



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

Workshop: Solar Variability, Resource Prediction & Monitoring

Date: Monday, December 6, 2010

Time: 1:00 pm to 5:15 pm

Cost: \$25/person

Workshop Registration Limit: 50 people total

Description: Solar energy is becoming a more viable source of power generation, and is in high demand in many countries. The variability of solar energy introduces challenges for utilities and raises concerns about high penetrations of solar on the grid. These issues include, but are not limited to, managing system instability, voltage regulation, standards violations, and reserves. In some cases, utilities are considering arbitrary limits on penetration to cope. This workshop will cover the latest in R&D to manage variable solar generation.

Agenda:

	Topic	Presenters	Session Description
1:00 – 2:00 pm	High Penetration of Solar Energy	<i>Daniel Brooks</i> , EPRI (USA) <i>Elke Lorenz</i> , University of Oldenberg (Germany)	A summary of estimated and observed impacts of high penetrations of solar resources.
2:00 – 3:00 pm	Impacts of Solar Variability from Utility Perspective	<i>Miguel de la Torre Rodriguez</i> , CECRE (Spain) <i>James Blatchford</i> , CAISO (USA)	The expectations and experiences of utilities in addressing the variability of solar energy generation.
3:00 – 3:15 pm	Coffee Break		
3:15 – 4:15 pm	Resource and Production Monitoring	<i>Ron Flood</i> , APS (USA) <i>Hiroo Konishi</i> , NTT-Facilities, Inc. (Japan)	Discussion of monitoring systems and technologies and their benefits.
4:15 – 4:45 pm	Modeling and Forecasting	<i>Mark Alstrom</i> , Windlogics (USA)	Overview of current state-of-the-art in resource modeling and forecasting capabilities.
4:45 – 5:15 pm	Discussion		

For more information: Kirsten Orwig, National Renewable Energy Laboratory, Kirsten.orwig@nrel.gov or Charlie Hanley, Sandia National Laboratory, cjhanle@sandia.gov.

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

Host Sponsors



Associate Sponsors

