

## schedule of events

**Tuesday, October 22, 2013**

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**8:30 a.m. to 3:00 p.m. Registration**

**10 a.m. Welcome and opening remarks -**

Dr. Michele G. Wheatly, *Provost of West Virginia University*

**10:30 a.m. to noon Panel #1: Let's be realistic: The real story of energy**

**Moderator:** Scott Rotruck, *Spilman Thomas & Battle, PLLC*

- ***The changing reality of energy development and use, or, 'What's heating your coffee today and what will be heating it tomorrow?'***  
Jeff LaFleur, *Vice President of Generation, Appalachian Power Company*
- ***What is the realistic long-term future for coal?***  
Peter Balash, *Deputy Director, Strategic Energy Analysis and Planning Division, NETL*
- ***What is the real impact of new shale gas technology?***  
Jim Crews, *Vice President of Business Development, MarkWest Hydrocarbon*
- ***What is the realistic amount of energy we can obtain from renewables?***  
Christine Risch, *Director, Marshall Center for Business and Economic Research*

**Noon to 1:30 p.m. Luncheon**

**The opportunities and challenges of abundant energy use and supply**

Cal Kent, *retired VP of Business and Economic Research, MU*

Tom Witt, *Professor Emeritus of Economics, WVU*

**1:30 p.m. to 3:00 p.m. Panel #2: Heating things up: Energy's evolution in response to climate change**

**Moderator:** Lindsay Emery, *Linking Innovation, Industry & Commercialization, WVU*

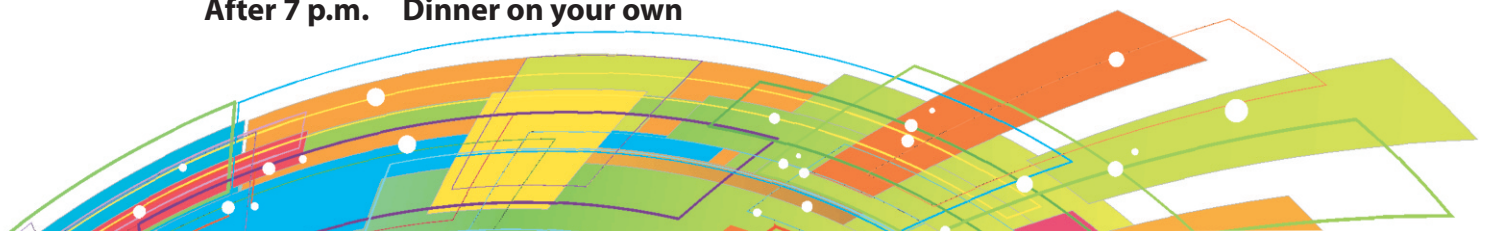
- ***History and forecast of climate change***  
Kevin Law, *WV State Climatologist, MU*
- ***Energy policy and law***  
Joshua Fershee, *Associate Professor, Center for Energy and Sustainable Development, WVU*
- ***Evolution of energy technologies***  
Carey Butler, *Vice President of Energy Programs, KeyLogic*
- ***Sustainability and utilization of forest energy resources***  
Randy Dye, *Director, WV Division of Forestry*

**3:30 p.m. to 4:45 p.m. Keynote Speaker – David Pogue**

*Technology columnist for New York Times and Scientific American, Host of PBS Series Nova Science Now*

**5 p.m. to 7 p.m. Networking Reception and science video presentation viewing (and judging)**

**After 7 p.m. Dinner on your own**



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**7:30 a.m. to 8:30 a.m. Breakfast/Registration**

**8:30 a.m. to 10:15 a.m. Panel #3: Energetic minds: A sample of energy research in West Virginia**

**Moderator:** Kevin DiGregorio, *Chemical Alliance Zone*

- **The latest in shale gas research**  
Timothy R. Carr, *Professor of Energy, WVU*
- **The potential of geothermal energy in West Virginia**  
Brian Anderson, *Professor, Chemical Engineering, WVU*
- **Biofuels as a transportation fuel**  
Derrick Kolling, *Professor, Biofuels, MU*
- **The promise of biomass**  
Amir Hass, *Research Associate, Agricultural and Environmental, WVSU*
- **State funded research in electrochemical energy storage**  
Xingbo Liu, *Associate Professor, Center for Electrochemical Energy Storage, WVU*

**10:30 a.m. to noon Panel #4: Efficient and effective: Promising programs to address energy efficiency**

**Moderator:** Sarah Halstead, *Sustainable Community & Economic Development Specialist, WVSU*

- **Implementing leadership in energy and environmental design (LEED) building standards**  
Thom Worlledge, *Architect, U.S. Green Building Council*
- **WVU's Solar Decathlon team and the promise of low energy houses**  
Dimitris Korakakis, *Professor, Computer Science and Electrical Engineering, WVU*
- **Overcoming roadblocks in future computing at the Center for Energy Efficient Electronics at MU and WVU**  
Micky Holcomb, *Assistant professor of Physics, WVU*
- **WVU Center for Alternative Fuels, Engines and Emissions**  
Dan Carder, *Director, CAFEE*

**Noon to 1:30 p.m. Lunch and video awards**

**1:30 p.m. to 3 p.m. Panel #5: Who is going to do all this? Developing the energy workforce**

**Moderator:** Gary Clay, *Past President of the West Virginia Manufacturers' Association*

- **K-12 education for energy-literate employees**  
Donna Burge, *Tetrick, Executive Director, Office of Career Technical Instruction, West Virginia Department of Education*
- **Community & Technical College educational programs for energy workers**  
Jim Skidmore, *Chancellor, Community and Technical College System of West Virginia*
- **Undergraduate programs for energy workers**  
Fonda Holehouse, *Professor, E\*QUAD program, WVU*
- **The compass project at UC Berkeley. A self-formed group of students to improve science education**  
Anna Zaniewski, *Academic Professional, Arizona State University*

**3 p.m. to 3:30 p.m. Closing Panel: What's next for the energy industry in West Virginia?**

**Moderator:** Dr. Jan Taylor, *Director of Science and Research, West Virginia Higher Education Policy Commission*

**3:30 p.m. Closing Remarks**