

HYDROGEN PRODUCTION FROM VARIOUS FUELS THURSDAY, NOVEMBER 7 - ROOM 103-C, 4:00 PM - 5:30 PM

- **New Class of Materials for Desulfurization and Purification of Natural Gas, LPG and Biogas Feedstocks** - *Gokhan Alptekin, SulfaTrap, LLC*
 - Recently, SulfaTrap LLC has developed a low-cost, high-capacity expendable sorbent that can remove both the sulfur species to the parts per billion levels. This paper will summarize the material development efforts and highlight customer experience from several field applications.
- **Developing a Hydrogen Infrastructure from Organic Waste** - *PD Madden, Eco Energy International, LLC*
 - Eco Energy International (EEI) has developed a new technology that economically converts any organic material directly into clean hydrogen with a carbonate as a byproduct.
- **Rational Design of Hydrogen Generators for Mobility and Stationary Applications** - *Dave Edlund, Element 1 Corporation*
 - Element 1 Corp. has successfully commercialized (through licensing partnerships) several families of reformer products that deliver high-purity hydrogen for PEMFC applications, including propulsion.
- **Low Temperature Activity, Poison Resistance, and the Thermal Stability of Pyrochlore Catalysts for Fuel Cell Applications** - *Timothy Fogarty, Pyrochem Catalyst Company*
 - Pyrochem Catalyst Company's proprietary Methane PyroPOx™ and Propane PyroPOx™ are designed to favor hydrogen production and inhibit combustion for limiting HC fuel wastage and thus maximizing stack efficiency.