



Agenda
ORNL
Distributed Energy - Communication and Controls (DECC)
Program Meeting

October 11, 2007

Location: Building 5100, Room 128¹
Attire: Business Casual

8:30 CHECKIN & REGISTRATION

9:30AM SESSION 1: DECC ACTIVITIES AND RESEARCH PLANS

- **Welcome & Introductions**
- **Objectives and Format for Meeting** – John Kueck (ORNL)
- **Improving Grid Reliability through DE Systems** – Tom King (ORNL)
- **Overview of DECC and Research Challenges** – John Kueck (ORNL)
- **DECC Laboratory, Milestones and Roadmap** – Tom Rizy (ORNL)
- **Q&A and Discussion**

10:45AM 10-minute break

10:55AM SESSION 2: FUTURE DE CHALLENGES AND CONTROL (ORNL, UT)

- **Voltage Regulation with Multiple Distribution Energy Systems: Challenges, Solutions & Vision** - Fran Li (UT)
- **Unique Challenges Associated with DE and Possible Solutions** - Engin Ozdemir (ORNL/UT)
- **Systematic Approach of Experimental Analysis Provides a Collaborative Research Environment Pathway** - Randall Wetherington (ORNL)
- **Q&A and Discussion**

12:15PM Working Lunch (Room 125, across the hall)

¹You will be escorted from the ORNL Visitors Center (5100, 214E) in the morning to the meeting location.

1:00PM SESSION 3: ACADEMIC AND INDUSTRY ACTIVITIES

- **Power Electronic Developments for Utility Applications** – Leon Tolbert (ORNL/UT)
- **High Temperature Power Electronics at ORNL** – Madhu Chinthavali (ORNL)
- **Q&A and Discussion**

2:00PM SESSION 4: INDUSTRY CHALLENGES AND PROGRESS

- **SCE Voltage Control Challenges** – Charlie Vartanian (SCE)
- **Study and Design of a Tariff for Dynamic Reactive Power** – Chris Tufon (PG&E)

2:40PM 10 minute break

2:50PM SESSION 4: INDUSTRY CHALLENGES AND PROGRESS (Continuation)

- **Wind Integration** – Presentation by Brendan Kirby (ORNL) and presented by John Kueck
- **Q&A and Discussion**

3:30PM SESSION 5: WRAP UP

- **Distribution Energy Resources Integration - Industry Perspective** – Charlie Vartanian (SCE)
- **General comments from attendees**
- **DE National Research Needs Perspective** Gil Bindewald (DOE)
- **ORNL Research Needs Perspective** – Tom King (ORNL)
- **Closure** – John Kueck (ORNL)

