



## Workshop – Smart Grid Demonstration Project Reviews

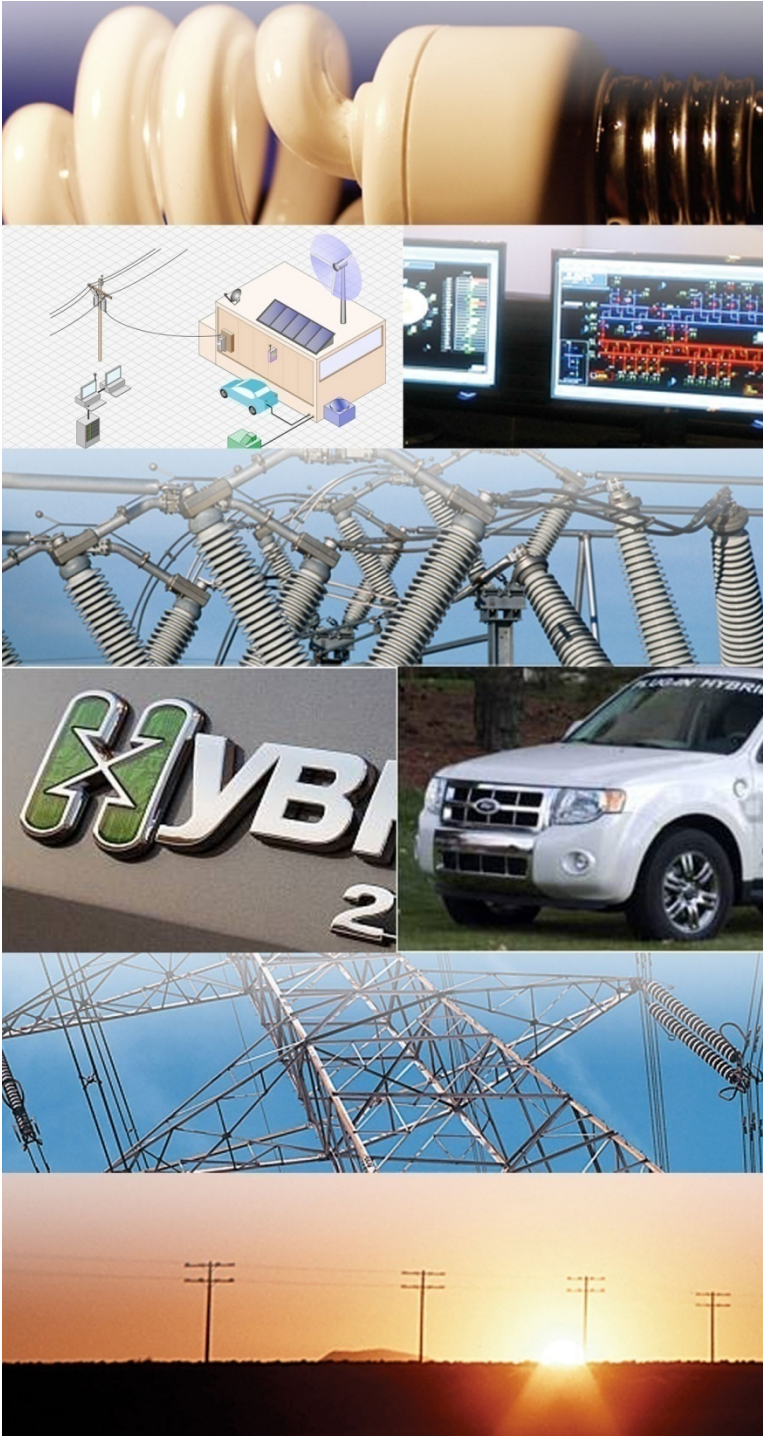
*Fourth International Conference on Integration of  
Renewables and Distributed Energy Resources  
post-Conference Workshop*

*Albuquerque, NM, USA  
December 10, 2010*

Mark McGranaghan  
EPRI

[mmcgranaghan@epri.com](mailto:mmcgranaghan@epri.com)

+1-865-218-8029



# Workshop Objectives – Nice, France

- Example projects and system applications from around the world
- Provide discussion forum for research issues related to active distribution networks and microgrids
- Define goals for addressing challenges in critical areas that can be the basis of an update in two years

# Morning Schedule

| <u>TOPIC</u>   | <u>SPEAKER</u>                                |
|--|---|
| <b>1. Overview of EPRI Smart Grid Demonstration Initiative</b>                 |   |
| 9:00 am - Overview of the EPRI Smart Grids Demonstration Initiative            | Mark McGranaghan                              |
| <b>2. Example Distributed Resource Integration Projects and Demonstrations</b> |   |
| 9:20 am - Con Edison Distributed Generation Integration (DOE)                  | Mark McGranaghan for Frank Doherty            |
| 9:30 am - FirstEnergy Distributed Resource Integration Demonstration Project   | Said Abboudi                                  |
| 9:45 am - Detroit Edison DG Integration and Advanced Modeling with DEW         | Rich Seguin                                   |
| 10:00 am - California DR Integration Projects – San Diego and Marin County     | Frances Cleveland                             |
| 10:20 am - Fort Collins Colorado/DOE Distributed Resource Integration Project  | Sunil Cherian                                 |
| 10:35 am - Denmark Cell Controller Project                                     | Sunil Cherian                                 |
| 10:45 BREAK  |   |
| 11:00 am - Endesa DENISE Project   | Antonio Castellanos De Toro                   |
| 11:15 am - Capenergies PREMIO Project  | Jean-Christophe Delvallet and Regine Belhomme |
| 11:35 am - Model City Mannheim Project   | Dr. Britta Buchholz                           |
| 11:55 am - ADINE Project   | Dr. Sami Repo                                 |

# Afternoon Schedule

| <u>TOPIC</u>   | <u>SPEAKER</u>                 |
|--|--------------------------------|
| <b>3. RESEARCH UPDATES</b>                                       |                                |
| 1:00 pm Integration Research Activities from DMS Group/Telvent   | Elena Boskov                   |
| 1:20 pm Canadian Research  | Abbey                          |
| 1:40 pm Smart Grids Austria                                      | Andreas Lugmaier               |
| 2:00 pm DR Integration Research in Ireland                       | Mark O'Malley                  |
| 2:20 pm DOE Research and Demonstration Initiatives and GridLab-D | Eric Lightner and Robert Pratt |
| 2:45 BREAK   |                                |
| 3:00 pm - European ADDRESS Project                               | Regine Belhomme                |
| 3:20 pm - More Microgrids Demonstrations                         | John Eli Nielsen               |
| 3:40 pm - DR Integration at Ergon Australia                      | Grahame Foulger                |
| 4:00 pm - CRIEPI Research in Japan                               | Yoshizumi Serizawa             |
| 4:20 pm - CIGRE C6.11 Activities – Quick update                  | Chad Abbey                     |
| <b>4:30-5:00 pm Discussion of Research Needs – Group</b>         |                                |

# Accomplishments

- Smart Grid Demonstration Initiative now has 11 host sites and is supporting information sharing from demonstrations around the world
  - [www.smartgrid.epri.com](http://www.smartgrid.epri.com)
- Demonstrations that were under way two years ago are creating valuable results for the industry (DOE awards, EU Framework 6 projects)
- Wide range of new projects are getting under way (Japan, Korea, EU FW7, E-Energy, UK, DOE stimulus grants and demonstrations, etc.)

*The need for coordination is greater than ever*