



...Serving Chemical Engineers Who Serve the World

## Mid-Michigan Section Newsletter

**AICHE Mid-Michigan Section Mission: To provide opportunities to continuously develop our members professionally while working with the community to provide a positive view of science and engineering.**

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### *New Web site coming soon...*

The Mid-Michigan Section will be unveiling a new Web site this fall, as we continue in our mission to provide you the information needed to develop personally and professionally. Watch for it!

### *Elections now open...*

Elections are now open for National AIChE Board of Directors. Details are on page 9. This year the Mid-Michigan Section is honored to have a Board nominee, **Henry (Hank) Kohlbrand**. Come and meet Hank at our kick-off event later this month. Details are on page 3.

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### *Words from the Chair...*

It's hard to believe that another summer in Midland has come and gone. As we enter into the fall season, it is once again time to start another year of local section activities.

Using the survey responses from last year, the new program year will be tailored to you. This means holding more meetings during lunch, and a wider variety of programs to appeal to everyone. A few of the presentations this year will include: tour of Monitor Sugar, Hershey Foods presentation on Hershey Kisses, and Imbiber bead technology.

Regardless if you are a new or old member of the local section, I sincerely hope that you find a way to get involved this year. There are so many ways to participate. You could attend a presentation of interest, visit a classroom, talk to students about engineering, or serve on a scholarship committee and award a high school graduate with a scholarship on behalf of the local section. Don't forget about attending the yearly planetarium presentation with your family!

Please take a few minutes and read through the section newsletter. If you see something that appeals to you, plan on attending. If you don't see anything that appeals to you, please fill out the survey on page 16. Your feedback is the only way the section can meet your needs.

I would also like to take a moment to invite everyone to the local section kick-off meeting that will be held September 14th from 11:30 a.m. – 1 p.m. at Oscars. This is a great opportunity to ask questions about programs and volunteer for committees. The kick-off is an informal event. Even if you can only make it for part of the time, please join us. This luncheon will provide a chance to meet Hank Kohlbrand, a nominee for the National AIChE Board of Directors. What better opportunity will you have to let your opinion on the direction of AIChE be heard by those at the top?

Have a great fall!

*Sarah Radcliff*

Mid-Michigan AIChE Section Chair

## **Mid-Michigan AIChE Meeting Schedule for 2004–2005**

*Contributed by Mike Durisin, Mid-Michigan Section Program Chair*

The AIChE Mid-Michigan Section has begun planning its events for the 2004–2005 program year, striving as always to bring you an interesting mix of programs — a little something for everyone. Some of the programs tentatively scheduled include:

September: Kick-off meeting  
October: Tour of Monitor Sugar plant  
November: Presentation by OmniTech International  
January: Presentation by **Richard Hall** on imbiber bead technology  
February: Presentation by Hershey Foods on the making of Hershey Kisses  
March: Presentation by Dr. Michael Quah of NextEnergy on alternative energy sources  
April: Joint presentation by the FBI, Secret Service, and Michigan State Troopers on Internet fraud and identity theft.

**Mid-Michigan Section Announces 2004 Program Year Kick-off****AMERICAN INSTITUTE OF  
CHEMICAL ENGINEERS****American Institute of Chemical Engineers  
Mid-Michigan Section**

Cordially invites you to the 2004–2005 kick-off meeting on  
**Tuesday, September 14, 2004**



Henry Kohlbrand, The Dow Chemical Company

Come and enjoy a casual lunch, courtesy of the Mid-Michigan AIChE Section. Several members of the executive committee will be present to discuss their programs for the year and to recruit volunteers to sign up for their program committees. **Hank Kohlbrand** of The Dow Chemical Company, a candidate for national AIChE director, will also be present. And of course, it will be a time to relax and enjoy talking with your friends and co-workers. Please stop by and see what AIChE has to offer.

**Date:** Tuesday, September 14, 2004

**Time:** 11:30 a.m.–1:00 p.m.

**Location:** Oscar's Restaurant & Entertainment  
140 E. Main St., Midland, MI 48640-5154

**Menu:** Buffet including chips and salsa, vegetable tray, spinach and El Paso dips, chicken wings, barbequed meatballs, potato skins, soft drinks, and assorted dessert

**Cost:** Free

## Mid-Michigan AIChE Recognizes Individuals at Annual Banquet

*With contributions by Tami Heilman-Adam, Joe Anderson, Mike Durisin, Erin Lacher, and David Tascarella*

The Mid-Michigan Section of the AIChE held its awards banquet at the Ashman Court Marriott Conference Hotel on June 9, 2004. This annual recognition dinner not only allows the Mid-Michigan section to reward all AIChE volunteers for the last program year, but serves as the forum to present our scholarship recipients for our collection of members.



**Joe Anderson announces this year's school donations**

After an excellent dinner, Master of Ceremonies **Tami Heilman-Adam**, Section President, introduced this year's banquet Keynote Addressee Dr. **Debora F. Bergstrom**, Vice President of Operations, Dendritic NanoTechnologies, Inc. A former thirteen-year employee of the Dow Corning Corporation, she enlightened the audience with rousing anecdotes and career reflections on her leap from leadership roles in a large corporation to the ground-floor of your own start-up company. Her success story from the area of nano-biotechnology provided inspiration to all those with an entrepreneurial spirit.

**Joe Anderson**, School Donations Chair, presented **Amy Boxey** of Meridian High School and **Robert Hanson** of Bullock Creek High School each \$250 grants to help them purchase equipment and supplies to enhance high school science classrooms. This year, letters were sent to four area districts and three schools replied with proposals ranging from glassware supplies to DNA analysis kits. The requests were typically for several hundred dollars. The complete article can be found on page 7.

This year's AIChE scholarship recipient and his family were recognized by **David Tascarella**, Scholarship Chair. As announced in the last issue of the Mid-Michigan Section Newsletter, (Volume 9, Issue 3, available at [www.mmaiche.org](http://www.mmaiche.org)), **Daniel Kaczynski**, from Auburn Bay City Western, received the 2004 Mid-Michigan AIChE Four-Year College Scholarship. Daniel was the strongest of this year's five applicants. His essay portrayed a good understanding of the diversity in the field of chemical engineering and demonstrated a strong likelihood to succeed. Daniel plans to attend Michigan Tech in the fall.



**David Tascarella (r.) congratulates Daniel Kaczynski**

Another of our members was recognized this year for fifty-year service to AIChE at all levels. **Richard M. Hall** has had a successful career in tremendously varied aspects of chemical engineering, and his career has been featured in an article later in this newsletter (see page 8). Look for Richard in the spring (see page 2) as he gives an invited lecture at a Section event on imbibed bead technology.

**Erin Lacher** was pleased to announce the recipients of the MTU Summer Youth Program (MTUSYP) Scholarship for 2004: **Corrine Junga** and **Hanna Miller**. These two winners were chosen from ten applicants based on their widespread involvement in activities, relative interest in the fields of science and

engineering, and strength and creativity of their essays. The full article was similarly published in the last issue of the Section Newsletter (Volume 9, Issue 3 available at [www.mmaiche.org](http://www.mmaiche.org)).



**MTUSYP winners and their parents (l. to r.):  
Mr. Junga, Corrine Junga, Erin Lacher,  
Hanna Miller, Mrs. and Mr. Miller.**

Other annual Mid-Michigan Section awards were presented.

#### *2004 Young Chemical Engineer of the Year*

**Mike Durisin** presented **Eric E. Stangland** with the Mid-Michigan AIChE Young Chemical Engineer Award for 2004. Eric earned his B.S. in chemical engineering from the University of Wisconsin-Madison in 1994. He received his Ph.D. in chemical engineering from Purdue University in 2000 and then joined The Dow Chemical Company. He is now in the Catalyst Development Group as a Research Specialist.

Eric is adept at bridging the gap between chemists and engineers to create value. His key technical contributions center in the area of catalytic science. He integrates catalyst material characterization and chemical performance to synthesize a deeper understanding of developmental catalyst systems. In doing this, he identifies what is right and what is wrong with catalysts, leading to improved materials and ways of using them. Eric works with researchers at Dow's Midland, Freeport, and Terneuzen sites and has also collaborated with researchers at the University of Munich and the University of Utrecht. He has solved some significant manufacturing plant problems and was a major contributor to an effort that produced meaningful capital improvements to a new process through a new reactor design.

Before joining the catalyst group, Eric studied the fundamentals of the extrusion of polypropylene resins with Dow's Polymer Processing group. He received an award for best contribution at the 2002 Society of Plastics Engineers (SPE) ANTEC (Annual Technical) Conference for this work, and the Dow Global Scientist Organization recognized it internally as one of the Best Outside Publications for 2002.

Eric has been an active member of the AIChE. He has served our section as its newsletter editor, Webmaster, and Publicity Chairperson. In addition, Eric is currently Vice-President of the Michigan Catalysis Society and was previously its Secretary/Treasurer.

#### *2004 Service to Society Awards*

**Tami Heilman-Adam** presented **John Anderson** and **Beth Hyde** with the Section 2004 Service to Society Awards.

**John Anderson** is a Wayne State graduate who is currently in the role of economic evaluation and procurement for the Chemical Sciences group at The Dow Chemical Company.



John has been involved in a number of community activities. He especially enjoys the opportunity to play his saxophone, raising money for charities. He has put his musical talents to use by acting as the pit orchestra conductor for Dow High, serving as both a Dow Promise Mentor with the Saginaw Area NAACP ACT-SO Jazz Band as well as participant, performing with the Midland Concert Band, Jazz Band, and the Lab Rats group, not to mention at his church. Showing his technical side in addition to his artistic one, John has also served as the Midland Concert Band and Jazz Band secretary and treasurer.

He also volunteers at his daughter's school, Dow High, in the Speaking Society parent booster club and helps with set construction and fundraising projects. He was a Scout leader with his son's troop. He has also been active with the youth group at his church traveling on four mission trips.

Finally, he has also been involved with AIChE through the years in a variety of capacities including section chair. Most recently he co-hosted a career panel as one of the programs for 2003-2004.



**Honored attendees (l. to r.): Richard Hall, John Anderson, Debora Bergstrom, Beth Hyde, Eric Stangland**

**Beth Hyde** is a University of Cincinnati graduate who is currently an ASQ Certified Six Sigma Blackbelt in Dow Corning Process Engineering. Beth has held a variety of positions within AIChE beginning at the University of Cincinnati including chair of the student section. After moving to Midland, she became involved with the local AIChE section activities, particularly education outreach. Not only has she been a class facilitator for over a decade, but she also helped develop one of the most popular (and destructive) experiments during which students learn about the strength of concrete through destructive testing. She also completed the three-year term of chair elect, chair, and past chair.

In addition to AIChE, she is involved in numerous organizations with her children acting as an assistant Girl Scout troop leader, a Sunday school teacher, a parent volunteer at Siebert elementary, and fundraising chair for Midland Montessori School.

After the presentation of formal awards, the Section volunteers and out-going officers were recognized. **Bedar Islam** was nominated and accepted as our Chair-elect. Tami Heilman-Adam was honored for her outstanding service to the organization over the last year. The evening festivities were ended with the traditional passing of the gavel in absentia to Sarah Ratcliff, the incoming Chair, to signify the start of another program year.

**A moment of frivolity over gift choice is shared between Kip Mercure (l.) and Mike Durisin.**



## 2004–2005 Donations for Science Education at Area Schools

*Contributed by Joe Anderson, Mid-Michigan School Donations Chair*

The Mid-Michigan Chapter of AIChE offers area school districts grants to help them purchase equipment and supplies to enhance high school science classrooms. This year, letters were sent to four area districts and three schools replied with proposals ranging from glassware supplies to DNA analysis kits. The requests were typically for several hundred dollars.

**Shawn Feist** and **Joe Anderson** reviewed the proposals and chose the requests received from **Amy Boxey** of Meridian High School and **Robert Hanson** of Bullock Creek High School. Using a \$250 grant, biology students at Meridian High School will study how restriction enzymes form recombinant DNA, the basis for genetic engineering. Students will actually separate DNA fragments using the restriction enzymes and gel chambers to gather and evaluate data. Meridian will purchase five kits for these studies.

With a \$250 grant, Bullock Creek High School chemistry students will continue studying the Bullock Creek watershed. Students have conducted annual water quality analyses since 2001. However, rising material costs have exceeded their budget. The grant allows this program to continue. Students study sampling techniques, experimental planning and analytical techniques. The data collected helps to determine how human and natural factors impact the watershed. Roughly 80 to 120 students participate in this project each year. Their results are shared with other local schools and are published on the Internet.

The Mid-Michigan Chapter of AIChE congratulates Amy Boxey and Robert Hansen for preparing and submitting interesting proposals and for having a desire to expand their students' interests in science.

## Volunteers Needed for Upcoming Sci-Fest 2004

*Contributed by Verna Talcott, Education Outreach Chair*

**17<sup>th</sup> Anniversary of National Chemistry Week at  
Sci-Fest 2004....A Focus on Health and Wellness  
Delta College  
October 23, 2004  
10:30 a.m. – 2:30 p.m.**



The Mid-Michigan Section of AIChE is seeking volunteers to work at the AIChE booth during the American Chemical Society Sci-Fest. Volunteers will have the opportunity to demonstrate experiments to show how chemical engineering may be applied to solve problems and contribute to society. This year's Sci-Fest is scheduled for Saturday, October 23rd, 10:30 a.m. to 2:30 p.m. at Delta College and is sponsored by the Midland Section—American Chemical Society, Delta College, and the Mid-Michigan Technician Group. The theme this year for the Sci-Fest is Health and Wellness. If you are interested in volunteering, please contact **Verna Talcott** at 989-496-6066, [v.b.talcott@dowcorning.com](mailto:v.b.talcott@dowcorning.com).

## Richard M. Hall, 50-year Section Member

*Contributed by Mike Durisin, Mid-Michigan Section Program Chair*

The Mid-Michigan section was pleased to recognize one of its newest 50-year members at the banquet, **Richard M. Hall**. Dr. Hall has enjoyed a rich and productive career that is still ongoing. During the time he worked for The Dow Chemical Company he developed or improved techniques for manufacturing a slew of compounds important to Dow's businesses. The section presented him with a plaque to honor his membership and achievements. A presentation by Dr. Hall is tentatively scheduled for early next year at one of our meetings; look for it.

### Education

- B.S. Chemistry, University of Akron, 1944
- B.S. ChE with honors, Case Institute of Technology, 1950
- M.S. Chemistry, University of Delaware, 1952
- Ph.D. Chemistry, University of Delaware, 1953

### Work Experience

- 1943            B.F. Goodrich, halftrack builder
- 1944–1946    U.S. Marine Corps
- 1951            Summer job at B.F. Goodrich Research, Akron, OH
- 1952            Summer job at B.F. Goodrich Research Center, Brecksville, OH
- 1953            The Dow Chemical Company, Midland, MI

Styrene Polymerization Lab  
 Polymer Research Lab  
 Plastics Department Research Lab  
 Coatings and Monomers Research Lab  
 Physical Research Lab  
 Engineering and Metal Products Lab

Plastics Lab  
 Materials Science and Engineered Products Lab  
 Polymeric Materials Lab  
 Organic Chemicals and Polymers Lab  
 Functional Products and Systems Department

- 1992            Savant, Inc., Midland, MI as Associate
- 1993            Imbibitive Technologies Corp., London, Ontario as Vice President for R&D
- 1994–present   Imtech Research and Development, Midland, MI as President

### Technical Organization Memberships

- American Institute of Chemical Engineers
- American Chemical Society
- American Society for Testing and Materials, F-20.2000 (Hazardous Substances Spill Response)
- Sigma Xi (international research society whose programs and activities promote the health of the scientific enterprise and honor scientific achievement)
- Alpha Chi Sigma (the only national professional chemistry fraternity in the U.S.)

### Patents

- U.S. - 30
- foreign - 69
- pending - 4

### Major Fields of Interest

- petrochemical processes
- vinyl monomers
- thermoplastics
- polymer alloys
- polymerization techniques
- new polymers and their applications
- new product development
- new vinyl and condensation monomers
- absorbents and their application



## 2005 AIChE Board of Directors Election Now Open

Voting is underway for the Institute's 2005 elections for President-Elect, Treasurer, and Board Members. Paper ballots have been mailed to all members, senior members, and Fellows. Members can choose to vote by paper ballot or by electronic proxy. For more information, including candidate profiles, election details, and link to the electronic proxy, visit: <http://www.aiche.org/candidates/>. **All voting ends on September 24th, 2004, so be sure to make your voice heard!** Article IV, Section 1 describes the role of the Board of Directors

*The officers, elected directors, and the most recent living Past President, as the directors of the Institute, constituting the BOARD OF DIRECTORS, shall have supervision and care of all property of the Institute and shall transact all business of the Institute for it and on its behalf. The Board of Directors, unless the Constitution and Bylaws provide otherwise, may delegate authority as it deems desirable.*

This role of shaping your AIChE in the years to come is obviously an important one. This year, Mid-Michigan AIChE Section member **Henry T. (Hank) Kohlbrand** has been nominated as a candidate for Elected Director. Please come and meet Hank and discuss your view on the future of AIChE at our Kick-off Luncheon on September 24. See page 3 for more details. Hank wrote the following note to the Mid-Michigan Section Executive Committee concerning the upcoming election:

*Many in the technical community are members of The American Institute of Chemical Engineers. The annual election of officers is taking place and ballots are due on September 24. For those of you who are members of AIChE (or members of ACS) you are probably aware that the institute has been under severe financial distress and many important decisions are being made which will shape its future. We need to make sure that these decisions reflect the needs of the industrial community. AIChE has provided us and our organizations an avenue to interact with academia, government and other companies on a wide variety of issues. Its sponsored research activities in physical properties, process safety, and environmental technologies have been very valuable to us and the technical programs have provided us with a broad exposure to new technology.*

*I would ask you to encourage AIChE members in your organizations to participate in this voting process. I decided to become a candidate for the AIChE board of directors because I recognize the need to change the direction that AIChE is going. The important thing is for the members to get engaged in selecting the new leaders as AIChE changes. Although most of AIChE members are from industry, most of the leaders have come from academia.*

*I appreciate any encouragement that you could provide to make sure that AIChE members get involved in this process.*

*Please let me know if you have any questions or would like more information.*

*Hank*

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[Kohlbrandht@dow.com](mailto:Kohlbrandht@dow.com)

**Fall 2004 Graduate Credit Course In Chemical Engineering**

The University of Michigan  
Fall 2004 Graduate Credit Course In Chemical Engineering  
Midland, MI

**ChE 528 – Chemical Reactor Engineering, 3 credit hours**

Instructors:

**Professor Phillip Savage**[psavage@umich.edu](mailto:psavage@umich.edu)

(734) 764-3386

**Dr. Ray Wright**[raywright@dow.com](mailto:raywright@dow.com)

(989) 638-1334

(Dow Chemical Company contact)

For more information:

Susan Hamlin

U-M Chemical Engineering Graduate Program Office

Phone: (734) 763-1148

Email: [hamlins@umich.edu](mailto:hamlins@umich.edu)

When:

Lectures: Mondays, 5:00 – 7:00 p.m. (*possibly 5:00 - 8:00 p.m.*)Sept 13 through Dec 13, 2004 (*possibly November 15, 2004*)

Problem/Workshop/Exam sessions: Thursdays, 5:00 - 6:00 p.m. from Sept 16 through Dec 16 (except Thanksgiving Day, Nov. 25)

Where:

Rose Conference Room – 47 Building, Midland, MI

Textbooks:

All students should have access to a good chemical reaction engineering textbook. Texts will be supplemented by class handouts.

Recommended: Fogler, *Elements of Chemical Reaction Engineering*Froment and Bischoff, *Chemical Reactor Analysis and Design*

Description: Analysis of kinetic, thermal, diffusive, and flow factors on reactor performance. Topics include batch, plug flow, back-mixed reactors, empirical rate expressions, residence time analysis, catalytic reactions, stability, and optimization

Registration:

Register during class, 9/13/04

Fee:

\$ 2923.69/course with Instate status\*.

Non-resident tuition is \$5182.69/course.

\* Residency application (due 9/30/04) must have been approved or be approved by the Residency office.  
See Web site, <http://www.umich.edu/~regoff/resreg.html>.

## ASME and AIChE Team Up to Offer Continuing Education



### Professional and Technical Training

ASME and AIChE have launched a joint effort to offer you the highest quality courses in chemical engineering education. You can expect the same high quality materials and instructors that you have become accustomed to through AIChE.

Public Courses in:

- [Chemical Engineering Essentials](#)
- [Plant Design and Construction](#)
- [Biotechnology](#)
- [Process Safety](#)
- [Food and Pharmaceutical Technology](#)
- [Business Skills](#)
- [Courses for Operators & Non-Engineers](#)

To register or for more information about each course, visit:

<http://www.asme.org/education/shortco/aiche.htm>

As a member of either Society, you will receive special rates. Please also check [ASME Short Courses](#) for engineers. These courses are designed by experts in association with the American Institute of Chemical Engineers and the American Society of Mechanical Engineers.

Special discount Offer! Save up to \$150 for purchase of any CD-ROM courses on Fluid Mixing, Distillation and Essentials of Chemical Engineering. Offer is valid only from August 1, 2004, through October 31, 2005. For more information, visit [http://www.aiche.org/distancelearning/cdrom\\_or\\_contact](http://www.aiche.org/distancelearning/cdrom_or_contact) (800) 843-2763 or email at [Infocentral@asme.org](mailto:Infocentral@asme.org)

## A Note from National AIChE President William Beyers

*Editors Note: This is a note electronically circulated in early July 2004 by President Williams.*

July 20, 2004

Dear Colleagues:

I am pleased to tell you that the Board of Directors voted at its June meeting to maintain 2005 dues at their current level. This decision was made after carefully reviewing our finances and forecasting our needs for the coming year. Your continued support, along with the cost reductions we've implemented and business relationships we've developed over the past year, have put AIChE back on sound financial footing.

We continue to explore partnerships with organizations like the American Society of Mechanical Engineers (ASME) and the American Chemical Society (ACS) to provide additional value for AIChE members. Together with ASME, we've launched a special joint partnership package for our members. Interested AIChE members can pay a modest \$30 fee and receive ASME's flagship publication, Mechanical Engineering, along with ASME member rates on conferences.

In other news of partnerships, we continue to develop our programmatic alliance with ACS. I'm excited how this partnership will create vital networks and dynamic information exchange for our members. This summer we formed joint AIChE-ACS teams to explore cooperative programs in local sections, divisions, meetings and expositions, member affairs, and career services. The teams will present their plans for cooperative programs and events to our respective boards in the fall. Thanks to everyone who is contributing through these working teams.

At the 2004 Spring Meeting, the Board approved bylaws for new technological communities in two of our profession's strategic growth areas-biological engineering and sustainability. These actions formally launched our Society for Biological Engineering (SBE) and the Institute for Sustainability.

SBE's work is well underway. In September, the society will host its first major conference, the SBE International Conference on Bioengineering and Nanotechnology, September 26-29 at the Biopolis in Singapore. The conference will help our members build valuable networks across disciplines of engineering, science, and medicine and around the world. For further information, see <http://bio.aiche.org>.

The Board will hold a special meeting in September to develop a long-range plan for 2005-09. With input from a number of key members, we will explore new programs and initiatives that will serve chemical engineers and their professional needs-for the next five years and well into our second century.

As you can see, there is a lot happening at AIChE. I look forward to working with you as we continue to strengthen our existing programs and seek out new benefits and networks for your professional and personal success.

Sincerely,

William D. Byers  
AIChE President

PS: Make sure to save the date for the 2004 Annual Meeting, November 7-11 in Austin, Texas, featuring 14 mini-conferences, over 500 technical sessions and special networking events.

## 2004 Spring Meeting Proceedings Now Available

Introducing the [AICHE 2004 Spring Meeting Proceedings](#). AIChE's first-ever complete Spring Meeting Proceedings on CD-ROM from the largest industrially oriented annual meeting of chemical engineers. A "must-have" reference for every chemical engineer's library. Over 500 technical papers including papers from all topical conferences. Represents the largest annual conference aimed at practitioners from the chemical processing industries, with programming on LNG, Refineries, Ethylene, and more. Includes papers from the premier annual process safety conference "38th Loss Prevention Symposium."



As an AIChE member, you can purchase this CD-ROM for just \$100 (which includes shipping). [Ordering online is fast and convenient.](#)

While supplies last, if you haven't already taken advantage of ordering the 2003 AIChE Annual Meeting proceedings on one convenient CD-ROM, there are still copies available for just \$99 (which includes shipping).

Place your CD-ROM [order online](#) or by telephone at 800-482-4788.

AIChE's 2004 Meeting Conference Proceedings are brought to you on CD-ROM by [Omnipress](#), national leaders in producing conference materials in print, CD-ROM and online. Although you should find the CD-ROM very simple to use, Omnipress backs up their products with general support when needed (UNIX® technical support is available from Adobe).



[Minimum system requirements](#) for CD-ROM use are provided at this link.

## Advertise in the Mid-Michigan Section Newsletter

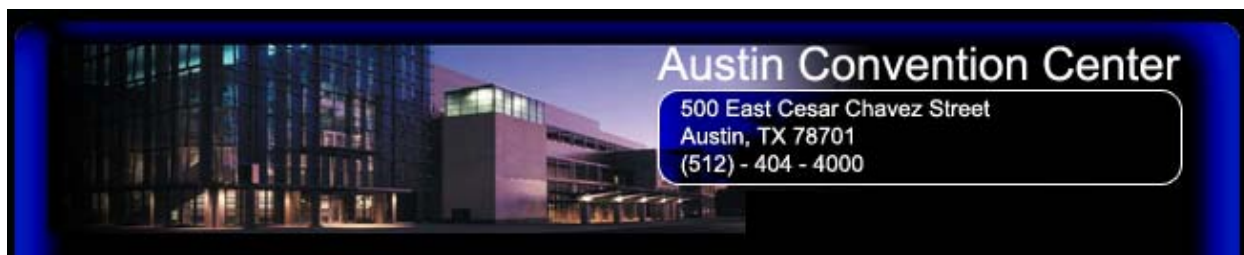
The Mid-Michigan Section would like to assess interest for advertising in our newsletter. Our section distributes about three electronic newsletters a year to a membership list of 300-400 chemical engineers in the Mid-Michigan area. Quarter, half, or full page advertisements would be accepted, with competitive rates to be determined. The monies generated from these advertisements will help our section finance member educational opportunities and college scholarships sponsored by our section. Please direct inquiries to newsletter editor Eric Stangland (989-636-0517, [eestangland@dow.com](mailto:eestangland@dow.com)). Our next newsletter would be scheduled for the January 2005 time frame.



## 2004 AIChE Annual Meeting in Austin, Texas

### 2004 Annual Meeting

November 7-12  
Austin Convention Center  
Austin, TX



### AIChE Annual Meeting

R&D professionals from academia and industry have access to a record number of conference sessions and papers at this year's AIChE Annual Meeting. The Annual Meeting takes place November 7-12 at the Austin Convention Center in Austin, Texas. The conference will include 13 topical conferences and over 540 sessions, covering everything from advances in fundamentals, to the newest developments in emerging technologies including bioengineering, nanotechnology, sustainability and more. More than 4,000 engineers and scientists are expected to attend.

### Format moves to three sessions per day

Due to the amount of research being presented, the daily format will consist of three sessions per day. The schedule for Monday, November 8, through Friday, November 12 is as follows:

- 8:00 - 10:30 a.m.: Session Block I
- 10:45 - 11:30 a.m.: Committee Meetings (except Wednesday, which is reserved for the Institute Lecture)
- 11:30 a.m. - 12:30 p.m.: Lunch
- 12:30 - 3:00 p.m.: Session Block II
- 3:15 - 5:45 p.m.: Session Block III

There will also be several sessions on Sunday afternoon. This will be the largest Annual Meeting in the AIChE's history, and we trust the most popular. We appreciate your help in making it a success. Please visit <http://www.aiche.org/conferences/annual/> for addition information, or directly register online at <https://www.aiche-mart.org/meetreg/meetreg.asp?mode=secure>.

## Call for Papers — 2005 Spring National Meeting

### 2005 Spring National Meeting



**April 10-14  
Hyatt Regency  
Atlanta, GA**

The Spring 2005 AIChE National Meeting will focus on workable solutions to the challenges confronting the chemical industry. Competition is fierce. Resources are more finite. Safety and sustainability must support profitability. There's never been a greater need to work "faster, cheaper, better."

Join us in Atlanta as we explore solutions to these concerns in a new format. The 2005 Spring Meeting will feature a new track structure that will reach across specialties to focus on workable solutions applicable for all industries.

Take advantage of many diverse technical sessions, panel discussions, conference keynotes, short courses, and networking events designed for all chemical engineering professionals.

#### **2005 Spring Tracks include:**

- Global Congress on Process Safety (CCPS, LPS and PPSS)
- Operational Excellence in the Petrochemical Industries (including the Ethylene Producers Conference)
- Operational Excellence in the Specialty/Fine/Pharma/Food Industries
- Tools for Commercial Success
- Profitable Paths for New Process Technology (including IMRET 8)
- Enabling Energy Strategies

#### **Keynote:**

Rich Marcogliese, Senior Vice President of Refinery Operations at Valero, will be the keynote speaker for the 2005 Spring Plenary Session.

Additional Information can be found at <http://www.aiche.org/spring/>, or submit a paper for the spring meeting on-line at <http://www.aiche.org/springapp/>.

## Your Input is Requested...

In order to assess the usefulness and applicability of the AIChE local section programming, it is important that we receive your feedback. Feel free to use this feedback form anytime during the year. You have limitless options to make your voice heard.

- Talk to any officer you know. The 2004–2005 Officers can be found at the end of the newsletter.
- Print this form out and mail it to Mid-Michigan AIChE at the address on page 1.
- Drop this complete form off at the Kick-off meeting, or any other AIChE event you attend.
- Write your responses by e-mail and send electronically to your Section chair at [sjratcliff@member.aiche.org](mailto:sjratcliff@member.aiche.org).

As we get our new Web site up and running, we plan to have the feedback form available for quick submission. Look for it at [www.mmaiche.org](http://www.mmaiche.org).

Thank you very much; your input makes our AIChE Section better.

**What AIChE programs would you like to see in the future?**

**What other services could the local section offer that would interest you?**

**Have you ever volunteered at a local section event? If yes, did you find the experience worthwhile? If no, what could be done to make you want to volunteer in the future?**

**Is the content of the newsletter useful to you?**

**Other comments, ideas, suggestions?**

**Are you interested in being an officer, committee chair, or member? If so, please include your contact information below.**

## AIChE Mid-Michigan Section 2004–2005 Officers and Committee Chairpeople

Position	Name	Address	Internal E-mail (within company) Internet E-mail	Phone	Fax
Chairperson	Sarah Ratcliff	Dow Corning Corp. Mail# 121 Midland, MI 48686-0995	SJRATCL2 <a href="mailto:sarah.ratcliff@dowcorning.com">sarah.ratcliff@dowcorning.com</a>	496-5675	496-8812
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Dow Corning Director	Dennis Phillips	Dow Corning Corp. Mail# 146 Midland, MI 48686-0995	DEPHILLI <a href="mailto:dennis.phillips@dowcorning.com">dennis.phillips@dowcorning.com</a>	496-5243	496-1560
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Section Historian	To be determined				

All telephone numbers listed above are in the 989 area code unless otherwise specified.