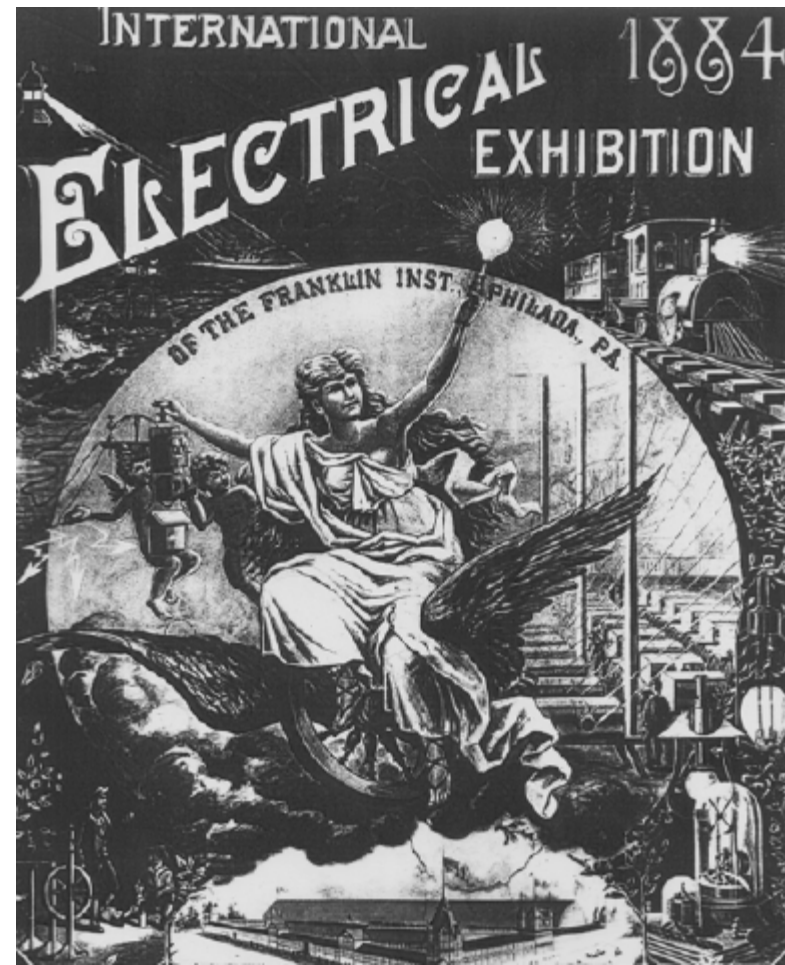




IEEE PES

Daniel Goodrich



# PES

- Formerly Power Engineering Society
- Now Power and Energy Society
- There are 536 Power & Energy Standards of the 1254 IEEE Standards (43%).

## **The Mission of PES is:**

- To be the leading provider of scientific and engineering information on electric power and energy for the betterment of society, and the preferred professional development source for our members

## **PES' Field of Interest is:**

- The scope of the Society embraces research, development, **planning, design, construction, maintenance, installation and operation** of equipment, structures, materials and power systems for the **safe, sustainable, economic and reliable conversion, generation, transmission, distribution, storage and usage of electric energy**, including its measurement and control.

# Officers

Chair David Rubenstein, Pacificorp

Vice Chair Carmelle Munoz, PGE

Secretary David Asgharian, PAC

Treasurer Ehsan Maleki, PAC

Member(s)-at-Large Dan Goodrich, BPA

# Meetings

- Every third Tuesday, September through May
- 12:30 to 1:30PM
- Lloyd Center, 825 NE Multnomah Street







- Come anytime, no registration required
- Go to section activities site for info:




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Section Highlights



You are invited to visit the Oregon Section Executive Committee.

[Read more ...](#)

### Section Events

[Print](#)  
[Email](#)

[Previous 30 days](#)
[30 days](#)
[60 days](#)
[90 days](#)
 | 
 [Short Format](#)
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When	What	Who	Where	How
April 10th 6:00 PM (3 hours)	<a href="#">IEEE OREGON EXCOM MEETING</a>		1930 SW 4th Av... Portland	<a href="#">Check for Registration</a>
April 17th 12:30 PM (1 hour)	<a href="#">NW Electric Power Industry Landscape Exploration (2018 – 2030) NO REGISTRATION REQUIRED</a>	Joshua Binus	825 NE Multnom... Portland	<a href="#">Check for Registration</a>

2 meetings Generated Monday, April 9, 2018, at 7:30:00 PM. All times America/Portland. Angeles

# Recent Topics

Dan Bihn		Japan's Emerging Flexible Grid: What we can learn from their response to the triple disasters of 2011
Jamie Austin	Pacificorp Electrical Engineer	Transmission Planning Issues with Renewable Resources on Dispatched Generation
Dmitry Kosterev	BPA Electrical Engineer	BPA's use of Synchrophasors and benefits--Remedial Action Scheme and model validation
Stephan Williams	Powin Electrical Engineer	A successful 2 MW battery energy storage system installation in California and Canada
Afshin Majd	EasyPower	Fundamentals and modeling of Harmonics in Power Systems
Cian Montgomery	Intel	Blockchain, Cryptocurrency, and Power System Loads
Christopher McMurtry	Sharper Shape	Automating Unmanned Aerial Systems Inspection Operations using 3D Power Line Models
Roger Fuerst	Pacificorp Electrical Engineer	Design and Construction Challenges building a new 500/230 kV substation: Snow Goose
Jonathan Denman	Nimbus Power	Hancock Creek and Caligan Creek Interconnection Stability Study

## NEW ISSUES

Electromagnetic Pulses

Purchasing equipment from foreign countries

Intentional shutoff of power during high winds

Decreasing inertia due to solar and wind generation

# Successes and Challenges

- We fill the room EVERY MONTH
- We earn a High Performing Chapter award every year
- Variety of utilities, consultants and retirees in attendance
- Recent field trip to Merwin dam
- The industry is always evolving and changing
- Finding new topics is tough
- PES Summer Meeting is likely canceled, where we send a new officer to be trained