



# Rocky Mountain AICHE News

November 2002

Volume 12 Number 3

## November Section Meeting: Presentation and Tour of the Atmel Manufacturing Plant

Since its development in Bell Labs in the 1940's, the integrated circuit has proliferated to the point where it is a critical component in everything from the most sophisticated supercomputer to the access cards used for access to office buildings. The manufacture of these devices requires a wide variety of technical disciplines including chemical engineering, which plays a key role in both making chips and appropriately managing the byproducts created.

Our November section meeting will include a presentation and tour of the Atmel manufacturing plant in Colorado Springs given by David Helmer, the EH&S Manager for the facility. Atmel is a semiconductor firm that specializes in Flash, ASIC (Application Specific Integrated Circuits) and RF (Radio Frequency) computer chips. The site employees about 2000 people and covers about 650,000 square feet in 6 buildings. The presentation will discuss the chemical processes involved in making computer chips and will include a discussion of the Environmental, Health, and Safety (EH&S) aspects of a semiconductor plant. There will also be a window tour of the clean room and tour of the mechanical spaces, to include wastewater treatment.

Mr. Helmer has a B.S. in Chemistry from Baylor University and a M.S. in Chemistry from Texas A&M - Commerce. David has been in the semiconductor business for 22 years and the EH&S Manager for this Atmel site for 8 years.

## November Section Meeting

- Speaker:** David Helmer  
Environmental, Health & Safety  
Manager
- Topic:** Presentation and Tour of the Atmel  
Manufacturing Plant
- Date:** WEDNESDAY, November 20, 2002
- Time:** 6:30 p.m.
- Location:** Atmel  
1150 E. Cheyenne Mountain Blvd  
**COLORADO SPRINGS**
- Menu:** Catered meal provided at the plant
- Cost:** \$15 (half price for students and unemployed)

Please RSVP by **Friday, November 15th**. Indicate your name, phone number, and number of attendees by e-mailing Kevin Milliman at [kevin\\_milliman@earthtech.com](mailto:kevin_milliman@earthtech.com). Alternatively, you may leave a voice mail for Kevin at 303-804-2374.

Please note that the meeting will be held at the Atmel facility on Wednesday November 20 and will begin at 6:30 p.m.

**We need your Vote!**

**November 3, 2002**

**Dear AIChE Member or Fellow:**

This morning in Indianapolis, the proposed amendments to AIChE's Constitution listed below were offered for general discussion at AIChE's Annual Meeting. The meeting was well attended and all amendments were discussed.

Now is the time to cast your vote. Paper letter ballots have been mailed to all Fellows and Members and yours should arrive shortly via regular mail. We are also pleased to announce the introduction of electronic proxy.\* To use this electronic submission instead of the paper letter ballot, visit [www.cssconsult.com/elections/AICHECon.asp](http://www.cssconsult.com/elections/AICHECon.asp).

**Paper ballots and electronic proxies received by January 7, 2003 will be entered in a drawing to win a laptop computer.**

Your vote will shape the future of the Institute. Every vote counts. The Constitution requires a 20% return for balloting, with at least 75% in favor of the proposed amendments, for the amendments to be effective. Members and Fellows--but not Associate Members, Affiliate Members or Student Members--are eligible to vote. The Board asks you to please vote by **January 7**, in order to deter the cost of another mailing.

For additional information on the proposed constitutional amendments, please visit <http://www.aiche.org/constitution>. If you have any questions, please e-mail [constitution@aiche.org](mailto:constitution@aiche.org)

### WHAT CAN YOU CONTRIBUTE?

*We need articles for this newsletter which may be of interest to our members. Do you have something you can contribute? Please send your ideas to the editor at [mmoes@ekiconsult.com](mailto:mmoes@ekiconsult.com).*

## **VOTE, VOTE, VOTE!!**

By Craig Wildemuth

Many of you may have already received the e-mail (displayed on the left) from AIChE and will probably be receiving your paper ballots shortly. This is an important ballot. As mentioned, the constitution requires a 20% return for balloting. A typical ballot only receives response from about 25% of the voting membership, so every vote counts.

I attended the Annual Meeting discussion. It was a very lively discussion, focusing almost exclusively on the issue of membership grades. Note in the paragraph above where only Members and Fellows are eligible to vote. Under the proposed changes, the member grade would be renamed Sr. Member and the Associate and Affiliate grades would be combined into a new grade called member. Additionally, this new member grade would be given the full rights of the current member grade, including the right to vote and to hold office. Several individuals did not feel comfortable with this change because someone who is not a chemical engineer by training or by profession could conceivably be elected to be president of AIChE. What is your reaction to this? It is not my intent to convince you to vote for or against this proposal, but only to vote. AIChE is making an effort to be more responsive to the changing needs of its members. This is *YOUR* AIChE, so vote!

### **Congratulations to the University of Colorado AIChE Student Chapter**

Congratulations to the University of Colorado (Boulder) AIChE Student Chapter of 2001-2002! They have been named an "Outstanding Chapter" by the New York AIChE Headquarters. This award is in recognition of the student chapter's activities over the last year including the Rocky Mountain Regional Conference Sponsorship, outreach to middle schools, general community service, and other activities. Congratulations to the AIChE students for their hard work that made this happen. Also, many thanks to Jenn Plant Wheeler who wrote much of the nominating letter for the chapter award.

## *AIChE Meetings*

**2002**

Nov 3-8            Annual Meeting &  
Career Fair  
Indianapolis, IN

**2003**

March 30-Apr 3    2003 Spring Nat'l  
New Orleans, LA

May 4-7            2003 Management  
Amelia Island, FL

May 5-8            Offshore Tech  
Houston, TX

June 22-25        Process Develop.  
Symposium  
Poconos, PA

Sept 4-5            Engr. & Construc.  
Contracting  
Scottsdale, AZ

Sept 15-18        Safety in  
Ammonia Plants  
Orlando, FL

For further information, contact  
National AIChE.

### **National AIChE Contact Info**

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**Web Page:** <http://www.aiiche.org>

## *Rocky Mountain AIChE Officers*

Dennis Gertenbach	Director	303/279-4501
James Meyer	Chair	303/271-1899x11
Kevin Milliman	Vice-Chair / Program	303/804-2374
Curtis Dominicak	Secretary	303/969-9416
Craig Wildemuth	Treasurer	303/791-6307
Stephanie Church	Membership	303/978-3084
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Rocky Mountain AIChE News is published eight times a year by the Rocky Mountain section of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

## ***UPCOMING MEETINGS***

*Do you have a topic you would like to learn about?  
Is there a tour of a facility you would like to take?  
Would you or your company like to present a  
program or host a meeting? Please contact Kevin  
Milliman at 303-804-2374 or e-mail to  
[kevin\\_milliman@earthtech.com](mailto:kevin_milliman@earthtech.com) with your  
suggestions.*

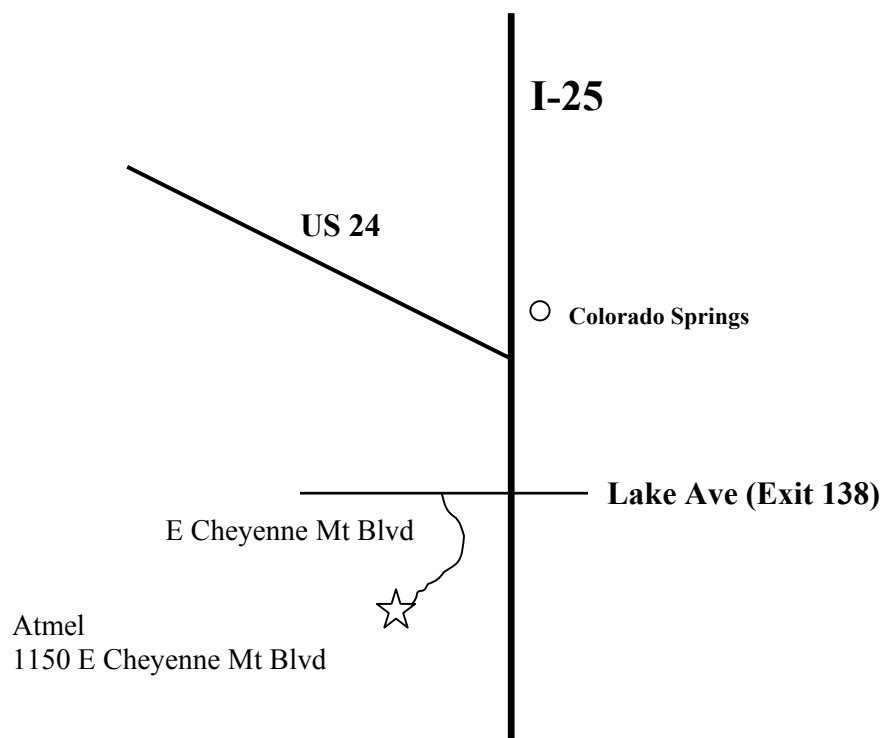
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Return Service Requested

*On the Web at:*

**<http://www.aiche-rm.org>**

*Send us your e-mail address  
(send to [mmoes@ekiconsult.com](mailto:mmoes@ekiconsult.com)) and  
receive this newsletter electronically!*



**DIRECTIONS: Take I-25 south into Colorado Springs. Exit at Lake Ave (exit 138) to the west. Turn left on E Cheyenne Mountain Blvd/Rand Ave. Drive about 1 mile to the Atmel location at 1150 E Cheyenne Mountain Blvd.**