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2009 – 2010**

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## ASME Buffalo Section Program Announcement Tour of API Heat Transfer

2777 Walden Avenue, Buffalo, NY  
Wednesday January 27, 2010  
Tour Starts Promptly at 5:00 PM  
Registration & Networking 6:00-6:30 PM  
at Magruders, 4995 Broadway Ave, Depew, NY  
Dinner at 6:30 PM



**API Heat Transfer** is a global leader in the design and manufacture of a wide range of heat transfer technologies that service virtually every industrial market including food and beverage, dairy, compressors, air separation, chemical processing, mobile vehicles, power generation, pharmaceuticals, HVAC, and a wide variety of general industrial applications.

Our Airtech, Basco, and Schmidt brands are well-known for their innovative designs and exceptional quality. API Heat Transfer markets both standard units and custom designs to meet the individual requirements of our customers. We have a proud tradition of outstanding service to both OEM's and End-Users. With manufacturing locations in New York, Germany and China and sales support located around the world, API Heat Transfer offers best-in-class products with technically knowledgeable local support. We recognize that only through industry-leading innovation, strong technical support, exceptional customer service, and best-in-class quality will we continue to be...*world leaders in heat transfer technology.*

**Please make reservations by Friday January 22, with:  
Joe Ciccarella at (716) 828-8577 or [jcicarella@jne.ca](mailto:jcicarella@jne.ca)**

The tour will start promptly at 5:00, please bring safety glasses if possible. No open shoes or heels. Dinner will follow the tour at Magruders. Please select: beef kabob over rice; stuffed pork chop; or chicken parmigiana. Cost \$20 members/guests, \$10 students.

### ***TSC Calendar Reminder...***

ASME Posts the entire Technical Societies Council (TSC) Events Calendar on the Buffalo Section website. TSC and Al Ker do an excellent job of providing information on all local technical events.

<http://sections.asme.org/buffalo/>

## Other news....

### ASME Student Section...

In a recent meeting, the UB Student Section leaders spoke about the multiple projects that their group is working on this year:

- Solar Powered Boat – Competition is down in Arkansas, the carbon-fiber hull of the boat (3'wx2.5'dx12'l) was completed last year. The UB Student Association contributed \$5000 to this project, this just about covers transportation of the boat to and from the competition.
- Human Powered Vehicle – This is in the one man/utility group. Basically a bicycle with fairing. The project is currently in design, estimated at 95% complete.
- Stadium Blimp – For use inside Alumni Arena during Basketball games. Roughly 5' in diameter and 10' long. Roughly 75% done, but the athletic department wants it completed by November 15<sup>th</sup>. Pretty tight timeline.
- Energy Conversion Demonstration – For the Museum of Science during Engineer's Week. This will show the efficiency losses when converting energy from mechanical to electrical.
- Battle Bots – Also during Engineers Week. This battling robot competition pits UB's technical societies against one another. The ASME student section might have secured sponsorship from Microsoft. UB section is looking to create a second bot this year.

The ASME Buffalo senior section would like to help the students team-up with local businesses for sponsorship and donations of material, but also mentoring and expertise. Contact Joe Crimi if you are interested in participating. [jacrimi@att.net](mailto:jacrimi@att.net)

### UB Engineering's EngiNet™ Program

UB Engineering's EngiNet™ program offers opportunities for engineers to 'go back to school' on their own time in their own way. UB Engineering is also pleased to announce the availability of our online Master of Engineering degree program in Electrical Engineering.

The Spring 2010 online course schedule is now available on our website. For more information please visit the EngiNet™ website: [www.eng.buffalo.edu/enginnet](http://www.eng.buffalo.edu/enginnet) or contact Jim Michalowski directly at (716) 645-0956.

## ASME Buffalo Section Sponsors

### ASME Sponsors....

ASME is currently looking for companies to help the local section provide programs and activities. Our 2009-2010 Sponsorship request letter is included in this Newsletter, and is available on our website.

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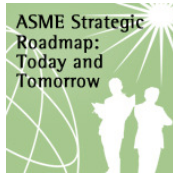


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## Strategic Roadmap on the Web



Over the course of the past year, ASME’s Board of Governors has identified three critical areas where the organization is poised to leverage the expertise of its members—as well as its rich and diverse products, services, and programs—to play a leadership role on matters of global impact.

The three priorities are energy, global impact, and engineering workforce development. To keep up-to-date on projects related to each of these initiative areas, a Web page that will serve as a repository of up-to-date information on activities in each of the areas has been created. It also includes related articles and position statements. The web page can be accessed directly at <http://strategy.asme.org>, or through [asme.org](http://asme.org), [memagazine.org](http://memagazine.org), or [asmenews.org](http://asmenews.org).

### Accepting Nominations for the ASME Old Guard Early Career Award \$5000 Cash up for Grabs!

The Old Guard Committee honors ASME members that have made great strides in the engineering profession, community and the work of the Society by sponsoring the Early Career Engineer Award.

#### Eligibility

To first be eligible, you must be a current ASME member and have earned a baccalaureate degree in mechanical engineering or MET between years Feb. 1, 2004 – Feb. 1, 2006.

#### Prize

A Grand Prize of \$5000 CASH will be awarded to one recipient, including a prepaid life ASME membership (valued at \$3000).

#### Nominate an Early Career Engineer

Learn more about the selection criteria and how to nominate a friend or colleague today at <http://files.asme.org/asmeorg/Communities/EarlyCareer/8026.pdf>.

All nominations must be received by Monday, Feb. 1, 2010 - *Act Now!*

## ASME Salutes Space Exploration at 2009 IMECE



T.K. Mattingly addresses audience at 2009 IMECE Keynote Address

With a lineup of notables in the field of Space Exploration in attendance, ASME officially launched the 2009 International Mechanical Engineering Congress & Exposition under the theme “Space Exploration: Commemorating the Past, Envisioning the Future” in Orlando, Fla.

This year’s Keynote Address was delivered by veteran Apollo and Space Shuttle astronaut T.K. Mattingly. Mattingly, who was originally scheduled to fly on the Apollo 13 until he was exposed to the measles, was one of ground personnel who helped guide the astronauts on that troubled moon mission to safety.

“Technical competence, technology, all those things are important,” Mattingly said. “But it’s the systems engineering part of this, the discipline that lets us do complex, challenging things — and actually make them work — that was the human endeavor. We use fancy computers, and software and analysis and all kinds of stuff. And that won’t lead you anywhere unless you have that human connection where people work together and actually communicate and accurately exchange information.”

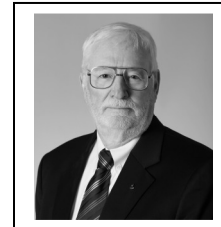
Before Mattingly took the stage, ASME President Amos Holt presented the ASME President’s Award – created in 1998 to recognize significant contributions to the engineering profession – to the crew of the famed Apollo 11 lunar mission. The presentation recognized the 40<sup>th</sup> anniversary of the mission and lunar walk.

Apollo Astronaut Buzz Aldrin, who was on hand to accept the award credited previous lunar programs, acknowledged the important of the Mercury and Gemini programs, which preceded the Apollo landing.

“We can’t disregard the first two flights that didn’t land, that paved the way for Apollo 11 to be able to land,” said Aldrin.

Later in the session, Executive Director Tom Loughlin introduced a video featuring ASME member and Mission Specialist John “Danny” Olivas, who flew aboard the Space Shuttle Discovery in September with a commemorative ASME patch.

## From the ASME President



At this mid-way point through our program year, I'd like to ask you to measure ASME's success on its vision: to be the essential resource for mechanical engineers and other technical professional throughout the world, for solutions that benefit humankind. As part of that measure, consider ASME's impact on the high-end technical knowledge base, as it is demonstrated through its service to industry, so that industry can do what it does best while remaining at the forefront of technological innovation.

ASME is asking its volunteers to create and nurture an engineering culture that is open to breakthrough technologies and new business models. To process these ideas efficiently, we have just launched an interactive ASME IdeaPort online, which was developed through the efforts of the Strategic Management sector and the Breakthrough Innovation Committee. This IdeaPort will help ASME process new-growth programs, from their exploration stages through incubation and implementation, and through to their assessment phases. New growth programs are generally high-risk initiatives that take 3 to 6 years. The ideas come from you the members. Learn how you can participate online at <http://submissions.asme.org/ideaport/>

Examples of this year's projects include the Base of Pyramid workshop that explores potential engineering development in the areas that represent the needs of more than 4 billion people who live in acute poverty. A report released this past June provides an overview of the Base of Pyramid market, the economic value it generates and its dynamics and driving forces.

To be "open" means to be able to approach our conversations as equals in a highly diverse community of engineers. It means we must listen well, give ourselves space to explore our disagreements, and find alternatives and common ground so that we can move forward together. It's a challenging, ongoing effort to bridge the gaps we find, as we strive to find common ground with our collaborative partnerships and to participate fully in growth markets. We are trying to make a good fit between what is profitable for ASME and what the world needs.

ASME's legacy serves us well. We've been celebrating the 125th anniversary of ASME standards, this year, which has ASME recognized worldwide for engineering excellence, reliability and safety. We have a history of education, research and advocacy that places ASME's reputation in the forefront of technological advancement and knowledge sharing. And it is technical knowledge that enables ASME's current projects and strategies to resonate throughout the world.

Last month at the 2009 ASME Congress, I mentioned that I often offer engineers a story about a horse and its rider as a metaphor for the organization and its leadership. And if ASME is the horse, then the rider is you, the volunteer.

ASME is working the horse this year with a strong commitment to its strategies, and with renewed efforts at operational efficiency, such as improved reporting structures and assessments on how it aligns resources to strategic goals.

It is a pleasure to see how far we've come to achieving our goals, and I look forward to my remaining months as president. Thank you for all your support. I'd like to thank the Board of Governors and others whose efforts over the years continues to work this horse into excellent condition.

Best holiday wishes,  
Amos E. Holt,  
President

### HELP SUPPORT THE BUFFALO SECTION OF ASME

Get your company featured on our web site and in our newsletters. Get exposure to our 400 plus technical membership. Publicise your open technical positions.

Go to <http://sections.asme.org/buffalo/> or email [ciccarella2@asme.org](mailto:ciccarella2@asme.org) for further information.



# Member Savvy

## The Value of ASME Membership



### This Month's Spotlight: ASME Membership New Year's Resolutions

Dear Members,

Many of us use this time to make our New Year's resolutions. I confess to not always keeping mine, but I respect the process of reflecting on the previous year and on the power of setting goals for the upcoming one. As we bid *adieu* to 2009, I'd like to share my musings on the last 12 months at ASME, and give you a preview of some of the things ASME has planned for 2010.

Here at ASME, 2009 was an exciting year:

- We celebrated the 125<sup>th</sup> Anniversary of ASME Codes & Standards, recognizing the role that ASME plays in technological progress, safety and service to the industry and government
- Significant progress was made on our three strategic priorities -- Energy Grand Challenge, Engineering Workforce Development and Global Impact. We will continue these efforts in 2010.
- Improvements were made to some of the membership benefits you've come to enjoy, including new content within the online career center and for the popular, members-only e-Library, we are making it easier than ever to access and use the 75 technical books and interactive tools
- Celebrating our 50-year partnership with Marsh and New York Life, ASME continued to offer members like you the best suite of personal and professional insurance products at some of the lowest premium rates available on the market today.

I truly believe that 2010 will be a banner year for ASME and specifically for our members. During the coming year, one of my personal goals is to improve the way members engage with ASME and ASME engages with you. A few highlights of what we have planned include:

- [www.asme.org](http://www.asme.org), our society web site, will begin to undergo a complete transformation. When launched, the new [asme.org](http://www.asme.org) will be a significantly more useful and engaging site to better meet your technical information, networking and career needs.
- Engineering for Change ([engineeringforchange.org](http://engineeringforchange.org)) is being designed as a technically advanced online environment that enables engineers from all disciplines to work virtually with non-profit organizations and other experts. The goal of [engineeringforchange.org](http://engineeringforchange.org) is to create solutions for fundamental quality of life challenges such as access to clean water, electricity and safe sanitary conditions that plague underserved communities throughout the world.
- We are excited to have strengthened our partnership with Engineers Without Borders (EWB-USA). In the coming months, you will have more opportunities to get involved, participate on projects that are making the world safer, cleaner and better. We are planning some dedicated Membership activities that I know you'll want to know about!

ASME continually strives to improve the value you receive in exchange for your Membership dues. We are working hard to ensure your complete satisfaction and will send out a Member survey in the spring. My goal is for ASME to achieve the highest satisfaction scores (9's and 10's) from you. If you ever feel we don't deserve those scores, please let me know why.

As always, **thank you** for your continued loyalty to ASME and for your support of the engineering profession. Please feel free to drop me a line at [membership@asme.org](mailto:membership@asme.org) and let me know how we can enhance your experience.

Happy New Year!  
Mike  
Michael Kreisberg  
Director, ASME Membership Development

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### ***Stay Tuned for Upcoming ASME Buffalo Section Programs....***

February – Butterfly Valve Hydraulics  
March – Joint Meeting with TSC  
April – 3 Hour Seminar Pressure Relief Valves  
April – Tour of Shea's Performing Arts Center  
May – Presentation on Marcellus Shale

<http://sections.asme.org/buffalo/>

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January 2010