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To: [SMARTGRIDWG](#)
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NIST Smart Grid and Cyber-Physical Systems Newsletter

February 2015

You are invited to join us at the National Institute of Standards and Technology (NIST) facility in Gaithersburg, Maryland for two important workshops, the March 24-25, 2015 Transactive Energy Challenge Preparatory Workshop and the March 26-27, 2015 Grid 3.0 Workshop. These two workshops, which are both free and open to all interested attendees, will be of special interest to stakeholders involved in shaping the future of the energy sector and the electric grid over the next several decades. As you'll see in the descriptions below, a number of leading organizations in the electricity sector have been involved in planning and sponsoring these workshops.

We've scheduled these two workshops right after each other during the same week in late March for the convenience of those who would like to attend both. They are, however, stand-alone workshops, and you are welcome to attend just one if that best fits your interests and schedule.

Although it's too early to predict that Washington's cherry blossoms will be at peak bloom (see the historical record at <http://www.nationalcherryblossomfestival.org/about/bloom-watch/>), we can promise that the National Cherry Blossom Festival will be in full swing (<http://www.nationalcherryblossomfestival.org/about/>). Visitor information for the NIST campus, including transportation options from local airports and lists of local hotels and restaurants, can be found at this website: http://www.nist.gov/public_affairs/visitor/

It's an exciting time to be involved in the energy and electricity sector, and we hope to see many of you as we tackle the challenges and opportunities facing us now and in the near future.

Here are some more details:

March 24-25, Transactive Energy Challenge Preparatory Workshop, at NIST-Gaithersburg

Transactive Energy (TE) is a subject of great current interest in the energy sector. It refers to techniques for managing the generation, consumption, or flow of electric power within an electric power system through the use of economic or market-based constructs while considering grid reliability constraints. To understand TE's potential and to support technology developers and policy makers, the smart grid community will require simulation tools and platforms that can be used to explore the impact of alternative ways to create and operate TE systems.

The purpose of this workshop is to design a future Transactive Energy Challenge that will bring together stakeholders, tools, and technologies to create and demonstrate the viability of TE simulation platforms and problem solutions. Attendees will include leaders and experts from academia, utilities, ISOs / RTOs, companies, and government.

The workshop will be held on March 24 and 25, 2015, at the NIST campus in Gaithersburg, Maryland.

Organized in collaboration with the Department of Energy (DOE) and the GridWise Architectural

Council (GWAC), the event will be free and open to the public for in-person attendance.

Registration and agenda information is available online at:

http://nist.gov/el/building_environment/mechsys/te-challenge-preparatory-workshop.cfm

March 26-27, Grid 3.0 Workshop, at NIST-Gaithersburg

Building on the success of the [Electricity Sector Issues Roundtable: Grid 3.0 and Beyond](#) (November 13, 2014), NIST and its partner organizations—the Department of Energy (DOE), Smart Grid Interoperability Panel (SGIP), Electric Power Research Institute (EPRI), GridWise Architectural Council (GWAC), and National Electrical Manufacturers Association (NEMA)—are organizing a follow-on Grid 3.0 Workshop. We're bringing together subject matter experts to develop action plans for the interoperability issues identified at the Roundtable. The Grid 3.0 Workshop will be held on March 26 and 27, 2015, at the NIST campus in Gaithersburg, Maryland; the event is free and open to the public for in-person attendance.

The objective of this workshop is to collaboratively develop action plans to address the critical interoperability issues facing the electricity sector, such as:

- Enabling New Entrants and Innovation
- Impact of Technology and Flexible Resources
- Enhancing Reliability and Resiliency
- Enabling New and Evolving Markets
- Architecting the Change
- Evolving Industry Structure

For more information about the Grid 3.0 Workshop, including the agenda and descriptions of each session, please visit the Grid 3.0 website at: <https://www.pointview.com/e/983>

You can register for the workshop at:

<http://www.nist.gov/cps/grid-3-workshop.cfm>

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