grant for K-12 education.

Assistant Professor's Research Televised in Australia ^[21]

April 7, 2010 - Demian Saffer, assistant professor, Geosciences, and several other researchers were recently interviewed for a mainstream science show broadcast in Australia.

Watch Video: <http://www.abc.net.au/catalyst/stories/2836752.htm> ^[22]

Stripper Well Consortium Request for Proposals Released ^[23]

April 2, 2010 -The Request for Proposals for 2010 has been released.

André Boehman to Receive Award for Outstanding Technical Paper ^[24]

April 1, 2010 - André Boehman, professor of fuel science, has been chosen to receive the 2009 SAE John Johnson Award for Outstanding Research in Diesel Engines in recognition of a 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."

March 24, 2010 - Penn State LIVE

[Initiative to study Pennsylvania electricity markets and economics](#) ^[25]

Third annual PA Home Energy Conference was Success ^[26]

March 23, 2010 - The 2010 PA Home Energy Conference was held on March 15 and 16 at the Penn Stater Conference Center Hotel.

March 17, 2010 - Penn State LIVE

[ConocoPhillips, Penn State launch 2010 ConocoPhillips Energy Prize](#) ^[27]

February 12, 2010 - Penn State LIVE

[Penn State names distinguished professors for 2010](#) ^[28]

February 5, 2010 - College of Earth and Mineral Sciences Press Release

[College of Earth and Mineral Sciences Announces 2010 Distinguished Professor](#) ^[29]

EMS Energy Institute Participates in EMEX ^[30]

February 2010 - The EMS Energy Institute took part in the 2010 Earth and Mineral Sciences Exposition (EMEX) on February 27, 2010.

January 7, 2010 - Penn State LIVE

[Penn State professor wins rare international research award](#) ^[31]

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