

**Industrial Advisory Board, ACS Division of Polymer Chemistry, Inc.
September 10, 2013, Indianapolis ACS Meeting
Hyatt Regency, Theory A Room, 7:30 AM – 9:30 AM
MINUTES**

In Attendance:

Co-Chair: Travis Baughman, DSM
Co-Chair: Diana Gerbi, 3M
Michael Hunt, PolyMaterials
Lesia Linkous, POLY Business Office
Ashley Ritter, POLY Business Office
Laura Stratton, Polymer Chemistry Innovations
Karl Haider, Bayer
Kate Beers, NIST
Shanti Swarup, PPG
Rolf van Benthem, DSM
Kathleen Havelka, Emergence
John Pochan, Graphene Devises Ltd.
Dana Garcia, Arkema via conference call
Eric Amis, UTC via conference call

***Industrial Advisory Board – Strategic amplification of the ACS Polymer Division’s (POLY’s)
industrial voice in programming, education and award recognition***

Co-Chairs Diana Gerbi and Travis Baughman opened the meeting and offered their brief introductions and description of Agenda.

The minutes from the previous IAB Meeting was reviewed and approved (Motion-Haider, 2nd - Hunt).

MISSION: Review of the IAB Mission Statement and Summary were given by Baughman and hoped that those in attendance will see from the proceeding slides that this Board continues to work diligently to Program, Educate and Award.

IAB BULLETIN: We continue to keep Members informed via the IAB Bulletin which is disseminated approximately four times per year. It is now distributed even more broadly as a networking tool.

Havelka questioned whether a technical summary of ACS Talks could be added and disseminated in “Bulletin” form as a way to assist in reporting back to companies. There are other resources which exist at this time through POLY, for example graphical abstracts, that can serve a similar purpose. IAB Committee has limited resources, including volunteer time and, at this point, may not be able to capture something broad enough to represent all that ACS offers to industry.

Beers invited this committee to add the POLY Programming Committee Meeting to its Bulletin Announcement as input by industry is highly valuable to successful programming.

Review of BUDGET and current MEMBERSHIP:

The current membership was reviewed. As reported by Michael Hunt, new companies have been added 3 years in a row (Gelest and Aldrich in 2012, Polymer Chemistry Innovations in 2013, and Boeing in 2014). Some points of interest include:

- Consider representation across Polymer industry segments
- Commodity, additives, rubber, instrumentation, bio-based, etc.
- Sent invitation emails to POLY members in Midwest region
- It could help with recruiting of small & mid-sized companies if the larger ones from same industry segment are involved.
- Maintain multiple contacts at companies to minimize loss of membership as people change jobs.
- Most companies send scientists based on programming for the most part. Recruiting or networking are added benefits.

As we will see on the proceeding information the goal is to increase interaction of IAB Members:

- Programming at ACS National Meetings
 - Setting direction of POLY scientific topics
 - Set up high-quality symposia
- Plenary lecture and awards symposia.
 - Barry Farmer from government is scheduled to speak at this ACS Meeting Awards Reception. Baughman suggested that IAB help to recommend future presenters to the ACS Program Committee
 - Recognizing excellence – students and faculty
 - Highlighting POLY scientific contributions
 - Networking
- Poster session and student awards
 - Recruiting opportunities
 - Review of current topics in POLY, discussion about Youtube “University” topics and the value of offering topics
 - Pochan asked IAB to consider participating in panel discussions as in previous years, “expectations of transitioning from university to industry for students”. Beers commented on previous events which IAB provided volunteer participation in Undergraduate/Graduate Symposia in a similar panel-fashion. Though many on the IAB do not think the actual organizing of events such as

these should be the main priority, it does consider active participation a value tool in an effort to support. IAB should continue to seek out these types of opportunities for the betterment of the Division and its Members.

Baughman provided a slide of the history and current break-down of the IAB finances. The key take away is that this Board is financially sound and as new members are added, we will continue to grow our membership and initiatives.

Dues Collection:

Funds are collected on a Calendar Year basis and expenses are reported on the same calendar year as a part of the broader ACS Division of Polymer Chemistry budget. Excess Funds do not automatically roll over and must be requested during the Winter Executive Meeting in January. Approval of roll-over is by Executive Committee and the point of contact is the POLY Treasurer.

Future Purpose:

Gerbi lead a discussion on the value of pre-planning in an effort improve the value of the annual IAB initiatives rather than focusing on the value of saving funds to be used for a more costly project in the future. Yes, IAB should be proactive in requesting roll-over, but it should not necessarily consider using the POLY account as a savings account for something better to come which is not identified at this point. Awards and education are supported heavily by this Board and in previous meetings the consensus was and still is to enhance its involvement in programming. In fact, the original idea of the social networking was to get the Programming Committee together with IAB.

With effective budgeting, IAB may be able to help address some of the concerns that industrial Members have in actively participating in events such as the ACS Meeting.

These concerns may include:

- Long lead time within the company
- Long lead time ACS
- Funding Travel i.e. financially supporting those in industry who are actively participating in an event.

Haider questioned whether we need to develop a small sub-committee to focus specifically on Programming/IAB.

In San Francisco (2014 Fall ACS Meeting) there is already a half day symposium for the IPS Award. In addition, DSM will be participating in its annual awards symposium. It is proposed that IAB consider organizing/sponsoring a half-day session to expand on industry. In an effort to enhance the value of participating, IAB would be able to assist with travel support and offer another incentive for participants to attend.

Havelka also felt that the

- Meeting Value

should also be added to the list of concerns over traveling to events like ACS Meetings. Addressing multiple concerns, for example: quality of talks And networking opportunities And financial support, etc. may add value to many for different reasons.

van Benthem recommended that this Board complete a follow-up conversation on programming immediately after this ACS meeting so that ACS programming decisions can be made prior to the deadlines.

IAB SUPPORTED AWARDS/PROGRAMS: Baughman displayed a slide with a list of awards and programs which are supported by this Board to include, Graduate Student Travel Awards, Industrial Polymer Scientist Award, Undergraduate Research Symposium, ACS Meeting Graduate Research Symposium, ACS Meeting POLY Graduate Student Workshop, and Polymer Science of Everyday Things. For this ACS Meeting, points of interest:

- Fall 2013 ACS Meeting the IAB is sponsoring the Student Travel Awards: Abray Sham Joijode, North Carolina State University, Bin Tan, University of Massachusetts at Lowell
 - This award is highly advertised through POLY ACS to include: listserv, e-News, POLY Newsletter, Posters and flyers at each ACS meeting, and IAB Bulletin
 - Alan Hopkins from The Aerospace Corporation helps to manage this award for IAB
 - 4 awards are given annually, 2 in the spring and fall respectively

- IPS Award post nomination follow-up:
 - New nomination deadline was July 31 2013
 - Roll over previous submissions plus new nominations-5 submitted
 - Now being reviewed by POLY Awards Committee
 - Announcement October 1, 2013
 - IPS Award Symposium Fall 2014 in San Francisco, typically a Sunday AM Meeting and then match that with a potential symposium half day focused on industry

IAB SOCIAL NETWORKING: Baughman and Gerbi provided a recap of the IAB Social Networking Reception held at Palomino's Monday evening. This opportunity to network with others outside of the hotel venue seemed highly successful. Key takeaways are that the event was at a good time slot (Monday 5-7PM), off-site (cost savings), and near the Convention Center/POLY Hotel. We will continue to offer it at each ACS Meeting and to involve local sections of ACS/POLY to expand the invitee list to polymer companies in the community. The original purpose of the Networking Reception was to connect the ACS Program Committee to IAB Members. IAB Members have also used this time as a chance to interact on a peer-group-level. Amis strongly encourages participation by industry only, rather than a recruiting mechanism for students as this is already in place at other ACS Events (Recruiter Exhibitions, Poster Sessions, etc.). There is overlap with other social events which are student-focused on Monday night and this was discussed during the POLY Board Meeting on Sunday. IAB is unconcerned with the overlap of these events as the target audience for events are different. To enhance potential participation in IAB by industry, Havelka recommends offering a drawing (Fish bowl item – offer

a giveaway). IAB would benefit from the collection of business cards to enhance the contact list of existing companies and gain contacts for new ones.

ACTION ITEMS

- September 10, 2013, attend Programming Meeting at this ACS Meeting, Regency B
- October 1, 2013, Announcement of IPS Award
- Post Meeting Fall ACS Meeting 2013, start a communication with IAB on future programming at ACS Meetings
- Fall 2014 Proposal (San Francisco Theme-Chemistry in Global Stewardship), One half day industrial programming in addition to one half day Industrial Polymer Scientist Award (IPS) Symposium (request Sunday or Monday). Potential Topics for IAB Sponsored Industrial Symposium:
 - Innovations in Industry
 - Global Stewardship (Third World Solutions, Flocculent, Absorbance, Water Purification)
 - Surface Science/ Easy Cleaning
 - Additive Manufacturing/ New Methods of Manufacturing, 3D printing with polymers
 - Sustainability, be concise, subtopic on ... see next
 - Biobased – chemical success stories (what has worked and what has not)
- Identify a Session Organizer. Pochan expressed the need to identify a Session Organizer as this person will be the driving force in finalizing the session topic.
- Develop a subcommittee on IAB Programming Initiatives: Karl Haider from Bayer is willing to Chair.
- For the 2014 Spring ACS Meeting in Dallas
 - Monday Event, continue Social Networking to focus on Industrial Peer interaction.
 - Tuesday IAB Meeting and Breakfast at the POLY Hotel unless cost becomes an issue
 - Discussion Topics for IAB Meeting in Dallas? *Capital Equipment planning and purchasing; how does a lab stay State of the Art*, 20 or 30 min segment in Dallas during this IAB Meeting
 - Please contribute your ideas and participate

Adjourn: 9:30AM

Respectfully submitted, Lesia Linkous, Travis Baughman and Diana Gerbi