



November 18, 2016

President's Update



Members,

I was thrilled to see many of you at our annual Grid Modernization Summit last week in Washington, D.C. Over 250 industry leaders, including SGIP members and non-members, convened around this year's theme of "Accelerating Transformation."

The week kicked off with the SGIP Annual Members & Board of Directors meeting on Monday. On Tuesday and Wednesday, many of the foremost thought leaders in our industry, from utilities, vendors, government entities, national labs, and financial organizations, shared their thoughts in the executive forum. Their topics included distributed energy resources, regulatory policy, grid architecture, energy IoT, and more.

Also on Tuesday and Wednesday, the Vendor Expo generated a variety of discussions as people shared new solutions for interoperability. Many of the presenters in the expo worked together for a demonstration of new use cases for OpenFMB, displaying new solutions for interoperability. On Wednesday and Thursday, SGIP Technical Working Groups and Committees held their face-to-face meetings, all open to the public.

Tuesday night was a special occasion, as members from the SGIP community were recognized for their exceptional work in the industry. The first Member Choice Awards were announced, in which SGIP members voted for each other and notable projects in interoperability. Then, I announced Southern California Edison as winners of the President's Award for their leadership and collaboration in our industry.

After a successful summit, I can see just how far we've come together, and just how much work we have ahead. It was a pleasure to meet many of you, and I know we can continue to shape the future of the grid through collaboration.

Thank you to all who attended and helped accelerate transformation. For the executive speakers, Vendor Expo participants, and committee meetings participants, your contributions made the summit a stand out. And thank you to all the SGIP staff, members and partners who helped organize the memorable week.

I'd also like to recognize new members to the SGIP community. Join me in welcoming Spirae, based in Fort Collins, Colorado, specializing in the integration of large-scale renewable and distributed energy sources. They recently received [recognition for participating in a microgrid demonstration that used only renewable power](#). [Twin Oaks Computing](#), headquartered in Castle Rock, CO, delivers the smallest footprint implementation of the Object Management Group (OMG)'s Data Distribution Services (DDS) standard. Both organizations participated in our OpenFMB demo at the summit.



Sharon Allan
President and CEO

Announcements

SGIP Gives Access to the OpenFMB Framework for Distributed Intelligence in the Grid

This month, [SGIP](#) announced the launch of the [OpenFMB](#) (Open Field Message Bus) [Collaboration Site](#), which will provide public access to code and informational resources to help enhance grid integration. The launch took place at the [SGIP 2016 Grid Modernization Summit](#) in Washington, D.C.

The collaboration site will provide, for the first time, public access to OpenFMB example code for use in research and development. In addition to the code, the collaboration site will offer use cases, wikis, a blog, useful links, and a community of thought leaders.

>> [Read about the OpenFMB Collaboration Site](#)

2016 Member Choice Awards

SGIP typically publishes Member Spotlights for individual organizations, but on the heels of the consortium's 2016 Grid Modernization Summit last week, SGIP would like to recognize the people and member organizations that were recognized at the summit's Award Dinner Tuesday night, November 8.

SGIP Announces Recipients of 2016 Member Choice Awards

Leaders from the electric grid industry received awards from their peers on November 8, 2016 during the first SGIP 2016 Member Choice Awards at the [2016 Grid Modernization Summit](#).

"The only way the electric grid will advance is through the collaboration of innovative leaders," said Sharon Allan, President and CEO of SGIP. "The Members Choice Awards gave many of those very leaders the opportunity to recognize individuals and projects that are leading grid modernization."

The awards and their winners are listed below:



The Erich Gunther Most Committed Interoperability Ambassador

Dr. Stuart Laval, Manager of Technology Development, Duke Energy



Most Innovative Solution

ComEd for their Hosting Capacity Analytic Tool

Best Contributor to Collaboration

Ron Cunningham, IT Enterprise Architect, AEP



Best Interoperability Demonstration Project

Duke Energy for their Coalition of the Willing Project

>> [Read more about the Member Choice Awards](#)

SGIP Awards Southern California Edison the 2016 President's Award



At the Grid Modernization Summit earlier this month, the SGIP 2016 President's Award was presented to Southern California Edison (SCE) for their leadership and collaboration in driving requirements to IT/OT systems as a result of high-penetration distributed energy resources (DER).

The [award was presented](#) by David Forfia, SGIP Board Chair, and Sharon Allan, President and CEO, SGIP, at SGIP's [2016 Grid Modernization Summit](#). The SGIP 2016 President's Award for Leadership and Collaboration was accepted by Andy Paylan, Manager, Advanced Technology, Distribution Analytics & Controls, and John Bubb, Principal Manager – Smart Meter Operations, Development & Quality at SCE.

>> [Read about SCE winning the 2016 President's Award](#)

PMO Update

From Aaron Smallwood, SGIP VP Technology

Orange Button Meeting at National Renewable Energy Laboratory

The Area A Requirements Working Group participants met to consolidate market requirements and begin to build the Orange Button Market Requirements Document. Attendees had expertise in deployment, financial, real estate, solar O&M, and grid integration. I'd like to thank NREL for hosting the meeting...

OpenFMB Collaboration Site: Launched

Last week, at the SGIP 2016 Grid Modernization Summit, I saw executive leaders from the electric grid industry come together and share their ideas. I had the pleasure of announcing one such solution—the [OpenFMB \(Open Field Message Bus\) Collaboration Site](#). Please visit the site at www.openfmb.io and let us know what you think!

Get the Scoop on OpenFMB with Webinars

The “SGIP Grid Modernization Summit OpenFMB Demo Preview” webinar in October shared details on the OpenFMB demonstration that SGIP technology partners and I showcased last week at SGIP’s summit. You can watch a free webinar replay [here](#), or download the PPT [here](#).

There will be another webinar on December 8 that talks exclusively about the online resource. Titled “OpenFMB Collaboration Site and Repository Webinar,” the webinar will be held from 1:00 p.m. to 2:00 p.m. EST, and you can register [here](#).

Update on the Catalog of Standards

There are five candidates finishing up reviews for the SGIP Catalog of Standards, and they will go to balloting soon for SGIP member approval. We have five priority action plans that are going through the paperwork to initiate the closing process. Click below to read all about them!

[Click here for the full Update.](#)



LEARN MORE

SGIP News

Orange Button Project Support Sign Our Letter!

The Orange Button project is a two-year program funded by the Department of Energy, with a continuation decision at the completion of the first year of work. As this first anniversary is approaching, the participating organizations are seeking **letters of support for continuation of our work under this award**. We ask that you please complete the form with your name and comments, which may be submitted to the Department of Energy.



Support Orange Button

SGIP 2016 Grid Modernization Summit Recap

GRID MODERNIZATION SUMMIT 2016

"ACCELERATING TRANSFORMATION"

After many months of planning, the SGIP 2016 Grid Modernization Summit took place in Washington, D.C. last week. Like the first iteration of the annual conference in 2015, this year attracted the most knowledgeable and senior-level industry experts to share their ideas and support the conference theme of "Accelerating Transformation."

More than 250 energy attendees converged for three days of thought leader discussions, networking, seminars, working group meetings, and technology exhibits focusing on the critical need for interoperability and sharing knowledge to transform the power grid.



KSGA and SGIP Workshop



Words of Wisdom Panel



Executive Forum



Vendor Expo

Read the full recap for updates on the following topics:

- Korea Smart Grid and SGIP Joint Workshop
- Executive Forum
- Keynote Speakers
- Vendor Expo
- SGIP Technical Program

- OpenFMB on Display

>> [Read the full recap](#)

Contribute to *The Conductor*

SGIP's monthly newsletter isn't just an opportunity for you to hear from other thought leaders - it's also your chance to share your views and accomplishments with the industry and the SGIP community. If you have opinions, initiatives or upcoming events that can help others in grid modernization, they can be published in *The Conductor*.



Your insight and work could be promoted in several ways:

- **Articles**
- **Case Studies and White Papers**
- **Webinars**
- **Conferences**

>> [Click here for more details on how you can contribute](#)

If you would like to contribute to *The Conductor*, contact Gabrielle Puccio, Vice President of Member and Public Affairs, at gpuccio@sgip.org.

SGIP-Hosted Events

Grid Management Working Group Meeting Update

On November 7, the Grid Management Working Group met with various parties from National Labs and DOE in Washington, D.C. at the [2016 Grid Modernization Summit](#).

There were 23 participants for this November meeting with 10 different utilities represented: AEP, ComEd, ORNL, SCE, FPL, PSE&G, Duke Energy, Portland General, PG&E, and Entergy.

The November 7 Grid Management Working Group meeting was focused on understanding what synergies exist with various DOE/National Lab projects. Agenda topics included:

- Finding from SCE RFI/update on Grid Architecture
- Grid Architecture
- Advanced DMS
- Microgrid Control and Testing
- Interoperability
- DOE DSPx Engagement
- Next Steps and Prioritized Actions

Save the Date: Monday, January 30, 2017

The Grid Management Working Group decided that next meeting would continue to be utilities only at DistribuTECH but on Monday, January 30, 2017 in San Diego. This meeting will be focused on going through the RFI/RFP requirements in greater detail, leveraging SCE and others' lessons learned. Meeting location and logistics to follow.

Upcoming Webinars

OpenFMB Collaboration Site and Repository Webinar

Open Field Message Bus (OpenFMB) is SGIP's fast-track, high-energy Priority Action Plan enabling grid edge interoperability and distributed intelligence.

On November 8 at our 2016 Grid Modernization Summit, SGIP launched the OpenFMB Collaboration Site at www.openfmb.io. For those unable to attend the Summit, this webinar will be a walk-through of the site and resources including:

- OpenFMB Code and how to use it
- OpenFMB Use Cases
- Wiki, resources, and useful links

Date: December 8, 2016

Time: 1:00 – 2:00 p.m. EST, approx. 1 hour

Speakers: Dr. Stuart Laval, John Camilleri, Aaron Smallwood

Recent Webinars

In Case you Missed the IEEE 2030.5 Webinar

IEEE 2030.5 (formerly known as the Smart Energy Profile 2.0) is an IoT standard aimed at connecting consumer-owned technology to the smart grid. There has been recent uptake of the standard for communicating between aggregated distributed energy resources (DER) and utilities, particularly in California's recent Rule 21 activities.

This webinar gives an overview of the standard as well as a deeper look at its use in connecting DER.

>> [Click here to watch the replay](#) or [here to download the webinar presentation](#).

Did you miss any other SGIP webinars?

Members have been hard at work presenting on hot topics like new standards, the OpenFMB technical framework for field devices, and the Orange Button Initiative to streamline the exchange of solar data.

If you missed a webinar that interests you, no worries. You can find recorded webinars and a list of upcoming webinars by [clicking here](#).

Industry News and Events

NIST/IEEE Workshop, "Timing Challenges in the Smart Grid," Brought Diverse Stakeholders Together

A lively workshop—held October 26 at NIST in Gaithersburg, Maryland—brought together 80 experts from a wide range of organizations to discuss timing challenges in the smart grid. The workshop provided an opportunity for the diverse stakeholders from utilities, system integrators, national labs, academia, and government to learn about each other's expertise and needs, as well as future plans and priorities.

In addition to those attending the workshop in person, nearly 100 other individuals followed along online on the workshop webcast. The webcast, along with the presentations, is archived on the [workshop webpage](#).

At the workshop, opportunities, concerns, and challenges were addressed in a unique forum composed of power system experts, timing experts, and communications experts.

>> [Read about the outcomes and next steps](#)

Erich Gunther
IEEE Foundation Scholarship

Erich Gunther was a leader in our industry and a champion for smart grid advancement. The IEEE wants to honor his legacy and commitment to continual development of a better tomorrow for our industry and our grid by establishing a scholarship in his name.

Contributions will help inspire future professionals who are pushing the boundaries of current thought to make our industry better. We would like you to consider giving to this fund and help us find and create the next generation of Erich Gunthers who can help us drive our industry forward.

>> [Keep Reading](#)

NIST to Host Workshop on Distributed Energy Resources (DER) and Transactive Energy

December 6, 2016, New York City, NY

NIST's [Transactive Energy Challenge \(TE Challenge\)](#), launched a year ago, is set to begin a new phase (Phase II) that will focus on building modeling capability and tackling the many research questions that must be addressed as transactive energy concepts and use cases are explored and tested. The first of two workshops on "Harnessing the Power of Distributed Energy Resources: Quantifying Transactive Energy and Economics" was held in October in San Jose, CA. The second workshop will be held Tuesday, December 6, 2016 in Manhattan, NY.

>> [Learn More](#)

**Sharon Allan to Speak in the Webinar:
"The Road to Seamless DER Integration
and Stops Along the Way"**

December 6, 2016, 2:00 p.m. EST

Sharon Allan, President and CEO of SGIP, will join other executives to discuss the road to seamless distributed energy resources (DER).

Allan and the other speakers will discuss evolving standards and requirements, including regulatory issues, business changes, and the integration activities underway at investor-owned energy companies in North America.

[Visit our website](#)

Wells Fargo Orange Button Grants

Wells Fargo will fund a project at California State University Chico to build a prototype shareware Salesforce App that can be a catalyst for a multi-industry open standards based Common App to improve access to surety and bank credit, along with Data Analytics App for Solar System Performance Monitoring. [Read more here.](#)



**New White Paper from Enbala: *Value Staking—
The key to monetizing energy storage***

Enbala provides a platform for distributed energy resources (DER) and a balanced, renewable-friendly and fully-optimized grid, and the company recently released a new white paper, *Value Staking*. This resource reviews how one energy company stacked the values of storage plus load to cut its storage system payback in half.

**New White Paper from CMG: *Presidential
Victory Must Deliver Smart Grid and New
Power Utility Business Models***

In this paper, we examine the platforms of the presidential candidates, searching for common themes and common proposed initiatives on Power Utility issues and the Smart Grid. Regardless of the outcome in the presidential election, there are some aspects of Smart Grid in

[Read Enbala White Paper](#)

which there might exist some level of agreement and a reasonable prospect of legislative or regulatory adoption.

[Read more about these two new whitepapers.](#)

GE Global Research Partners with Enbala Power Networks for ARPA-E NODES Project

Enbala Power Networks has been selected by General Electric Global Research as a key partner in its DOE-funded ARPA-E Network Optimized Distributed Energy Systems (NODES) project. The \$3.9 million project's objective is to create transformational distributed flexibility resource (DFR) technology that aggregates responsive flexible loads and distributed energy resources (DERs) to provide synthetic reserve services to the grid while maintaining high customer quality-of-service. Specifically, a fast reserve similar to a regulating/spinning reserve and a multi-hour, ramping reserve will be developed to provide the same kind of grid balancing flexibility now provided by power plants and large-scale demand response.

>> [Keep reading](#)

Welcoming New SGIP Community Members

SGIP welcomes our new members!

[Spirae](#), based in Fort Collins, Colorado specializing in the integration of large-scale renewable and distributed energy sources.

[Twin Oaks Computing](#) headquartered in Castle Rock, CO, delivers the smallest footprint implementation of the Object Management Group (OMG)'s Data Distribution Services (DDS) standard.

Connect with SGIP



LinkedIn Update

We encourage our group members to follow our SGIP Company Page to stay up-to-date on the latest SGIP and industry news. If you don't already, [Follow Us](#) today.

[Visit Our Website](#)

Smart Grid Interoperability Panel | 401 Edgewater Place, Suite 600 | Wakefield, MA 01880

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