



PTF *Newsletter*

Particle Technology Forum

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

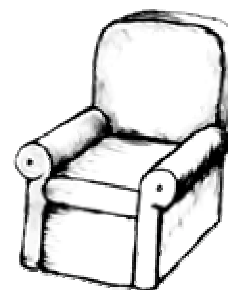
Vol. 8 No. 3

Spring 2004

The PTF is an international and interdisciplinary forum that promotes information exchange, scholarship, research, and education in the field of particle technology – that branch of science and engineering dealing with the production, handling, modification, and use of a wide variety of particulate materials, both wet or dry, in sizes ranging from nanometers to centimeters. Particle technology spans a range of industries to include chemical, petrochemical, agricultural, food, pharmaceuticals, mineral processing, advanced materials, energy, and the environment. See www.erpt.org/ptf for more information.

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LETTER FROM THE CHAIR



Annual Meeting: We had a great turnout for the **2003 Topical Conference on Engineered Particles** to help the AIChE set a new record of meeting attendance. We presented a plaque to Shrikant Dhodapkar in honor of his fine work as Program Chair for Area 3, and we welcomed Manuk Colakyan as his successor. The new Energetic Materials Group ran several sessions here and will continue to organize programs as group 3e.

Bylaws: At our annual membership meeting we passed the proposals published in the last newsletter to codify our practice of sharing governance of the PTF equally between academic and non-academic members. We also passed a bylaw amendment to allow and specify procedures for using Email to elect Executive Committee members. This will make the process faster and less expensive. The Bylaws are posted on our Web site.

Endorsement: The Executive Committee voted to endorse the **2004 International Powder & Bulk Solids Conference / Exhibition**, to be held on May 3-6, 2004, in Rosemont IL. I shall represent both the AIChE and the Particle Technology Forum and the Fifth World Congress on Particle Technology (to be managed primarily by the PTF) with an informational table at this event. Vice Chair Alan Weimer and I shall also represent these at **POWTECH / PARTEC 2004** in Nuremberg, Germany, March 16-18, 2004.

Dues: The PTF has not raised dues since our formation a decade ago, and as costs have risen we have had reduced ability to support programs. Effective for 2005 the dues will be increased from \$5 to \$10 per year. To help our non-AIChE members avoid making several small annual payments, we have introduced an option to make a single \$50 dues payment to cover five years.

Finances: The financial problems of the AIChE led to a review of the organization's accounting procedures. Although the assets of the unincorporated divisions belong to the AIChE they have not been managed through the central accounting and audit system. When this red flag was raised by the auditors the AIChE took swift action to bring division funds into the central accounting and audit system. In January 2004 PARSAT's treasurer, Richard Turton, moved to our headquarters account all but \$2,500 of the money in our checking account (which will now be treated as a petty cash account). The escrow will be invested in the AIChE's investment pool (which had a 14% return in 2003). Documented expenses will be reimbursed as in the past, and we do not expect any difficulty from these changes in financial policy.

The Fifth World Congress on Particle Technology (which we are hosting for the first time ever – it started in 1990) now has its own Web domain at <wcpt5.org>. If you can help out by chairing a session, finding exhibitors, welcoming international visitors, or in another capacity, please send an Email to me at ERPTmged@aol.com. Mark your calendar for April 23-27, 2006, in Orlando FL, and plan to present your best work to this international gathering.

I thank all members for helping make our forum a dynamic and productive organization.

– Dr. Ralph Nelson, PTF Chair

Call for PTF Award Nominations



All Awards nomination packages should be sent to Prof. Alan Weimer, Department of Chemical Engineering, 1111 Engineering Drive, University of Colorado, Boulder, CO 80309-0424 (phone: 303-492-3759; FAX: 303-492-4341; e-mail: alan.weimer@colorado.edu). The Awards include (1) The Fluidized Processes Recognition Award, (2) PTF Forum Award, (3) Lectureship Award in Fluidization, (4) Thomas Baron Award in Fluid-Particle Systems, and (5) Best Ph.D. in Particle Technology Award. **All nomination packages are due by April 1, 2004.** See the following web site for specific information on the awards:

<http://www.erpt.org/ptf/awards.htm>

Student Poster Award Winners



Congratulations to the following students, who won awards for their post presentations in the "Advance in Particle Technology Session" at the recent AIChE meeting in San Francisco.

1st place: Photoinduced Transformations at the Semiconductor -Metal Interface in Films and Solutions

Vaidyanathan Subramanian (speaker, University of Notre Dame)

Eduardo E. Wolf (co-author, University of Notre Dame)

Prashant Kamat (co-author, University of Notre Dame)

2nd place: Bubble Simulation Using Kinetic Theory

Jonghwun Jong (speaker, Illinois Institute of Technology), Dimitri Gidaspow (co-author, Illinois Institute of Technology) and Isaak K. Gamwo (co-author, DOE, National Energy Technology Laboratory)

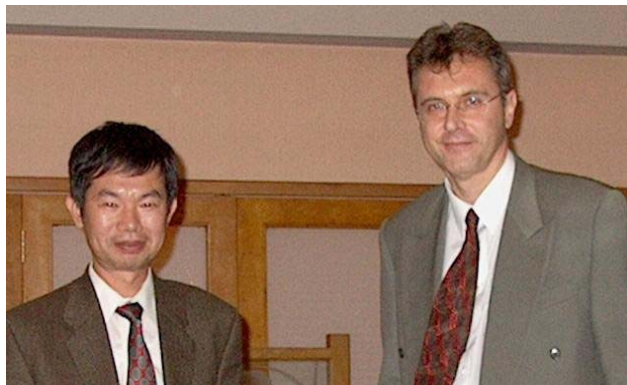
3rd place: Optimization of the Prediction of Moisture Content Inside a Fluidized-Bed Dryer Using FT-NIR Spectroscopy

Elizabeth Rivera (speaker, University of Puerto Rico)

Carlos Velazquez (co-author, University of Puerto Rico)

Special thanks go to the judges, Prof. Raj Dave of NJIT, Dr. Pat Spicer of Proctor and Gamble, and Dr. Mark Swihart of SUNY Buffalo.

2003 AIChE Annual Meeting: Snapshots



Ye-Mon Chen (Shell) with Thomas Baron Award Winner, Sotiris Pratsinis



Paul Mort (Proctor & Gamble) presents Best PhD Award to Stephen Tallon (with Al Weimer in Background)



Karsten Keller (DuPont) with Chi Tien, who won the PTF Lifetime Achievement Award



Manuk Colakyan (Dow) and Hamid Arastoopour, winner of the Fluidized Process Recognition Award



Reg Davies commemorates Brian Kaye



Shrikant Dhodapkar and his wife at the PTF Awards Banquet

2004 AIChE Annual Meeting

November 7-12, Austin Convention Center,
Austin, TX

URL: <http://www.aiche.org/conferences/annual/>



PTF Session	Chair	Co-Chair
3001 – Multi-scale and Population Balance Modelling of Particle Technology for Materials Processing	Paul Mort, mort.pr@pg.com	Alon McCormack, mccormic@cems.umn.edu
3002 – Molecular Modeling and Surface Interactions	Roger Place, RogerPlace@compuserve.com	Alon V. McCormick, mccormic@umn.edu
3004 – Control of Particulate Material Assembly Through Surface Chemistry	Steve Rankin, srankin@enr.uky.edu	Jan Sefcik, sefcik@tech.chem.ethz.ch
3005 – Fundamentals of Fluidization I	Manuk Colakyan, colakymc@dow.com	Ye-Mon Chen, yemon.chen@shell.com
3006 – Circulating Fluidized Beds	Ray Cocco, raycocco@mac.com	Reddy Kerri, rkpsri@ix.netcom.com
3007 – Liquid-Solid Fluidization	Goran N. Jovanovic, goran@che.orst.edu	Zoran Jovanovic, zjovanovic@dow.com
3008 – Dynamics and Modeling of Particulate Systems	Joe McCarthy, mccarthy@engr.pitt.edu	Maureen Howley, maureen.a.howley@njit.edu
3009 – Solids Handling and Processing	Kerry Johanson, kjohanson@erc.ufl.edu	S. Tallon, s.tallon@irl.cri.nz
3010 – Pneumatic Conveying	Shrikant Dhodapkar, sdhodapkar@dow.com	George Klinzing, Klinzing@engr.pitt.edu
3011 – Fundamentals of Fluidization II	Manuk Colakyan, colakymc@dow.com	Isaac Gamwo, Gamwo@netl.doe.gov
3012 – Gas Phase Synthesis of Nano-Particles	George Fotou, george_fotou@cabot-corp.com	Karsten Wegner, wegner@ptl.mavt.ethz.ch
3013 – Computational and Numerical Approaches to Particle Flow	Jennifer S. Curtis, jlds@ecn.purdue.edu	Pedro E. Arce, parce@tntech.edu
3014 – Mixing and Segregation in Particulate Systems	Ben Glasser, bglasser@sol.rutgers.edu	Christopher Burcham, cburcham@lilly.com
3016 – Synthesis and Coating via Supercritical Processing	Raj Dave, dave@njit.edu	Randy Weinstein, randy.weinstein@villanova.edu
3017 – Fluid Particle Interactions in the Pharmaceutical Industry	Stelios Tsinontides, stelios_tsinontides@merck.com	Fernando Muzzio, muzzio@soemail.rutgers.edu
3018 – Multicomponent Structured Particles	Sotiris Pratsinis, pratsinis@ivuk.mavt.ethz.ch	George Fotou, george_fotou@cabot-corp.com

News and Announcements

3019 – Solids Handling in Plastic Industry – New Frontiers	Gautham Parthasarthy, ggpart@solutia.com	George E. Klinzing, Klinzing@engrng.pitt.edu
3020 – Invited Session: Advances in Particle Technology – New Processes and Innovations	Tom Blake, blake@ecs.umass.edu	Roger Place, RogerPlace@compuserve.com
3021 – Heat and Mass Transfer in Fluidized Bed Processes	T. C. Ho, hotc@hal.lamar.edu	Ray Cocco, raycocco@mac.com
3022 – Nano Energetic Materials	Jan A. Puszynski, jan.puszynski@sdsmt.edu	Hendrik J. Viljoen, chrdhvj@engvms.unl.edu
3023 – Processing and Safety of Energetic Materials	Dilhan M. Kalyon, dkalyon@stevens.edu	Kristine Jasinkiewicz, kjasink@pica.army.mil
3024 – Energetic Materials: Environmental and Life Cycle Issues	Charles R. Painter, paintercr@ih.navy.mil	Erica Becvar, erica.becvar@brooks.af.mil
01C17 – Nanoparticle Synthesis, Stabilization, and Assembly	Darrell Velegol, velegol@psu.edu	Nicolas Kotov, kotov@umich.edu
01F03 – Materials Synthesis and Processing with Supercritical Fluids I	Mark C. Thies, mcths@clemsun.edu	Barbara Knutson, bknutson@engr.uky.edu
6007 – Scale-up of Solids Mixing Processes	Brian K. Johnson, Brian_Johnson@Merck.com	Mary T. am Ende, Mary_T_am_Ende@groton.pfizer.com
08D02 – Molecular Modeling of Inorganic Materials for Energy Applications	Stephen E. Rankin, srankin@engr.uky.edu	Hugh W. Hillhouse, hugh@purdue.edu
08D06 – Liquid-Phase Synthesis of Nanoparticles	Michael T. Harris, mtharris@ecn.purdue.edu	Michael S. Wong, mswong@rice.edu
15B13 – Characterization of Pharmaceutical and Fine Chemical Powders	Joseph McCarthy, mccarthy@engrng.pitt.edu	Hugo Caram, HSC0@Lehigh.edu
15B17 – Mixing Challenges in the Pharmaceutical and Biotechnology Industries	Christopher Burcham, cburcham@lilly.com	Subodh S. Deshmukh, subodh.deshmukh@bms.com
15C22 – Systems Biology “Omics” Technology Development	George S. Michaels, goerge.michaels@pnl.gov	Matthew P. DeLisa, md255@cornell.edu
20029 – Fluidized Bed Technologies	Hugo Caram, HSC0@Lehigh.edu	Gautham Parthasarthy, ggpart@solutia.com
22007 – Nanotechnology and Nanobiotechnology for Sensors	Mark W. Vaughn, Mark.Vaughn@ttu.edu	Venkat R. Bhethanabotla, venkat@eng.usf.edu
22028 – Self and Directed Assembly at the Nanoscale	Hank Ashbaugh, hank@lanl.gov	Kristen A. Fichthorn, fichthorn@psu.edu

WCPT5



WE'RE GETTING READY

Every four years members of the global particle technology community converge to share their latest insights and applications to industrial, academic, and civil problems. The meeting place cycles between three groupings of continents.

WCPT-5 will be held on April 22-27, 2006 in the USA
at the Swan and Dolphin Hotel
in Walt Disney World,
Lake Buena Vista, Florida.

We hope that you will join us.

WCPT-5 will offer a concentrated agenda on particle technology, offer a student conference and introductory seminars for people entering the field, and provide an exposition with displays of the most recent information and hardware resources for making, measuring, processing, and handling all types of particles.

WHAT WILL HAPPEN AT WCPT-5?

A Student Conference will be provided just before the Congress by the Particle Engineering Research Center (University of Florida, Gainesville). Details will be provided at a later date. The Technical Program will be built around five tracks of discussion, which will be represented in concurrent meeting sessions. You may follow one track or mix tracks.

- * Particle and Bulk Powder Characteristics
- * Particle Design, New Technologies, and Industrial Applications
- * Powder Handling and Multi-Phase Flow
- * Solid-Fluid Separation Processes
- * Education

In addition, a growing amount of research in the area of nanoscience and engineering will show how this interdisciplinary field has taken the powder world by storm in all countries, developing new physics and chemistry to enhance powder processing.

Abstract Requirements: Contributions will be invited for both oral and poster presentations. People who wish to make presentations will have to submit a proposal-to-present form, which will have spaces for the title, author names, and a 200-word summary of the presentation. The proposal will be due by September 1, 2005. Notices of acceptance will be issued by November 1, 2005.

URL: <http://www.erpt.org/wcpt5/default.htm>

21st Zurich Short Courses

**March 22-26, 2004
Zurich, Switzerland**



**Hosted by the Swiss Federal Institute of Technology
(ETH in Zurich)**

The courses are organized in a modular form as intensive introductory courses for persons having basic knowledge of fluid mechanics, heat transfer, and numerical techniques, but also serve as advanced courses for specialists wishing to obtain the latest information.

Several lectures have been updated and completely new lectures added this year.

Part I, Bases has been updated again and modified to emphasize the latest modeling and computational aspects of multiphase flows. Flows in micro-channels and molecular dynamics have been added this year.

The New Reactor Systems and Methods part reviews the most recently proposed advanced reactor system designs (such as those in Generation IV) and introduces the state-of-the-art and beyond in modeling and simulation methods for core design and accident analysis.

The module on Computational Multi-Fluid Dynamics (CMFD) reflects the growing interest in the application of CFD techniques to multi-phase flows. The module has been expanded this year to cover most new computational techniques.

The emphasis in these courses is on:

- * A condensed, critical and updated view of basic knowledge and future developments, in relation to systems and phenomena encountered in industrial applications
- * Trends in modeling, design, analysis, computational techniques, CFD and CMFD methods
- * Sources of information, data and correlations
- * Availability and limitations of modern modeling and computational techniques and codes
- * Transfer of knowledge from one area of applications to another

You will find detailed information about the course, as well as a registration form, in <http://www.lkt.mavt.ethz.ch/courses/multiphase/Short-Course.html>

Gordon Research Conference

Granular and Granular-Fluid Flow
June 27 – July 2, 2004
Colby College, Maine, USA



TOPICS

- Granular physics
- Theory and transitions
- Large scale flows
- Suspensions
- Patterns
- Dense flows

INVITED SPEAKERS

- R. Behringer
- A. Goldshtein
- L. Mahadevan
- S. Nagel
- F. Spahn
- C. Wassgren
- E. Clément
- T. Halsey
- O. Pouliquen
- J. Parsons
- P. Umbanhowar
- E. Weeks
- M. Dijkstra
- D. Iverson
- D. Rothman
- T. Shinbrot
- M. van der Hoef
- I. Goldhirsch
- D. Lohse
- P. Mucha
- L. Silbert
- N. Wagner

ORGANIZING COMMITTEE

- M. Louge (Chair)
- C. Hrenya (Vice Chair)
- A. Hosoi
- W. Losert
- T. Pöschel
- T. Shinbrot

On-line application: <http://www.grc.uri.edu/attend.htm>

Web site: http://web.mit.edu/peko/www/granular_GRC_2004.html

ICBMH '04



8th International Conference on Bulk Materials Storage, Handling and Transportation

July 5-8, 2004

University of Wollongong, Australia

<http://www.uow.edu/au/eng/icbmh/>

Based on the 100 abstracts received to date, ICBMH '04 is shaping up to be an extremely interesting and useful event. For example, the papers will be covering the following main topic areas

- ❖ Environmental Technology
- ❖ Feeding Technology
- ❖ Flow Monitoring and Measurement
- ❖ Flow Properties
- ❖ Handling and Processing
- ❖ Mechanical Conveying
- ❖ Pneumatic Conveying
- ❖ Storage Facilities and Structures

Also:

- (a) the types of papers will include theoretical/experimental investigations, computer simulations, case and systems studies, latest developments, new products and technologies;
- (b) an interesting mix of academic and industrial authors from 14 countries will be participating in ICBMH '04: Australia, Austria, Chile, Germany, India, Israel, Japan, New Zealand, Norway, P.R. of China, South Africa, The Netherlands, U.K. and U.S.A.

The networking opportunities will be amazing – something any "powderhead" should not miss !!

Don't be left behind, join us at ICBMH '04 !!

9th World Filtration Conference



The American Filtration and
Separations Society presents the

9th World Filtration Congress, April 18-22, 2004

Plus

Membrane Workshop, April 23-24, 2004

Hyatt Regency

New Orleans, Louisiana, USA

Largest Filtration and Separation Event Ever

300 Technical Papers (100 in membrane separation/processes) in
66 Technical Sessions presented by delegates from 33 countries

Details in www.wfc9.org/WFC9_PreProgram.pdf

2-1/2 Day Exposition – Technology and Product Showcase

**4 Short Courses - Liquid/Gas Filtration,
Automotive and Centrifugation**

Membrane Workshop–Fundamentals, Applications, Bioseparations
By European Membrane Soc. & North Am. Membrane Soc. Experts

Full spouse Program

For Exposition booth reservation, contact Dr. Wallace Leung at
wallace.leung@bakerhughes.com, wfleung@aol.com, Tel: 001-508-
668-0400 x226, Fax: 001-508-668-6855, www.wfc9.org/exposition.htm

Register for the WFC9 conference at www.wfc9.org/registration.htm

Visit www.wfc9.org for full details

Conference: Product Design in Particle Technology



Organizer:

Fraunhofer Institute for Chemical Technology (ICT)
Verein Deutscher Ingenieure VDI (German Engineer Society)

Location:

Fraunhofer Institute for Chemical Technology (ICT)
Joseph-von Fraunhofer-Str. 7
D-76327 Pfinztal
Germany

Chairman:

Dr.-Ing. Ulrich Teipel
Fraunhofer Institute for Chemical Technology (ICT)
Phone: +49 721 4640 381
Fax: +49 721 4640 581
e-mail: te@ict.fhg.de
www.ict.fraunhofer.de

Date:

June 17 – 18, 2004

Abstract submission deadline:

Title, names of authors, 300 words abstract, 5 keywords
November, 2003

Notification to authors:

December, 2003

Printable manuscripts:

March 15, 2004

Upcoming Conference Calendar



2004

PARTEC 2004

March 16-18, 2004, Nuremberg, Germany

Abstract Deadline: May 1, 2003

Website: <http://www.ptl.ethz.ch/partec2004/>

21st Series: Modeling and Computation of Multiphase Flows

March 22-26, 2004, Zurich, Switzerland

Website: www.lkt.mavt.ethz.ch/courses/multiphase/Short-Course.html

Crystallization Process Development

April 5-7, 2004, Anaheim, CA

Two short courses: Fundamentals of CPD and Design issues in CPD

Website: www.cwbtech.com/short_courses.html

World Filtration Congress 9

April 19-22 and 18, 23, 24, 2004, New Orleans, LA

Manuscript and Registration Deadlines: passed

Presentation Deadline: April 5, 2004

Website: www.wfc9.org

International Powder & Bulk Solids Exhibition

May 3-6, Rosemont, IL

Endorsed by the Particle Technology Forum

Website: www.powershow.com

2nd International Conference on Population Balance Modelling

May 5-7, Valencia, Spain

Abstract Deadline: passed

Full Paper Deadline: March 1, 2004

Website: <http://biomath.ugent.be/PBM2004>

11th International Conference on Fluidization

May 9-14, 2004, Ischia Island (Bay of Naples), Italy

Email: info@eci.poly.edu



5th International Symposium on Mixing in Industrial Processes

June 1-4, 2004, Seville, Spain

Manuscript Deadline: February 27, 2004 (*or Passed?*)

Registration Deadline for Authors: March 26, 2004

Final Registration Deadline: April 16, 2004

Website: www.polymtl.ca/ismip5/

6th UK Particle Technology Forum

June 15-16, 2004, University College, London, England

Website: www.chemeng.ucl.ac.uk

2nd International Granulation Workshop

June 22-25, 2004, University of Sheffield, England

Early Registration Deadline: May 1, 2004

Website: www.shef.ac.uk/granulation/

Gordon Conference on Granular and Granular-Fluid Flows

June 27-July 2, 2004, Colby College, Waterville, Maine

Website: http://www.mit.edu/peko/www/granular_GRC_2004.html

8th International Conference on Bulk Materials Storage, Handling, and Transportation

July 5-8, 2004, Woolongong, NSW Australia

Abstract Deadline: passed

Final Papers Deadline: April 30, 2004

Website: <http://www.uow.edu.au/eng/icbmh/>

XXI International Congress of Theoretical and Applied Mechanics

August 15-21, 2004, Warsaw, Poland

Abstract Deadline: passed

Website: <http://ictam04.ippt.gov.pl>

2nd Biennial Symposium and Summer School on Nano and Giga Challenges in Microelectronics Research and Opportunities

September 13-17, 2004, Cracow, Poland

Abstract Deadline: April 15, 2004

Paper Deadline: September 1, 2004

Early Registration Deadline: March 15, 2004

Website: www.asdn.net/ngcm2004



AIChE Annual Meeting

November 7-11, 2004, Austin, TX

Papers and Posters Deadline: May 1, 2004

Website: <http://www.aiche.org/conferences/annual/>

PTF Sessions at the 2004 Annual Meeting

November 7-11, 2004, Austin, TX

2005

8th International Conference on Circulating Fluidized Beds

May 10-13, 2005, World Trade Center, Hangzhou, China

Abstract Deadline: May 1, 2004

Website: <http://ceee.zju.edu.cn/CFB8>

7th World Congress of Chemical Engineering

July 10-14, 2005, Glasgow, Scotland

Website: www.chemengcongress2005.com

Powders and Grains 2005

July 2005, Stuttgart, Germany

Email: hans@ical.uni-stuttgart.de

AIChE Annual Meeting

November 2005, Cincinnati, OH

(details will be available in January or February 2005)

2006

The Fifth World Congress on Particle Technology

April 22-26, 2006, Orlando FL

Abstract Deadline: September 1, 2005

Annual AIChE Meeting

November 12-17, San Francisco Hilton, San Francisco, CA

(details will be available in February 2005)

Officer and Committee Listing

Officers:

Chair 2002-2004: Dr. Ralph D. Nelson, erptmged@aol.com, 302-239-0409
Vice-Chair 2002-2004: Professor Alan Weimer, alan.weimer@colorado.edu, 303-492-3759
Immediate Past Chair 2000-2002: Prof. George Klinzing, klinzing+@pitt.edu, 412-624-0784
Secretary 2002-2004: Professor Hugo Caram, hsc0@lehigh.edu, 610-758-4259
Treasurer 2002-2004: Prof. Richard Turton, turton@cemr.wvu.edu, 304-293-2111, ext. 2145

Liaisons:

Academic 2004-2006: Professor Hugo S. Caram, hsc0@lehigh.edu 610-758-4259
Academic 2004-2006: Professor Brij Moudgil, BMoudgil@erc.ufl.edu 352-846-1194 x 225
Academic 2000-2004: Professor Richard Turton, turton@cemr.wvu.edu, 304-293-2111
Academic 2000-2004: Professor Thomas R. Blake, blake@ecs.umass.edu, 413-577-6606
Industry 2004-2006: Professor Manuk Colakyan, colakymc@dow.com, 304-747-4580
Industry 2004-2006: Dr. Costas Coualoglou, costas.a.coualoglou@exxonmobil.com
Industry 2000-2004: Dr. Paul Mort, mort.pr@pg.com, 513-627-8876
Industry 2000-2004: Dr. Shrikant Dhodapkar, sdhodapkar@dow.com, 979-238-7940
AIChE-CTOC: Esin Gulari, egulari@nsf.gov, 703-292-7026
AIChE Staff Associate: Mr. Richard Green, richg@aiche.org, 212-591-8677

Standing Committees (Chairs):

Awards Committee 2002-2004: Professor Alan Weimer, alan.weimer@colorado.edu,
303-492-3759
Membership: Dr. Manuk Colakyan, colakymc@ucarb.com, 304-747-4580
Newsletter Editor: Professor Christine Hrenya, hrenya@colorado.edu, 303-492-7689
Nominations: Professor George Klinzing, klinzing+@pitt.edu, 412-624-0784
Recognition: Dr. Reg Davies, rdavies@erc.ufl.edu, 302-235-7468
Educational Resources for Particle Technology: Prof. George Chase, gchase@uakron.edu,
330-972-7943

Technical Programming Area Liaison and Group Chairs

The main focus of the PTF has been arranging for the extensive technical programs at the annual AIChE meeting in November. A lot of hard work goes into developing session themes, negotiating for sufficient time and reasonable scheduling of the sessions, attracting and screening papers, finding and training new session chairs, and making sure the whole process flows smoothly. Shrikant Dhodapkar, our Area 3 Liaison, attends an all-day session each January to plan the technical sessions at the Annual Congress and to arrange for co-sponsored sessions with other Divisions and Forums. Participation in this process is excellent training in and proof of management capabilities. The leaders selected this fall were

<u>Position</u>	<u>Person</u>	<u>Affiliation</u>
Area 3 Liaison	Dr. Manuk Colakyan	The Dow Chemical Co.
Area 3 Vice Liaison	Dr. Ralph D. Nelson, Jr.	DuPont, retired
<i>Group 3a – Particle Production and Characterization</i>		
Chair	Dr. Paul Mort	Procter & Gamble Co. ITC
Vice Chair	Prof. Rajesh N. Dave	New Jersey Inst. of Techn
<i>Group 3b – Fluidization and Fluid-Particle Systems</i>		
Chair	Prof. T.C. Ho	Lamar University
Vice Chair	Dr. Ray Cocco	The Dow Chemical Co.
<i>Group 3c – Solids Flow, Handling, and Processing</i>		
Chair	Prof. Joe McCarthy	Univ. of Pittsburgh
Vice Chair	Vacant	
<i>Group 3d - Nanoparticles</i>		
Chair	Prof. Rajesh N. Dave	New Jersey Inst. of Techn
Vice Chair	George Fotou	Cabot, Inc
<i>Group 3e – Energetic Materials</i>		
Chair	Bruce Cranford, P.E.	EMF Co.
Vice Chair	Chester Clark	Naval Surface Warfare Center



Report from the Treasurer

American Institute of Chemical Engineers Particle Technology Forum Income Statement For Period of January 1 – December 31, 2003

The following report is split into two separate sections. The first table details transactions associated with the checking account that is administered by the treasurer (me). The second table reflects the funds administered by AIChE headquarters. The combination of the funds in these two accounts represents PTF's total assets.

PTF Checking Account

Balance as of 01/01/03 from PTF Newsletter		\$ 13,998.86
Transferred to Morgantown account 1/30/2003 and 7/28/2003	\$(13,857.86)	
Cost of transfers	\$ (41.00)	
Balance remaining in Colorado Account as of 12/31/03		\$ 100.00
Balance in Morgantown Account		\$ 13,857.86
Entre Computer Center - 12 mo web site services	2/6/03 \$ (239.40)	
Check charge from Clarke checking products	2/26/03 \$ (56.75)	
University of Colorado - PTF newsletter costs	4/15/03 \$ (637.52)	
Yank Sing Rest - Deposit for PTF Dinner SF 2003	4/16/03 \$ (2,000.00)	
University of Pittsburgh - PTF/WCPT5 Brochure Publishing Costs	4/25/03 \$ (751.00)	
Entre Computer Center - 6 mo web site services	5/22/03 \$ (119.70)	
University of Colorado - PTF newsletter costs	10/27/03 \$ (188.83)	
University of Colorado - PTF newsletter costs	10/27/03 \$ (56.18)	
Yank Sing Restaurant	11/12/03 \$ (2,986.63)	
Entre Computer Center - 6 mo web site services	11/12/03 \$ (119.70)	
Yank Sing Restaurant - final payment	11/18/03 \$ (1,850.70)	
V. Subramanian - 1st place Poster Presentation - AIChE SF	12/5/04 \$ (300.00)	
J. Jung - 2nd place Poster Presentation - AIChE SF	12/5/04 \$ (200.00)	
E. Rivera - 3rd place Poster Presentation - AIChE SF	12/5/04 \$ (100.00)	
Rajesh Dave - reimbursement for vegetarian PTF dinner	12/5/04 \$ (28.00)	
Balance of Morgantown Account as of 12/31/03		\$ 4,223.45
Payment to AIChE headquarters to establish a \$2500 balance	01/16/04 \$ (1,723.45)	\$ 2,500.00

AIChE Headquarters Account

Balance as of 01/01/03		\$ (4,207.42)
Dues Received	\$ 3,170.00	
Division Dinner Receipts	\$ 6,844.00	
Award Plaques	\$ (862.54)	
AVW charges	\$ (453.30)	
Corp Contribution - Shell	\$ 1,000.00	
Corp Contribution - Fluor	\$ 2,000.00	
Corp Contribution - DuPont	\$ 3,000.00	
PTF Award	\$(1,000.00)	
Lectureship Award	\$(1,000.00)	
T. Baron Award	\$(1,000.00)	
Best PhD Award	\$ (500.00)	
Fluidized Processes Award	\$(1,000.00)	
Balance as of 12/31/03		\$ 5,990.74

PTF Organizational Information

To complicate things further, the checking account was transferred from Boulder, Colorado, to Morgantown when I took over from Al Weimer as treasurer at the beginning of the year. As of 12/31/03, the Boulder account has a balance of \$100, the Morgantown account has a balance of \$4,223.45, and the account at AIChE HQ has a balance of \$5,990.74. The beginning and end of year balances for 2003 are given below and show a net increase in our assets of \$522.75 for the period 01/01/03 to 12/31/03.

Total Assets of PTF as of 01/01/03 = \$ 13,998.86 + \$ (4,207.42) = **\$ 9,791.44**

Total Assets of PTF as of 12/31/03 = \$ 4,223.45 + \$ 100.00 + \$ 5,990.74 = **\$ 10,314.19**

Finally, as requested by AIChE HQ, the balance in our checking account was reduced to \$2,500 by transferring \$ 1,723.45 on 01/16/04 to the PTF account at AIChE HQ.

Respectfully submitted,
Richard Turton, Treasurer, PTF

From the Editor's Desk



The *PTF Newsletter* is published twice a year as a vehicle for communication for all PTF members. PTF members are encouraged to send in news and information of general interest to PTF members. Please address your communication to

Professor Christine M. Hrenya
Department of Chemical and Biological Engineering
University of Colorado
Boulder, CO 80309-0424
Tel: (303) 492-7689; Fax: (303) 492-4341
email: hrenva@colorado.edu

If you would prefer to continue receiving a hard copy of the newsletter instead of the electronic version, please send a note to this effect to the following address:

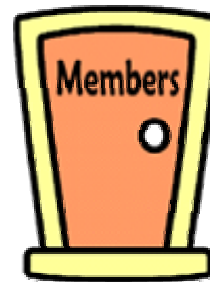
Annette Ngijol
Local Sections & Divisions/Forums Staff Associate
AIChE, 3 Park Avenue
New York, NY 10016
email: anets@aiche.org

Advertisements may also be placed in the newsletter. The rates on a per issue basis are:

1/4 page \$40

1/2 page \$60

Full page \$110



Membership Information

YES, I am interested in the Particle Technology Forum. Please accept my request for membership.

Name _____

Title _____

Company _____

Address _____

City _____ State _____ Zip _____ Country _____

Phone _____ Fax: _____

Are you an AIChE member? Yes ___ No ___ Member # _____

Other Society Affiliations? _____

Credit Card Information Visa _____ Master Card _____

Number _____ Exp. Date _____

Membership rates

___ \$10 AIChE Member

___ \$20 Engineering/Scientific Society Member

___ \$65 Non-Society Member

___ \$5 Student Signature _____

Checks must be payable to American Institute of Chemical Engineers. International money orders are acceptable.

Check must be drawn on a U.S. bank or draft on a foreign bank with a New York City branch.

Mail to: AIChE, Particle Technology Forum

Attn: Document Processing, 3 Park Avenue, New York, NY 10016

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