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**ELECTRIC POWER**  
INDUSTRY CONFERENCE

Presented by the Swanson School of Engineering & the Center for Energy

THE 11th ANNUAL | UNIVERSITY OF PITTSBURGH

**Electric Power Industry Conference**

**November 14 & 15, 2016**

**WELCOME !!**

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# The Grid in Transformation





# Gerald D. Holder, Ph.D.

**U.S. Steel Dean and  
Distinguished Service Professor  
Swanson School of Engineering  
University of Pittsburgh**



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# Conference Committee

## Monica Bell, Carrie Snell

- Registration and Overall Conference Planning and Coordination Activities

## Paul Kovach, Wayne Honath

- Marketing, Communications, and PR
- Corporate Sponsorships and Exhibits

## Leslie Karon-Oswalt, Matt Manzo

- Program Brochure and Artistic Design
- Web Site Development

## Brandon Grainger, Katrina Kelly

- Technical Programs, Panels, Workshops
- Graduate Student Research Symposium and Poster Sessions

## Michael Rooney, Stephanie Opalinski

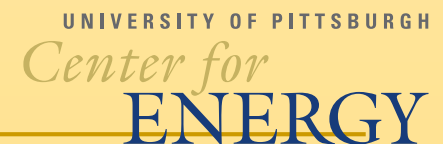
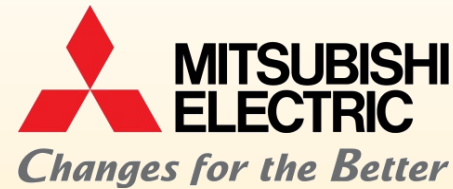
- Program Support and Logistics

## Kenny Doty

- IT and Technical Support



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# Thank You to Our Veterans



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On this Veterans Day, please join me in thanking all veterans, especially our Swanson School of Engineering alumni, students, faculty, and staff who have served honorably in our armed forces.

Sincerely,  
Gerald D. Holder  
*U.S. Steel Dean of Engineering*

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## **Monday Morning Program – November 14**

- 10:00 AM      Welcome:  
**Conference Chair – Gregory Reed, PhD**
- 10:10 AM      Opening Remarks:  
**Rebecca Bagley – Vice Chancellor, Economic Partnerships  
Univ. of Pittsburgh**
- 10:20 AM      Conference Keynote Address:  
**Richard Riazzi – President and CEO  
Duquesne Light Co.**
- 11:15 AM      Graduate Student Research Symposium:  
Moderator:  
**Brandon Grainger, Ph.D. – University of Pittsburgh**
- 12:30 PM      **Lunch**
-



# Opening Remarks

**Rebecca Bagley**  
**Vice Chancellor of**  
**Economic Partnerships**  
**University of Pittsburgh**





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**Rebecca Bagley**

**Opening Remarks**

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## Conference Keynote Address

**Richard Riazzi**

**President and CEO  
Duquesne Light Co.**



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**Richard Riazzi**

**Conference Keynote Address**

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# **Graduate Student Research Symposium**

**Dr. Brandon Grainger**

**Research Assistant Professor,  
ECE Department  
Electric Power Systems Laboratory**





## **Monday Afternoon Program – November 14**

1:30 PM

### **Technical Session Tracks**

#### **Session 1 – Power Electronic Systems and Devices**

Gold Room, 2<sup>nd</sup> Floor

Moderator: **Ansel Barchowsky – Univ. of Pittsburgh**

#### **Session 2 – Microgrid Experiences and Practices**

Ballroom B, 2<sup>nd</sup> Floor

Moderator: **Michael Rooney – Univ. of Pittsburgh**

#### **Session 3 – Advances in Grid Equipment**

Conference Room A, 3<sup>rd</sup> Floor

Moderator: **Wayne Honath – Univ. of Pittsburgh**

4:00 PM

### **Research Poster Session**

Library and other locations

5:30 PM

### **Afternoon-to-Evening Break**

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## **Monday Evening Program – November 14**

**6:00 PM**      **Evening Session Keynote Address**  
Ballroom B, 2<sup>nd</sup> Floor

**Lloyd Yates**

**– Executive Vice President and President Carolinas Region  
Duke Energy**

**7:00 PM**      **Student–Industry Networking Reception and Exhibits**  
Ballroom A, 1<sup>st</sup> Floor





## Monday Evening Program – November 14

### List of Exhibitors

ABB	First Energy	PC Krause & Associates
Aclara	HICO America	Power Analytics
ANSYS	i+iconENERGY	University of Pittsburgh, Center for Energy
Burns & McDonnell	Itron	University of Pittsburgh, Distance Learning Programs
CE Power	KEMA	University of Pittsburgh, Office of Technology Management
Duquesne Light	Keysight Technologies	U.S. Department of Energy
Eaton	Mitsubishi Electric	Sargent Electric
Emerson	NovaTech	
EnerNOC	NRG Energy	
	OPAL-RT Technologies	

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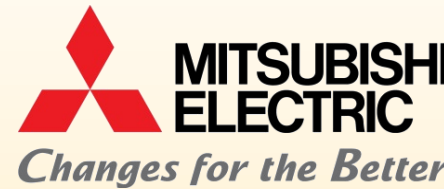


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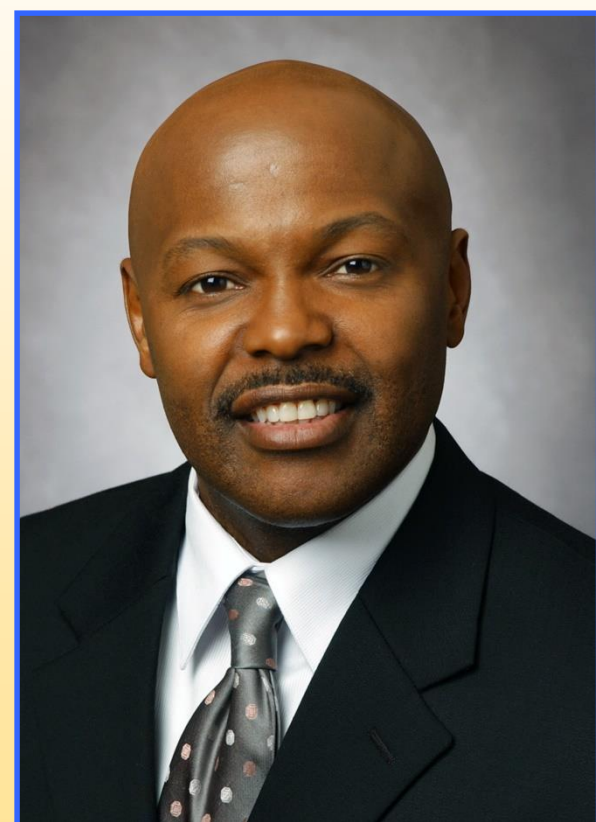
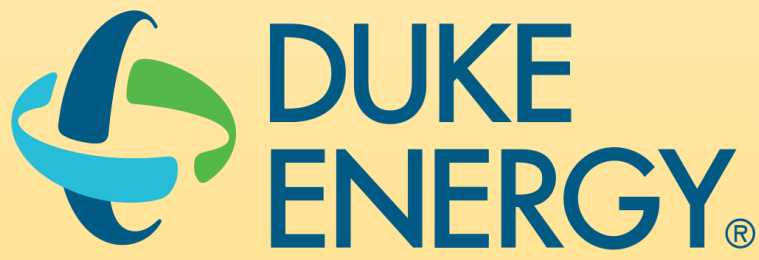




## Evening Session Keynote

**Lloyd Yates**

**Executive Vice President and  
President Carolinas Region  
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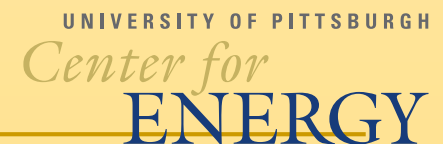
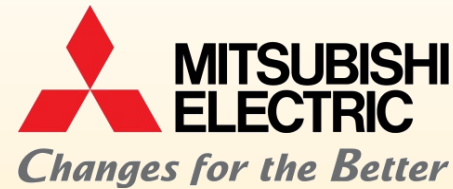
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## **Tuesday Program – November 15**

9:00 AM Welcome and Day 1 Conference Re-Cap:  
**Conference Chair – Gregory Reed, PhD**

9:15 AM **Grid Modernization Workshop**

Moderator:

**Katrina Kelly, PhD – Manage, Strategy and Business Development  
Center for Energy, University of Pittsburgh**

Panel Session:

**Ralph Masiello, Ph.D. – Quanta Technology**

**John Moura – North American Reliability Council**

**Patrick O'Connor – Reliability First**

**Joseph Paladino – U.S. Department of Energy**

**David Roop – Dominion Virginia Power**



## **Tuesday Program – November 15**

**10:30 AM      Workshop Breakout Sessions**

**Topic 1 – Utility Business Models**

Gold Room – 2<sup>nd</sup> Floor

**Moderator: Benjamin Morris – Duquesne Light Co.**

**Topic 2 – Grid Infrastructure Challenges**

Ballroom B – 2nd Floor

**Moderator: Steven Bossart – U.S. Dept. of Energy, NETL**

**11:45 AM      Breakout Session Summary Reports and Open Discussion**

**12:25 PM      Closing Remarks – Conference Chair**

**12:30 PM      Lunch**

**1:30 PM      Adjourn**



# THANK YOU !!



Thank you for attending the Electric Power Industry Conference