

2005 AIChE Annual Meeting



October 30th – November 4th
Cincinnati, Ohio

SPECIAL EVENTS	PROCESS DEVELOPMENT SESSIONS
<p><u>Sunday</u></p> <ul style="list-style-type: none"> • Energy Forum 3:30 PM – 5:00 PM • Welcome Reception 7:00 PM – 8:30 PM <p><u>Monday</u></p> <ul style="list-style-type: none"> • PDD Area 12A/12C Meeting 10:30 AM – 12:30 PM • Annual Business Meeting 10:45 AM – 11:45 AM • PDD Symposium Planning Mtg. 5:45 PM – 7:30 PM <p><u>Tuesday</u></p> <ul style="list-style-type: none"> • PDD Area 12D/12B Meeting 10:30 AM – 12:30 PM • PDD Division Meeting 5:30 PM – 7:30 PM <p><u>Wednesday</u></p> <ul style="list-style-type: none"> • Tour of P&G Pilot Plant • Process Development Dinner 7:30 PM - Bankers Club <p><u>Thursday</u></p> <ul style="list-style-type: none"> • Steering Meeting 9:00 AM – 12:30 PM 	<p><u>Monday</u></p> <ul style="list-style-type: none"> ▪ Pharmaceutical Product/Process Development & Scale-up: Part 1 ▪ Safety in Design and Operation - Pilot Plants and Unit Operation Labs: I ▪ Safety in Design and Operation - Pilot Plants and Unit Operation Labs: II ▪ Process Development and Manufacturing for Novel, High-Tech Materials <p><u>Tuesday</u></p> <ul style="list-style-type: none"> ▪ Early Stage Venture Creation: New Prospects for Chemical Engineers: Part I ▪ Pilot Plant Economics ▪ Rapid Process Scale-Up through Unique Partnerships <p><u>Wednesday</u></p> <ul style="list-style-type: none"> ▪ Innovative Modeling and Data Analysis ▪ Industrial Innovation in Process Design and Operations ▪ Successful Collaborations between Government, Academia and Industry ▪ Fault Detection and Diagnosis II ▪ Panel Discussion--Developing Value Through Synergistic Collaboration <p><u>Thursday</u></p> <ul style="list-style-type: none"> ▪ Advancement in Manufacturing Tech ▪ Process Optimization <p><u>Friday</u></p> <ul style="list-style-type: none"> ▪ Innovative Feedstocks and Energy Utilization for Sustainable Process Development ▪ Debottlenecking of Manufacturing Processes

Register online at <https://www.aiche-mart.org/meetreg/meetreg.asp>

Message from Chair.....	2
Upcoming Events and Announcements.....	3
New Areas of PDD and Fall Topical Conference.....	4
2006 Process Development Symposium.....	5
Nominations.....	6
Process Development Division Leadership.....	7

AIChE Process Development Division Newsletter

From the Chair...

Welcome to the 2005 Annual Meeting! The Process Development Division has impressive meeting programming and we look forward to seeing everyone at the meeting. Please attend the Process Development planning meeting and become more involved in the division:

<u>Division Planning Meeting</u>	<u>Date and Time</u>	<u>Location</u>
Area 12A and 12C	Monday 10:30 AM 12:30 PM	Rockwood Room (4th level)
Area 12D and 12B	Tuesday 10:30 AM 12:30 PM	210 North (2nd level)
Division Meeting	Tuesday 5:30 PM 7:00	PM 208 North (2nd level)

Don't forget to register for the Process Development Dinner Wednesday November 2, 2005 at the Bankers Club. I am very excited to say that the division will be presenting the following awards at the dinner:

2005 Process Development Practice Award

Kamlesh Bhatia

2005 The Excellence in Process Development Research Award

Prof. A. Hrymak

2005 Process Development Student Paper Award

Dimitrios M. Zarkadas

Please consider submitting a nomination package for the 2006 Process Development Practice Award; the nomination instructions are on the Process Development Web page <http://www.pd-aiche.com/>

The division leadership is thrilled to announce that there are two new Process Development Division Areas: **Microprocess Engineering** (Area 12e) and **Process Intensification** (Area 12f). These topics have had impressive programming and we look forward to incorporating Microprocess Engineering and Process Intensification into the Process Development Division. These new area will extensively increase our programming and impact. Please see the further description later in the newsletter and contact the area chairs if you are interested becoming involved.

The division is starting a programming concentration in **Product Design**. There will be a Product Design session at the 2006 Process Development Symposium and a topical at the 2006 Annual meeting. Please see the detailed information later in the newsletter and contact Michael Hill or Gautham Parthasarathy if you would like to become involved in Product Design programming.

Planning is underway for the **Third Process Development Symposium** *Learn from the Past and Plan for the Future* June 11-14, 2006 in Palm Springs, CA. There will be sessions in Product Centered Process Engineering, Process Development – Going Beyond Basic Data, Understanding Your Process, Process Intensification: Step Change Technology for Responsive Processing and Developing Value through Collaboration. The symposium steering committee is [accepting abstracts for papers and posters through November 30, 2005](#).

The Proposal To Present is open for the AIChE Spring Meeting until **November 14, 2005**. Please consider submitting a PTP to one of the Process Development sessions or to the Process Intensification Topical.

The Process Development Division Mission is to promote programming of process development topics at the AIChE Meetings and to promote networking and communication among those involved in process development. The Division has six exciting areas:

- 12a Process Innovation
- 12b Pilot Plants
- 12c Technology Transfer
- 12d Manufacturing
- 12e Microprocess Engineering
- 12f Process Intensification

The Division Leadership is provided at the end of the newsletter. Please feel free to contact any of us; we welcome comments, suggestions and especially volunteers!

Christine Seymour – Process Development Division Chair

John Peragine – Process Development Division Chair-Elect

AIChE Process Development Division Newsletter

UPCOMING ACTIVITIES:

AICHE/ACS Management Conference	November 2 - 4,	Cincinnati, OH
2006 Spring Meeting	April 23 - April 27, 2006	Walt Disney World Dolphin Resort Orlando, FL
Process Development Symposium	June 11-14, 2006	Doral Desert Princess Resort Palm Springs, CA
2006 Annual Meeting	November 12-17	San Francisco Hilton San Francisco, CA

ANNOUNCEMENTS:

Product Design

Since chemically based products with sufficient performance differentiation can command a premium market price, many companies see product innovation as major source of growth. As a result, Product Design and Development are rapidly becoming buzzwords in the chemical process industry. In response to this growing interest in Product Design, the Process Development Division is starting an initiative to significantly increase its programming in this important field. One session at the 2006 Process Development Symposium and a 4-day topical conference at the 2006 Annual Meeting are planned. If there is adequate interest, Product Design may in the future be established as its own programming area. Any Division members seeking additional information or who would like to volunteer to help this initiative should contact Michael Hill at michael@mhillassoc.com or Gautham Parthasarathy at ggpart@solutia.com.

P&G Pilot Plant Tour

The PD Division has arranged for a tour of P&G's Pilot Plant Facility on the afternoon of Nov 2 to coincide with the annual meeting. Delegates will leave from the Cincinnati Conference Center, either by bus or taxi (yet to be decided depending on final numbers). In addition to the tour, P&G will be supplying light refreshments after the tour (during question and answer period). There will be a small charge to cover costs (\$5-\$30 depending on transportation). P&G has asked that tour delegates sign a CDA, which is now available for review. We can accommodate 20 delegates on the tour, and we have a few open spots. Please contact David Edwards at dedwards@zeton.com for more details.

Area 12C Programming

The Area 12C Meeting will be held at 10:30am on October 31. If you feel strongly about any programming that should be made available, this is your chance to get it in! We have invited our newest areas, Microreactors and Process Intensification, to come to discuss programming as well. We will be finalizing sessions for the 2006 Fall Meeting in San Francisco, and planning for the Spring and Fall Meetings in 2007. Candy Corn will be available in order to keep us in a festive mood. See you there!

New Areas in the Process Development Division (Group 12): Microprocess Engineering (Area 12e) and Process Intensification (Area 12f)

Microprocess Engineering (MPE) and **Process Intensification (PI)** are two new areas the **Process Development Division (PDD)** of AIChE launched in 2005. Sessions on these topics at AIChE conferences have been sponsored until now by the Research and New Technology Committee. The two new areas have been now formally constituted in the Process Development Division. As members of the division you will have special access to the activities of the two new areas. In the next several months, action will be taken to integrate the new areas in our division (update of the division website, leadership discussions, networking, future conference programming, etc).

In the mean time, if you have an immediate interest in MPE and PI, and you would like to establish contact or, for example, explore submitting papers for future conferences please see below the contact information:

Microprocess Engineering Area (12e)

Chair: Volker Hessel, Institute fur Mikrotechnik Mainz (IMM), Mainz, Germany - hessel@imm-mainz.de

Chair-Elect: Hurt VandenBussche, UOP - Kurt.VandenBussche@uop.com

Activities Chair: Ronald Besser, Stevens University - rbesser@stevens.edu

Activities Chair: David Brenchley, Pacific Northwest National Laboratory - Dr.B@pnl.gov

Process Intensification Area (12f)

Chair: Roshan Jachuck, Clarkson University - rjachuck@clarkson.edu

Chair Elect: Laurence Weatherley, University of Kansas - lweather@ku.edu

PDD Leadership Liaison to these areas is Annette Johnston - Annette.Johnston@abbott.com

PDD Membership Chair is Michael Hill - michael@mhillassoc.com

Highlighting a Topical Conference:

Topical D - Developing Value through Synergistic Collaboration

Tuesday, November 1st

8:00 – 10:30 AM: Early Stage Venture Creation: New prospects for Chemical Engineers: Part 1

12:30 – 3:00 PM: Early Stage Venture Creation: New Prospects for Chemical Engineers, Part II

3:15 – 5:45 PM: Rapid Process Scale-Up through Unique Partnership

Wednesday, November 2nd

8:00 – 10:30 AM: Innovative Modeling and Data Analysis

12:30 – 3:00 PM: Successful Collaborations between Government, Academy, and Industry

3:15 – 5:45 PM: Panel Discussion – Developing Value Through Synergistic Collaboration

2006 Process Development Symposium

Learn from the Past, Plan for the Future

June 11-14, 2006
Palm Springs, CA



The following sessions will be held:

- Product-Centered Process Engineering
- Process Development - Going beyond Basic Data
- Understanding Your Process
- Process Intensification: Step Change Technology for Responsive Processing
- Developing Value through Collaboration

For details on the symposium – venue, schedule and sessions, please visit us on the web at <http://www.aiche.org/conferences/processdev/>

We are currently accepting abstracts for papers and posters for PDS 2006. Please submit an abstract of 500 words or less by November 30, 2005. Be sure to include the name, affiliation, and addresses of the authors. The Technical Committee will select the papers and posters and for the symposium and notify authors by December 31, 2005. Authors for papers should submit their completed manuscript by January 31, 2006. Please send the abstract to lionel@cwbttech.com or fax to +1 (909) 595-6899.

If you are interested in helping with the planning of the symposium, please attend the planning meeting at the AIChE Annual Meeting on Monday, October 31st at 5:45 pm.

We look forward to seeing you at the conference!

For more information, please contact:

Lionel O'Young, Symposium Chair

ClearWaterBay Technology, Inc.

20311 Valley Blvd., Suite C

Walnut, CA 91789

Phone: (909) 595-8928

Fax: (909) 595-6899

Email: lionel@cwbttech.com

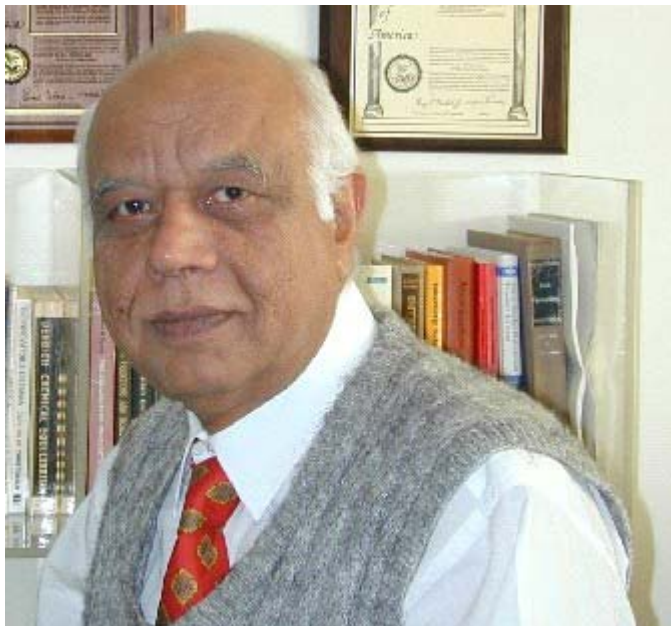
October 2005

AIChE Process Development Division Newsletter

Process Development Division Awards

The Process Development Division will present the 2005 Process Development Practice Award to Kamlesh K. Bhatia, Research Fellow, DuPont Central Research & Development. The award presentation will take place at the Division's dinner on Wednesday, November 2, 2005 at the Bankers' Club, Cincinnati. The Process Development Practice Award, sponsored by Zeton, recognizes individuals with outstanding contributions in the practice or application of chemical engineering to process development. Awardees are selected based on their contributions to the discovery and application of innovative solutions to technological problems, commercialization of new products and processes, and/or in recognition of an outstanding career.

Nominations for the 2006 Process Development Practice Award are due on **December 15, 2006** for presentation at the 2006 Spring Meeting in Orlando, FL. Please consult the [Division's Award Page](#) for instructions on submitting a nomination and contact information.



Kamlesh K. Bhatia

Research Fellow, DuPont Central Research and Development
Winner of 2005 Process Development Practice Award

AIChE Process Development Division Newsletter

Process Development Division Leadership

Chair Christine Seymour
Research Advisor
Pfizer
MS7040-1208
Eastern Point Rd
Groton, CT 06340
Phone: (860) 686-1011
E-mail: christine.b.seymour@pfizer.com

**Chair
Elect** John F. Peragine
Principal Technical Investigator
Bristol-Myers Squibb
1 Squibb Dr. PO Box 191
New Brunswick, NJ 08903-0191
Phone: (732) 227-5688
Fax: (732) 227-3892
E-Mail: John.Peragine@bms.com

**Program
Chair** Ray Rooks
The Dow Chemical Company
3200 Kanawha Turnpike
Bldg 740, Room 5132
South Charleston, WV 25303
Phone: (304) 747-5826
Fax: (304) 747-4886
E-mail: rerooks@dow.com

**Membership
Chair** Michael Hill
M Hill & Associates, LLC
31 Winding Trail
Mahwah, NJ 07430
Phone: (201) 995-9320
Fax: (201) 840-8278
E-Mail: michael@mhillassoc.com

**Newsletter
Editor** Susan Edwards
Abbott Laboratories
400 Saginaw Drive
Redwood City, CA 94063
Phone: (650) 474-3427
E-mail: susan.edwards@abbott.com

**Activities
Chair** Cawas A. Cooper
Senior Research Associate
Air Products & Chemicals, Inc.
7201 Hamilton Blvd.
Allentown, PA 18195-1501
Phone: (610) 481-4075
Fax: (610) 481-5236
E-Mail: cooperca@apci.com

**Group
Treasurer** Ramesh M. Rameswaran
Lyondell Chemical Co
3801 West Chester Pike
Newtown Square, PA 19073
Phone: (610) 359-2409
Fax: (610) 359-6008
E-mail: cnsrnr@lyondell.com

**Awards
Chair** Cheryl Teich
Rohm and Haas Company
727 Norristown Road
PO Box 904
Spring House, PA 19477
Phone: (215) 619-5342
Email: Cteich@rohmmaas.com

**International
Liaison** Kamlesh K. Bhatia
Research Fellow
Dupont Central Research & Development
Experimental Station, E304/A303
P.O. Box 80304
Wilmington, DE 19880-0304
Phone: (302) 695-4766
Fax: (302) 695-4414
E-mail: kamlesh.k.bhatia@usa.dupont.com

Past Chair John E. Corn, Instructor
Department of Chemical Engineering
Ohio State University
231A Koffolt Lab
140 W. 19th Ave.
Columbus, OH 43210
Phone: (614) 688-8254
Fax: (614) 292-3769
E-mail: corn@che.eng.ohio-state.edu

Webmaster Jack Vinson, Ph.D.
Knowledge Jolt, Inc.
<http://www.jackvinson.com>
E-mail: webmaster@pd-aiche.com

**CTOC
Liaison** Dr. Rakesh Agrawal
Air Products & Chemicals, Inc.
7201 Hamilton Blvd.
Allentown, PA 18195-1501
Phone: (610) 481-8803
E-mail: agrawal@apci.com

AICHE Process Development Division Newsletter

Leadership of Area 12a: Process Research and Innovation

<http://www.pd-aiiche.com/area12a/>

Chair	Prof. Yinlun Huang Professor Director, Graduate Program Director, Laboratory for Computer-Aided Process Systems Science and Engineering Department of Chemical Engineering Wayne State University Detroit, MI 48202 Phone: (313) 577-3771 Fax: (313) 577-3810 E-mail: yhuang@chem1.eng.wayne.edu	Chair- Elect	Aaron Sarafinas Rohm and Haas Company 727 Norristown Road PO Box 904 Spring House PA 19477-0904 Phone: (215) 641-7215 Fax: (215) 619-1616 E-mail: ASarafinas@rohmmaas.com	Activities Chair	Dr. Lionel O'Young ClearWaterBay Technology, Inc 20311 Valley Blvd., suite C Walnut, CA 91789 Phone: (909) 595 - 8928 Fax: (909) 595 - 6899 E-mail: lionel@cwbttech.com
--------------	---	-------------------------	---	-----------------------------	---

Leadership of Area 12b: Pilot Plants

<http://www.pd-aiiche.com/area12b/>

Chair	David Edwards Project Engineer Zeton Inc. 740 Oval Court Burlington, Ontario Canada, L7L 6A9 Phone: (905) 632-3123 Fax: (905) 632-0301 E-Mail: dedwards@zeton.com	Chair- Elect	Joe Powell Sr. Staff Research Scientist Shell Chemical LP Westhollow Technology Center P.O. Box 1380 Houston, TX 77251-1380 Phone: (281) 544-8976 Fax: (281) 544-7370 E-Mail: Joe.Powell@shell.com	Activities Chair	Dan Pintar, Operation Manager UOP Phone: (708) 442-3703 E-mail: daniel.pintar@uop.com
--------------	---	-------------------------	--	-----------------------------	--

Leadership of Area 12c: Technology Transfer

<http://www.pd-aiiche.com/area12c/>

Chair	Annette Johnston Team Leader Abbott Laboratories 1401 N. Sheridan Road North Chicago, IL 60064-6292 Phone: (847) 935-5120 E-Mail: Annette.Johnston@abbott.com	Chair- Elect	Osman T. Aboul-Nasr Technical Director/Fluor Fellow Process Technology - Oil, Gas and Chemicals Fluor Daniel 100 Fluor Daniel Drive Greenville, SC 29607-2762 Phone: (864) 281-5167 Fax: (864) 676-7211 E-mail: osman.aboul-nasr@fluor.com	Activities Chair	Randall Bridgeman Xerox E-mail: randallb@office.xerox.com
--------------	--	-------------------------	---	-----------------------------	--

Leadership of Area 12d: Manufacturing

<http://www.pd-aiiche.com/area12d/>

Chair	Helen H. Lou, Ph.D. Assistant Professor Dept of Chemical Engineering P.O.Box 10053 Lamar University Beaumont, TX77710 Phone: (409) 880-8207 Fax: (409) 880-2197 E-mail: louhh@hal.lamar.edu	Chair- Elect	Stephanie Sullivan Merck E-mail: stephanie_sullivan@merck.com	Activities Chair	Randy Locke Exxon Mobil Chemical E-mail: randy.locke@exxonmobil.com
--------------	---	-------------------------	--	-----------------------------	--