



The Seventh Annual
IEEE PES Conference on
**INNOVATIVE SMART
GRID TECHNOLOGY**

September 6-9, 2016 | Minneapolis, Minnesota

2016 IEEE PES Innovative Smart Grid Technologies Conference ISGT September 6 – 9 2016



2016 IEEE PES Innovative Smart Grid Technologies Conference General Chair, Jacob Bernhagen.

Jacob Bernhagen graduated from the University of Minnesota – Twin Cities in 2009 with a B.S. in Electrical Engineering. He has spent over 8 years working in the electric utility industry and currently works as a system protection engineer at Xcel Energy in Minneapolis, Minnesota. He is a member of IEEE, chairman of the Twin Cities chapter of the IEEE Power and Energy Society, a registered professional engineer in Minnesota, and a member of the planning committees for the 2016 Innovative Smart Grid

Technologies Conference and the 2016 Minnesota Power Systems Conference.

On behalf of the ISGT Planning Committee it is my great pleasure to welcome you to Minneapolis, Minnesota and the 7th IEEE Innovative Smart Grid Technologies (ISGT) Conference. The theme for this year's conference, organized by the IEEE Power & Energy Society, is "Transformation and Advancements for Grid Modernization". The goal is to highlight how the electric industry landscape is changing thanks to developments in information and communication technologies as well as the emergence of renewable and distributed energy resources. Throughout the conference's four days you will find diverse programming, informative discussions, and plenty of networking opportunities. We have put together 3 tutorial sessions, 3 plenary sessions, 24 panel sessions, and 16 paper sessions, all covering a range of topics and areas of interest related to the smart grid. We looking forward to meeting you and we hope that you thoroughly enjoy your time at the conference and in Minneapolis.

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2016 IEEE PES Innovative Smart Grid Technologies Conference Technical Chair, Joe Paladino

Joe Paladino graduated from Middlebury College in 1977 with a degree in biology and, after teaching for a couple of years, entered graduate school at the University of Pittsburgh where he received a Master's Degree in Civil Engineering in 1984. He went on to work for Westinghouse Electric Corporation and later joined the U.S. Department of Energy in 1992. He has worked for most of his career in the advancement and commercialization of technology to address energy and environmental issues, and over the past 10 years he has focused primarily in the area of grid modernization and smart grid adoption.

On behalf of the ISGT Technical Committee, I also want to welcome you to the IEEE ISGT 2016 Conference in Minneapolis which has drawn over 300 people from academia, industry and the government to discuss issues and effective strategies for grid modernization. Perhaps, the greatest transformation may occur at the distribution system level where the emergence of new technologies, including intelligent assets owned by consumers, may challenge traditional approaches for grid planning, operations, and markets. We want to thank all of you who have chosen to participate in ISGT 2016 and hope that it serves as an effective forum for dialogue and the initiation of collaborative efforts that can address the challenges of grid modernization during this potentially transformative era.