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The 8<sup>th</sup> Annual University of Pittsburgh [Electric Power Industry Conference](#)

November 11 and 12, 2013 – University Club, Pittsburgh PA

*“Advancing Grid Technologies: from Macro to Micro”*

**Conference Chair: Gregory Reed, Ph.D.**

Director, Electric Power Initiative and Associate Director, Center for Energy  
Associate Professor, Electrical and Computer Engineering Department  
Swanson School of Engineering, University of Pittsburgh

**CONFERENCE SCHEDULE AND PROGRAM**

9:00 AM - Registration and Networking – Main Lobby

**Monday morning Nov. 11 (Ballroom B – 2<sup>nd</sup> Floor):**

10:00 AM - Welcome: **Conference Chair**

10:05 AM - Opening Remarks: **Chancellor Mark Nordenberg – University of Pittsburgh**

11:00 AM - Graduate Student Symposium:

Moderator: **Brandon Grainger – R.K. Mellon Graduate Research Fellow**

Presentations from Pitt Electric Power Engineering Ph.D. and M.S. students providing overviews of the group's research activities, and introducing elements of the GSR poster session

12:15 PM - Swanson School update: **Gerald Holder, Ph.D. – Dean, Swanson School of Engineering**

**12:30 PM - LUNCH**

Luncheon Keynote Address: **Patricia Hoffman – Assistant Secretary, U.S. Department of Energy, Office of Electricity Delivery and Energy Reliability**

**Monday afternoon Nov. 11:**

1:30 PM - **Technical Program Sessions** (concurrent tracks):

Session 1 (Ballroom B – 2<sup>nd</sup> Floor) – **“Transmission Technologies and Macro-Energy Control”**:  
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Moderator: **Emmanuel Taylor** – Graduate Student Researcher, Electric Power Initiative; University of Pittsburgh

Speakers:

**Brian Gemmell, Ph.D.** – Director, Sales & Marketing, Power Transmission Division; Siemens Energy Inc.

**Eric John** – Director, Marketing & Sales, FACTS North America; ABB Inc.

**Neil Kirby and Reginald Mendis, P.E.** – Business Development, HVDC & FACTS; Alstom Grid

**Donald Shoup, P.E.** – Manager, Power Systems Engineering Services; Mitsubishi Electric Power Products Inc.

**Dennis Tkacs** – Manager, Strategic Programs; Emerson Power & Water Solutions

Session 2 (Conference Room A – 3<sup>rd</sup> Floor) – **“Distribution Systems and Micro-Grid Developments”**:  
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Moderator: **Tom McDermott, Ph.D.** – Asst. Professor, Electrical & Computer Engineering; University of Pittsburgh

Speakers:

**Dushan Boroyevich, Ph.D.** – Co-Director, Center for Power Electronics Systems and AEP Professor; Virginia Tech

**Roger Dugan** – Sr. Technical Executive; Electric Power Research Institute (EPRI)

**James Fields** – Chief Operating Officer; Pitt-Ohio Express Inc.

**Anu Narayanan, Ph.D.** – Associate Engineer; RAND Corporation

**John Swanson, Ph.D.** – National Academy of Engineering and retired Founder/CEO; ANSYS Inc.

4:00 PM - A) **Graduate Student Researcher Poster Session** (Gold Room and Lobby – 2<sup>nd</sup> Floor)

Posters will be available for viewing in the Library and the Lower Lobby areas of the Univ. Club throughout the entire conference. The 4:00 pm to 5:30 pm time frame is set aside specifically for when the students will be available at their posters to present, discuss, and answer questions.

B) **Electric Power Systems Lab Tours** (8<sup>th</sup> Floor, Benedum Hall):

Tours will be scheduled, in 20 min. intervals at 4:00, 4:20, 4:40, and 5:00 PM, of the new Eaton-sponsored Electric Power Systems Lab, located on the 8th floor of Benedum Hall (located across the street from the conference venue). Attendees will be guided from the University Club main lobby to Benedum Hall.

5:30 PM - AFTERNOON-to-EVENING BREAK

**Monday evening Nov. 11 (Ballrooms A and B):**

**6:00 PM - Student-Industry Networking Event and Exhibit**

The evening event is where all of our students, both undergraduate and graduate, who are studying in the electric power & energy fields come together with our industry partners, government sponsors, and other constituents who will have representation in an exhibit area for a networking reception.

Evening Keynote Address (Ballroom B – 2<sup>nd</sup> Floor):

**Revathi Advaiti – President, Electrical Sector, EATON**

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Reception and Exhibits (Ballroom A – 1<sup>st</sup> Floor) following the keynote address

**List of Exhibitors:**

- Alstom Grid
- ANSYS
- Black Box Network Services
- Curtiss Wright
- Dominion Virginia Power
- DOE-NETL RUA Grid Technologies Collaborative
- Duquesne Light
- EATON
- Electric Power Research Institute
- Emerson Process Management
- John A. Swanson
- Measurement Instruments
- Mitsubishi Electric Power Products, Inc.
- National Institute of Standards and Technology
- Pitt-Ohio Express, Inc.
- RAND Corporation
- S&C Electric
- Siemens Energy, Inc.
- Tollgrade Communications
- University of Pittsburgh, Center for Energy
- University of Pittsburgh, Distance Learning Programs
- University of Pittsburgh, Electrical & Computer Engineering
- University of Pittsburgh, Office of Technology Management
- URS Corporation

**Tuesday morning Nov. 12 (Ballroom B – 2<sup>nd</sup> Floor):**

9:00 AM – 12:00 Noon – **U.S. Dept. of Energy NETL Grid Technologies Collaborative (GTC) Workshop**

Grid technology developments among the DOE NETL Regional University Alliance partners, including: The University of Pittsburgh, Carnegie Mellon University, Penn State University, Virginia Tech, West Virginia University, URS Corporation, and the University Energy Partnership

GTC Panel Session – **“Perspectives on Grid Research Opportunities”**:

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Moderators: **Steve Bossart** – Senior Energy Analyst, U.S. Dept. of Energy, National Energy Technology Laboratory  
**Wayne Honath** – Director, Program Development and Industry Relations; University Energy Partnership

Speakers:

**Al Hefner, Ph.D.** – Smart Grid Team Member; National Institute of Standards & Technology (NIST)  
**Craig Miller, Ph.D.** – Senior Program Manager, Smart Grids; National Rural Electric Cooperative Association (NRECA)  
**Jeff Tolnar** – Vice President, Systems and Products; Elster Solutions  
**Susan Van Scoyoc** – Army Power and Energy Program Lead; Concurrent Technologies Corporation  
**Tom Weaver, P.E.** – Manager, Distribution System Planning; American Electric Power

**12:00 Noon - LUNCH**

Luncheon Remarks: SSOE Center for Energy and Electric Power Engineering Program up-dates

**Tuesday afternoon Nov. 12 (Conference Room A – 3<sup>rd</sup> Floor):**

1:15 PM – **Live Stream Webinar Panel Session**

Topic: **“The Impact of Micro-grid Developments on Power T&D Planning and Operations”**

Moderator: **Gregory Reed, Ph.D.** – University of Pittsburgh

Panelists:

**David Karafa** – President, Pennsylvania Operations; FirstEnergy Corporation  
**David Roop** – Director, Electric Transmission Operations; Dominion Virginia Power  
**Igor Stamenkovic, Ph.D.** – Manager, Research and Technology, Power Distribution and Electrification Systems; Eaton  
TBD

3:15 PM -- CONFERENCE ADJOURNED following Webinar