



Consortium for  
Electrochemical Processes  
and Technology

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## **CEProTECH Industry Advisory Board Agenda Closed Meeting Members and Guests, Attendance by invitation**

### **Tuesday, April 25<sup>th</sup>**

- 11:30 – 12:30 Arrival & Lunch
- 12:30 – 12:35 Introductions
- 12:35 – 1:00 Consortium Update and Format  
*Dr. Gerardine Botte*
- 1:00 – 1:15 Project Evaluation Forms: L.I.F.E. System  
*Dr. Damilola Daramola*
- 1:15 – 2:30 Project updates from prior years  
#1303: Electrochemical Oxidation of Lignin to Value-Added Chemicals  
*Dr. John Staser*  
#1309: Investigation of Electrochemical Electrode Interface with Cavity Ring Down Spectroscopy  
*Drs. Damilola Daramola, Wojciech Jadwisieniczak & Gerardine Botte*  
#1315: Investigation of CO<sub>2</sub> Electro-reduction Mechanism on Copper-based Catalysts  
*Dr. Madhivanan Muthuvel*  
#1502: Flow Pattern Effects on Electrochemical Cell Performance  
*Dr. Dongmyung Suh*  
#1609: Graphene Composite Electrodes for Hydrogen Evolution Reaction  
*Dr. Madhivanan Muthuvel*
- 2:30 – 2:45 BREAK
- 2:45 – 4:50 New and Continuing Project Presentations  
#1607: Innovative approaches for enhancing passive water management of hydrogen pump  
*Dr. Xinyu Huang, University of South Carolina*  
#1608: Advanced Electrolytes for Thermal Batteries  
*Drs. Yuxuan Wang & Gerardine Botte*  
#1701: Hydrogen Production via Lignite/Biomass Electrolysis  
*Drs. Dan Wang & Gerardine Botte*  
#1702: Electrochemical oxidation of alcohols to aldehydes  
*Drs. Madhivanan Muthuvel & Gerardine Botte*  
#1703: Electrochemical Reduction of Carbon dioxide to Higher value Organic Materials  
*Drs. Madhivanan Muthuvel & Gerardine Botte*
- 4:50 – 5:05 BREAK



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5:05 – 6:15 Posters/Lab tours

6:15 Meeting Adjourned

**Wednesday, April 26<sup>th</sup>**

7:30 – 8:00 Breakfast

8:00 – 8:30 LIFE FORM Review and Discussion  
*IAB Members and Investigators*

8:30 – 9:30 IAB Organizational Meeting and Strategic Planning  
Project Voting  
Discussion of Impressions from day 1  
2017 Officer selection  
*IAB Members and Consortium Director*

9:30 – 9:40 BREAK

9:40 – 11:00 Consortium Strategic Planning  
Action Items and Plans for next IAB meeting  
Summary and Closing discussion  
*IAB Members and Consortium Director*

11:00 ADJOURN (Box lunches provided)