



AIChE[®] Management Insight

Management Division Highlights:

Division Initiatives in 2018

As I mentioned in the February 2018 issue of our newsletter, thanks to the efforts by Joe Porcelli as newsletter editor, we restarted issuing newsletters this year to keep you better informed of our current activities. In this issue you will find information about the 2018 Division Service Award, 2018 Management Award, and actions and plans resulting from the survey we conducted last year.

I also want to share with you information about some current initiatives. In addition to the news we provide through our website (<https://www.aiche.org/community/sites/divisions/management>), we created a LinkedIn group for the Management Division a few months ago to try to reach interested participants that may not be members of AIChE yet. We already have 46 members in the group and hope to continue to grow so that we can disseminate information about our activities to a broader audience. If you have not joined our LinkedIn group yet, please do so by visiting the following link: <https://www.linkedin.com/groups/12101021>

Another current initiative is to invite recent chemical engineering graduates to become members of the Management Division without paying dues through 2019, and our goal is to develop activities of interest to provide value to young professionals (YPs) so that these new members want to participate and remain engaged. This is coupled with an effort led by our Director Quinta Warren to recommend use of division funds to promote YP participation.

As some of you may be aware, the Management Division Board has monthly conference calls. We welcome attendance to our conference calls by anyone interested in becoming active in the division; participation is not limited to Board members. Please write to me at fja@htri.net if you want to get more involved and participate in our monthly calls. In addition, Mark Swientoniewski, Division Past Chair and current Chair of the Nominating Committee is looking for nominees to run for 2019 officer and director positions. Anyone interested can write directly to him at mswientoniewski@stratag.org.

I welcome your suggestions and ideas to better meet the needs and interests of all division members.

Fernando J. Aguirre, PhD, PE, FAIChE
Chair, AIChE Management Division

Inside this issue:

Division Initiatives in 2018	1
Status of Division Survey Effort	2
Letter from Donna Bryant, new Programming Chair	3
Eldon R. Larsen—2018 Management Service Awardee	4
Gayle J. Gibson—2018 Management Award Recipient	5
2018 Annual AIChE Meeting Management Division Sessions	6–8
2019 Spring AIChE Meeting—Preliminary Program	9
Division Leadership	10

Status of Division Survey Effort

The Executive Committee of the AIChE Management Division wants to find out if members are seeing value with their membership to the Management Division. In the fall of 2017 a survey of chemical engineers was undertaken to explore and best gauge its effectiveness in reaching those currently fulfilling a management role, as well as understand who may no longer be active within Management Division itself, but retain a management role and previously participated within the Management Division.

The February 2018 issue of Management Insights contained some of the results of the survey, and a link to the full survey: <https://www.aiche.org/community/sites/divisions/management/survey>. The following describes some of the actions taken based on the answers to the survey.

Provide communications with the MD membership

- A Management Division (MD) Newsletter is being sustained by the generous commitment of time and effort by Dr. Joe Porcelli. Thank you Joe for your commitment. If you have input to the newsletter or would like to offer newsletter content, contact Joe at jvpjii@jvporcelli.com.
- An AIChE Engage discussion forum community is coming soon to a group of active volunteers.

A meet and greet session with experienced MD members.

- This idea has been implemented. A joint Sunday evening session with the Young Professional Committee (YPC) during the annual fall conference is available for MD membership to network with each other and young professionals.

A panel discussion open for MD membership to ask questions of the experienced MD membership. The panel discussion could be captured as a webinar and posted to the MD website.

- The MD needs a volunteer to make this idea a reality.

Provide information of interest to Entrepreneurship and Management Consulting.

- Invite a manager in this area to speak to their experiences. Record this interview or session and post to the MD website. The MD needs a volunteer to make this idea a reality.

Link other AIChE content of interest to MD members to the MD webpage.

- The MD needs a volunteer to make this idea a reality

What ideas do you have to improve the Management Division? We would like to hear from you?

Mark Swientoniewski, Past Chair

Letter from Donna Bryant—New Management Division Programming Chair

Hello everyone!

My name is Donna Bryant and I am taking over the Management Division Programming Chair from Joe Cramer this year. I have some big shoes to fill, but I will do my best to do it.

As Management Division Programming Chair I will help to make sure our session ideas get put into the system and have volunteers to run the events at the conference. I will be the main organizer of the sessions, but need everyone's help to come up with ideas for these sessions and make them happen!

I have been working for Syngenta for the past 7 years in a wide variety of engineering roles, but have currently moved into my first management role, Environmental Operations Unit Superintendent, 1 ½ years ago. Based on the number of things I have been learning during this time- managing people, understanding how and when to improve technology for the unit, working with a budget, and leading the unit culture, I have come up with some sessions I think would be good for young managers and engineers that want to be managers. Some of these sessions have been held at past conferences Transitioning from Engineering to Management- Spring 2017, Managing projects and yourself- Spring 2018, while some will be coming into fruition soon- Managing Continuous Improvement- Spring 2019.



While I have come up with these specific ideas, we have a whole team that have helped to brainstorm new ideas for sessions and help to put them together. The sessions we have developed/are developing are focused around new managers as well as discussing topics that will help existing managers.

The programming group has just met and determined sessions for the Spring 2019 meeting in New Orleans. These sessions are: **Ethical Issues in Safety; Lessons Learned from the Industrial Practice of the Open Innovation Model for the Development of New Products; Managing Continuous Improvement in the Workplace; Turning an Idea into a Reality: Developing a Company; Managing yourself: Reinventing yourself for your next role.** All of these sessions are now open to accept papers until November 12th! If you are interested in presenting in any of these session, please put in an abstract (summary of what you would like to talk about) into these sessions or getting involved with any of these sessions let me know. If you also would like to help with the programming process or interested in becoming the Co-chair for programming let me know. I can be contacted at Donna.Bryant@Syngenta.com.

Thanks,

Donna

Eldon R. Larsen—2018 Management Service Awardee

Eldon R. Larsen was the recipient of the 2018 Management Division Service Award. He is a professor and coordinator of the Master of Science in Engineering program at Marshall University. The nomination emphasized his service as a sustaining leader of the Division and being its most prolific contributor of high quality programming at national meetings, specialty conferences, and webinars for more than 15 years. Through his efforts, Larsen has established himself as an authority on project management and as an outstanding educator and advocate for AIChE's Management Division. The award was presented at the joint dinner of the Management and Environmental Divisions and the Chemical Engineering & the Law Forum during the AIChE Spring Meeting in Orlando, Florida (April 24, 2018).



Eldon R. Larsen (left) receives award plaque from Fernando J. Aguirre, Management Division Chair (right).

Larsen has served the division in many capacities. He was Chair of the division in 2006, during a period when the division was undergoing an effort to survive and reinvent itself. In the year preceding and after serving as chair, he contributed in the roles of Vice Chair and Past Chair respectively. Larsen has also served as Director of the division for several periods (2009-2011, 2012-2014, and 2016-2018). He was a member of the organizing and planning committee for three Management Conferences and has contributed as a presenter or panelist in the Careers in Management session offered annually by the division at the AIChE Annual Student Conference.

Gayle J. Gibson selected as 2018 Management Award Recipient

Gayle Gibson, retired Director of Engineering for E.I. du Pont de Nemours & Company, Inc. was selected as the recipient of the 2018 Management Award. The award will be presented at the AIChE Annual Meeting on October 30, 2018 in Pittsburgh, Pennsylvania. Gayle will give a talk titled “Leading Engineering through Company Transformation”, which deals with her role to ensure strong engineering capability during the DowDupont merger and planned evolution into three separate companies. The Management Award is sponsored by The Dow Chemical Company.

As the award criteria states, she has “demonstrated outstanding accomplishments and achievements that have markedly benefited both society and the profession of chemical engineering”. Her achievements are reflected in a 34 year career, retiring at the end of 2017 as the head of Engineering at DuPont. Contributions included engineering design, process engineering, research and development, product and process development, manufacturing supervision, market development, business strategy, and growth and supply chain improvement. She served as a Director reporting to the CEO prior to becoming Director of Engineering.

A certified Six Sigma Champion, Gayle holds a Bachelor of Science in chemical engineering from Texas A&M University and a Master of Business Administration from the European University in Geneva, Switzerland. During her career she benefited society and the profession including:

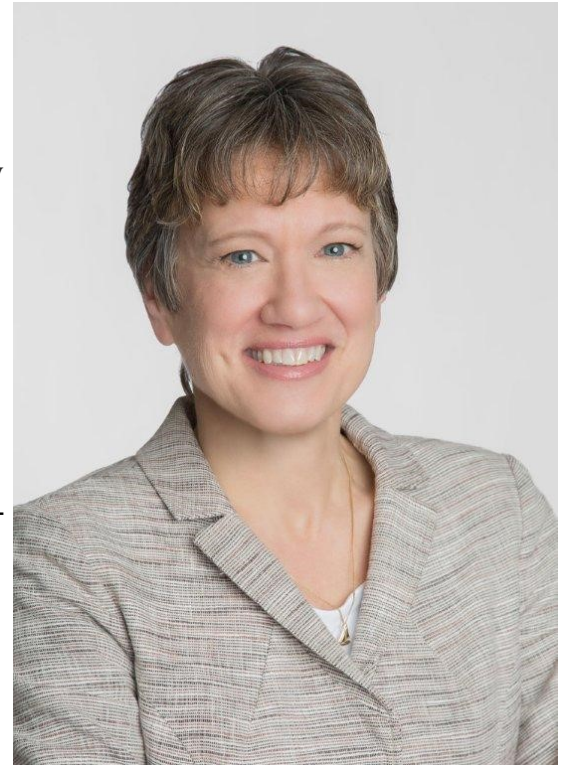
- Engineering Advisory Council for Texas A&M University

- As committee member, guided implementation of K-12 engineering education (National Academy of Engineering)

- Board member, National Action Council for Minorities in Engineering

- Active in AIChE as a member, speaker, fund raiser, and Fellow and lifetime member

- Speaker and volunteer in various groups or activities such as girl scouts, STEM, Society of Women Engineers, and sponsor of DuPont LGBT resource group



2018 AIChE Annual Meeting Management Division Sessions

Monday, October 29, 2018
8:00 to 10:30 am

FEW Nexus: Emerging Chemical Engineering Innovations from Micro-Scale Innovations to Complex, Interconnected Systems

(Invited Talks)

Fengqi You, Cornell University, Ithaca, NY,

Dale Keairns, Deloitte Consulting LLP, Pittsburgh, PA and

Nada Marie Anid, School of Engineering and Computing Sciences, New York Institute of Technology, New York, NY

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- 317

Using the Brains of Others to Innovate Faster

Jack Hipple, TRIZ and Engineering Training Services, Tampa, FL

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- 331

11:00 am to 12:30 pm

The Future of Energy in the Region, Nation and World

(Invited Talks)

J. Karl Johnson, Department of Chemical & Petroleum Engineering, University of Pittsburgh, Pittsburgh, PA and

Cliff Kowall, Process Innovation & University Collaboration, The Lubrizol Corporation, Wickliffe, OH; Process Development Department, Process Innovation & University Collaboration, Wickliffe, OH

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12:30 to 3:00 pm

Managing Yourself: Reinventing Yourself for Your Next Role

Donna Bryant, Syngenta, Baton Rouge, LA

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- 331

(Continued on next page)

2018 AIChE Annual Meeting Management Division Sessions—Continued

Monday, October 29, 2018

3:30—6:00 pm

Chemical Engineers and Policy-Making

Quinta Warren, Engineering Research Consulting, Houston, TX; Fossil Energy, US Department of Energy, Washington, DC

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- 331

World Cafe: Food-Energy-Water Nexus

(Invited Talks)

Leslie M. Shor, Department of Chemical and Biomolecular Engineering, University of Connecticut, Storrs, CT,

JoAnn S. Lighty, Boise State University, Boise, ID,

Nada Assaf-Anid, School of Engineering and Computing Sciences, New York Institute of Technology, New York, NY and

Dale Keairns, Deloitte Consulting LLP, Pittsburgh, PA

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- 317

Tuesday, October 30, 2018

8:00 to 10:30 am

Innovation from Beginning to End: Generating Ideas, Working with People, and Managing Projects

Eldon Larsen, AIChE Management Div. and **Jack Hipple**, TRIZ and Engineering Training Services, Tampa, FL

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- 331

11:00 am to 1:30 pm

What the Heck Happened? Past, Present & Future Disruptions to the Chemical/Fuels Business

(Invited Talks)

Cliff Kowall, Process Innovation & University Collaboration, The Lubrizol Corporation, Wickliffe, OH and **J. Karl Johnson**, Department of Chemical & Petroleum Engineering, University of Pittsburgh, Pittsburgh, PA

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2018 AIChE Annual Meeting Management Division Sessions—Continued

Tuesday, October 30, 2018

12:30—3:00 pm

Management Division Award Recipient Presentation

Fernando Aguirre, HTRI,
George Newcomb, Newcomb Associates, Earlysville, VA and
Joseph Cramer, Program Development, AIChE, Hendersonville, NC

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- 331

3:30—6:00 pm

Applied Project Management Fundamentals: A Tutorial

Eldon Larsen, AIChE Management Div.

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- 331

Wednesday, October 31, 2018

8:00—10:30 am

Department Heads Forum

(Invited Talks)

Valerie L. Young, Department of Chemical and Biomolecular Engineering, Ohio University, Athens, OH
and

Edward J. Maginn, Chemical and Biomolecular Engineering, University of Notre Dame, Notre Dame, IN

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- 406

12:30—3:00 pm

AIChE's 110 Year Celebration

(Invited Talks)

Lorenz T. Biegler, Chemical Engineering, Carnegie Mellon University, Pittsburgh, PA,

J. Karl Johnson, Department of Chemical & Petroleum Engineering, University of Pittsburgh, Pittsburgh, PA and

Cliff Kowall, Process Innovation & University Collaboration, The Lubrizol Corporation, Wickcliffe, OH

David L. Lawrence Convention Center

2019 Spring AIChE Meeting—Preliminary Program

Ethical Issues in Safety

Session Chair: Mark Swientoniewski (mswientoniewski@stratag.org)

Description: Chemical Engineers are challenged by competing priorities in their work places. Protection of public, coworker, and personal safety is a value that is not compromised by other priorities. But is it? There are deadlines and other essential business that also has a legitimate importance to our collective sustainability as a for-profit enterprise. Come and explore how chemical engineers get safety and profitability done without compromising their virtues or standards.

Lessons Learned from the Industrial Practice of the Open Innovation Model for the Development of New Products

Session Chair: Vincent Magnotta (vincem1@ptd.net),

Description: Open Innovation is a technology management practice in which external resources are used to supplement a company's internal R&D and commercialization effort. External partnering strategies include licensing in; corporate- funded R&D at universities, institutes and the government; utilizing external providers; and practicing joint developments between companies. This session will examine learnings from both industry and its external partners in innovation.

Managing Continuous Improvement in the workplace

Session Chair: Donna Bryant (Donna.Bryant@Syngenta.com)

Description: Continuous improvement is used in a wide variety of workplaces to continue to look for the best way to manufacture product whether that be a widget, a chemical component, or test methods. This session will look at how different companies are developing their continuous improvement platform, monitoring it, maintaining its importance in the workplace, and even expanding it.

Turning an Idea into a Reality: Developing a Company

Session Chairs: Daniel Kriozere (djkriozere@gmail.com); Quinta Nwanosike-Warren (quinta.nwanosike.warren@gmail.com); Babak Rafienia (BRafienia@amacs.com)

Description: From developing your own company to growing your organization, there are many obstacles. This session will talk about all aspects of creating and establishing your own company: idea creation, market validation, incubation, and scaling.

Managing yourself: Reinventing yourself for your next role (one that I rolled over)

Session Chairs: Okiemute Sankey (okiemute.sankey@wacker.com); Quinta Nwanosike-Warren (quinta.nwanosike.warren@gmail.com);

To Prospective Authors—Please submit abstract via Confex, or contact session chair.

Management Division Leadership for 2018

Officers

Chair	Fernando J. Aguirre Heat Transfer Research, Inc.	fja@htri.net
Vice Chair	Joseph J. Cramer AIChE	josec@aiche.org
Secretary	Mahdi Nouri CH2M	Mahdi.Nouri@ch2m.com
Treasurer	William S. Welker Nestlé USA	bill.welker@us.nestle.com
Past Chair	Mark Swientoniewski Strata-G LLC	mswientoniewski@stratag.org

Directors

2016 – 2018	Eldon R. Larsen Marshall University	Larsene@marshall.edu
2016 – 2018	VACANT	
2017 – 2019	Harold T. Conner, Jr. URS/CH2M Oak Ridge, LLC	hconnerjr@aol.com
2017—2019	Markus E. Scheller Previously with BASF	scheller54@yahoo.com
2018—2020	Quinta Nwanosike-Warren AAAS/Department of Energy	quinta.nwanosike.warren@gmail.com
2018—2020	Brandon Harding Andeavor	brandonaharding@gmail.com

Volunteer Positions

Programming Chair	Donna Bryant Syngenta	donna.bryant@syngenta.com
Awards Committee Chair	George W. Newcomb Newcomb Associates	geonewcomb@gmail.com
Newsletter Editor	Joe Porcelli JVP International.	jvpji@jvporcelli.com

Please visit our website below for more information, membership renewals and current offerings.

AIChE Management Division website, <http://www.aiche.org/community/sites/divisions/management>