



American Chemical Society Symposium

Polymer Electrolyte Membrane Fuel Cells

August 19th – 23rd, 2007, Boston, MA

234th American Chemical Society (ACS) National Meeting

Sponsored by the ACS Fuel Chemistry Division

*** Preprints due on-line by April 2, 2007***

Call for Papers

This symposium will focus on materials, systems, and durability challenges in polymer electrolyte fuel cell (PEFC) systems. PEFC technology has rapidly advanced in the past few years and is fast approaching the critical milestone of successful commercialization in certain niche sectors. The use of PEFCs in automobiles, distributed stationary power and portable applications in the electronics sector and for military use has been envisioned. However, for most applications, key materials, durability and systems challenges remain. The objective of this symposium is to explore recent advances made in these areas. The organizers invite papers on topics including (but not limited to):

- Novel polymer electrolyte membranes, especially those designed to operate at low relative humidities
- Studies related to membrane durability under constant and cyclic loads
- Novel electrocatalyst materials and electrode structures
- Electrocatalyst deactivation and electrode structure degradation under constant and cyclic loads, and mitigation strategies to alleviate the same
- Novel gas transport media and flow-field design
- Water management in single cells and fuel cell stacks
- Hydrogen generation and storage
- Direct liquid fueled cells (fueled by methanol, formic acid, ethanol etc.)

On-line Submissions:

On-line submission of both an abstract and a preprint are required on-line at the ACS OASYS website: <http://oasys.acs.org/oasys.htm>

Instructions and the preprint template are available at ACS Fuel Chemistry Division website: <http://www.anl.gov/PCS/acsfuel/preprintinfo.html>

In addition, please contact one of the co-chairs for inquiries and submissions:

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