

Information, Communication and Cyber Security

Are you ready for some March madness? – as Aristotle said, “No great mind has ever existed without a touch of madness.” So, did CIO’s experience any madness 8-10 years ago? Take a look back at our 2009 report [Advanced Information Technology Requirements for the Electric Power Industry – A CIO’s Perspective](#) that includes CIO’s perspectives on the future.

Last month, the ICCS team held its most-attended advisors meeting complete with great information, presentations, and demos. Program-related materials and presentations are available in the member center – use these links for quick access: [Program Advisory](#) and [Sector Council](#).

THE BIGGEST BUZZ

Blockchain technology generated a lot of BUZZ during the meetings. Dr. Gerald Gray and Annabelle Lee facilitated a session during Sector Council on this topic considering both Transactive Energy and Supply Chain Use cases along with an overview of the technology.

Blockchain is an emerging digital technology which acts as a distributed ledger to record transactions. The technology removes the need for centralized third-party intermediaries and supports cryptocurrencies (cryptocurrencies???) that function similar to cash, which are exchanged immediately with no provision for money being returned. Blockchain may facilitate payments and other information exchanges among an exponentially increasing volume of customers and service providers. Still confused? Read the EPRI White Paper [What is Blockchain and its Associated Capabilities and Applications for Utilities?](#), authored by Gerald Gray. While the technology is in its early stages of development, with only a couple of utility-related proof-of-concept implementations, engagement is starting to increase with companies developing the technology for various use-case.

Information and Communication Technology (ICT) Program (161)

Recent Deliverables

[The Integrated Grid: Annual Report 2016 Initiative Demonstrations](#)

Now Available Online



- The [ICT 2017 Research Portfolio](#) is available in the member center. Or use this [link](#) to access the pdf version.
- The [2016 Annual Review and Looking Ahead to 2017](#) brochures
- The updated [ICCS Roadmap](#) for 2017
- Want to be sure you didn’t miss any deliverables in 2016? Check out the [2016 ICT Deliverables Brochure](#)
- The [Cyber Security Program 2017 Research Portfolio](#) is available in the member center. Or use this [link](#) to access the pdf version.
- The [Cyber Security 2016 Annual Review and Looking Ahead to 2017](#) brochures

New Supplemental Projects



- [Information and Communications Technology and Security Architecture for Distributed Energy Resources Integration](#)
- [Distribution Geographic Information System and Grid Model Data Management](#)

2017 Upcoming Events



April 3 – 5

EPRI Telecommunications Initiative Advisory Meeting, [Information](#) ConEdison, New York, NY

April 4 – 5

2017 Birds of a Feather Workshop for Threat Management, [Information](#), SCANA, Cayce SC

[Preparing Smart Meter and AMI Systems for Solar Integration](#)

[The Value of Direct Access to Connected Devices](#)

[OpenADR 2.0b Open Source Virtual Top Node \(OADR2.0b VTN\) Version 0.9.7.0](#)

[Distribution Geographic Information System and Grid Model Data Management](#)

[Telecom Initiative Newsletter, January 2017](#)

[CTA-2045 Desktop Simulator \(CTA2045Sim\), version 16.12.07](#)

[Common Information Model \(CIM\) Compliance Testing Task Force: December 2016 Report](#)

[Precision Time Technology Overview](#)

[Preparing Smart Meter and AMI Systems for Solar Integration](#)

Transmission Modernization Demonstration

Recent Deliverables

[Case Study on Network Model Management Solution Design](#)

Technology Innovation

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This option can be added to your TIP subscriptions through Member Center by checking a box next to Technology Innovation Product Updates.

Recent Deliverables

[Blockchain: Early Activity for Utilities](#)

[Sustainability Trends in the Electric Power Industry](#)

[The Integrated Energy Network: Connecting Customers to Reliable, Safe, Affordable, and Cleaner Energy](#)

[A Perspective on the Future of Energy: Scenarios, Trends, and Global Points of View](#)

[The Sharing Economy Concept](#)

[Perspectives on Radiofrequency Contact Currents – Setting Limits for Safety](#)

May 17 – 18

EPRI 2017 European Advisory Meeting,
[Information](#)
Amba Hotel Charing Cross, London

June 19 – 22

EPRI Grid analytics and Power Quality 2017
Conference & Exhibition,
[Information/Registration](#)
Sheraton, Sacramento, CA

June 22

DMD Advisors meeting
follows the EPRI Grid Analytics and Power
Quality 2017 Conference & Exhibition
Sheraton, Sacramento, CA

September 11 – 14

2017 Fall PDU Advisory & Sector Council
Meetings
Denver, CO

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Need more help? Check out the ["How to Use EPRI Web"](#) presentation.

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