



Objectivity and collaboration to meet tomorrow's needs using today's grid

Tuesday, November 7, 2017

Energy Innovation Laboratory Meeting Center, 775 University Boulevard

7:30 – 8:15	Registration and Continental Breakfast
8:15 – 8:30	Logistics and Keynote Introduction: Jake Gentle, Idaho National Laboratory
8:30 - 8:45	Welcome and Opening Remarks: Todd Combs, Idaho National Laboratory
8:45 – 9:15	Opening Keynote: Charlton Clark, DOE and Charlie Smith, UVIG
9:15 – 9:45	Transmission Line Rating Overview: Dale Douglass, DPC, LLC
9:45 - 10:15	Morning Break
10:15 – 11:30	Overhead Line Ratings: An INL Operational Overview of the Parameters Involved in DLR
	Idaho National Laboratory Presenters: Jake Gentle, Tim McJunkin, Jacob Lehmer, Alex Abboud, Wei Zhang, Missy Petty (NOAA)
11:30 – 12:30	Transmission Expansion: Are the needs driving the right solutions?
	Moderator: Charlie Smith, UVIG
	Panelists Nathan Pinney, Genscape Jack McCall, Lindsey Manufacturing Cody Davis, General Cable Todd Ryan, Smart Wires Prashanth Duvorr, Ampacimon Mark Lancaster, Southwire
12:30 – 1:45	Hosted Lunch Keynote Speaker: Jake Gentle, INL
1:45 – 2:45	Transmission Expansion: Are the needs driving the right solutions?
	Continued...
2:45 – 4:15	A Look at DLR from an Owner's Perspective
	Moderator: Charlton Clark, DOE
	Panelists Dave Angell, Idaho Power Rodger Renwick, AltaLink Buck Fife, Power Engineers Richard Kodera, Stantec
4:15 – 6:00	Meet and Greet INL DOE UVIG
	Reception and Poster Session



Wednesday, November 8, 2017

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7:45 – 8:20	Registration and Continental Breakfast
8:20 – 8:30	Logistics: Jake Gentle, Idaho National Laboratory
8:30 – 10:00	How Operators Use DLR in the Control Center
	<p>Moderator: Missy Petty, NOAA</p> <p>Panelists</p> <p>Shaun Murphy, PJM Catherine Meissner, WindSim Katya LeBlanc, INL Nic Wilson, Vaisala</p>
10:00 – 10:20	Morning Break
10:20 – 11:20	Vision for Integration into Overall Asset Management Strategy
	<p>Panelists</p> <p>Paula Traynor, EPRI Philip Spillane, Lindsey Manufacturing Jonathan Marmillo, Genscape Gerhard Biedenbach, USi Mark Lancaster, Southwire</p>
11:20 – 12:30	C-Level Support in the Utilities <i>Achieving Corporate Buy-in: How Utilities Finance Non-Wire Alternative Projects</i>
	<p>Moderator: Hudson Gilmer, Genscape</p> <p>Panelists</p> <p>Terron Hill, National Grid Dave Angell, Idaho Power Doug Bowman, SPP Bob Bradish, AEP</p>
12:30 – 1:45	Hosted Lunch with Keynote Speaker: Ken Fenton, NOAA
1:45 – 2:45	Rate and Regulation Reform
	<p>Moderator: Rob Gramlich, Grid Strategies LLC</p> <p>Panelists</p> <p>Rich Bauer, NERC Tom Dautel, FERC Paul Kjellander, IPUC</p>
2:40 – 3:30	Cyber Security Considerations for DLR Methodologies
	Idaho National Laboratory Presenters: Jeffrey Klingler and Jed Haile
3:30 - 3:45	Afternoon Break
3:45 – 5:00	Case Studies: What Works and What Doesn't and What Needs to Happen?
	<p>Moderator: Chad Ringley, Pattern Energy</p> <p>Panelists</p> <p>Phil Anderson, Idaho Power Rodger Renwick, AltaLink</p>
5:00 – 5:30	Closing Remarks



Thursday, November 9, 2017

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	Idaho National Laboratory Tour
8:00 – 9:30	Human System Simulation Laboratory ESL Microgrid and Energy Storage TestBed Power and Energy Real-time Laboratory
	Vendor Hosted Mini Sessions at EIL
9:30 – 11:30	<p style="text-align: center;"><u>Platinum-level Vendor</u></p> <p><u>LINDSEY:</u> (Location: EIL A111) Lindsey offers SMARTLINE -TCF, a high accuracy transmission line capacity forecasting system. Capacity forecasts are provided in 1- to 48 hour increments with 99% or better accuracy, usable for operations and economic dispatch. SMARTLINE -TCF eliminates the dispatch and operational limitations associated with fixed capacity transmission assets. SMARTLINE-TCF is based on SMARTLINE-DLR, Lindsey's next generation dynamic line rating application, which combines learned conductor behavior modeling and reliability-based techniques. Lindsey Manufacturing is celebrating 70 years of “touching high voltage every day” with USA designed and manufactured transmission line equipment.</p> <p style="text-align: center;"><u>Gold-level Vendors</u></p> <p><u>USi:</u> (Location: EIL A112) USi provides engineering services and advanced technology products for the electric power delivery industry. Successfully supporting the industry for over 40 years, our staff has extensive experience and qualifications in the disciplines of: real-time monitoring, diagnostic, alarm and control system projects, long-term general maintenance, and emergency support services. USi offers strong electrical and electronic equipment design capabilities, and in-house design and manufacturing of custom-engineered systems including custom control software programming. USi is unique: in addition to designing, fabricating, installing and maintaining custom-engineered products including high voltage cable accessories and pressurizing and cooling plants and associated controls , our staff provides the expertise to integrate with and support customer's existing monitoring and control systems. USi offers a full range of services from staff training to total project execution packages.</p> <p><u>Southwire:</u> (Location: EIL A113) Southwire delivers power to millions of people around the world. One in three new homes built in the United States contains our wire. We produce half of the cable used to transmit and distribute electricity throughout the United States. More than half of the world's refined copper passes through an SCR® system. Our wire plays a key role in the manufacture of other products, from automotive wiring harnesses to electrical motors to insect screening. With a full line of products that meet a wide range of needs, Southwire leads the industry in new and innovative solutions, including our line of Intelligent Grid products for real-time line rating and asset management. Southwire IG solutions utilize monitoring technology licensed from the Electric Power Research Institute (EPRI) with data acquisition and analytics in the Southwire Information Management Solution (SIMS). SIMS is a cloud based, SaaS that uses the OSISOFT PI® data archive, which provides secure and easy integration into utility data systems.</p>
1:00 - 5:00	<p><u>Non-INL Hosted Hike</u></p> <p>For those interested in a hike, you will meet at a determined location and carpool to the site. More details to come as plans are finalized.</p> <p><i>NOTE: This hike is not hosted by INL.</i></p>

