



Center for Bioplastics
and Biocomposites

INDUSTRY ADVISORY BOARD MEETING

May 20-21, 2015/Baltimore, Maryland

Wednesday, May 20 – 1:00 PM to 8:00 PM

- 1:00 PM REGISTRATION**
Holiday Inn Baltimore-Inner Harbor
- 2:00 PM WELCOME AND UPDATE ON CENTER ACTIVITIES**
David Grewell, CB² Director, Iowa State University
Michael Kessler, CB² Site Director, Washington State University
- 2:30 PM NATIONAL SCIENCE FOUNDATION I/UCRC PRESENTATION**
TBD, National Science Foundation
Mack Shelly, National Science Foundation Center Evaluator, Iowa State University
- 3:00 PM PROJECT UPDATES**
20 minutes per project: 15 minutes for presentation and 5 minutes for discussion and completion of Level of Interest Feedback Evaluation (L.I.F.E.) form.
- 3:00 PM 5.1 – Interfacial Healing of Biopolymers**
David Grewell, Iowa State University
- 3:20 PM 1.3 – Development of Biorenewable Thermoplastic Elastomers**
Eric W. Cochran and R. Chris Williams, Iowa State University
- 3:40 PM 2.1 – Production of Low-cost Carbon Fiber from Heavy Fraction of Fast Pyrolysis Bio-oil**
Xianglan Bai, Melissa Montalbo-Lombay, Robert Brown, Marjorie Rover, and Patrick Johnston, Iowa State University
- 4:00 PM 4.6 – Development of Biobased VOC-free Powder Coating Resin Systems**
Jinwen Zhang and Shyam Sablani, Washington State University
- 4:20 PM BREAK**
Refreshments will be available.

4:30 PM

PROJECT UPDATES

20 minutes per project: 15 minutes for presentation and 5 minutes for discussion and completion of Level of Interest Feedback Evaluation (L.I.F.E.) form.

4:30 PM

4.7 – Improving Thermoplastic Properties of Starch for Food and Non-food Packaging Applications

Buddhi Lamsal, Yongfeng Ai, and Jay-lin Jane, Iowa State University

4:50 PM

1.2 – Towards Biobased Polyethylene Terephthalate (PET)

Jason Chen, Iowa State University

5:10 PM

4.4 – Development of a Life Cycle Assessment Tool for Screening of Trade-offs Among Processing Costs, Environmental Impacts, and End-of-Life Options

Kurt A. Rosentrater, David Grewell, Darren Jarboe, and James Schrader, Iowa State University

5:30 PM

AD-HOC – Lignin Composites

David Grewell, Iowa State University

5:50 PM

INDUSTRY ADVISORY BOARD ORGANIZATIONAL MEETING AND FORMATIVE DISCUSSION

Discussion of research updates.

Industry Advisory Board members and National Science Foundation only.

6:45 PM

TECHNICAL FORUM, SOCIAL, AND DINNER

Thursday, May 21 – 7:30 AM to 5:00 PM

7:30 AM **CONTINENTAL BREAKFAST**

8:30 AM **MEMBERSHIP UPDATE**

Presentation will include information on status, membership agreement, membership recruitment, and SBIRs.

David Grewell, CB² Director, Iowa State University

9:00 AM **CENTER OPERATING PROCEDURES**

Review of current draft.

Kevin Lewandowski, 3M, CB² Industry Advisory Board Chair

Changes, All

10:00 AM **FUTURE DIRECTIONS**

Discussion will focus on research areas for fall proposals, future growth of the center and call for proposals, and reporting and proposal format.

David Grewell, CB² Director, Iowa State University

10:30 AM **BREAK**

Refreshments will be available.

10:45 AM **FUTURE DIRECTIONS CONTINUED**

11:30 AM **INDUSTRY ADVISORY BOARD REPORT OUT**

Kevin Lewandowski, 3M, CB² Industry Advisory Board Chair

11:45 AM **SUMMARY OF OUTCOMES AND ACTION ITEMS**

David Grewell, CB² Director, Iowa State University

NOON **LUNCH**

Box lunches also will be available.

1:00 PM **ADJOURN**