

INFORMATION, COMMUNICATION & CYBER SECURITY NEWSLETTER

Dear ICCS Advisors and Stakeholders,

It was great seeing those of you that were able to make the EPRI advisory and sector council meetings in Phoenix. We had our highest attendance ever! The group shared a lot of great information and determined several action items, including:

1. Continue progress in the Integrated Threat Analysis Framework – and build the member collaboration in this new project. For more information, [click here for an overview](#), or contact Scott Sternfeld (ssternfeld@epri.com) or Ralph King (reking@epri.com).
2. Complete the Information, Communication and Cyber Security Roadmap Process by the next Sector Council meeting in Baltimore the week of October 5th. We will tentatively have a webcast with an update at the end of April or early May.
3. A general commitment by the ICT Committee members to have their staff more engaged in EPRI programs to get more value – treat EPRI staff as an extension of your team.

[Congratulations to our Technology Transfer Award Winners!](#)

I also want to take a moment to celebrate some successes. EPRI's annual Technology Transfer Awards recognize utilities that have successfully championed and applied EPRI research at their utilities. There were a number of fantastic awards – see the "In the News" section below for details, but I do want to highlight several awards to members of the ICT and Cyber Security Programs:

- **Electricite de France (EDF) and Tokyo Electric Power Company (TEPCO)** were awarded for using and advancing the OpenADR open-source grid communication platform to improve their universal applicability for demand response applications.
- **Ameren, Duke Energy, Ergon Energy, Hawaiian Electric Company, Hydro-Québec, Salt River Project, PECO, and SCE** received honors for their exceptional efforts to document research case studies in conjunction with the EPRI Smart Grid Demonstration Projects.
- **Southern Company** was recognized for enhancing EPRI's Cyber Security Risk Assessment Methodology while **Baltimore Gas and Electric** received recognition for utilizing EPRI reports on utility reliability practices to educate a group of young engineers.

Mark McGranaghan recognized **American Electric Power (AEP)** and **FirstEnergy** for their commitment to enabling an integrated electric grid with the first-ever [EPRI Interoperability Leadership Award](#). [Read Full Article](#). We will be making this an annual award due to the importance of interoperability and we are working on developing formal criteria for this award to recognize

March 2015

In this Newsletter

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leadership through collaboration with EPRI and application of standards and interoperability within utilities. Stay tuned for more on that.

On a final congratulatory note, this year we are very proud to announce that several members of your dedicated EPRI team were recognized for their exceptional efforts and received Chauncey Awards. This award, named after the founder of EPRI, Chauncey Star, is presented annually to EPRI employees who have made outstanding achievements in Science and Technology, Business and Process.

Congratulations to Chauncey Award Winners!

- ★ Annabelle Lee, Galen Rasche & Glen Chason for the NESCOR Project
- ★ Walt Johnson and Chuck Thomas for leadership in advancing OpenADR

Keep reading for additional updates from each of the program areas - news articles, recent deliverables and upcoming events.

I look forward to your continued engagement this year as we strive to achieve EPRI's vision.
"Together.....Shaping the Future of Electricity"

Sincerely,



Matt Wakefield
Director, Information, Communication and Cyber Security Research



DistribuTech 2015 – [An EPRI Brief](#)

DistribuTECH 2015 in San Diego, California exemplified the continuing evolution of the power industry as it creates an integrated grid that incorporates distributed energy resources. Attendance at the event speaks to interest in grid modernization, with more than 11,000 participants in the conference, exhibition, and associated events. [Read Full Article](#)

[Spectrum, Spectrum Everywhere Who Needs It and Why](#) presented by Matt Wakefield at the [2015 NARUC Winter Committee Meeting \(2015\)](#)

Recent ICT / IntelliGrid (161) and Related Demonstration Deliverables

Title	Date
<u>2014 Fourth Quarter CEA-2045 Field Demonstration Project Update</u>	06-Mar-2015
<u>ICT Informational Webcast on Workforce Mobility through Augmented Reality: The Next Level in the Enhanced Worker Information Platform</u>	26-Feb-2015
<u>Information and Communication Technology Program Project Set 161D End of Year Webcast</u>	13-Feb-2015

Upcoming Meetings and Webcasts

(Details are available in the [Member Center](#) under the ICT Cockpits)

Title	Date
<u>EPRI: GIS Interest Group Webcast</u>	27-Mar-2015
<u>ICT Informational Webcast - Automated Transmission Line Impedance Calculation</u>	30-Mar-2015
<u>Data Integration Project Overview (P161B) Webcast</u>	06-Apr-2015
<u>EPRI: Smart Grid Enterprise Architect Interest Group</u>	23-Apr-2015



Recent Articles from EPRI Staff

By: Ralph King

Security operations centers (SOCs) are common in corporate information technology (IT), physical security, and industrial control environments. Many organizations have one or more of these

individual SOCs responsible for defined physical regions or business functions. SOC capabilities range from providing basic environment or equipment status indicators to operating complex information gathering analysis, alerting, and coordinating event responses. [Read Full Article](#)



Recent Cyber Security (183) Program Demonstration Deliverables

Title	Date
<u>New Cyber Security Supplemental Project: Integrated Threat Analysis Center Webcast</u>	26-Feb-2015

Upcoming Meetings and Webcasts

(Details are available in the [Member Center](#) under the ICT Cockpits)

Title	Date
Information, Communication and Cyber Security (ICCS) European Engagement Summit	28-Apr-2015



Upcoming Meetings and Webcasts

(Details are available in the [Member Center](#) under the ICT Cockpits)

Title	Date
EPRI Distribution Modernization (DMD) Advisor/Member Update	09-Apr-2015



Recent Articles from EPRI Staff

[SmartGridNews.com](#)

[The biggest surprise of EPRI's Smart Grid Demonstration Initiative](#)

March 26, 2015

By Jared Green

One of the biggest surprises of EPRI's seven-year Smart Grid Demonstration Initiative was the positive impact volt-var control had on participants' distribution systems -- from integrating renewable energy to impacts on energy and demand, to gains in efficiency and planning. [Read Full Article](#)

Recent Smart Grid Demonstration Initiative Deliverables

Title	Date
<u>Analysis of Sacramento Municipal Utility District Conservation Voltage Reduction (CVR) Tests: June 2013 – June 2014</u>	26-Feb-2015
<u>Analysis of Sacramento Municipal Utility District Conservation Voltage Reduction (CVR) Tests: June 2013 – June 2014</u>	26-Feb-2015

EPRI in the News

On March 17th EPRI President and CEO Mike Howard presented to the US Senate Committee on Energy and Natural Resources at the hearing on [The State of Technological Innovation Related to the Electric Grid](#). At this [link](#) you will find the video of the hearings as well as links to the presentation materials.



[SmartGridNews.com](#)

[List of utility EPRI Technology Transfer Award winners impresses](#)

March 4, 2015 | By [Barbara Vergetis Lundin](#)

The Electric Power Research Institute (EPRI) has announced the winners of its annual Technology Transfer Awards, which are given to the organization's members who have led technology transfer efforts on behalf of their companies and the industry at large, applying EPRI research and development in the areas of power delivery and utilization. [Read Full Article](#)

EPRI Unveils Benefit-Cost Framework for an Integrated Grid

Multiple Pilot Projects Will Assess Application of Framework (Feb. 16, 2015)

The Electric Power Research Institute (EPRI) released a framework that all stakeholders in the electricity sector can use to assess benefits and costs of technologies and systems related to the integration of distributed energy resources (DER), such as solar, wind and micro-grids, into the planning and operations of the electric system. EPRI also identified a series of pilot projects in which the framework can be applied, potentially providing the electricity sector with technical and financial

insights and a roadmap to support the deployment of what EPRI calls "The Integrated Grid," or one that makes best and fullest use of both central and distributed energy resources. [Read Full Article](#)

Upcoming Events	Dates
Open Industry Workshop on End to End Interoperability in San Antonio, TX	01-Apr-2015
Information, Communication and Cyber Security (ICCS) European Engagement Summit in Madrid, Spain	28-Apr-2015
EPRI Smart Distribution and Power Quality 2015 Conference and Exhibition in Columbus, OH, hosted by AEP	22-24-June-2015

Together...Shaping the Future of Electricity

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