• **Overview of DOE’s SOFC Technology Development** - Jai-woh Kim, U.S. Department of Energy
  
  - DOE’s Office of Advanced Fossil Technologies and NETL are focusing on the development of advanced technology for low-cost, highly efficient SOFC power systems that are capable of producing electricity from coal and natural gas for distributed generation and central power generation applications.

• **Achievements of NEDO SOFC Durability Projects from 2005** - Harumi Yokokawa, The University of Tokyo
  
  - Efforts of establishing SOFC durability/reliability have been made as collaboration among industrial stack developers, research institutes and university groups organized by NEDO.

• **Enabling Solid Oxide Fuel Cell Technology through Research and Development at NETL** - Gregory Hackett, National Energy Technology Laboratory
  
  - SOFC Research at NETL focuses on enabling the deployment of fuel cell technology by understanding, in detail, how intrinsic and extrinsic degradation modes affect long-term performance.

• **Solid Oxide Fuel Cell Development at Pacific Northwest National Laboratory** - Jeff Stevenson, Pacific Northwest National Laboratory
  
  - Discussion of recent progress in work being performed for the US DOE Office of Fossil Energy’s Solid Oxide Fuel Cell program, including effects of contaminants on electrode performance, improved cell materials, protective interconnect/BOP coatings, and modeling tools to evaluate and optimize stack and system performance.

  
  - A discussion of the significant progress that has been made towards the development of Solid Oxide Fuel Cell (SOFC) at FuelCell Energy.

• **Fuel Cell Technologies for Energy Storage, Chemicals Production and Transportation** - Grigorii Soloveichik, ARPA-E
  
  - Discussion of Advanced Research Projects Agency (ARPA-E) programs, including the Reliable Electricity Based on Electrochemical Systems (REBELS) program and the Renewable Electricity to Fuels through Utilization of Energy-dense Liquids (REFUEL) program. Possible future ARPA-E program targeting liquid fed fuel cells for transportation (hybrids, range extenders, APUs) will be also discussed.