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Darnell Group

NEWS

2010 Green Building Power Forum Call for Papers Issued

Corona, California, July 28, 2009 – An Announcement and Call for Papers has been issued for the Second Annual Green Building Power Forum (GBPF '10) to be held January 25-27 at the Marriott Suites Anaheim, California. The Electric Power Research Institute (EPRI) is a Platinum Sponsor and the EMerge Alliance is a Supporting Sponsor of GBPF '10. This focused three-day international conference will serve an audience of decision-makers who are interested in learning about and contributing to the latest practical advancements related to the use of dc power distribution in commercial, industrial, government and residential buildings; critical facilities such as data centers; and the creation of a dynamic power infrastructure.

GBPF '10 will encompass high-voltage and low-voltage dc power distribution as well as hybrid ac and dc distribution architectures and dc microgrids. It will be tightly focused on "Identifying Challenges, Progress and Opportunities for the use of DC Power Distribution in Facilities and the Creation of a Flexible and Dynamic Power Infrastructure."

"Building on the success of our first-annual Green Building Power Forum, we will again have an international group of speakers from Europe and Asia as well as the U.S. As occurred as part of the first Green Building Power Forum, the EPRI/LBNL DC Power Partners will again host a post-conference workshop at GBPF '10," stated Jeff Shepard, President of Darnell Group. "The use of dc distribution can complement other trends in building power including the growth of 'green' energy sources, use of wireless building automation systems, demand side management, the implementation of high-efficiency lighting, and more. And it can reduce construction and operating costs, improve flexibility and enhance sustainability," Shepard concluded.

A convergence of technologies is occurring that will change how buildings are powered. These technologies include the continued rapid growth of distributed generation resources (photovoltaic panels, wind turbines, fuel cells, micro turbines, etc.), the emergence of high-efficiency lighting technologies (especially solid-state LED lighting), wireless building automation systems, demand-side management of building energy use by electric utilities, and so on.

Examples of the topics to be addressed at GBPF '10 include: Selection of the optimal dc distribution voltage; Integration of distributed generation resources; DC lighting systems; DC HVAC and other building systems; DC appliances; Building automation and controls; DC microgrids; Combined heat and power; Advanced components and hardware; Safety considerations; Standardization issues; Hybrid ac and dc power distribution architectures; Implementation of demand-side management; Implications for power quality; and more.

Submissions are being sought in three areas: 1) Case Studies/Industry Examples: outstanding examples of recent applications of dc power distribution or hybrid ac and dc power distribution in commercial, industrial, government, and residential buildings, or in critical facilities such as data centers, including field tests as well as full production systems. 2) Implementation and Operational Process: return on investment scenarios and analysis of benefits for implementation of new and improved dc power distribution technologies, with special focus on the role of power electronics and applications systems; directions and developments in utility interface and integration; needed and/or anticipated changes in regulatory environments. 3) Technology Developments: projections and forecasts for changes in core power electronic, distributed generation, and building automation technologies, including new designs/implementations, new applications and new methods for implementing solutions.

Darnell Group is the leading source for worldwide strategic information covering the full spectrum of power electronics, energy storage and generation. The company specializes in the economic/business analysis of emerging power markets and technologies. The GBPF '10 web site is at: <http://GreenBuildingPower.darnell.com>.

