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# **Keynote Speaker**

#### The Real Reasons We Must Have a Smart Grid for the 21st Century

Merwin Brown (CIEE California Institute for Energy and Environment, USA)

### **Power Electronics**

#### Designing an Autonomous Power System for a Stand-Alone Heliostat

Armin Buchroithner (Graz University of Technology, Austria); Gani Ganapathi (Jet Propulsion Laboratory, USA); Sai Nataraj (California State University, USA); Andrew Kindler (DMF Lighting, USA) pp. 1-6

# Estimating Costs of Heliostat Production at High Volumes Based on a Small-Scale Prototype

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## Automatic Data Exchange for Electromagnetic Simulation

Chaoyang Jing (eMIT, LLC, USA); Chao Hong and Changxiang Wang (CSG, P.R. China); Ligang Zhao (China Southern Power Grid, P.R. China); Tinghui Zhou (China Southern Power Grid EPRI, P.R. China); Liang Tu (CSG, P.R. China); Cheng Yang (China Southern Power Grid EPRI, P.R. China) pp. 15-20

#### Two-area System Analysis & Control

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Brian Jersky (CSU Long Beach, USA)

# Electricity Grid: From Current to Micro to Smart

Mo Jamshidi (The University of Texas, USA)

# **Power Systems & Electronics**

# Modeling and Control of Energy Storage System in a Microgrid

Changxiang Wang (CSG, P.R. China); Ligang Zhao (China Southern Power Grid, P.R. China); Di Shi (eMIT, LLC., USA); Chao Hong and Liang Tu (CSG, P.R. China); Tinghui Zhou (China Southern Power Grid EPRI, P.R. China); Cheng Yang (CSG, P.R. China); Chaoyang Jing (eMIT, LLC, USA) pp. 63-68

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