2011 IEEE Rural Electric Power Conference

(**REPC 2011**)

Chattanooga, Tennessee, USA 10 – 13 April 2011



IEEE Catalog Number: ISBN:

CFP11RUE-PRT 978-1-61284-057-4

2011 IEEE RURAL ELECTRIC POWER CONFERENCE Chattanooga, TN

Program Schedule

Sunday, April 10, 2011

- 1:00 PM 6:00 PM **Registration** (Convention Center)
- 10:00 AM 4:00 PM Set Up Exhibits (Convention Center Banquet Rooms I/J/F/G)
- 1:00 PM 3:00 PM Subcommittee Meetings as Scheduled (Marriott Hotel) Computer Applications (East Room) Job Training and Safety (Board Room) NESC (Signal Mountain Room) Power Quality and Efficient Electric Use (West Room) Standards (Director's Room) NRECA T&D Underground (Lookout Mountain Room)
- 3:00 PM 4:30 PM **Committee Business Meeting** (Marriott Hotel Tennessee River Room)
- 4:30 PM 7:00 PM Vendor Display/Exhibitions & Reception (Convention Center Banquet Rooms I/J/F/G)

Monday, April 11, 2011

7:00 AM – 4:00 PM	Registration (Convention Center)				
7:00 AM - 8:00 AM	Breakfast Buffet (Marriott Hotel- Plaza Ballroom)				
9:00 AM - 4:00 PM	Companion Tour: Chattanooga Aquarium & Southern Bell Riverboat Depart from Marriott Hotel Lobby				
8:30 AM – 9:00 AM	 Opening General Session (Convention Center- Meeting Rooms 4/5/6) Presiding: Rhonda Whitaker-Hamm, REPC Chairperson Keynote Speaker: Robin E. Manning, Executive Vice President of TVA's Power System Operations 				
9:00 AM – Noon	Technical Session "A" (Convention Center- Meeting Rooms 4/5/6) Moderator: Rhonda Whitaker-Hamm				
9:00 AM	 A-1 Electric Power and Energy Engineering Education in USA: A Status Report, Issues and Challenges P. K. Sen, PhD, P.E., IEEE Fellow, Colorado School of Mines, Golden, CO 				
9:30 AM	A-2 Medium-Voltage Arc Flash in Open Air and Padmounted Equipment T. A. Short, Senior Member IEEE, and M. L. Eblen, Senior Member IEEE				
10:00 AM	Break – Exhibit Area (Convention Center- Banquet Rooms I/J/F/G)				
10:30 AM	A-3 Grounding Considerations for Large kVA Pad-mount Transformers Ruwan Weeransundara, P.E., Member IEEE, ESC Engineering				
11:00 AM	A-4 Economics of a Small Renewable Generation System Troy Knutson, P.E., Member IEEE, Cass County Electric Cooperative				
11:30 AM	IAS/PES A.P. Seethapathy Rural Electrification Excellence Award Presentation				
11:45 AM	Break – Exhibit Area (Convention Center- Banquet Rooms I/J/F/G)				

2011 IEEE RURAL ELECTRIC POWER CONFERENCE Chattanooga, TN

Program Schedule

Monday, April 11, 2011

Noon – 1:00 PM	Lunch (Marriott Hotel- Plaza Ballroom)					
1:00 PM - 4:30 PM	Technical Session "B" (Convention Center- Meeting Rooms 4/5/6) Moderator: Jerry Josken, Vice Chairman - REPC					
1:00 PM	B-1 R	Rural Energy Security Using Autonomous Micro-turbine Smart Grids Eric T. Matson Ph.D., Anthony Smith, J. Eric Dietz Ph.D., Purdue University				
1:30 PM		Distribution System Analysis and the Future Smart Grid R. F. Arritt, Member IEEE and R. C. Dugan, IEEE Fellow, EPRI				
2:00 PM		Real Time Evaluation and Operation of the Smart Grid Using Game Theory Michael Swearingen, IEEE Member, Tri-County Electric Cooperative				
2:30 PM	Break – Exhibit Area (Convention Center- Banquet Rooms I/J/F/G)					
3:00 PM	B-4 R	Report on Real-Time Grid Analysis Pilots Wayne Carr, Greg Shirek, Milsoft Utility Solutions; Jim See, Owen Electric; and Steven Latham, South Plains				
3:30 PM		Integrated Volt/VAR Control on Rural Distribution Systems David Farmer, P.E., Phillip Ingle and Stephanie H. Morgan, P.E., Members IEEE				
4:00 PM		Expansion of Distribution Automation with Communicating Faulted Circuit Indicators Cameron Smallwood, P.E., Senior Member IEEE; Michael Lattner, E.I.T., Ted Gardner				
4:30 PM	Adjournment					
4:30 PM – 7:00 PM	Vendor	Display/Exhibitions & Reception (Convention Center- Banquet Rooms I/J/F/G)				
		Tuesday, April 12, 2011				
7:00 AM – 12:00 Nooi	n Registr	ration - (Convention Center)				
7:00 AM - 8:30 AM	Vendor Display/Exhibitions Tear Down/Clean Up (Banquet Rooms I/J/F/G)					
7:00 AM - 8:00 AM	Breakfast Buffet (Marriott Hotel- Plaza Ballroom)					
8:30 AM-Noon	Technical Session "C" (Convention Center- Meeting Rooms 4/5/6) Moderator: Chris Brooks, Secretary - REPC					
8:30 AM		J sing the IEEE Comprehensive Test Feeder V. H. Kersting, Life Fellow IEEE, Milsoft Utility Solutions				
9:00 AM		High-Speed Communication-Assisted Tripping and Sectionalizing for Distribution Systems Iteven Turner, Member IEEE, Beckwith Electric				
9:30 AM	C-3 A	Advanced Distribution Reclosing Using Wireless Communications Terrence Smith, P.E., Jakov Vico P.E., Craig Wester, Member IEEE, General Electric				

2011 IEEE RURAL ELECTRIC POWER CONFERENCE Chattanooga, TN

Program Schedule

Tuesday, April 12, 2011

	10:00 AM - 10:30 AM	Break Exhibit Area	Exhibit Tear Dow	n/Clean Up.	After Break
--	---------------------	---------------------------	------------------	-------------	-------------

- 10:30 AMC-4Distribution Automation Systems with Advanced Features
Richard Greer AEP; Will Allen, Jim Schegg and Andrew Dulmage, SEL
- 11:00 AM C-5 Implementing Fast, Configurable, Bolt-On, Self Healing Technology for Distribution Management Systems Stef Budia, Cooper Power Systems
- 1:45 AM 12:45 PM Lunch (Marriott Hotel- Plaza Ballroom)
- 12:45 PM Invitation to 2012 REPC Conference in Milwaukee, Wisconsin Jerry Josken, REPC Vice Chairman
- 1:00 PM 3:00 PM Technical Roundtable Session – "Report on Distribution Automations" Moderator: Doug Turk, REPC Secretary Elect Panelists: Jim McClanahan, S & C Electric Stef Budia, Cooper Power Systems Craig Gerke, Jackson Purchase Electric Coop David Wade, Chattanooga EPB
- 3:00 PM 3:30PM **Door Prizes "You Must Be Present To Win"** Closing Announcements Conference Adjournment
- 3:30 PM 5:00 PM Review of RUS Bulletin #1728F-806 (Specifications and Drawings for Underground Electric Distribution) for Proposed Renumbering and Revisions (All Conference Attendees are Invited) NRECA T & D Underground Subcommittee

Wednesday, April 13, 2011

- 8:00 AM noon Workshop Demand Response Technologies, Integration to the Smart Grid and ISO Markets (Marriott Hotel- Plaza A) Cooper Power Systems
- 8:00 AM Workshop SEL Technical Seminar (Marriott Hotel- Plaza B) Schweitzer Engineering Laboratories, Inc.
- 8:00 AM noon Workshop Distribution Volt/VAR Management (Marriott Hotel- East Room) UC Synergetic