Connectivity Week®

Applying Energy 2.0

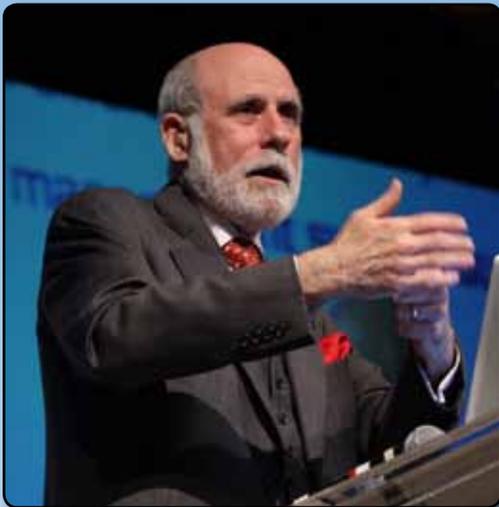**BuilConn**®   **HomeConn**™   **InfraConn**™

DR-Expo™   **GRIDWISE**™ **EXPO**

Santa Clara Convention Center
May 22-24, 2012
Santa Clara, CA

CLASMA®
Events worth attending™

BuilConn®

May 22-24, 2012
Santa Clara, CA

Applying Energy 2.0 to Buildings

As one of the core themes within ConnectivityWeek, BuilConn explores the role of information and communication technology (ICT) -- or Energy 2.0 -- in building automation and energy management systems. When it comes to evolving open systems and the broad use of IP in controls, industry leaders rely on BuilConn as a critical venue to discuss and explore new trends and opportunities in building systems. The latest trend of importance: connecting buildings to the smart grid (B2G) via critical enablers like Demand Response (also see DR-Expo).

BuilConn is focused on how connectivity both within buildings and also between buildings and the grid will improve energy efficiency and mitigate demand charges, while ensuring occupant safety, comfort and overall well-being.

BuilConn topics will include:

- Demand response
- Connecting to the cloud
- Cyber and physical security
- Building automation and controls

HomeConn™

May 22-24, 2012
Santa Clara, CA

Applying Energy 2.0 to Homes

Homes are at the forefront of the growing digital world, especially when it comes to energy management and sustainable green energy. Whether it's the installation of smart meters, or the integration of smart, energy-efficient appliances and entertainment devices, the household is at the crossroads of many emerging technologies -- and they're all connecting.

HomeConn will explore the application and deployment of automation, energy management, and demand response (DR) technologies in the home.

A look at Green Button: With energy use information becoming more prevalent from utility smart meters, ConnectivityWeek will explore innovative Green Button applications being created by application developers who are looking to put Energy 2.0 in the hands of consumers.

InfraConn™

Applying Energy 2.0 to Critical Infrastructure

InfraConn at ConnectivityWeek will explore how connectivity of our basic infrastructure can yield new efficiencies, savings, and value. Whether it's transportation, urban development, water supply, emergency management, or communications, we rely on infrastructure to enable commerce and life to exist. Without an integrated array of infrastructure provided by various levels of government, it would be difficult to think of life as we know it.

As we look to maximize the efficiency of our cities, utilities, and transportation and communication systems, information and communications technology (ICT) will play a critical role. And as Smart Grids emerge worldwide, the development of "smart cities" will be a direct result of connecting government-owned infrastructure to the grid.

InfraConn topics will include:

- Transportation systems
- Electric Vehicles
- Gas, water & waste
- Connectivity infrastructure (wired & wireless)
- Data centers
- Security

For mor information on the InfraConn and ConnectivityWeek visit:

www.InfraConn.com

DR-Expo™

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Demand Response: A critical enabler of Energy 2.0

The DR-Expo at ConnectivityWeek will explore real-world applications, business models and and technologies enabling demand response (DR) across an array of consumer end-use segments, including residences, commercial buildings, and critical infrastructure.

Managing peak demand and unexpected power system failures remains a critical function of utility DR. On the consumer side, DR (especially OpenADR 2.0) can help end users manage energy use and costs by connecting energy supply systems -- via automation, communications and controls -- to the energy demand side.

DR-Expo tracks in 2012 will include:

- DR Made Easy -- lessons from the real-world
- The Business of DR
- DR in Buildings

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Applying Energy 2.0 to the Grid

Smart Grid is inherently the application of Energy 2.0 -- or information and communications technology (ICT) -- to the grid to enable key benefits, including improved electric reliability, increased efficiency, renewable and electric vehicle integration, and consumer empowerment.

Focused on the Smart Grid, the GridWise Expo at ConnectivityWeek is organized in partnership with the GridWise Architecture Council, to explore the technologies, standards, and policy/regulatory issues and opportunities for realizing the benefits of Energy 2.0 for utility customers (aka energy consumers).

The GridWise Expo will cover topics including, but not limited to:

- Interoperability with an extension of the Grid-Interop Plug-In -- a real-world show-and-tell of interoperability in action
- Cyber security: how utilities are applying measure to secure the grid today
- Policy & regulation

For mor information on the GridWise Expo and ConnectivityWeek visit:

www.GridWiseExpo.com

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Applying Energy 2.0

If you think Energy 2.0 is the future, you're wrong. It's happening today.

ConnectivityWeek 2012 is exploring ways to apply Energy 2.0 -- via the connectivity of smart sensors, devices and systems -- to manage energy consumption in commercial buildings, homes and critical infrastructure.

What's the desired result of Energy 2.0? Efficiency, actionable information through analytics, timely information to empower people, optimized use of distributed generation, peak-demand shaving, electric vehicle integration, and more.

ConnectivityWeek is a uniquely inclusive forum and the only event that gathers energy-focused stakeholders from each consumption vertical to explore the application of Energy 2.0 across:

- commercial buildings
- homes and residences
- critical Infrastructure and cities

ConnectivityWeek will also address the critical enablers of Energy 2.0:

- demand response
- utilities and energy suppliers as providers of key information

For mor information on ConnectivityWeek visit:

www.ConnectivityWeek.com

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