


Process Development Division

Area 12A – Process Research
and Innovation



Steering Committee Meeting

AIChE Annual Meeting

Salt Lake City, UT

November 5, 2007

Agenda



- Introductions
- Mission Statement
- Area Leadership
- Programming Review
- Future Programming Topics
- New Business

Attendees



Sagar Gadewar (GRT)

Vivek Julka (GRT)

Gavin Towler (UOP)

Lynn Lander (Lander & Asso.)

Mike Doll (Shell Global)

Cheryl Teich (Rohm & Haas)

Andreas Matzakos (Shell)

Lionel O'Young (CWB Tech.)

Annette Johnston (Abott)

Jean Tom (BMS)

Chris Wibowo (CWB Tech.)

Michael Hill (M Hill Associates)

Qiang Xu (Lamar Univ.)

Levente Simon (ETH-Zurich)

Mohammad Shafiei (Sabic)

John Corn (Ohio State)

Joseph Schroer (CWB Tech.)

John Peragine (BMS)

Kamlesh Bhatia (Dupont)

Mission Statement

Foster process innovation by applying Chemical Engineering principles to the synthesis of novel operations for new product manufacture and step changes in existing technology. The PR&I area will be a meeting ground for diverse academic and industrial practitioners of Process Innovation. Its programming and activities will explore the components of successful process innovation, and distribute this shared knowledge to the Institute membership.

Current Area 12A Leadership

- Outgoing Chair: Karl Krause, DuPont
- New Chair: Sagar Gadewar, GRT Inc.
- New Chair-Elect: Joseph Schroer, CWB Tech.
- Activities Chair: TBD

Chair-Elect 2008 Election

- Term starts immediately
- Succeeds Chair after the 2008 Annual Meeting
- Candidates:

Joseph Schroer, CWB Technology

Joseph was nominated, seconded and selected as Chair-Elect by a voice vote

Activities Chair



- 2-year term starts immediately
- Serve as an ambassador for the area and division
- Helps the Chair and Chair-elect in area programming
- A suitable candidate will be identified (nominations are welcome)

Programming – Fall 2007



#421 - High Throughput Techniques to
Accelerate Process Development (12A01)

Wednesday, November 7, 2007: 12:30 PM-
3:00 PM

Room 254 C (Salt Palace Convention Center)

Chair: Jean Tom

Co-Chair: Mohammad Shafiei

Programming – Spring 2008



- Innovations in Gas to Liquids

Chair: Sangeetha Sagar Co-chair: Parag Kulkarni

- Process Innovations for Alternative Energy

Chair: Mani Ganti Co-chair:

- Innovations in Catalyst Development

Chair: Karl Krause Co-chair: Gopalakrishnan Juttu

Programming – Fall 2008

- Applications of Chemometrics for Process Development

Chair: Jim Marek

Co-chair: Jean Tom

- Historical Perspectives on Development of New Processes (Invited Session)

Chair: Kamlesh Bhatia

Co-chair: Christianto Wibowo

- Advances in Process Synthesis (Cosponsored with 10A)

Chair: Gavin Towler

Co-chair: Mike Malone

- Industrial Innovation in Process Design and Operations (Cosponsored with 10A)

Chair: Harvey Arellano-Garcia

Co-chair: Nikhil Arora

- Process Development for Sustainability (check for co-sponsor)

Chair: Qiang Xu

Co-chair: Vivek Julka

Programming – Spring 2009

- Process Development for Alternative Energy

Chair: Kamlesh Bhatia

Co-chair:

- Innovations in Environmental Emission Abatement

Chair: Qiang Xu

Co-chair:

- Advances and Applications of CO₂ for Enhanced Oil Recovery

Chair: Andreas Matzacos

Co-chair:

Programming – Fall 2009

- Applications of Optimization in Industrial Practice
Chair: 10C to provide a Chair Co-chair: Levente Simon
- Innovations in Energy Processes (Alternative, Efficiency Advances, etc.)
Chair: Vivek Julka Co-chair: Kamlesh Bhatia
- Advances in Pharma Process Development (cosponsor with 15B)
Chair: Check with 15B Co-chair: David Li
- Integrated Product and Process Design (cosponsor with 12G, 10A)
Chair: Michael Hill Co-chair: From 10A
- Microscale and High Throughput Systems for Crystallization Development (Co-sponsored with 2B)
Chair: Paul Kenis Co-chair: Jean Tom

Potential Session Topics

- Process Innovation as a Route to Competitive Advantage
- Innovations in Nanotechnology Process Development (Fall 06 with Div 22)
- Innovations in Green Chemistry and Sustainable Process Development (Fall 03)
- Selling and Implementing Innovation in the Traditional CPI (Fall, 2003)
- Process Innovation as a Route to Shorter Time to Market (Fall, 2003)
- Innovation through Process Synthesis and Visioning
- Process Innovation Success Stories or Case Studies
- Best Practices for New Technology Development
- Process Development for Sustainable Processes (like Fall 06)
- Development of New Reaction (separation, etc) Processes
- Managing risks in New Technology Development

Area 12a Leadership Roles



Area 12a Past Chair

The Area 12a Past Chair oversees the handover of action items and responsibilities to the incoming Area 12a Chair, and supports and advises the Area 12a Chair during his/her two year term as necessary.

Area 12a Leadership Roles

Area 12a Chair

The Area 12a Chair leads all Area 12a activities, and has overall responsibility for ensuring all phases of programming for Area 12a.

- Automatically assumes Area Chair position at the **beginning** of the annual (Fall) meeting in odd years after serving as Chair-Elect for two years.
- Is responsible for selection of technical session topics in coordination with the Division Programming chair, and for finding chairs and co-chairs for these sessions.

Area 12a Leadership Roles

Area 12a Chair Cont'd.

- Coordinates and helps session chairs in organizing sessions and meeting deadlines.
- Develops the Area in accordance with the Area Mission Statement.
- Holds Area meetings at least once a year at the Annual or Spring Meeting.
- Holds an Area election at the Steering Committee meeting upon **leaving** office for the next Chair-Elect before handing over responsibilities to the current Chair-Elect.
- Provides leadership and management for the Area.

Area 12a Leadership Roles

Area 12a Chair-Elect

The Area 12a Chair-Elect prepares for the office of Chair by assisting the Area 12a Chair during his/her two year term.

- Deputizes for the Area 12a Chair in the Chair's absence or inability to serve.
- Automatically assumes the position of Area 12a Chair at the beginning of the annual (Fall) meeting in odd years after serving for two years as Area 12a Chair-Elect.
- Formulates long-term plans and strategic activities for the Area in accordance with the Area Mission Statement.

Thank You !

