



## DECEMBER MEETING NOTICE

### Strategies for Enhancing Product Development

By Rick Katz  
 Director, Research & Engineering  
 MSA North America

**Where:** Stone Mansion Restaurant  
 1600 Stone Mansion Drive  
 Franklin Park, PA  
 724-934-3000  
[www.stonemansionrestaurant.com](http://www.stonemansionrestaurant.com)

**When:** Wednesday, December 6, 2006

**Times:**

6:00 PM Registration  
 6:15 Dinner  
 7:30 Presentation

**RSVP NO LATER THAN  
TUESDAY, NOVEMBER 28, 2006**

To: Mr. James Miller, Vice-Chair  
 Phone: 412-268-9517  
 E-mail: [jbmiller@andrew.cmu.edu](mailto:jbmiller@andrew.cmu.edu)

Your RSVP must include: **Name, Company Name,  
Email Address, and Phone Number.**

**Menu selection will be made upon arrival.**

**PLEASE PAY AT DOOR**

**CANCELLATIONS:** If you must cancel your meeting reservation, please do so no later than 48 hours prior to the meeting. Otherwise, you will be invoiced for the cost of your meal.

**Menu:** Choose one of the entrees below. All entrees include a house salad, vegetable, starch, bread and coffee or soda.

- **Chicken Cordon Bleu** - breaded chicken breast stuffed with ham and Swiss cheese served in a red wine and Béchamel sauce.
- **Veal Francaise** - tender pieces of veal dipped in egg and lightly sautéed in a white wine, lemon and garlic sauce.
- **Tortellini Mediterranean** - cheese-filled tortellini sautéed with asparagus, sweet red peppers served in a sweet red pepper sauce and topped with Feta cheese.
- **Scallops Scaloppini** – scaloppini of sea scallops sautéed with an orange and ginger beurre blanc over lemon rice.

**Cost:** \$35.00 Members  
 \$30.00 Students and unemployed  
 Members  
 \$37.00 Non-members

~ **About the Presentation** ~

New product development is the fuel for corporate growth. As the number of product development projects increases and as development is distributed to many locations, so does the complexity. New and improved processes, shared and standardized product components, and new metrics are some of the strategies that are used to



## LETTER FROM THE CHAIR

Dear Members:

In my last letter I urged each of you to let us know what we can do to get more participation from the membership. During our last meeting a member came up to me and said that he was attending because of my letter. You see, he is in the same boat as your Executive Committee. He is in charge of trying to get more participation from his church members and felt our anguish. We are all in the same boat at some time or another – we all need to get others to help out. We need you. Besides, it is more fun with you there.

The success of this chapter is not dependent upon its leaders; it **IS** dependent upon **YOU**.

The Vice Chair, Jim Miller, has some terrific programs lined up and they are posted elsewhere in this newsletter. Plan to come to a couple events.

This is also a McAfee Award year. The committee met on November 6<sup>th</sup> to begin planning this year's award ceremony. Since this committee also has responsibility for scholarships, its members have been considering ways to improve the Scholarship program under the leadership of Ed Moretti. Their recommendations will be brought to the Officers for a vote.

Along with the entire Executive Committee, Officers and Chairs let me take this opportunity to wish you and yours the happiest of Holidays.

Sincerely,

Gary Hall  
Chairman, AIChE Pittsburgh Chapter

## DECEMBER MEETING

improve product development effectiveness and return on investment.

In this presentation, **Mine Safety Appliances Company (MSA)**, a global manufacturer of sophisticated safety products designed to protect workers, will share strategies, tactics and results with managing this challenge. Their long-term approach started in 1993 and as a result, new products were the source of 34% of total sales in North America in 2005. From the presentation, you'll benefit from proven strategies and tactics for improving product development performance and take away ideas for what your product development activity could become.

### ~ About MSA ~

Established in 1914, MSA is the world's leading manufacturer of sophisticated safety products designed to protect people throughout the world. Sophisticated safety products typically integrate any combination of electronics, mechanical systems and advanced materials to protect users against hazardous or life-threatening situations.

With headquarters located in Pittsburgh, MSA employs approximately 4,500 associates and maintains operations that extend around the world. These resources include manufacturing operations on five continents and more than 30 international locations that help protect lives in more than 140 countries.

Through its three business segments - MSA North America, MSA Europe and MSA International - the company provides a comprehensive line of products used by workers in the fire service, homeland security, law enforcement, construction, oil and gas, chemical and other industries, as well as the military. MSA also provides a broad



offering of consumer and contractor safety products.

MSA products include:

- Air-Purifying Respirators
- Supplied-Air Respirators
- Portable and Permanent Gas Detection Instruments
- Thermal Imaging Cameras
- Fire Helmets
- Body Armor
- Head, Eye, Face and Hearing Protection
- Fall Protection
- Mining and Specialty Products

MSA products are built with "integrated system" capability that ensures compatibility between individual products. For example, MSA supplied-air respiratory facepieces are designed so that they integrate easily and seamlessly with MSA head protection products. Nearly all components of the company's products are formulated, machined, tooled, or molded in-house from raw materials. This means greater manufacturing control and unequaled quality assurance for safety equipment users.

To maintain its position at the forefront of safety equipment innovation, MSA operates the most complete research and development facilities in the industry. The foundation of this commitment is the John T. Ryan Memorial Laboratory near Pittsburgh, the world's most sophisticated proving ground for safety products. Today, MSA's global engineering teams operate in the U.S. as well as in Australia, Brazil, Germany, Great Britain, Italy, China and several other countries. Within each is a talented team that draws on the expertise of other MSA engineers around the globe. The result is a synergy of ideas that is benefiting customers worldwide.

This collaborative spirit has resulted in the joint design of such leading edge products as the Advanced Combat Helmet, the Firehawk® MMR Regulator and the Orion® Multigas Detector.

These and other products incorporate the latest in computer-aided design, laser modeling and testing. Government approval requirements beyond the U.S. are considered from the start and engineered in from the very beginning. This approach results in products that conform to the broadest range of global performance standards, enabling worldwide use while reducing product development costs.

*~DIRECTIONS TO STONE MANSION RESTAURANT~*

**From the North:**

Take I-79 South to Exit 73 Wexford Bayne Road (PA-910). Turn right at exit ramp. Stone Mansion Drive is about ¼ mile on the right.

**From the South:**

Take I-79 North to Exit 73 Wexford Bayne Road (PA-910). Turn left at exit ramp. Stone Mansion Drive is about ¼ mile on the right.

**From the East:**

From I-76 PA Turnpike, take Exit 28 to I-79 South towards Pittsburgh. Continue to Exit 73 Wexford Bayne Road (PA-910). Turn right at exit ramp. Stone Mansion Drive is about ¼ mile on the right.

**From the West:**

From US-22, US-30, PA-60, take I-79 North to Exit 73 Wexford Bayne Road (PA-910). Turn left at exit ramp. Stone Mansion Drive is about ¼ mile on the right.

**ENGINEER MENTORS*****Be a Mentor for the Future City  
Pittsburgh Regional Competition!***

The Pittsburgh Regional Future City Competition needs engineer mentors. Mentors are needed to begin work with middle school teams. Please consider volunteering as a mentor for this fun and worthwhile experience.

The Engineers' Society of Western Pennsylvania (ESWP) in conjunction with the Carnegie Science Center will present the 8th Annual Future City Competition in the Pittsburgh area. The Future City Competition asks middle school students to create -- first on computer and then in large, three-dimensional models -- their visions of the city of tomorrow. The Pittsburgh Regional Competition will be held at the Carnegie Music Hall, on Saturday, January 20, 2007. The Future City Competition is a national program sponsored by the engineering community to promote technological literacy and engineering to middle school students.

For additional information about volunteer opportunities contact:

**Werner Loehlein**

Future City Mentor Coordinator

E-mail: [werner.c.loehlein@usace.army.mil](mailto:werner.c.loehlein@usace.army.mil)

412-395-7363

[www.futurecitypittsburgh.org](http://www.futurecitypittsburgh.org)

**2007 - 2008 SCHOLARSHIPS*****Two \$750 Scholarships!***

Applications are now available for up to two \$750 scholarships to be awarded by the Pittsburgh Section AIChE for the 2007-2008 academic school years. Sophomore and Junior chemical engineering students are eligible to apply if:

- They are enrolled in one of the following chemical engineering programs in the AIChE Pittsburgh Section area:
  - Carnegie Mellon University
  - University of Pittsburgh
  - West Virginia University
  - Youngstown State University
- They are enrolled at any AIChE-accredited chemical engineering program in the United States provided that the student is the son or daughter of a member in good standing of both the AIChE and the Pittsburgh Section AIChE.

**The deadline for submission of an application is January 19, 2007.** Scholarship recipients will be notified by February 16, 2007.

*For more details or to print out a copy of the application, visit our website: [www.aichepgh.org](http://www.aichepgh.org).*



## JOB SEARCHING?

Are you in job search mode? If so, then you might want to attend the following seminar presented by the:

Society for Analytical Chemists of Pittsburgh

American Chemical Society, Pittsburgh Section

Spectroscopy Society of Pittsburgh

American Institute of Chemical Engineers, Pittsburgh Section

**When:** Saturday, February 3, 2007

**Where:** ASHE Auditorium  
University of Pittsburgh  
219 Parkman Avenue  
Pittsburgh, PA

**Fee:** \$10.00  
(Lunch and Parking at Soldiers and Sailors Parking Garage included)

**Program:**

- 8:00 AM *Registration*
- 8:30 *Welcome and Introduction*
- 9:00 ***Managing an Effective Job Search***  
Dr. Ray O'Donnell, Career Consultant
- 11:40 ***Overview of the local job market***  
Dr. Joseph D. Jolson
- 12:00 PM *Networking Lunch*
- 12:30 *Résumé review, personal consultation*
- 3:30 *Close*

***Bring your parking ticket for validation and your résumé to participate in the afternoon program.***

To register or to get additional information, contact Bob Theys at 724-823-3077, or E-mail: [theys@pittcon.org](mailto:theys@pittcon.org)

A registration form has been posted on the AIChE Pittsburgh Section website: [www.aichepgh.org](http://www.aichepgh.org).

***Deadline for submitting registration form is January 20, 2007.***

### ***The Pittsburgh Section Executive***

### ***Committee, Officers and Chairs***

***Would like to wish you:***



***And***





## MEMBERSHIP CORNER

Please send all change of address notifications to the Membership Chair:

**Holly Gray**  
**412-269-6059**  
**hgray@mbakercorp.com**

If you have not already done so, please verify your updated e-mail address and post office mailing address with me so that you will continue to receive newsletters and e-mail notifications! Newsletters are posted on our website, [www.aichepgh.org](http://www.aichepgh.org)

### Please sign me up for the Pittsburgh Section of AIChE

Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Business Phone _____
Residence Phone _____
Email _____

Annual Dues are \$16.00. Make check payable to "AIChE Pittsburgh Section" and send to the Treasurer:

**Paul Brezovec**  
**AIChE Treasurer**  
**164 Taylor Avenue**  
**Johnstown, PA 15906**

## NEWSLETTER DEADLINE

**THE DEADLINE FOR THE  
 JANUARY NEWSLETTER IS  
 MONDAY, DECEMBER 18, 2006**

Please submit newsletter information to:

**E.G. Klein**  
**724-796-3128**  
**eg.klein@giccusa.com**

## SPONSORSHIPS

Are you interested in placing your company's information in future AIChE Newsletters?

Full Page	\$300
Half Page	\$175
Quarter Page	\$95
Business Card Size	\$45
1/12 Page	\$30

Place multiple sponsorships and receive a discount!

Three consecutive ads – 10% off  
 Eight consecutive ads – 30% off

Contact **E.G. Klein** at [eg.klein@giccusa.com](mailto:eg.klein@giccusa.com) or 724-796-3128 for more information.



## AICHE PITTSBURGH CHAPTER 2006-2007 OFFICERS

### Executive Committee

#### Chair

Gary Hall (gary.hall@sauereisen.com)  
Sauereisen, Inc.  
412-963-0303, ext. 236

#### Vice-Chair & Program

James Miller (jbmiller@andrew.cmu.edu)  
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412-268-9517

#### Secretary

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#### Past Chair & Nominations

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### Additional Officers and Chairs

#### Membership Chair

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724-796-3128

#### Engineers' and Chemistry Week

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412-826-3636

#### Scholarship Chair

Ed Moretti (emoretti@moretticonsulting.com)  
Moretti Consulting Group, LLC  
412-276-2228

#### Committee Chairs

*Safety/Environmental:* Shiw Tseng 412-854-6604  
(shiwtseng@consolenergy.com)

*PE Review:* Carl Schwartz 412-374-3678  
(schwarcw@westinghouse.com)

*McAfee:* JoAnn Truchan 412-578-7981  
(jtruchan@achd.net)

#### Web Master

Richard Dupree (rrd@dupreeonline.com)  
Dupree & Associates  
724-775-5122

### 2006 - 2007 Chapter Meeting Schedule

Date	Topic	Location
December 6, 2006	Product Development at MSA	Stone Mansion – Franklin Park, PA
January (TBA), 2007	Joint Meeting with AWMA	Penn Brewery - Pittsburgh
February 26, 2007	Annual Student Night	Carnegie Mellon University
March, 2007	Bruce Mansfield Power Plant Tour	First Energy, Shippingport, PA
April, 2007	Technical Presentation	TBA
May, 2007	McAfee Award Banquet	TBA

## Mark your Calendars!

For the Following Dates:

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December 6, 2006	Monthly Meeting	Stone Mansion Restaurant, Franklin Park, PA
January 20, 2007	8 <sup>th</sup> Annual Future City Competition	Carnegie Music Hall, Pittsburgh, PA
January (TBA), 2007	Joint Meeting with AWMA	Penn Brewery, Pittsburgh, PA
February 26, 2007	Annual Student Night	Carnegie Mellon University, Pittsburgh PA

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### *The Catalyst*

American Institute of Chemical Engineers  
337 Fourth Avenue  
Pittsburgh, PA 15222-2097

Visit us on-line at [www.aichepgh.org](http://www.aichepgh.org)



***GOD Bless AMERICA!***