AGENDA
IAB FALL 2017 MEETING, NOVEMBER 14-15

VENUE LOCATION
WATERFRONT ACTIVITY CENTER (WAC)
UNIVERSITY OF WASHINGTON
3710 MONTLAKE BLVD NE
SEATTLE, WA 98195

RECOMMENDED HOTELS NEARBY
Residence Inn by Marriott Seattle
Silver Cloud Hotel – University District
Hotel Deca
Watertown Hotel – A Staypineapple Hotel
University Inn Seattle – A Staypineapple Hotel

DIRECTIONS: Directions and map available here: http://www.washington.edu/maps/?wac. Light rail and bus are great alternatives to driving. Learn more about the public transit here. If you take the light rail, get down at the last stop (University of Washington) and walk to the Waterfront Activities Center.

PARKING: Metered parking is available in front of the Waterfront Activities Center (WAC) in lot E-19 for $24 for a full day ($3.00 per hour). Cash and credit card pay machine available on-site. The UW E-12 parking lot can be used for overflow parking. View the UW parking page here.

GOOGLE MAP: Click this link to view the locations marked on the Google Map https://goo.gl/fYXgTz
TUESDAY, NOVEMBER 14

07:30-8:00 AM  REGISTRATION / LIGHT BREAKFAST
Waterfront Activity Center

08:00-8:15 AM  INTRODUCTION AND REVIEW OF AGENDA
David Grewell, Director, Iowa State University
Vikram Yadama, Co-Director, Washington State University
New Industry Advisory Board Members Introduction

08:15-8:30 AM  L.I.F.E FORM EVALUATION PROCEDURES
Marc Sokol, Center Evaluator

08:30-10:15 AM  CURRENT PROJECT REQUESTING 2018 FUNDING PRESENTATIONS
(15 MIN EACH*7)
NOTE: Current project not requesting 2018 funding is poster presentation
• 8 minute presentation
• 5 minute Q/A
• 2 minute L.I.F.E. form

08:30-08:45  1 – Acrylated and Methacrylated Thermoplastics Starches based Thin Films
Nacu B Hernandez, Iowa State University

08:45-09:00  2 – Production of Low-Cost Lignin Composite Materials Using Biorefinery Lignin
Birgitte Ahring, Washington State University

09:00-09:15  3 – Increasing Interfacial Bonding in Agave Fiber-Polypropylene Biocomposites for Enhanced Properties
Reza Montazami, Iowa State University

09:15-09:30  4 – Compostable Polysaccharide Polyelectrolyte Complexes via Spray Drying for a Wide Array of Applications
Jinwu Wang, Washington State University

09:30-09:45  5 – Fully Biobased Degradable Plastic with Insecticide Functionality
Chunhui Xiang, Iowa State University
09:45-10:00  6 – Study on the Properties of Polyacrylated Glycerol based Thermoplastic Elastomers as Self-Tackified Biobased Pressure Sensitive Adhesives
Eric Cochran, Iowa State University

10:00-10:15  7 – Develop Renewable Propylene Using Sugar Derived 1,2-Propanediol and Glycerol
Junna Xin, Washington State University

10:15-10:45 AM  BREAK/POSTER SESSION
NOTE: Current project not requesting 2018 funding is poster presentation
Poster: Interfacial Healing of Biopolymers
David Grewell, Iowa State University

10:45 AM-12:00 PM  NEW PROJECT PROPOSAL PRESENTATIONS (15 MIN EACH*5)
• 8 minute presentation
• 5 minute Q/A
• 2 minute L.I.F.E. form

10:45-11:00  8 – Reducing Cost of Renewable Dicarboxylic Acid for High-Performance Biopolymer Production
Shulin Chen, Washington State University

11:00-11:15  9 – Consumer-Safe Bioplastic Blister Packs
David Grewell, Iowa State University

11:15-11:30  10 – Towards Biobased ABS
Nacu Hernandez, Iowa State University

11:30-11:45  11 – Biobased Transparent Waterborne UV Absorbing Coating
Shan Jiang, Iowa State University

11:45-12:00  12 – PEN Polymers -Next Generation Bottles and Packaging Materials
George Kraus, Iowa State University

12:00-01:00 PM  WORKING LUNCH

Guest speaker: Dr. Elaine Faustman, Professor, Env. And Occ. Health Sciences, University of Washington, “Evaluation frameworks for Nanomaterials: Example case studies and considerations for Human Health Risk Assessment.”
01:00-02:00 PM  NEW PROJECT PROPOSAL PRESENTATIONS (15 MIN EACH*4)
  •  8 minute presentation
  •  5 minute Q/A
  •  2 minute L.I.F.E. form

01:00-01:15  13 – Production of Bio-polyamides from Waste Proteins
Hongfei Lin, Washington State University

01:15-01:30  14 – Spent Distiller Grain Biocomposites as Sustainable, Low-Cost, and Light-Weight Alternatives
Reza Montazami, Iowa State University

01:30-01:45  15 – Vitrimerizing Ester Bond-Containing Thermoplastics for Property Improvement
Jinwen Zhang, Washington State University

01:45-02:00  16 – Production of Low-Cost Carbon Fiber with a High Lignin Substitution
Xiao Zhang, Washington State University

02:00-02:15 PM  BREAK/POSTER SESSION

02:15-03:00 PM  MEMBERSHIP UPDATE AND RECRUITMENT ACTIVITIES
  •  Financial statement
  •  Proposed proposal development procedures
  •  University of Georgia – planning meeting to join CB² as 3rd site
  •  North Dakota State University – strengths if joining CB² as 4th site

03:00-06:00 PM  TOUR- BOEING 737 FACTORY TOUR, 8451 757TH AVENUE, RENTON, WA 98057
Shuttle bus arranged for transportation. Upon return, participants can request to be dropped off either at the meeting venue or at the restaurant.

06:30-8:30 PM  TECHNICAL FORUM, SOCIAL AND DINNER AT AGUA VERDE CAFÉ, 1303 NE BOAT STREET, SEATTLE, WA 98105

Guest Speaker: Dr. David Kalman, Professor, Env. And Occ. Health Sciences, University of Washington, “Getting to Green: work in progress.” In this talk, Dr. Kalman will discuss conceptual progress (meaning continued expansion of how we consider sustainability in product development), and implementation progress (meaning what is happening locally, by sector, and nationally to improve practices).
WEDNESDAY, NOVEMBER 15

07:30-08:00 AM BREAKFAST

08:00-08:20 AM NFS I/UCRC PRESENTATION
  • TBD, National Science Foundation
  • NSF Center Evaluator

08:20-09:45 AM L.I.F.E. FORM REVIEW AND DISCUSSION

09:45-11:00 AM IAB MEETING (IAB MEMBERS AND NSF)

11:00-11:15 AM BREAK

11:15-11:45 AM ANNOUNCE PROPOSALS AND ACTION ITEMS AND PLANS FOR NEXT SEMIANNUAL MEETING

11:45-12:00 PM SUMMARY AND CLOSING REMARKS

12:00-01:00 PM BOX LUNCH/ADJOURN

12:00-01:00 PM PI’S TRAINING AND EXPECTATIONS (MANDATORY FOR ALL PI’S)

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