A Message from Noel Schulz, President of the IEEE Power & Energy Society.

It is my pleasure and privilege to offer you this personal invitation to attend and experience one of the most valuable conferences and educational events for our industry in 2012. Join me and thousands of power and energy professionals from around the globe who will once again assemble and greet one another at the 2012 IEEE PES Transmission and Distribution Conference and Exposition in Orlando, Florida. Members of the PES team are anticipating your arrival. Just as we have done in the past we expect to renew our commitment to the future of the power and energy industry and the work and ethics that bind us together.

The Executive Committee of the Power & Energy Society, the Technical Committees of PES, the IEEE PES Organizing Committee and most importantly the Local Organizing Committee from Progress Energy and the Orlando Utilities Commission have created the most comprehensive conference and exposition to concentrate entirely on all aspects of power and energy industry.

Our theme and program, Making Innovation Work for Tomorrow has been designed to provide you with the knowledge base from which you can operate more efficiently and effectively. You can be sure that it will be a learning experience for industry veterans as well as colleagues who are studying in the field and who seek a career and an opportunity in one of the most exciting professions available today.

The Conference has attracted and received hundreds of individual paper presentations from around the world. The evaluation of each and every paper has been accomplished by a highly regarded peer group of expert professionals and educators from the Technical Committees of the PES to ensure the highest quality of technical accuracy and timeliness.

An Enriching Experience
No matter what your discipline in the field, I’m sure there are a wide variety of topics at the Conference that will enrich your experience in Orlando. Logically organized, the conference schedule allows you to make the most of your time—while you learn from industry experts on a variety of topics. The program will provide all attendees with a unique opportunity to deepen their knowledge in topical technical areas and interact with leaders in their respective disciplines.

As an attendee you are afforded the opportunity to specialize in a certain area or tailor an agenda that addresses your interests. You will have access to the experience and knowledge of energy, utility and manufacturing experts who are shaping the industry’s future.

We’ve created an IEEE Smart Grid Day on Wednesday, May 9 where the industry’s top experts will present the latest developments and activities to attendees who are involved in upgrading and improving the grid system. The Conference also offers three Super Sessions focusing on the Aging Transmission and Distribution Infrastructure (Wednesday, May 9 beginning at 10:00 a.m.), the Integration of Renewables (Wednesday, May 9, beginning at 1:00 p.m.), and Microgrids, Islanding and Distribution Generation (Wednesday, May 10, beginning at 10:00 a.m.).

Three Special Sessions all occur on Tuesday, May 8 and examine Ethics/Florida Laws & Rules for Professional Engineers and two individual and separate Panel Sessions focusing on Minorities in Power and Women in Engineering. Following the Minorities in Power and Women in Engineering Panels attendees are invited to a special reception where Keynote Speaker, Sarah Rogers, retired President and CEO of the Florida Reliability Coordinating Council will discuss opportunities in the power and energy field.

For attendees who are new to the field or for engineers in other fields who are transitioning to the electric...
power industry we’re again pleased to offer the IEEE PES Plain Talk courses for the professional who would like to gain insights into the concerns of engineers, the demands of regulators and consumer groups and the factors and trends that impact the operation of today’s electric power systems. The courses are scheduled for Monday, Tuesday and Wednesday, May 7-9 beginning each day at 7:30 a.m. with a continental breakfast.

The Exposition
We continue to see the Conference and Exposition grow and expand. We have set a participating exhibitor and booth record in 2012. It is through the support of manufacturers from around the world that events like the 2012 Transmission and Distribution Conference and Exposition can occur. It is clear evidence that the exhibiting companies recognize the value of the exposition and the importance of its attendee base to their business.

In a rapidly changing working environment, it is imperative that suppliers understand and adapt to the future needs of their customers. I guarantee you that our exhibitors are aware of these changes and through their commitment to serving the industry, will be displaying products and services that have been developed to cope with and satisfy the changing demands made upon them.

The following pages of this special magazine offer you a glimpse of what is in store for you at this T and D event. Visit the exposition halls often, attend as many technical sessions as you can squeeze into your day and network with your peers and colleagues at many social events planned throughout the conference.

The perfect way to kick off your week is Monday evening, May 7 at 6:30 p.m. at our conference celebration at the Rosen Shingle Creek Resort. Our opening night combines the sights and sounds of the Fabulous Fifties into one terrific festive event. It is an evening that promises to be one that will engulf you with the excitement and camaraderie that we believe you will realize and enjoy continuously during your visit.

We are pleased that you are here. It is our hope that you will experience an enjoyable stay in Orlando. The sharing of knowledge and technology innovation between transmission and distribution professionals at this year’s event will undoubtedly have an impact on the enhancement of our industry.

Welcome & Greetings,

Noel Schulz
President, IEEE Power & Energy Society

Visit us at IEEE PES T&D Orlando Booth # 892

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Lindsey TLM with LIDAR Conductor Height Measurement

Model line load history, weather, and conductor height for day ahead forecast

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- Conductor Height
- Ambient Temperature
- Conductor Temperature
- Vibration
- Tilt and Roll
- Corona Free @ 500 kV
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