SOFC TECHNOLOGY DEVELOPMENT 2
THURSDAY, NOVEMBER 9 - ROOM 102 A, 1:15 PM - 3:15 PM

- **Pressurized SOFC testing at Washington State University** - Dustin McLarty, Washington State University
  - Effective systems engineering will allow the core SOFC technology to flourish in markets ranging from data centers to aircraft APU's. Pressurization and improved thermal integration unlock new systems development pathways.

- **Development of a Novel Flexible and Cost-Effective Stack Design for Solid Oxide Fuel Cells** – Yoon Ho Lee, University of California, San Diego
  - This paper describes the features of the stack concept and discusses technical progress in the development of the design obtained to date.

- **All-Ceramic SOFC Technology by Saint-Gobain: Architecture and Performance** - Ayhan Sarikaya, Saint-Gobain
  - Updates on Saint-Gobain’s SOFC technology, including the improved performance, stable operation for extended hours and the hot-box development are reported in this paper.

- **Cost Effective Cr Getters for Mitigation of Cathode Poisoning in SOFC Power Systems** - Ashish Aphale, University of Connecticut
  - Innovative approach to mitigate chromium poisoning of cathode is developed by capturing gas phase chromium originating from BOP and IC components. Underlying thermodynamic processes associated with chromium evaporation and subsequent interactions with electrochemically active components will be discussed. Experimental results from getter materials stability, transpiration and symmetric electrochemical test will be presented.