

# DOE FCTO Pre-Solicitation Workshop: R&D Needs and Technical Barriers for PEMFC

Wardman Park Marriott, Washington DC  
Meeting Room Delaware A  
Monday, June 16, 2014, 6:00-8:30 PM

## Objectives

1. Solicit additional feedback from community on RFI questions
2. Prioritize topic areas

## Breakout Questions/Activities

1. R&D Gaps in DOE Portfolio
  - a. Is the list of R&D topics in the RFI complete?
  - b. Are there R&D topics in the RFI that don't need to be addressed by the DOE?
2. Prioritize the subtopic areas

- 6:00 PM**      **Welcome and High Level RFI Summary** (Dimitrios Papageorgopoulos, DOE)
- 6:20 PM**      **Automotive OEM Perspective**  
(U.S. Drive Fuel Cell Tech Team Co-Chair, Shinichi Hirano, Ford Motor Company)
- 6:45 PM**      **Breakout Sessions**
- Breakout 1: Catalysts and supports**  
Moderator: Nancy Garland  
Scribes: Tom Benjamin and Dave Peterson
- Ultralow PGM ORR catalysts
  - Non-PGM catalysts
  - Supports
  - Combinatorial/high-throughput modeling/experimentation
- Breakout 2: Membrane electrode assembly (MEA) component integration**  
Moderator: Jacob Spendelow  
Scribes: Shawna McQueen and Greg Kleen
- PGM and non-PGM catalyst integration
  - PFSA and hydrocarbon membrane integration
  - Transport media integration
  - Combinatorial/high-throughput modeling/experimentation
- Breakout 3: Stack and component operation and performance**  
Moderator: John Kopasz  
Scribes: Donna Ho and Cassidy Houchins
- Durability
  - Transport
- Breakout 4: Automotive balance-of-plant (BOP) component development**  
Moderator: Jason Marcinkoski  
Scribe: Shaun Onorato and Taira Fowler
- Air handling
  - Water management
  - Thermal management
  - Sensors
- 7:45 PM**      **Breakout Session Reports** (moderators)
- 8:30 PM**      **Adjourn**