

AIChE Process Development Division Spring Meeting Newsletter 2017



For more information, visit

<http://www.aiche.org/community/sites/divisions/process-development>

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Message from the Chair

Welcome to the Spring 2017 edition of the AIChE Process Development (PDD) Newsletter. Let me start by highlighting some major events of interest for 2017:

- The 2017 Spring Meeting (including the 13th Global Conference on Process Safety) will be held March 27 – 29th in San Antonio at the Henry Gonzalez Convention Center.
- The 2017 Process Development Symposium (Theme: “Scaling up Processes: Solving Common Challenges”) on June 6 – 8th in Toronto, Canada.
- The 2017 Annual Fall Meeting will be held October 29 – November 3rd in Minneapolis, MN.

Message from the Chair (Cont.)

The Spring Meeting is rapidly approaching and is a week away. Registration is still open. Please plan on joining our Division meetings if you would like to learn more about the Division or are interested in becoming more actively involved in technical programming / leadership for the Division. We'll also be having our Division dinner at Casa Rio – tickets for the dinner are available during the registration process or can be purchased separately. Dinner tickets are moving quickly so I would encourage purchasing during registration. Details on the Division meetings and dinner are included in the newsletter.

A reminder for authors who would like to present at the Fall meeting. The call for abstracts closes on April 17, 2017. I'd strongly encourage those interested to submit their abstracts and take note of the deadline.

As always, many thanks to all of you for your support and interest in the Division. I look forward to meeting anyone attending the Spring meeting in person. If you have questions, thoughts, or suggestions about the PDD, please feel free to contact me at:

Email: william.hollar@sabic.com
Phone: 812-431-0780

Best regards,

Bill Hollar
Process Development Division Chair

Interested in nominating yourself or a colleague for the following categories

- Excellence in Process Development Research Award
- Process Development Practice Award
- Process Development Division Student Paper Award

Please fill out the Nomination form at

<http://www.aiche.org/community/sites/divisions/process-development/awards>

2017 Process Development Awards

The PD Division is proud to announce that the winners for the following awards for 2017

AICHE Process Development Practice Award: Joseph Powell, Chief Scientist, Shell
(Sponsor: Zeton)

<https://www.aiche.org/community/bio/joseph-b-powell>

AICHE Process Development Research Award: Pending
(Sponsor: Pfizer Inc.)

Student Award: Pending
(Sponsor: Eli Lilly & Company)

Join Process Development Division (PDD)

The PD division promotes networking and communication among engineers and scientists interested in process development through meetings, seminars, courses, and publications. This division also organizes AIChE activities in the field, and materials with other related societies.

In addition, the PD division provides a forum for the engineer and educator to exchange information and ideas.

Chartered: 2000, Dues: \$10



ATTEND THE 2017 PROCESS DEVELOPMENT SYMPOSIUM

Scaling Up Processes: Solving Common Challenges

June 6 - 8, 2017 | Hyatt Regency Toronto | Toronto, ON, Canada



Register by May 1st to Receive the Early Rate.

Plan to attend the 2017 Process Development Symposium this June in Toronto. Over two and a half days, you'll be involved in a comprehensive look at process scale-up essentials. This year's technical program covers a range of topics, focusing on scale-up challenges and best practices. Catch up on the latest process development advancements and network with colleagues involved in the industry.

CONFERENCE HIGHLIGHTS

- Pre-conference Reception prior to the start of the technical sessions, a great opportunity for networking with other industry professionals.
- Keynote Presentation from Ravi Gukathasan, Chief Executive Officer, Digital Specialty Chemicals (DSC).
- Eight Technical Sessions featuring speakers from chemical engineering profession sharing their wisdom, knowledge, tips, and personal experiences related to process development.
- An engaging poster reception where attendees can enjoy drinks and hors d'oeuvres while catching up on the latest research.
- An interactive session where seasoned veterans will share their process development and scale-up "war stories." Attendees will have the opportunity to share stories, experiences, and ask critical process development questions.

TECHNICAL SESSIONS

- Process Optimization and Efficiency: Reducing Time to Commercial
- Transitioning from Batch to Continuous Processes
- "Bridging the Valley of Death": Overcoming Commercialization Obstacles
- The Role of Models and Computation in Process Development
- Case Studies
- Addressing Common Development Issues across Industry: Economic Perspective and Evaluation
- Evaluating Mixing Techniques for Scale-up Processes

If you're looking for innovation and professional growth, this year's event is not-to-be-missed.

For additional conference information and to register, visit www.aiche.org/pds.

Co-organized by:

The Process Development Division and
Fuels & Petrochemicals Division

Co-sponsored by:



Canadian Society for Chemical Engineering | For Our Future

Spring Meeting – What you need to know

Process Development Division (PDD) Dinner

The Process Development Division Dinner provides an excellent opportunity for networking. Plan to attend and become more engaged in the Division!

When: Tuesday March 28, 2017
Time: 7:30 PM (Ticketed Dinner)
Where: Casa Rio
Address: 430 E. Commerce St, San Antonio
TX 78205
Phone: 210.225.6718
Cost: \$70 per person
Will appreciate early registration



Bring a Young Colleague

Are you looking for one more good reason to register for the 2017 AIChE Spring Meeting?

Here's one: you can bring a young colleague with you for half price.

Simply invite a co-worker, friend or industry newcomer to join you at the Meeting. Your colleague can attend for 50% off the registration fee. That's a savings of \$300 or more.

You are welcome to bring any colleague who passes this simple "test":

- Your colleague is 35 or under
- Has never before attended the Spring Meeting
- And would benefit from attending the year's premier event for chemical engineers and the learning, networking

Spring Meeting Highlights

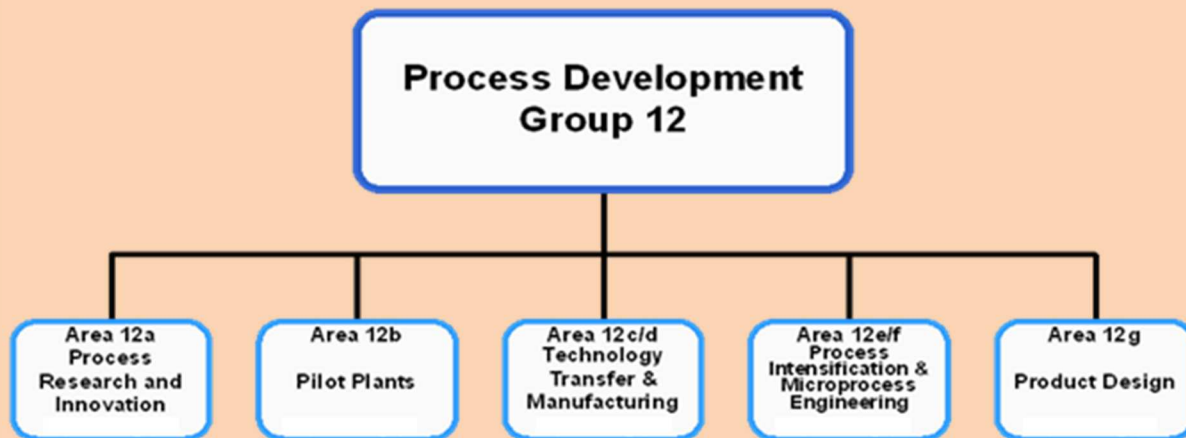
- Smart Manufacturing Panel: Where is it leading for Chemical Engineering?
- AGILE Award Keynote Address
- Process Intensification Keynote Address
- Fuels and Petrochemicals Division Welcome Session and Keynote Address
- High School Outreach Program
- F&PD Executive Panel – Energy, Water Nexus
- Gas Utilization Topical Conference Keynote and Reception
- F&PD – The Future of APC
- Ethylene Plant Maintenance & Reliability Panel

Spring Meeting Topical Conferences

- 3rd Big Data Analytics
- 5th International Conference on Upstream Engineering and Flow Assurance
- 17th Topical Conference on Gas Utilization
- 20th Topical Conference on Refinery Processing
- Kister Distillation Symposium
- Emerging Technologies in Clean Energy
- Innovative and Smart Manufacturing
- The 29th Ethylene Producers' Conference
- Sustainable Engineering
- Process Intensification



PDD Spring Meeting 2017 Programming



Monday, March 27

Morning

#1 2017 AIChE Spring Meeting and 13th GCPS AGILE Award Keynote Address

8:00 AM-9:15 AM,

Conv. Ctr.: Lila Cockrell Theatre

Early PM

#21 Challenges in Process Scale up I

1:30 PM-3:00 PM,

Conv. Ctr.: 209

#28 Process Innovations for Increased Energy Saving I

1:30 PM-3:00 PM,

Conv. Ctr.: 208

Late PM

#39 Challenges in Process Scale up II

3:30 PM-5:00 PM,

Conv. Ctr.: 209

#47 Process Innovations for Increased Energy Saving II

3:30 PM-5:00 PM,

Conv. Ctr.: 208

#196 Process Intensification Opportunities

3:30 PM-5:00 PM,

Conv. Ctr.: 210A

#58 Process Development Poster Session

5:00 PM-7:00 PM,

Conv. Ctr.: Exhibit Hall 3

Tuesday, March 28

Morning

#63 Best Senior Design Competition

8:00 AM-9:30 AM,

Conv. Ctr.: 208

PDD Spring Meeting 2017 Programming Continued (1)

#96 Process Research and Development for Industrial Sustainability

10:15 AM-11:45 AM,
Conv. Ctr.: 208

#99 Reactive Separations and Other Intensified Unit Operations

10:15 AM-11:45 AM,
Conv. Ctr.: 210A

Early PM

#106 Advances in Process Intensification

1:30 PM-3:00 PM,
Conv. Ctr.: 210A

#113 Innovations in and Next-Gen Heat Transfer Challenges

1:30 PM-3:00 PM,
Conv. Ctr.: 208

Late PM

#139 Pilot Plant Separations

3:30 PM-5:00 PM,
Conv. Ctr.: 208

#197 Developments in Process Intensification

3:30 PM-5:00 PM,
Conv. Ctr.: 210A

Wednesday, March 29

Morning

#149 Intellectual Property Law Panel Session

8:00 AM-9:30 AM,
Conv. Ctr.: 213B

#155 Modeling Tools and Techniques for Process R&D I

8:00 AM-9:30 AM,
Conv. Ctr.: 208

#198 Innovations in Process Intensification

8:00 AM-9:30 AM,
Conv. Ctr.: 210A

#172 Modeling Tools and Techniques for Process R&D II

10:15 AM-11:45 AM,
Conv. Ctr.: 208

Early PM

#181 Modeling Tools and Techniques for Process R&D III

1:30 PM-3:00 PM,
Conv. Ctr.: 208

#200 Opportunities and Challenges in Process Intensification

1:30 PM-3:00 PM,
Conv. Ctr.: 210A

Late PM

193 Technology Transfer: The Process and the Applications

3:30 PM-5:00 PM, Conv. Ctr.: 208

PDD Spring Meeting 2017 Programming – Co-sponsored Session with Process Intensification Topical

Monday, March 27

Late PM

#196 Process Intensification Opportunities

3:30 PM-5:00 PM,

Conv. Ctr.: 210A

Tuesday, March 28

Morning

#99 Reactive Separations and Other Intensified Unit Operations

10:15 AM-11:45 AM,

Conv. Ctr.: 210A

Early PM

#106 Advances in Process Intensification

1:30 PM-3:00 PM,

Conv. Ctr.: 210A

Late PM

#197 Developments in Process Intensification

3:30 PM-5:00 PM,

Conv. Ctr.: 210A

Wednesday, March 29

Morning

#198 Innovations in Process Intensification

8:00 AM-9:30 AM,

Conv. Ctr.: 210A

Early PM

#200 Opportunities and Challenges in Process Intensification

1:30 PM-3:00 PM,

Conv. Ctr.: 210A

PDD Spring Meeting 2017 Programming – Co-sponsored Session with Chemical Engineering and the Law Forum

Wednesday, March 29

Morning

#149 Intellectual Property Law Panel Session

8:00 AM-9:30 AM, Conv. Ctr.: 213B

2017 Annual Meeting

October 29 – November 3, 2017, Minneapolis, MN

PDD Tentative Sessions:

Process Development Division (12)

12000 Poster Session: Process Development

12000 Panel Speakers Forum: Chemical Process and Product Careers in Academia Vs. Industry

Process Research and Innovation (12A)

12A00 Development of Sustainable New Materials and Intermediates

12A00 Modeling and Scale-up of Polymerization Processes

12A00 Industrial Innovations through Modeling and Optimization

12A00 Crystallization Process Development I

Pilot Plants (12B)

12B00 Design, Construction and Operation of Unit Operations Labs and Pilot Plants

12B00 Best Practices in Pilot Plants

12B00 Pharmaceutical Process Development and Pilot Plants

12B00 Equipment Vendor Piloting Capacity

12B00 Process Scale-up Techniques

Technology Transfer and Manufacturing (12C)

12C00 Technology Development: Process Design Package - Milestone from Innovative Technology to Commercial Unit

12C00 Risk Reduction in- and Implementation of- Process & Technology Development

Process Intensification & Microprocess Engineering (12E)

12E00 Advances in Process Intensification I

12E00 Advances in Process Intensification II

12E00 Process Intensification by Process Integration

12E00 Process Intensification by Enhanced Heat and Mass Transfer

Product Design (12G)

12G00 Physical Properties for Chemical Process and Product Design

12G00 Tools for Product Design

12G00 Product and Molecular Design

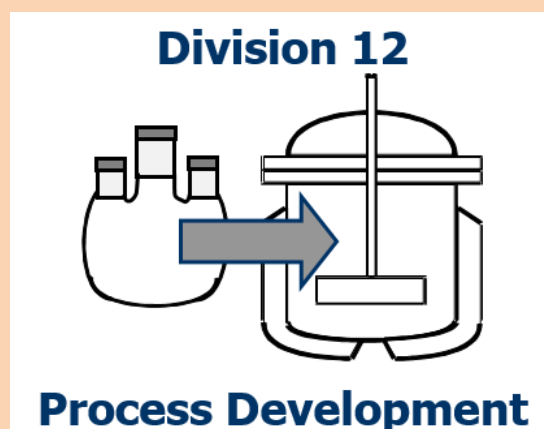
12G00 Sustainable and Green Product Design

Call for Papers closes April 17, 2017






Process Development Area Leadership

	Chair	Chair Elect	Area Coordinator
12a Process Research & Innovation	Tom Enright Xerox Research 905-823-7091 x345 tom.enright@xerox.com	Tom Xu DuPont Tom.Xu@dupont.com	James Marek James.marek@abbvie.com
12b Pilot Plants	Oliver Orrell Zeton Inc. 905-632-3123 x264 oorrell@zeton.com	Hsiang Yee Lai hsiang.lai@swri.org	Nitin Tople SABIC 812-831-4691 nitin.tople@sabic.com
12c/d Technology Transfer & Manufacturing	Ahmed A. Youssef SABIC T: 812.831.4121 ahmed.youssef@sabic.com	Minghua Ye SABIC mye@sabic.com	Qiang Xu ChE Dept, Lamar University 409-880-7818 qiang.xu@lamar.edu
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12g Product Design	Mosha Zhao ExxonMobil Chemical Company T : 281-834-2626 Email:mosha.h.zhao@exxonmobil.com	Sitaraman Krishnan Clarkson University skrishna@clarkson.edu	Kishori Deshpande Dow Chemical Company kdeshpande@dow.com



Process Development Division Leadership (2016-2018)

<p>Chair</p> 	<p>William Hollar SABIC Phone: 812-831-4751 Email: william.hollar@sabic.com</p>	<p>Chair Elect</p> 	<p>Robert Huss Eastman Chemical Company Phone: 423-229-6425 E-mail: rhuss@eastman.com</p>
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<p>Treasurer</p>	<p>Raymond Rooks Praxair Email: Raymond_Rooks@praxair.com</p>	<p>Awards Chair</p> 	<p>Jay Miller Phone: (610) 359-2092 Email: jmiller@gmail.com</p>
<p>Newsletter Editor</p> 	<p>Nitin Tople SABIC T: 812.831.4691 Email: nitin.tople@sabic.com</p>	<p>Past Chair</p> 	<p>John F. Peragine Bristol-Myers Squibb Phone: (732) 227-5688 Email: John.Peragine@bms.com</p>
<p>Webmaster</p> 	<p>Robert Huss Eastman Chemical Company Phone: 423-229-6425 E-mail: rhuss@eastman.com</p>		