



San Diego 2009 Symposium on Microgrids
Faculty Club, University of California San Diego
Thursday & Friday, 17 & 18 September, 2009



DAY 1: Morning Sessions

8:00 – 8:30	registration & continental breakfast
8:30 – 8:45	Chris Marnay (Berkeley Lab.) The Microgrid Symposium Tradition ; YouTube Video: Microgrids: Providing Energy Services Locally
8:45 – 9:00	Arthur Ellis, Vice-Chancellor for Research (U.C.S.D.) Welcome to U.C. San Diego

Americas Session – chair: Reza Irvani (U. of Toronto)

09:00 – 09:20	Merrill Smith (U.S. Dept. of Energy) Overview of USDOE R&D Activities on Microgrid Technologies Laurie ten Hope (California Energy Commission) Overview of CEC Microgrid R&D Lisa Dignard-Bailey (Natural Resources Canada) Canada Overview: Microgrid Research and Applications
09:20 – 09:40	Alex Huang (North Carolina State University) The FREEDM Project
09:40 – 10:00	Janos Rajda Microgrid Power Electronics: Power Source and Energy Storage Power Conditioning, Sub-cycle Switching and Grid Gateway
10:00 – 10:20	Sunil Cherian (Spirae) Microgrids within Distribution Networks
10:20 – 10:30	questions

break (in the courtyard)

Japan Session – chair: Ryoichi Hara (Hokkaido U.)

11:00 – 11:20	Akihiko Yokoyama (U. of Tokyo) Overview of Microgrid R&D in Japan
11:20 – 11:40	Yasuhiro Kojima (Mitsubishi Electric) Operational Results of the Hachinohe Microgrid Demonstration Project
11:40 – 12:00	Hiroshi Asano (CRIEPI) Demand Supply Integrated Control of the Next Generation Grid in CRIEPI
12:00 – 12:30	discussion of morning sessions

lunch (in the courtyard)

DAY 1: Afternoon Sessions

**Singapore-Australia-Korea Session –
chair: Hiang Kwee Ho (Experimental Power Grid Centre)**

13:30 – 14:00	Daniel Yap (SINERGY Centre, Singapore) Introduction to EPGC (Experimental Power Grid Centre, previously SINERGY Centre)
14:00 – 14:30	Jaeho Choi (Korea Electrical Industry Tech. Res. Assoc.) Overview of Microgrid Research and Development in Korea Jin-Hong Jeon (KERI, Korea Electrotechnology Research Institute) Test Results of a Pilot Plant for KERI Microgrid
14:30 – 15:00	Glenn Platt (CSIRO ICT Centre, Australia) Minigrids- are we serious?
15:00 – 15:20	discussion

Campus Tour and Solar Turbines Cruise

15:20 – 15:30	Richard Brent (Solar Turbine) John Dilliot (U.C.S.D.) Welcome to the Heat Plant Tour and Cruise & Logistics
15:30 – 15:45	break and head to the CHP plant
15:45 – 16:45	Tour of U.C.S.D. CHP plant and microgrid project
16:45 – 17:15	Bus ride to Solar Turbines boat
17:30 – 19:30	cruise of San Diego Harbor (limited to ~50 passengers)
19:40 – 20:00	Bus ride back to hotel

or reception at
Sheraton Hotel

dinner on your own

End of DAY 1

DAY 2: Morning Sessions

Europe Session – chair: Britta Buchholtz (MVV Energie)

09:00 – 09:20	Johan Driesen (K.U. Leuven) on behalf of John Baker (EA Technology) ENARD:- the IEA Implementing Agreement on Electricity Networks Analysis, Research and Development ; Johan Driesen (K.U. Leuven) Some notes on EU Microgrids-related R&D
09:20 – 09:40	Phil Taylor (Durham University) Transforming Low Voltage Distribution Networks into Small Scale Energy Zones
09:40 – 10:00	Carlos Moreira (INESC) Microgrids and Electric Vehicles
10:00 <96> 10:15	John Eli Nielsen (Technical University Denmark) The Danish Demonstration Site "Bornholm"

break (group photo session & refreshments in the courtyard)

Remote Applications and Emerging Nations – chair: Giri Venkataramanan (U. of Wisconsin, Madison)

11:00 – 11:20	Patricio Mendoza-Araya (University of Chile) The Iniciativa GeVi Project
11:20 – 11:40	Chengshan Wang (U. of Tianjin) Overview of Microgrid R&D in China
11:40 – 12:00	Discussion

lunch (in the courtyard)

DAY 2: U.S.DOE RDSI Program Review

chair : Merrill Smith (U.S. Department of Energy)

13:00 – 13:15	Tom Bialek - SDG&E SDG&E - Beach Cities Microgrid Project
13:15 – 13:30	Roger Weir - ATK Space Systems Integrated, Automated Distributed Generation Technologies
13:30 – 13:45	Yahia Baghzouz – University of Nevada, Las Vegas Decreasing the Peak Electrical Load in a Hot, Arid Climate
13:45 – 14:00	Mohammad Shahidehpour – Illinois Institute of Technology Perfect Power Prototype for Illinois Institute of Technology
14:00 – 14:15	Howard Feibus – (Innoventive Power) Interoperability of Demand Response Resources in NY
14:15 – 14:30	Discussion

break (in the courtyard)

15:00 – 15:15	Hakan Inan – Allegheny Power (SAIC) West Virginia Supercircuit
15:15 – 15:30	Wade Troxell – City of Fort Collins/Spirae Inc. Fort ZED
15:30 – 15:45	Bruce Dickinson - Chevron Energy Solutions CERTS Microgrid Demonstration at the Santa Rita Jail - CANCELED
15:45 – 16:00	Jay Griffin – University of Hawaii Maui Smart Grid Project
16:00 – 16:30	discussion; Special Presentation - A Smart Grid - For Intelligent Energy Use (9 minutes, 1 GB file)

End of Special U.S. Session

Symposium dinner at
 Casa Guadalajara, Bazaar del Mundo, Old Town San Diego

