



**IEA/IPHE Workshop:**  
***Building the Hydrogen Economy:  
Enabling Infrastructure Development***

**April 2-4, 2007**  
**The Westin Southfield Hotel**  
**1500 Town Center**  
**Detroit, Michigan**  
**T: 248-827-4000**

---

**Monday, April 2, 2007**

- 16:00-20:00 **Registration** (*Outside Algonquin Ballroom, 1<sup>st</sup> floor*)
- 16:00- 17:00 **Breakout Group Planning Meeting** (*Board of Regents Room, 2<sup>nd</sup> floor*)  
Breakout Group Discussion Leaders and Rapporteurs only
- 18:00-20:00 **Welcome Reception** (*Location TBD*)

**Tuesday, April 3, 2007**

*Plenary Session in Algonquin Ballroom, 1<sup>st</sup> floor*

- 7:30 **Registration** (*Outside Algonquin Ballroom, 1<sup>st</sup> floor*)
- 8:30 **Welcome**  
**Mr. Graham Campbell**, Vice Chair, IPHE Steering Committee; Office of Energy Research and Development, Natural Resources Canada (invited)
- 8:45 **Keynote Address**  
**The Honorable Robert Walker**, Former Congressman from Pennsylvania; Chairman, Wexler & Walker Public Policy Associates
- 9:15 **Overview of Workshop Goals**  
**Dr. Robert K. Dixon**, Head, Energy Technology Policy Division, International Energy Agency (IEA)
- 9:25 **Building H2 Infrastructure for US Highway System**  
**Dr. Sigmund Gronich**, Hydrogen Team Leader, United States Department of Energy (invited)
- 9:45 **Perspectives on a Hydrogen Economy Infrastructure in Asia**  
**Speaker (TBA)**

- 10:05 **HyWays - the European hydrogen energy roadmap: Current status**  
**Dr. Christoph Stiller**, HyWays; Ludwig-Bölkow-Systemtechnik GmbH , Germany
- 10:25 **Coffee Break**
- 11:00 **Building the Hydrogen Economy in Iceland**  
**Dr. Thorsteinn Sigfusson**, President, Iceland New Energy
- 11:20 **Building the Hydrogen Economy in Israel**  
**Mr. David Haberman**, President, IF, LLC. (invited)
- 11:40 **Building a H2 Economic Infrastructure in California**  
**Dr. Joan Ogden**, Co-director, Hydrogen Pathways Program, Institute of Transportation Studies and Professor, University of California, Davis
- 12:00 **The Hydrogen Economy Infrastructure in Brazil**  
**Ms. Symone Araujo**, Ministry of Mines and Energy, Brazil (invited)
- 12:20 **Perspectives on the Hydrogen Economy**  
**Mr. Tony Early**, CEO, DTE Energy Co., Michigan, USA (invited)
- 12:40 **GM Perspectives on the Hydrogen Economy**  
**Mr. Larry Burns**, Vice President, Research & Development and Planning, General Motors Corporation (invited)
- 13:00 **Lunch** (*Algonquin Ballroom, 1<sup>st</sup> floor*)
- 13:45 **Breakout Group Instructions and Overview of the Facilitation Game Plan**  
**Richard Scheer**, Vice President, Energetics Incorporated
- 14:00 – 17:45 **Facilitated Breakout Sessions Organized by Energetics**  
*All attendees proceed to respective breakout session rooms. Participant assignments to specific breakout sessions will be available at registration, as well as posted by the specific breakout meeting rooms*
- Breakout sessions 1-4 will involve group discussions to consider infrastructure development and transition issues for mobile and stationary hydrogen energy applications. The discussions will identify technical, institutional, financial opportunities and challenges for H2 production facilities, delivery systems, fuel cell systems, and fueling stations; and potential public policy and market strategy opportunities for addressing them.*

**Breakout Session 1: Mobile Applications** (*Charlevoix Ballroom Sec. 1, 1<sup>st</sup> floor*)

**Discussion Leader: Mr. Sergio Garribba**, Former Director, Ministry of Productive Activities, Italy (invited)

**Rapporteur: Mr. Michael Mills**, Energy Efficiency and Renewable Energy Office, U.S. Department of Energy

**Breakout Session 2: Mobile Applications** (*Charlevoix Ballroom Sec. 2, 1<sup>st</sup> floor*)

**Discussion Leader: Mr. Keiichi Yokobori**, President, Asia Pacific Energy Research Centre, Japan (invited)

**Rapporteur: Ms. Emily Glenn**, Energy Technology Policy Division, International Energy Agency (IEA)

**Breakout Session 3: Stationary Applications** (*Montcalm Room, 2<sup>nd</sup> floor*)

**Discussion Leader: Dr. Griffin Thompson**, Asia-Pacific Partnership (APP) Program Manager, U.S. Department of State (invited)

**Rapporteur: Mr. Will Polen**, Program Manager, U.S. Energy Association

**Breakout Session 4: Stationary Applications** (*Nicolet Room, 2<sup>nd</sup> floor*)

**Discussion Leader: Mr. Francisco Barnes de Castro**, Commissioner, Mexican Energy Regulatory Commission (invited)

**Rapporteur: Mr. Albert Doub**, Senior Program Coordinator, U.S. Energy Association

*Breakout session 5 will focus on modeling, analysis, and scenario development issues. The discussion will begin with a series of short presentations to offer various perspectives about modeling hydrogen infrastructure implementation. The following discussion will consider fuel diversity, international cooperation, policy tools, case studies, and industry transitions.*

**Breakout Session 5: Modeling** (*Charlevoix Ballroom Section 3, 1<sup>st</sup> floor*)

**Presentations:**

**Dr. Marianne Mintz**, Argonne National Laboratory

**Dr. Mark Ruth**, National Renewable Energy Laboratory

**Dr. Michael Wang**, Argonne National Laboratory

**Discussion Leader: Dr. Dolf Gielen**, Senior Analyst, Energy Technology Policy Division, International Energy Agency (IEA)

**Rapporteur: Ms. Shawna McQueen**, Energetics Incorporated

15:30-15:45 **Coffee Break** (*Located on 1<sup>st</sup> and 2<sup>nd</sup> floor outside Breakout Rooms*)

18:00 **Reception** (*Location TBD*)

## **Wednesday, April 4, 2007**

8:30 - 10:00     **Breakout Discussions Continued** (*Please refer to Tuesday schedule for Room assignments*)

*The facilitated breakout group discussions will continue until 10:00 to review and finalize the previous day's discussions, and then to prepare an oral report of the key findings and results. The breakout groups will disband and meet together as a large group at 10:45 to present oral reports from each breakout group, and participate in a facilitated discussion of crosscutting themes, gaps, and remaining issues. **Goal:** Summarize Tuesday discussions and identify major themes or other issues for analysis.*

10:00-10:15     **Coffee Break**

10:00- 10:30     **Prepare Oral Reports from Breakout Sessions**

*All participants return to Plenary Session in Algonquin Ballroom, 1<sup>st</sup> floor*

10:30- 12:00     **Plenary Session: Reports from the Breakout Groups and Discussion of Gaps and Cross-Cutting Themes** (*Algonquin Ballroom, 1<sup>st</sup> floor*)

**Chair: Mr. Richard Scheer**, Vice President, Energetics Incorporated

**Panelists:** Breakout Group Discussion Leaders

12:00             **Closing Remarks** (*Algonquin Ballroom, 1<sup>st</sup> floor*)

**Dr. Robert K. Dixon**, Head, Energy Technology Policy Division,  
International Energy Agency (IEA)

12:30             **Adjourn**