



**NSF Center for Fuel Cells
Industrial Advisory Board Meeting
March 16 and 17, 2010
at the
University of South Carolina, Columbia, SC
Agenda (DRAFT-1/19/10)**



Tuesday, March 16, 2010

Swearingen Engineering Center

Extended Learning (1A20) Meeting room; and Faculty Lounge (1A03) Meals and refreshments

8:00 - 8:25 AM	Breakfast	Continental Breakfast – Faculty Lounge
8:25 - 8:30	Presentation	Welcome and Introductions (Dr. John Van Zee)
8:30 - 8:50	Presentation	NSF Comments (Dr. Alex Schwarzkopf and Glenn Larsen)
8:50 - 9:00	Presentation	Center Overview and Status (Dr. John Van Zee)
9:00 - 9:15	Company Overview	Enn Group
9:15 - 9:30	Company Overview	Faraday Technology, Inc.
9:30 - 9:45	Company Overview	FuelCell Energy
9:45 - 10:00	Company Overview	IBM Corporation
10:00 - 10:15	Company Overview	Nissan
10:15 - 10:30	Break	
10:30 - 10:45	Company Overview	Northeast Utilities System
10:45 - 11:00	Company Overview	Savannah River National Laboratory
11:00 - 11:15	Company Overview	Sustainable Innovations, LLC
11:15 - 11:30	Company Overview	The Boeing Company
11:30 - 11:55	Project 19F	<i>Characteristics of Gas Diffusion Layers and their Effect on PEMFC Performance</i> (Dr. Sirivatch Shimpalee-USC)
11:55 - 12:55 PM	Lunch	
12:55 - 1:20	Project 202	<i>Assessment of MCFC component durability</i> (Dr. Prabhakar Singh-UCONN)
1:20 - 1:45	Project 43	<i>Integrating Thermal Management for Fuel Cell and Power Electronic Systems</i> (Dr. Roger Dougal-USC)
1:45 - 2:10	Project 203	<i>Power Conditioning in Sustainable Energy Sources</i> (Dr. Mehdi Anwar)
2:10 - 2:35	Project 44	<i>Physiochemical Properties of Membranes Used as Gaskets in High Pressure-</i> (Dr. John Van Zee-USC)
2:35 - 3:00	Project 204	<i>A Wide Range and Precise Active and Reactive Power Flow Controller for Fuel Cell Power condition Systems</i> (Dr. Sung-Yeul Park-UCONN)
3:00 - 3:15	Break	
3:15 - 3:40	Project 45	<i>Computational Fluid Dynamics Analysis of Electro Etched Stainless Steel Micro-channel of Bipolar Plate</i> (Dr. Sirivatch Shimpalee-USC)
3:40 - 4:05	Project 206	<i>Robotic Conformance Grinding of Turbine Blades</i> (Dr. Kazem Kazerounian-UCONN)
4:05 - 4:30	Project 207	<i>Feasibility Study and Planning for Enabling technologies in Utilizing Green And Renewable Energy</i> (Dr. Kazem Kazerounian-UCONN)
4:30 - 5:00	Wrap-Up	
7:00 - 10:00 PM	Sit-down Buffet Dinner / Project and Graduate Student Poster Presentations – <i>Wilson Room – Courtyard by Marriott Columbia Downtown at USC</i>	

NOTE: Each **Company Overview** is scheduled as follows: Presentation (12 minutes)
Transition (3 minutes)

Each **Project** is scheduled as follows: Technical presentation (15 minutes)
Discussion/questions (5 minutes)
Life forms & transition (5 minutes)

NOTE: All USC projects are numbered 1-99; all University of Connecticut projects are numbered 201-299

NOTE: Please turn over for Wednesday's Agenda

Wednesday, March 17, 2010

Swearingen Engineering Center

Extended Learning (1A20) Meeting room; and Faculty Lounge (1A03) Meals and refreshments

8:00 - 8:30 AM	Breakfast	Continental Breakfast – Faculty Lounge
8:30 - 10:30		Summary of LIFE Forms
10:30 - 10:45	Break	Faculty Lounge
10:45 - 12:00 PM		IAB Business Meeting
12:00 - 12:30		Path Forward / Action and Responsibility
12:30	Luncheon	Adjourn for Luncheon – Faculty Lounge