

4th International Conference on  
**Integration of  
 Renewable and Distributed  
 Energy Resources**  
 December 6–10, 2010  
 Albuquerque, NM USA

## Inverter Communications Coordination Workshop

*Date:* Monday, December 6, 2010  
*Time:* 1:00 pm to 5:00 pm  
*Cost:* \$25/person  
*Workshop Registration Limit:* 75 people total

*Description:* This workshop aims to build on research undertaken by a broad industry collaborative—spearheaded by the U.S. DOE, Sandia National Laboratories, the Solar Electric Power Association (SEPA), and EPRI—to identify a common means by which smart, communicating inverters may be integrated into utility systems. It will introduce those who are not yet familiar with the activity to the work completed thus far and will seek to further engage inverter providers, PV and storage manufacturers, utilities, and research organizations to study and expand a documented set of potential inverter/charger uses that, if implemented and made available to distribution management systems, would likely enable higher penetration levels and enhance the value of grid-tied PV and storage devices.

During the workshop, utility personnel responsible for utility distribution operations will explain the types of functionality that are needed to make inverters a desirable addition to systems. In addition, existing inverter manufacturers will describe their development efforts and activities to produce inverters that are designed to act as active parts of utility distribution systems — providing a distributed and, in some cases, dispatchable resource.

Overall, this workshop will provide an interactive forum to discuss potential uses for communication-connected PV and storage systems; compliance and interoperability testing activities; and ongoing work regarding the identification, prioritization, and definition of core functional requirements. An emphasis will be placed on engaging international stakeholders to describe relevant research efforts occurring in Europe and Asia.

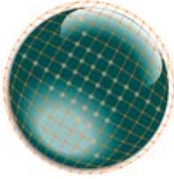
- Agenda on next page -

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*Working agenda:*

<b>Time</b>	<b>Speakers</b>	<b>Topic / Description</b>
1:00 – 1:30 pm	<i>Brian Seal</i> , EPRI	Introduction and review of research completed to date
1:30 – 2:00 pm	<i>John Kueck</i> , Oak Ridge National Laboratories	Phase 2 Project planning
2:00 – 3:00 pm	<ul style="list-style-type: none"> <li>• <i>Russell Neal</i>, Southern California Edison</li> <li>• <i>Gunter Arnold</i>, Fraunhofer IWES</li> <li>• <i>TBD</i></li> </ul>	<u>Utilities Session</u> What types of functionality are needed to make inverters a desirable addition to distribution systems (includes international perspective)?
3:00 – 3:15 pm	Break	
3:15 – 4:15 pm	<ul style="list-style-type: none"> <li>• <i>Lars Johnson</i>, SunPower</li> <li>• <i>Bob Schmitt</i>, SMA</li> <li>• <i>Martin Beran</i>, Fronius</li> <li>• <i>Kathleen O'Brien</i>, GE</li> </ul>	<u>Vendors Session</u> What inverter functionality is being developed and offered commercially (includes international perspective)?
4:15 – 5:00 pm	Group-wide discussion	<u>Interactive session</u> Brainstorm discussion intended to add to the use-case repository <ul style="list-style-type: none"> <li>o Opportunities &amp; Recommendations for Collaboration</li> <li>o Recommendations for Phase 2 Scope Consideration</li> <li>o Additional Industry Needs Related to High Penetration</li> <li>o Contacts / Volunteers for the Technical Focus Work</li> </ul>
5:15 pm	<i>Brian Seal</i> , EPRI	Wrap-up and adjourn

*For more information:* Brian Seal, Senior Project Manager, EPRI, (865) 218-8181, [bseal@epri.com](mailto:bseal@epri.com).

*To register for this event:* <http://4thintegrationconference.com/register.asp>