

AIChE®

Management Insight

Changes in Division Leadership

The election of division officers and directors in late 2011 resulted in several new volunteers taking a more active role in the division.

Diana Matonis became Chair after joining the division leadership in 2011 as Vice Chair. Upon becoming the new Chair, she very well stated that “we should take a minute to thank and applaud John Forgac for a wonderful year of growth and increased collaboration within the division and greater AIChE community” during his tenure as Chair in 2011. John will continue contributing to the division in his role as Past Chair.

Other newly elected officers include Jerry O’Brien as Vice Chair, Touraj Manifar as Secretary, and Bill Welker as Treasurer. Bill previously served the division as Secretary for a few years. Brief biographical information about the new officers is included in pages 6-7 of this newsletter.

The Directors continue to be the same as in 2011 since the two outgoing Directors (Eldon Larsen and Charles Roe) were elected for a new term from 2012 to 2014. A complete list of the division officers and directors is included in the last page of this newsletter.



Diana Matonis



John Forgac

In this issue:

2012 AIChE Spring Meeting	1
Call for Papers—2012 Annual Meeting	3
Meet your Officers	6
Division Leadership	7

2012 AIChE Spring Meeting

Houston, Texas, USA (April 1-5, 2012)

The 2012 AIChE Spring Meeting & 8th Global Congress on Process Safety is being held at the Hilton Americas-Houston and George Brown Convention Center, with the following sessions sponsored or co-sponsored by the Management Division.

Monday, April 2, 2012

7:00 – 9:15 am Spring Meeting Keynote Address (starts with breakfast)
Process Safety and Corporate Responsibility
Michael Dolan, ExxonMobil

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(Continues in page 2)

2012 AIChE Spring Meeting

(Continued from page 1)

Monday, April 2, 2012

9:45 – 11:30 am Patenting Basics: Patents 101

1:30 – 4:30 pm Technology Transfer: From R&D to Deployment

1:40 – 4:30 pm Litigation Perspectives for Chemical Engineers

Tuesday, April 3, 2012

8:30 – 11:15 am Innovation Workshop

8:30 – 11:20 am Young Professionals in Process Development

12:00 – 1:30 pm Industrial Leadership Keynote Luncheon
Frank van Lier, Lubrizol Corporation



MUSINGS ON MANAGEMENT

As recipient of the 2011 Management Division Award, Frank van Lier will emphasize how it is all about the people: hiring, retaining, motivating, getting results.

The Management Division will subsidize this event, requiring only a US\$10 payment to attend this session. Hope to see you there!

1:30 – 3:00 pm Knowledge Management

3:30 – 5:00 pm What Kind of Manager Am I?

Wednesday, April 4, 2012

8:00 – 10:30 am Best Practices in Pilot Plant Development and Operation

You can check more details about the program and schedule by visiting the following link:

<http://aiche.confex.com/aiche/s12/webprogram/05.html>

DIVISION DINNER

Join us for the AIChE Management Division dinner (jointly organized with other groups) at

Downtown Aquarium

410 Bagby St @ Memorial Drive,
Houston, Texas; +1 (713) 223-3474

Tuesday, April 3, 2012 (6:30–9:00 pm)

Management Division Board Meeting

Tuesday, April 3, 2012, 10:30 am to 12:45 pm
Check for exact location at the conference site

Call for Papers—2012 AIChE Annual Meeting

October 28—November 2, 2012

Pittsburgh, Pennsylvania, USA

We encourage submission of abstracts to any of the following sessions sponsored or co-sponsored by the Management Division being held at the Pittsburgh Convention Center (Oct 28 – Nov 2, 2012). To submit an abstract, visit the following link:

<http://aiche.confex.com/aiche/2012/cfp.cgi>

Interviewing Workshop

Hone your interviewing skills and make a solid impression at your next job interview. This interactive session will feature speakers who can teach you the skills you need to get the job you want.

Sponsor: Management Division

Co-Chair: Tasha Desai, tasha.desai@us.henkel.com

Co-Chair: Mosha H. Zhao, mosha.h.zhao@exxonmobil.com, +1 (281) 834-2480

Patent Law Update—What You Need to Know

This partially invited session will provide a fundamental review of the patent procurement process and patent law in general as revised by the 2011 America Invents Act, and is designed for anyone who has any type of interest in the patenting process and/or deals with patents in their work in industry and/or academia. Little or no background knowledge in patents is needed by those intending to attend this session. The session will begin with the very basics of the patenting process as well as providing them with basic terminology. Next, the session will provide a basic synopsis of the patent procurement process with the US Patent and Trademark Office. The session will then focus on portions of a patent most relevant in patent disputes and patent litigation. Case studies involving various patent scenarios will be presented. The session will wrap up with a question and answer session where attendants can ask basic questions dealing with the patent procurement process and patent law in general. This session will provide a foundation for two following patent sessions focusing first on drivers for innovation in energy technology and, next, on litigation for engineers. Abstracts are solicited for case studies from lawyers and engineers with various patent experience.

Sponsor: Chemical Engineering & the Law Forum

Co-Sponsors: Emerging Energy Processes, Alternate Fuels and New Technology, Research and New Technology Committee, Management Division, Nanoscale Science and Engineering Forum, Process Research and Innovation, Sustainable Engineering Forum

Chair: Mary Ellen Ternes, Maryellen.ternes@mcafeetaft.com

Co-Chair: Ralph A. Midkiff, Ralph.Midkiff@chamberlainlaw.com

Innovation from Beginning to End

This is a workshop, with invited speakers, designed to overview the entire research process from conception to project management completion.

Sponsor: Management Division

Co-Sponsors: Career Guidance Committee Liaison, Education

Co-Chair: Eldon R. Larsen, Larsene@marshall.edu

Co-Chair: Jack Hipple, jwhinnovator@earthlink.net, +1 (813) 994-9999

*Submissions of abstracts
for the 2012 AIChE
Annual Meeting are
accepted until
May 2, 2012*

*For questions about any
of the sessions, please
contact the Chair or Co-
Chair listed.*

Call for Papers—2012 AIChE Annual Meeting

(Continued from page 3)

Know Your Personality Type

Starting your career? What kind of employee will you be? Or maybe you're at the point of becoming a manager. How will you handle difficult situations? Understanding your personality can help to answer these and other questions you may have as you progress on your career path.

Sponsor: Management Division

Co-Chair: Jack Hipple, jwhinnovator@earthlink.net, +1 (813) 994-9999

Co-Chair: Kristine Chin, krisc@aiiche.org

Managing Creativity for Internal and Open Innovation

The purpose of this session is to give the attendee solid recommendations for using newly developed tools to accelerate product and process development through product launch. The general themes are Stage Gate Process and Open Innovation. We are looking for papers with a significant bias toward those who have used both techniques in parallel to reduce time-to-market. An example of a paper that would fit ideally in this session; Open Innovation by definition pulls ideas from all areas inside and outside your organization, explain how an engineer can decrease time-to-market by tapping in to these additional resources.

Sponsor: Process Research and Innovation

Co-Sponsors: Management Division, Technology Transfer and Manufacturing

Chair: Kurt Schneider, kurt.schneider10@gmail.com

Co-Chair: Tom Enright, tom.enright@xerox.com, +1 (905) 823-7091

So You Got Your PhD, Now What?

You've worked hard to get your PhD, but what to do next? Get a job in industry? Go into academia? Hear from fellow PhDs and see what may lie ahead in your future.

Sponsor: Management Division

Co-Chair: Gavin Towler, Gavin.Towler@uop.com, +1 (847) 391-2788

Co-Chair: Sarah Widder, sarah.widder@pnl.gov

Leadership Skills Workshop

What skills does it take to become an effective leader? This interactive session will feature speakers who will share their experiences at various stages in their career.

Sponsor: Management Division

Co-Chair: Gavin Towler, Gavin.Towler@uop.com, +1 (847) 391-2788

Co-Chair: Nicole Brazier, nbrazier@barrick.com

Project Management: What's New? What Works?

Tutorial session on important elements of project management designed to help new project managers and those interested in project management to understand important skills and issues related to this management area.

Sponsor: Management Division

Chair: Eldon R. Larsen, Larsene@marshall.edu

(Continued from page 4)

Managing Your Career Path

Do you have ambition and drive to move from a cubicle to the corner office? This session will offer ideas on how to best manage your career path.

Sponsor: Management Division

Chair: Diana Matonis, dmatonis@flucomp.com

Co-Chair: Isa Mbaraka, imbaraka@dow.com

Challenges and Best Practices in Technology Commercialization

This session is devoted to technology transfer from R&D to commercial manufacturing, including case studies and best practices. Topics include staffing and roles to insure effective knowledge transmission, getting early feedback on design and operability of proposed new systems by linking R&D / process and project engineering / manufacturing operations. Also includes safeguarding, optimization and control (learning from lab and pilot experience), and development of effective operating procedures and data monitoring and management.

Sponsor: Technology Transfer and Manufacturing

Co-Sponsor: Management Division

Chair: Juben Chheda, juben.chheda@shell.com

Co-Chair: Pradeep Suresh Babu, pradeep.suresh@dow.com, +1 (979) 238-9146

Climate Change and Sustainable Development Legal Update

Climate Change Law and Policy were impacted greatly in 2011 and 2012 by the many developments, including COP17 - 17th Conference of the Parties, 2011, Durban, South Africa, resolution of legal challenges to the U.S. EPA's Clean Air Act Greenhouse Gas Regulation, and California's AB32 Cap-and-Trade statute. Closely related to these developments are the global sustainable development mandates now adopted around the world, which will have significant impacts on purchasing and sourcing materials for engineering projects. This panel session will review all the recent legal and regulatory developments in the area of climate change and sustainable development.

Sponsor: Climate Change

Co-Sponsors: Emerging Energy Processes, Air, Legislation and Regulation, Sustainability, Research and New Technology Committee, Management Division, Sustainable Energy, Sustainable Engineering Forum

Chair: Mary Ternes, maryellen.ternes@mcafeetaft.com

Co-Chair: Richard Siegel, Richarddsi@aol.com

Current Law and Policy Driving Chemical Engineering Research

The Legal Community and Government issued Policies, Regulations and Mandates drive both basic science and applied engineering research more so today than ever before. In particular, the EPA and progressive Energy Policy of each Administration has opened many new opportunities from material science to commercially viable solutions. This session will address these drivers for chemical engineering research which includes an update on carbon policy driving greater energy efficiency, low or no carbon technologies, and carbon sequestration. Newly identified issues include the confluence of extreme water shortages and water intensive industrial activities driving new mobile water treatment research and applications, EPA's lowering of perchloroethylene toxicity, and others. Abstracts are solicited for case studies from lawyers with relevant policy experience to engineers with experience in responding to federal grant announcements, venture capital, angel investor or industry based solicitations driven by these new Laws or Government issued Policies, Regulations and Mandates.

Sponsor: Chemical Engineering & the Law Forum

Co-Sponsors: Graduate Education, Young Faculty Forum, Alternative Energy and Fuel Cells, Emerging Energy Processes, Climate Change, Environmental Division, Sustainability, Management Division

Chair: Mary Ellen Ternes, maryellen.ternes@mcafeetaft.com

Co-Chair: Diana Matonis, dmatonis@dcpmidstream.com

Call for Papers—2012 AIChE Annual Meeting

(Continued from page 5)

Hot Topics in Legislation and Regulation

This partially invited session will summarize all the latest and most significant developments in legislation and regulation creating mandates that drives chemical engineering research and innovation. For example, every time EPA requires lower emission concentrations, lower mass discharge rates, or recognizes higher toxicities or exposure rates regarding certain chemical constituents, the cost of compliance resulting from these legal mandates may drive a need for different approaches and thus, new solutions that can be identified through research. Carbon and Energy policy, as well as resource limitations and legal resource allocations, have the same result. This panel session will highlight these most recent developments and legal drivers.

Sponsor: Legislation and Regulation

Co-Sponsors: Chemical Engineering & the Law Forum, Air, Climate Change, Environmental Division, Water, Research and New Technology Committee, Management Division, Nanoscale Science and Engineering Forum, Sustainable Energy

Chair: Mary Ellen Ternes, maryellen.ternes@mcafeetaft.com

Meet your Officers

Diana Matonis, Chair

Senior Asset Engineer
DCP Midstream

Diana has over twenty years of combined experience working in the oil, coal, and natural gas industry. She started her career as a computer engineer and chemist at BP's (Amoco) Whiting Refinery and has held R&D positions at Argonne National Laboratory and at the Gas Technology Institute (GTI) prior to her current position. Diana's education includes a B.S. in Chemistry, and M.S. and Ph.D. in Chemical Engineering from Illinois Institute of Technology, and an MBA through the Executive MBA Program at the University of Illinois Urbana-Champaign College of Business.

Jerry O'Brien, Vice Chair

President
Process Data Control Corporation

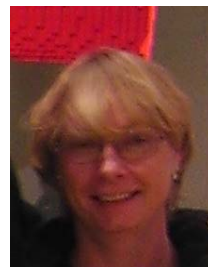
Jerry is a founding partner of Process Data Control Corporation. He worked for consulting engineering firms such as CDM and Brown and Caldwell before starting his own firm in 1986. His primary interest

at PDC Corporation has been the development of information technology to optimize and keep records for business processes that include regulatory compliance, safety and health, legal services, human resources, and other areas. Jerry received undergraduate degrees from the departments of Architecture and Psychology at the State University of New York at Buffalo and earned a M.S. degree from Rensselaer Polytechnic Institute.

Touraj Manifar, Secretary

Project Manager
Tyne Engineering Inc.

Prior to his current position, Touraj worked as a process engineer at Pav Inc. and then at Apotex Pharmachem Inc. while pursuing his Ph.D. At Tyne Engineering he is involved in the development of a process to remove tritium from contaminated heavy water in nuclear reactors and power plants. Touraj graduated from Sharif University of Technology in chemical engineering, and then obtained a M.S. in biotechnology and Ph.D. at the University of Western Ontario. He is also currently an adjunct professor at the University of Western Ontario where he conducts research on novel nano/bio sensors.



Diana Matonis



Jerry O'Brien



Touraj Manifar

(Continues in page 7)

Meet your Officers

(Continued from page 6)

William S. Welker, Treasurer
Manager, I.S. Project Implementation
Nestlé USA

Bill has over 30 years of experience in Food Manufacturing and Supply Chain Management, including several international assignments, at Nestlé Purina Europe, Brach's Confections Asia Pacific, Frito-Lay, Inc., and Hunt-

Wesson Foods. Bill served as Plant Engineer for Frito-Lay's factories in Kirkwood NY and Chamblee GA, and Production Manager at the plant in San Jose, CA. During his time with Brach's Confections, Bill served as VP of Operations for Asia Pacific, based in Singapore and Hong Kong, and was responsible for the construction of a chocolate manufacturing facility in China. He has also served as Director of Nestlé Purina's European Supply Chain. Bill obtained his B.S. in Chemical Engineering from Cornell University.



William S. Welker

Management Division Leadership (2012)

Officers

Chair	Diana Matonis DCP Midstream	dmatonis@flucomp.com +1 (708) 645-6855
Vice Chair	Jerry O'Brien Process Data Control Corporation	jerry@pdccorp.com +1 (817) 459-4488 ext 205
Secretary	Touraj Manifar Tyne Engineering Inc.	tmanifar@gmail.com +1 (905) 625-0697
Treasurer	William S. Welker Nestlé USA	bill.welker@us.nestle.com +1 (818) 551-3544

Past Chair

Past Chair	John Forgac BP	john.forgac@bp.com +1 (630) 420-4960
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