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American Institute of Chemical Engineers

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MINUTES

Separations Division Planning Meeting
American Institute of Chemical Engineers
2010 AIChE Annual Meeting

Sunday, November 7, 2010

Noon-5:00 pm

Room 250 B, Salt Lake City Convention Center

Attendance:

D.B. Bhattacharyya
Neil Yeoman
Ravi Kumar
Scott Husson
Mark M. Davis
Megan Donaldson
Linda Wang
Isaac Gamwo
Kathleen Muhlbachler
Yoram Cohen
Bruce Eldridge

Benny Freeman
Atanas Serbezov
John Pellegrino
Mike Resetarits
Žarko Olujić
Ranil Wickramasinghe
Roger D. Whitley
Alice He
Sharon Robinson
Brian Daly
Marcus Mello

Mark Pilling
Priscilla Hill
Krista Walton
Nicholas Urbanski
Paul Kenis
Tarun Poddar
Seyi Oduyungbo
Giorgio Carta
Andre DaCosta
Neal Chung

Bruce Eldridge and Žarko Olujić have been named Fellows of the Institute. Congratulations!

Board of Directors (BOD) Report (Neil Yeoman)

Financials. The financials of the Institute have improved but it continues to lose money.

Membership. Professional membership dropped another 1 % in 2010. International members are now 10% of all members. The Institute is becoming a global organization.

Safety Education. The Center for Chemical Process Safety (CCPS) has been one of the most successful entities in the Institute. The BOD and the new president (Maria Burka) want to see it expanded.

Web-Based Resources. The use of web-based resources, such as webinars and e-learning content has increased. These resources will continue to be developed and enhanced.

Mentorship Program. Sixteen Fellows of the Institute have started a mentoring program where each one of them is teamed with a young professional. This is a pilot program for future involvement of the Institute Fellows.

Virtual Local Section. A Virtual Local Section project has been started for members who reside in areas with no or inactive local sections.

Government Relations. The Institute is considering a more proactive role in its government relations by providing technical advice in the spirit of community service.

Speakers Quarter. The Institute is compiling a list a potential speakers for local sections meetings.

CTOC Report (Sharon Robinson)

Young Professionals (YP). The relevance of the Institute to young professionals continues to be discussed and emphasized.

Programming. Programming committees are encouraged to program “out-of-the-box” in order to draw attendance from the ranks of other professional societies.

Treasurer Report (Neil Yeoman)

The report is distributed electronically (via e-mail) every month. If anyone wants a copy, he/she can contact Neil. The most recent balance is around \$62,500. The annual budget of the Division is around \$ 20, 000. The financial health of the Division is good.

2010 Programming (D.B. Bhattacharyya)

Division programming continues to be strong. The Division is co-sponsoring a Topical on Separation Needs for Energy Independence and Environmental Sustainability with 10 sessions.

2011 Programming (Benny Freeman)

Spring Meeting (Chicago, March 13-17). The Division will organize a Topical on University Research for Industry with 4 sessions and a Distillation Topical (The Henry Kister Symposium) with 6 sessions. The Division will also co-sponsor a Topical on Gas Separation Technologies and Young Professional Tutorial.

Annual Meeting (Minneapolis, October 16-21). The Division will organize a Topical on Water Technology for Developed and Developing Countries. A number of international contributors are expected for this topical: Singapore, KAUST, Australia. Neal Chung from National University of Singapore is a co-chair for the topical.

Networking Session

The corporate support for the Networking session has been very weak. 82 companies have been contacted, only 12 responded and only 2 agreed to participate. The Networking session for the Annual 2010 meeting has been cancelled. The success of the Networking session depends on the venue and on the scheduling.

Action item: Neil Yeoman will contact the Chicago local section and will ask if they can help with a Networking session in Chicago.

Area Reports

Area 2a - Distillation & Absorption (Mike Resetarits).

Salt Lake City (Fall 2010)

6 total oral sessions, with 2 of those sessions honoring Dr. Michael Schultes. No poster sessions

Chicago (Spring 2011)

6 total oral sessions during Henry Kister Symposium, No poster sessions

Minneapolis (Fall 2011)

6 total oral sessions, with 2 of those sessions honoring Prof. Luyben. No poster sessions.

Houston (Spring 2012)

6 total oral sessions, with 2 of those sessions honoring Dr. Ralph Weiland. No poster sessions.

Pittsburgh (Fall 2012)

6 total oral sessions. No poster sessions

Succession Plan

After the Minneapolis meeting, Nick Urbanski will become Chair of Area 2a and Mike Resetarits will become Vice Chair. Professor Zarko Olujic, University of Delft is the European liaison.

Area 2b – Crystallization & Evaporation (Paul Kenis).

Salt Lake City (Fall 2010)

7 total oral sessions, with 1 of those sessions honoring Dr. Jeff Wei of Eli Lilly. No poster sessions

Chicago (Spring 2011)

Co-sponsor of T6A Gas Separation Technologies, which has 5 sessions

Minneapolis (Fall 2011)

7 total oral sessions. No poster sessions.

Succession Plan

After the Minneapolis meeting, Paul Kenis will become Chair of Area 2b. Industrial and academic chair / vice-chair rotate every two years.

Area 2c – Extraction (Megan Donaldson).

Salt Lake City (Fall 2010)

3 total oral sessions. No poster sessions.

Chicago (Spring 2011)

No programming

Minneapolis (Fall 2011)

It is planned to offer the most of the same sessions offered in 2010.

Succession Plan

After the Minneapolis meeting, Megan Donaldson will become Chair of Area 2c

Area 2d - Membrane-Based Separations (Ranil Wickramasinghe).

Salt Lake City (Fall 2010)

A total of 32 sessions have been organized. Area 2d is the primary sponsor for 18 sessions and is a co-sponsor for 14 sessions. Nine of these co-sponsored sessions were with Topical 1: Separation Needs for Energy Independence and Environmental Sustainability. Area 2d was the primary organizer of Topical 1. Topical 1 consists of 10 sessions, all of which are co-sponsored.

Chicago (Spring 2011)

No programming

Minneapolis (Fall 2012)

It is planned to offer most of the same sessions offered in 2010.

Succession Plan

After the Minneapolis meeting Tarun Poddar will become Chair of Area 2d.

Area 2e - Adsorption & Ion Exchange (Linda Wang).

Salt Lake City (Fall 2010)

15 total oral sessions. One poster session.

Chicago (Spring 2011)

No programming

Minneapolis (Fall 2011)

It is planned to offer most of the same sessions offered in 2010.

Succession Plan

After the Minneapolis meeting, Roger D. Whitley will become Chair of Area 2e.

Area 2f - Fluid-Particle Separations (Seyi Oduyungbo).

Salt Lake City (Fall 2010)

4 total oral sessions.

Chicago (Spring 2011)

2 + Co-sponsor of T6A Gas Separation Technologies

Minneapolis (Fall 2011)

It is planned to offer most of the same sessions offered in 2010.

Succession Plan

After the Minneapolis meeting, Isaac Gamwo will become Chair of Area 2f.

Area 2g – Bioseparations (Giorgio Carta).

Salt Lake City (Fall 2010)

Area 2g sponsored one and co-sponsored five oral sessions (total of 37 oral papers). This is the largest ever for Area 2g.

We are grateful to Area 2D, Area 2E, Area 15, and the Society of Chemical Engineering of Japan for co-sponsoring five sessions with us. We are happy with industrial participation. Seven of the co-chairs are from industry.

Chicago (Spring 2011)

No programming

Minneapolis (Fall 2011)

2 sponsored and 3 co-sponsored oral sessions. Area 2E has already agreed to co-sponsor a session on Adsorption of Biomolecules. We will ask Areas 2D and 15 to co-sponsor again a session on membranes for bioseparations. We would be happy to co-sponsor and provide co-chairs for additional sessions dealing with bioseparations.

Succession Plan

After the Salt Lake City meeting, Kathleen Muhlbachler will become Chair of Area 2h.

Area 2h - General Topics & Other Methods (Alice He).

Salt Lake City (Fall 2010)

3 total oral sessions and one poster session.

Chicago (Spring 2011)

No programming

Minneapolis (Fall 2011)

It is planned to offer most of the same sessions offered in 2010.

Session Attendance

Session attendance numbers for the past two annual meetings have been analyzed by the institute and will be distributed to the Division chairs. There is a concern that the increased number of sessions comes at the expense of session attendance.

Membership (Scott Husson)

PowerPoint slides for meeting session introductions

- A Division advertisement slide is available for session chairs to project prior to the start of each session. Scott sent the slide to all separations session chairs for this meeting and asked them to project it before the meeting and encourage attendees to join SEP DIV.
- Scott printed out a few copies to post on the meeting announcements board.

Become active with annual student meeting

- Scott contacted every undergraduate student who presented a poster on separations research in the student meeting. Scott told them that his purpose was to make sure that they knew AICHE had a SEP DIV, to tell them why they might join, and to tell them how to become a member at no cost. At least one joined.

Engage graduate students in Division activities

- The Confex database can be mined to identify all graduate students presenters by programming area and mailing list will be created and distributed to the area chairs. Area chairs will then invite these students to the programming meetings of their areas.

Action item: DB will work with AICHE to provide the mailing lists to the area chairs for the 2011 Annual meeting.

Member-get-a-member letter

- Scott has drafted a letter and member-get-a-member application form.

Motion: That the letter be mailed to the Division members. The motion was seconded and passed unanimously.

Division Website (Krista Walton)

The Division website has been migrated to <http://aiche-separationsdiv.org>. The content however is outdated. Krista will redesign the website in the next 3-4 months.

Webinars (Ravi Kumar)

Ravi has contacted presenters on Distillation and Extraction topics. Jim Ritter will not be able to do a webinar on Adsorption. Ravi will contact Andrew Zydney for a presentation on Membranes.

Awards (Nick Urbanski)

- **Clarence G. Gerhold** - Neil Yeoman
- **FRI / John G. Kunesh** - Scott Husson and Nicholas Urbanski
- **Division Service Award** - Neil Yeoman
- **Graduate Student Awards**
 - **Xiaoying Bao**
 - Adsorption and Ion Exchange, Professor Randall Q. Snurr, Northwestern University
 - **Christopher J. Morrison**
 - Adsorption and Ion Exchange, Professor Steven M. Cramer, Rensselaer Polytechnic Institute
 - **Ryan J. Hart**
 - Extraction, Professor Charles A. Eckert, Georgia Institute of Technology
 - **Ryan Mourhatch**
 - Membrane-Based Separations, Professor Theodore T. Tsotsis, University of Southern California
 - **Jennifer A. Pascal**
 - Fluid-Particle Separations, Professor Pedro E. Arce, Tennessee Tech University
 - **Vishesh H. Shah**
 - Distillation and Absorption, Professor Rakesh Agrawal, Purdue University

The cost for the graduate student awards is creeping up and not sustainable in the long run.

Action item: Nick Urbanski will develop a financially sound alternative of the current graduate award practice that will be discussed at the planning meeting in Minneapolis.

Leadership Development Conference (Scott Husson and Ranil Wickramasinghe)

The materials from the LDC conference are available for free at ChemE on Demand. There will be no LDC conference in 2011. The next LDC conference is planned for 2012.

Support for the Young Professionals Advisory Board (Brian Daly)

The Young Professionals Advisory Board (YPAB) is organizing a social event for the young professionals at the Spring meeting in Chicago. The projected attendance is between 30 and 50. YPAB is asking for financial support from the Divisions. This will be a good opportunity for the Division to reach to the young professionals.

Motion: That the Division provide \$500 to the YPAB for organizing a social event for the young professionals at the Spring meeting in Chicago. The motion was seconded and passed unanimously.