

MATERIALS INNOVATION FOR NEXT GENERATION T&D GRID COMPONENTS

August 26-27, 2015

Oak Ridge National Laboratory
1 Bethel Valley Road, Oak Ridge, TN 37831

Workshop Agenda

Day 1: Wednesday August 26, 2015

Time	Activity	Location
8:00 am	Registration and Networking , Coffee/Refreshments	Building 4500N
9:30 am	Welcome and Overview of Workshop <ul style="list-style-type: none"> • Kerry Cheung, U.S. Department of Energy (DOE) 	Weinberg Auditorium (room 126), Building 4500N
10:00 am	Plenary Presentations: Grid Applications Overview (15 min + 5 Q&A each) <ul style="list-style-type: none"> • Joe Schatz (Southern Company) • Richard Ord (EPRI) • Alex Huang (NC State FREEDM Systems Center) 	Weinberg Auditorium (room 126), Building 4500N
11:00 am	Break (15 min)	Outside Weinberg Auditorium (room 126), Building 4500N
11:15 am	Plenary Presentations: Materials Development Overview (15 min + 5 Q&A each) <ul style="list-style-type: none"> • Debbie Haught (U.S. DOE) • Paul Ohodnicki (NETL) • Jim Davidson (Vanderbilt University) 	Weinberg Auditorium (room 126), Building 4500N
12:15 pm	Manufacturing Innovations (15 min + 5 Q&A) <ul style="list-style-type: none"> • Mark Johnson (U.S. DOE) 	Weinberg Auditorium (room 126), Building 4500N
12:35 pm	Breakout Session Instructions and Charge to Participants <ul style="list-style-type: none"> • Brian Marchionini, Energetics Incorporated 	Weinberg Auditorium (room 126), Building 4500N
12:40 pm	Working Lunch (in breakout rooms)	Breakout rooms: Building 5700 rooms A104, A106, & L202
1:30 pm	Parallel Breakout Session 1: <i>Key technical challenges limiting grid component performance and capabilities</i>	
3:00 pm	Break	
3:15 pm	Parallel Breakout Session 2: <i>Innovative materials with the greatest potential to overcome technical challenges</i>	
4:45 pm	Break and return to Plenary Room	Weinberg Auditorium (room 126), Building 4500N
5:00 pm	Report Outs (5-10 min debrief from each group, with Q&A)	Weinberg Auditorium (room 126), Building 4500N
5:30 pm	Adjourn and instructions for next day	

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Day 2: Thursday August 27, 2015

Time	Activity	Location
8:00 am	Coffee/Refreshments	Breakout rooms: Building 5700 Rooms A104, A106, & L204
8:30 am	Parallel Breakout Session 3: <i>Developing R&D pathways and milestones</i>	
10:00 am	Break	
10:15 am	Crosscutting Discussion	Wigner Auditorium (room 250), Building 4500N
10:45 am	Next Steps and Adjourn • Kerry Cheung, U.S. DOE	
11:00 am	Lunch in ORNL cafeteria	ORNL cafeteria
12:00 pm	Bus Leaves for Tour of the ORNL Manufacturing Demonstration Facility (MDF) and Power Electronics Laboratory (tours 12:30-1:30)	NTRC
1:30 pm	Bus Returns to ORNL Main Lab, arriving ~2 pm	