ENERGY STORAGE SYSTEMS RESEARCH PROGRAM (ESS)

2009 ESS Program Peer Review

Seattle, Washington USA

Welcoming Remarks	Imre Gyuk	US Department of Energy
DOE / ESS Program Overview	John Boyes	Sandia National Laboratories

PRESENTATIONS

Long Island Bus NaS Battery Energy Storage Project	Steve Eckroad (Electric Power Research Institute)
Development of an Integrated Power Controller Based on HT SOI and SiC	Joseph Henfling (Sandia National Labortatories)
Large Format Carbon Enhanced VRLA Battery Test Results	Tom Hund (Sandia National Labortatories)
Technical Feasibility of Compressed Air Energy Storage in an Aquifer Storage Vessel	Michael King (Hydrodynamics Group)
NYSERDA/DOE Energy Storage Initiative Data Management and Analysis	Bill Moncrief (EnerNex)
Energy Storage Projects in AEP – A Migratory Trend	Ali Nourai (American Electric Power)
Very High Temperature (400+ °C) High-Power Silicon Carbide (SiC) Power Electronics Converter	Marcelo Schupback (Arkansas Power Electronics Int'l)
Power Electronics Reliability Analysis	Mark A. Smith (Sandia National Laboratories)
Design, Fabrication, and Test of a 5 kWh Flywheel Energy Storage System Utilizing a High Temperature Superconducting Magnetic Bearing – Phase III	Mike Strasik (Boeing)
Large Area SiC Gate Turn Off (GTO) Thyristor Development	Sid Sundaresan (GeneSic)
Electroactive Ionic Liquids: *A New Approach to Flow Batteries* and **Gallium Nitride Substrates for Power Electronics:** *Electrochemical Solution Growth*	Karen Waldrip (Sandia National Laboratories)