



**ARPA-E Electrochemical Approaches to Modular Power Generation Workshop**  
**Crowne Plaza Avenue Hotel, Chicago, IL**  
**13<sup>th</sup> Floor – Madison Avenue Room**

Thursday, June 6, 2013			
11:00 – 12:00 PM	Arrival	Registration, informal discussions	
12:00 – 12:15	Lunch, Introductory Presentations	ARPA-E overview	Eric Rohlfing <i>ARPA-E</i>
12:15 – 1:00		Technology vision, workshop overview	John Lemmon <i>ARPA-E</i>
1:00 – 1:30	Distributed Generation & Vehicles Overviews	Distributed Generation Applications	Rick Fioravanti <i>DNV KEMA</i>
1:30 – 1:45		Modular Power Needs for the Military	MAJ Brandon Newell <i>US Marine Corps</i>
1:45 – 2:00		Fuel Cell Vehicle Overview	Logan Grizzel <i>Toyota</i>
2:00 – 2:10	Prep for Breakout Sessions	Breakout session instructions and guidance	John Lemmon <i>ARPA-E</i>
2:10 – 2:30		Coffee break	
2:30 – 5:00	<b>Parallel Breakout Sessions</b>	<b>Potential Applications for Fuel Cells and Other Electrochemical Devices</b> Sessions will focus on distributed generation (DG), vehicle, and military applications	
6:00 – 7:30	Informal Discussions	Elephant & Castle Pub, ground floor: John Lemmon and ARPA-E staff will be available to discuss ideas with attendees	
7:30 - Onward	Dinner	Several group reservations will be made for nearby restaurants, and signup sheets will be available at registration.	



**ARPA-E Electrochemical Approaches to Modular Power Generation Workshop**  
**Crowne Plaza Avenue Hotel, Chicago, IL**  
**13<sup>th</sup> Floor – Madison Avenue Room**

Friday, June 7, 2013			
7:30 – 8:00 AM	Breakfast, Recap of Day 1	Breakfast	
8:00 – 8:20		Recap of Day 1 and first breakout sessions	John Lemmon <i>ARPA-E</i>
8:20 – 8:30	Novel Technology Ideas	Inorganic Materials for IT Fuel Cells	Eric Wachsman <i>Univ. Maryland</i>
8:30 – 8:40		New Approaches to C/H Bond Activation	Vy Dong <i>UC-Irvine</i>
8:40 – 8:50		IT Catalysts and Solid Acid Electrolytes	Calum Chisolm <i>SAFCeII</i>
8:50 – 9:00		New Fuel Cell Manufacturing Ideas	Hossein Ghezel-Ayagh <i>Fuel Cell Energy</i>
9:00 – 9:10	Prep for Breakout Sessions	Breakout session instructions and guidance	John Lemmon <i>ARPA-E</i>
9:10 – 9:30		Coffee break	
9:30 – 11:30	<b>Parallel Breakout Sessions</b>	<b>Technology-Specific Discussion</b> Sessions will focus on materials, fuel processing, manufacturing, and hybrid electrochemical systems.	
11:30 – 12:00 PM	Readouts	ARPA-E Program Directors give brief recaps of each breakout session	
12:00 – 12:15	Concluding Remarks	Workshop recap and next steps	John Lemmon <i>ARPA-E</i>