Smart Grid at Santa Clara University

Katie Wilson and Damian Cieslicki
School of Engineering
Santa Clara University
Sustainability at Santa Clara University

- **Solar Decathlon:** 3rd place winners in 2007 and 2009
- **Santa Clara University Smart Micro-Grid Initiative:**
  - 1 MWatt of power from newly-installed Solar Panels
  - 1.2 MWatt Diesel standby
  - Demand/response control (hardware/software)
  - 20% of daytime demand
- **New Certificate Program in Renewable Energy**
  - Starting Fall 2010
2007 Solar House
2009 Solar House
Smart Grid at Santa Clara
Smart Grid and Santa Clara University

- New Certificate in Renewable Energy
  - Alternative Energy
  - Smart Grid
  - Electric Power Systems
  - Storage Device Systems
  - Solar and Wind
  - Sustainability
Smart Grid Course at Santa Clara

- Winter 2011
- Offered once per week in the evening for working professionals
- Will cover the following main topics:
  - Metering Infrastructure
  - Distribution Operations
  - Transmission Operations
  - IT Infrastructure for Smart Grid
- www.scu.edu/engineering/graduate/renewable/academics.cfm