

AIChE Process Development Division

Spring Newsletter 2021



For more information, visit <http://www.aiche.org/community/sites/divisions/process-development>

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Message from the Chair

Welcome to our Spring 2021 newsletter! Please read through to see information on the upcoming virtual Spring meeting and the planning for the “hybrid” (virtual and in-person) Annual 2021 meeting. Planning is also in progress for the next virtual Process Development Symposium scheduled from June 8-10 2021.

For those attending the Spring meeting, I encourage you join our virtual networking events on Tuesday, April 20 2021. We are going to have a joint technical discussion with RAPID in the afternoon, and our usual PDD networking event in the evening. Please see the details following and join if you can.

Thanks again for being a member of the Division, and your support. Please consider becoming more active in the division through our programming areas. Our division contact information is at the end of the newsletter, don’t hesitate to reach out to anyone on that list for more information.

All my regards and stay safe.

Best regards,

Tony Cartolano

Process Development Division Chair

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 engineers and educators to exchange information and ideas.

Chartered: 2000, Dues: \$10

Process Development Division (PDD) Awards and Recognitions

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>

Congratulations to the 2021 PDD award winner!

Process Development Practice Award

Award Sponsor: Zeton Inc.

Dr. Shrikant Dhodapkar

Fellow, Performance Plastics Process R&D, Dow

Excellence in Process Development

Research Award

To be announced

Award Sponsor: Pfizer Inc.

Process Development Division Student Paper Award

Award Sponsors: Linde Group

To be announced

Special Recognitions to PDD members:

- Congratulations to **Dr Bipin Vora** (Process Development Practice Award winner from 2015) for dual honors: elected as a Foreign Fellow of Indian National Academy of Engineering (INAE) and Fellow of National Academy of Inventors (NAI) in December 2020.
- Congratulations to **Dr Joseph Powell** (Process Development Practice Award winner from 2017) for being elected to the National Academy of Engineering (NAE) in February 2021.

Process Development Division (PDD) Meetings at 2021 Spring Meeting that you need to know about

Although we will not be meeting in person at the Spring meeting this year, PDD will host its regular list of meetings on the vFairs Virtual Platform.

- The **PDD General meeting** is planned to take place on Monday, April 19, 2021 at 5pm CDT.
- The **PDD Programming meeting** is planned on Monday, April 19, 2021 at 12:30 pm CDT.

In place of the much-anticipated regular Tuesday evening dinner, PDD will host two one-hour virtual networking events on vFairs Platform

- Technical Networking: “**Joint Process Development & RAPID Event**” is planned on Tuesday, April 20, 2021 at 12:00 pm CDT.
- Fun Focused Networking: “**Process Development Division (PDD) Networking**” is planned on Tuesday, April 20, 2021 at 4:00 pm CDT.

Also, please join in on all the PDD division virtual sessions to learn more on PDD topics and feel free to reach out to the PDD leadership team (pages 13 and 14 of this newsletter) to get more involved in the division.

Process Development Division (PDD) Networking Event at 2021 Spring Meeting

“For those of you attending the Spring 21+17th GCPS meeting, treat yourself to a well-deserved break! Please plan to join the Process Development Division (PDD) for a “fun focused networking” event on Tuesday, April 20, from 4:00-5:00 p.m. Central Time, using the vFairs Virtual Platform.

We’ll have hosts at various “tables” to facilitate discussions and coordinate making our own fun! Participants will enter the “room” and then, after some welcoming remarks, will pick one of a handful of “tables” for approximately 15 minute (give or take) intervals. This will allow participants to “mingle” with various small groups (targeting three “table” rotations) before having everyone join back in the main “room” to wrap-up the event.

Use the above link and click on the “Click to bookmark” icon at the top left of the page or use this link to find the “Process Development Division (PDD) Networking” event (3rd from bottom) and click on the “Click to bookmark” icon at the left. No registration is required.

We’re excited to offer this networking opportunity and look forward to lively interactions, even if they are virtual!”

PDD Membership Committee

2021 Spring Meeting – At a Glance



 **VIRTUAL**

SPRING21

+17TH GCPS

A Joint AIChE and CCPS Meeting

APRIL 18-23, 2021

**Securing the Future through Chemical
Engineering & Process Safety Innovations**

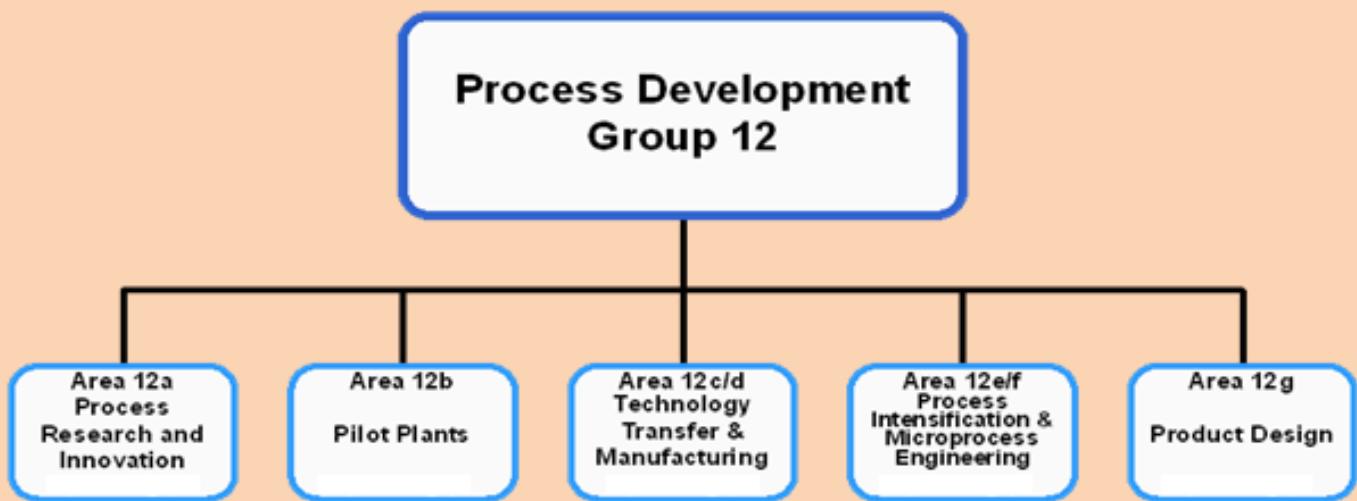
Refer to Meeting Guide at this [link](#)

Refer to this [link](#) for all spring meeting events

2021 Spring Meeting – At a Glance

- **2021 Spring Meeting Events**
- **Ancillary Events**
- **Awards Events**
- **Chemical Engineering & the Law Forum**
- **Computing and Systems Technology Division**
- **Engineering for Inclusion**
- **Environmental Division**
- **Fuels and Petrochemicals Division - See Also Topicals 4, 6, and 7**
- **Global Congress on Process Safety**
- **Industrial Wastewater Management and Water Reuse Topical Conference**
- **Industry 4.0 Topical Conference**
- **Invited Session**
- **Liaison Functions**
- **Management Division**
- **Networking Events**
- **Process Development Division**
- **Separations Division - See Also Topical 8**
- **Spring Meeting Poster Session and Networking Reception**
- **Topical 4: The 33rd Ethylene Producers Conference**
- **Topical 5: Emerging Technologies in Clean Energy**
- **Topical 6: 21st Topical Conference on Gas Utilization**
- **Topical 7: 24th Topical Conference on Refinery Processing**
- **Topical 8: Kister Distillation Symposium**
- **Topical 9: 9th International Conference on Upstream Engineering and Flow Assurance**
- **Topical 12: Hydrogen Safety**
- **Topical B: Leadership Development – Professional Skills to Catalyze your Career**
- **Topical C: Process Intensification**
- **Young Professionals Events**

PDD Spring Meeting 2021 Programming



Process Development and Chemical Engg Under Global Warming Reality (Sustainability and Circularity)

vFairs Virtual Platform, Process Development

3:00 PM - 4:00 PM

Apr 19, 2021

PDD Spring Meeting 2021 Programming Continued



Modeling Tools and Techniques for Process R&D I

vFairs Virtual Platform, Process Development

11:00 AM - 12:00 PM

Apr 20, 2021

Sponsored Technology Workshop - Mechanical Seal Reliability & Troubleshooting - John

Crane

vFairs Virtual Platform, Process Development

11:00 AM - 12:00 PM

Apr 20, 2021

Joint Process Development & RAPID Event

vFairs Virtual Platform, Technically Driven Networking

12:00 PM - 1:00 PM

Apr 20, 2021

Modeling Tools and Techniques for Process R&D II

vFairs Virtual Platform, Process Development

1:30 PM - 2:30 PM

Apr 20, 2021

Pilot Plant and Laboratory Safety

vFairs Virtual Platform, Process Development

3:00 PM - 4:00 PM

Apr 20, 2021

PDD Spring Meeting 2021 Programming Continued



Advances in Process Design and Development I

vFairs Virtual Platform, Process Development

11:00 AM - 12:00 PM

Apr 21, 2021

Advances in Process Design and Development II

vFairs Virtual Platform, Process Development

1:30 PM - 2:30 PM

Apr 21, 2021

AICHE ANNUAL MEETING 2021: TENTATIVE PDD SESSIONS



Hybrid: Boston (Nov. 7-11) and Virtual (Nov. 15-19)

The call for abstracts deadline is April 12th! Submit your abstract [here](#).

Missed the deadline? Please contact Fall Programming Chair or Area Chairs if interested. (Pages 13 and 14 of newsletter)

Process Research and Innovation(12A)

- Environmentally Friendly Product and Process Development for Sustainability
- Renewable Polymers and Intermediates Technology
- Process Research and Simulations for Improved Throughput & Efficiency, and Reduced Cost

Pilot Plant(12B)

- Design, Construction and Operation of Unit Operations Labs and Pilot Plants
- Process Scale-up Techniques

Tech Transfer and Manufacturing(12C/D)

- Implementation & Demonstration of Process Improvements on an Industrial Scale
- Process Development: Design, Risk Reduction, Implementation and Operations
- Manufacturing Technology Improvements for Chemical/Petrochemical Industries
- Challenges and Best Practices in Technology Commercialization

Process Intensification and Microprocess Engineering(12E/F)

- Novel Reactors
- Novel Processes & Concepts
- Modular Processes for Coal & Biomass Conversion

Product Design (12G)

- Panel Discussion: Chemical Process and Product Design Careers in Industry & Academia
- Experiences in Teaching Process Safety
- Physical Properties for Chemical Product and Process Design
- Tools and Techniques for Product Design
- Sustainable and Green Product Design
- Materials and Processes for Water Purification and Desalination



Process Development Symposium (PDS 2021) planning is in
progress

Virtual, June 8-10, 2021!

For more information, contact Cody Hirashima (codyh@aiche.org)

Process Development Division Area Leadership



	Chair	Chair Elect	Area Coordinator
12A Process Research & Innovation	James Marek James.marek@abbvie.com	Ray Jian rjian@sabic.com	Ben Yang xiaochuan.yang@fda.hhs.gov
12B Pilot Plants	Nitin Tople SABIC 412-576-4840 nitin.tople@sabic.com	Mike Trainor mtrainor@zeton.com	Madhav Ghanta Madhav.ghanta@sabic-hpp.com
12C/D Technology Transfer & Manufacturing	Rob Nunley MATRIC rob.nunley@matricinnovates.com	Ha Dinh Ha.Dinh@honeywell.com	Micheal Telgenhoff Micheal.telgenhoff@dow.com
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12G Product Design	Kishori Deshpande Dow Chemical Company kdeshpande@dow.com	Mu Wang wang.m.13@pg.com	Shaibal Roy Shaibal.fmc@fmc.com

Process Development Symposium Liaison:

Kevin G. Joback (kevin@molecularknowledge.com)

Process Development Division Leadership (2021)

Chair 	Anthony Cartolano Anellotech Inc. E-mail: arcartolano@gmail.com	Chair Elect 	Qiang Xu Lamar University Phone: (409) 880-7818 Email: Qiang.xu@lamar.edu
Awards Chair 	Jay Miller Phone: (610) 359-2092 Email: jmiller@gmail.com	Membership Chair 	Adam Whalley Zeton Inc. Phone: 905.632.3123 x235 Email: awhalley@zeton.com
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Treasurer 	Raymond Rooks Praxair Email: raymond@rooks.me	YP Liaison 	Ahmed Youssef SABIC E-mail: ahmed.youssef@sabic.com
Past Chair and Webmaster 	Robert Huss Eastman Chemical Company Phone: 423-229-6425 E-mail: rhuss@eastman.com	CTOC Liaison 	Helen Lou Lamar University Phone: 409-880-8207 Email: helen.lou@lamar.edu