

Chairman's Report

Welcome to the Spring 2011 Newsletter.

It has been a very busy time since our last one. We are now in the "slow recovery phase" of an economic recession. To help our members, the Chicago Section sponsored a Job Fair in November of 2010. We would deem our first annual Job Fair a success. This was a great ASME Chicago team effort. We would like to thank

Tom Peterson who arranged the venue, sent out the emails, updated the website and brought in the coffee and donuts.

Dave Klimas for arranging for Mr. Kulik of EN Engineering to attend. Mr. Kulik was instrumental in getting an additional recruiter, Ambitech to attend.

Bill Medcalf for arranging for Mr. Burdan to join us as a resume writer.

Barbara Biederman for her resume writing help.

Fred Biederman for his interviewing the attendees and bringing in a collection jar for the scholarship fund (we did receive donations).

Steve Slowik for arranging for Sterling Engineering to attend and helping to manage the queuing of the attendees.

We spoke with each of the recruiters, **EN Engineering, Sterling, Aerotek, Ambitech, and Belcan**. They said they were willing to repeat the fair next year.

(Chairman's Report continues on page 2)

Mark Your Calendar

Feb 20-26

National Engineers Week

Info at <http://www.chicagolandeweek.org/>

Feb 25

Chicagoland Engineering Awards Banquet

Info at <http://www.wsechicago.org/calendar.asp>

Feb 26

Engineers Week Open House, IIT Wheaton

Info at <http://dupageeweek.iit.edu/>

Mar 4

JETS Competition, IIT Wheaton Campus

Info at <http://www.jets.org/news/pr020711.html>

Mar 8

Joint ASME/SAE/ASABE Meeting, Darien

Mike Dalton: "Simplifying Innovation"

Info at <http://sections.asme.org/chicago/>

Mar 11

JETS Competition, IIT Main Campus

Info at <http://www.jets.org/news/pr020711.html>

Mar 24-26

FIRST Robotics Competition, UIC Pavilion

Info at <http://www.ilfrc.org/>

May 17

Joint AIChE/ASME Meeting, Location TBD

Dr. Stewart Daw: "Thermochemical Recuperation"

Know of an upcoming engineering event?

Let us know: chair@asmechicago.org

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How to find us

Section Web Address

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

Linked In Group

<http://www.asmechicago.org/linkedin>

Contact the Chairman

chair@asmechicago.org

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Chairman's Report

(Continued from page 1)

What could we have done better?

- 1) We should try for a larger room.
- 2) We should have reserved times for each personal interview to save waiting time.
- 3) We should have taken pictures for the newsletter and
- 4) We could have planned some ride sharing.

We will continue to post on our Linked In site every job opening we are given. If you are a recruiter, employer or your employer has an opening for a mechanical engineer please feel free to post it on the Chicago ASME LinkedIn group or email us with the requirements at chair@asmechicago.org and we will post it.

We would like to welcome two new members to our board, Richard Moss who will be our new Programs Chair and Rick VanSeters who will be Members Interest Chair.

Finally, you will be receiving a ballot for next year's Chicago ASME operating board members. Please take out the time to complete the ballot.

Thank you.

L.M.Wozniak

Lou M. Wozniak
Chairman, ASME Chicago Section

Martin C. Jischke to be honored at Chicago Engineering Awards

Friday, February 25, 5:30PM,
University Club of Chicago

Dr. Jischke will be presented with the Washington Award for his dedication and leadership at Purdue University and other academic institutions in promoting engineering research, institutional development and the pursuit of excellence in education.

Go to: <http://www.wsechicago.org/calendar.asp>

Simplifying Innovation

ASME/SAE/ASABE Chicago Joint Meeting, Tuesday March 8

Mike Dalton will be at Cornerstone Banquets in Darien to discuss ways to accelerate product development based on the Theory of Constraints.

Go to: http://sections.asme.org/chicago/Mar_8_11.htm

Chicago Section Scholarship Money goes unclaimed!!

The ASME Chicago Section has established an affinity scholarship in the annual amount of \$1,000, which may be awarded at the sole discretion of the Scholarship Committee and its parent organization, the Chicago Section of ASME International.

Eligible award recipients include persons who are closely related to a member in good standing of the Chicago Section of the American Society of Mechanical Engineers International. (i.e., children, grandchildren, parents; and legal spouses)

Applications are now being accepted for the 2011 ASME Chicago Section Scholarship.

For complete rules and application, go to: <http://sections.asme.org/chicago/scholarship.htm>

History and Heritage

Chicago Section wishes to establish new Engineering Landmarks.

Historic Mechanical Engineering Landmarks are existing artifacts or systems representing a significant mechanical engineering technology. They generally are the oldest extant, last surviving examples typical of a period, or they are machines with some unusual distinction.

Go to this website to see existing landmarks around the country, and let us know if you think something from Chicagoland should be added.

Go to: <http://www.asme.org/Communities/History/Landmarks>

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Air Venture 2010 Report

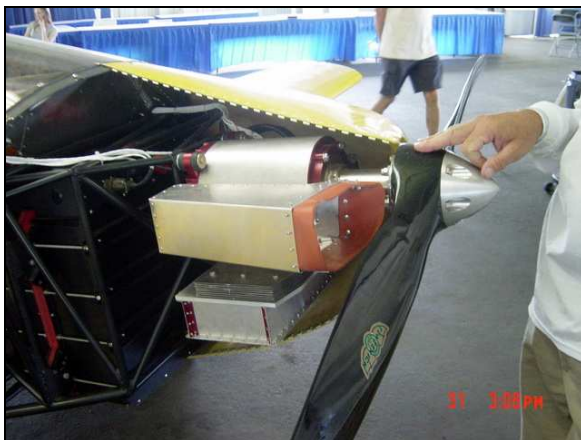
For anyone who loves aviation, its history, and its future the July 2010 Air Venture was like being a kid in a candy shop.

The early morning of the Chicago ASME trip to Air Venture 2010 on July 31, 2010 started out in a dark dawn that boded to be a day full of rain and having to spend it indoors in various hangars and the Air Venture Museum. By late morning, or about an hour after our arrival, the rain stopped and the skies opened up with sunlight and the sights, sounds and smells of aircraft of various vintages and sizes.

For anyone who loves aviation, its history and its future a day at Air Venture is like being a kid in a candy shop. An excellent opportunity to see, touch and learn more about aircraft and speak with their proud owners and designers. Designers like Burt Rutan or the engineers from Sikorsky who showed one of the first all-electric helicopters.

2010 was the year of the 75th anniversary of the DC-3, the plane that helped create modern commercial aviation. Parked alongside a gleaming aluminum DC-3 on walk in display was one of its predecessors a vintage Ford Tri-Motor, painted with dark blue painted accents at its front and along the edges of its corrugated aluminum fuselage. Other walk thru were a B-17 from WWII and a monster sized Galaxy C5. The ground shook during an afternoon air show that included pyrotechnics along with vintage war birds with names like Lighting, Mustang and Marauder.

A preview of the future of aviation was on display with a USMC Osprey (a combination of helicopter and airplane), the unmanned aerial vehicle (UAV) Global Hawk and a collection of private industry prototypes of clean, efficient and quiet hybrid, AC and DC servo electric motor driven air planes. The airplane is evolving and it has an electric future and we will have a further glimpse of it at the next Air Venture!



Announcements from ASME National



2011 Leadership Training Conference

March 3-6, 2011 • Dallas, TX

If you are an incoming or prospective executive committee officer (unit leader) or a unit leader who may have never attended a Leadership Training Conference (LTC) or ASME training seminar, then make plans to attend the 2011 LTC, March 3-6 in Dallas, Texas.

The LTC is designed to provide ASME unit leaders and key committee personnel with an opportunity to learn crucial skills and network with other units important to the successful operation of the Society. The LTC program will include:

- An overall view of the Society's organization and activities and resources
- Leadership skills training to help you succeed in leading your ASME unit
- The ASME Idea Mart – a mini expo featuring communities, units and sectors from across the Society
- Parallel tracks for first timers called [ASME 101](#), and the Advanced Leadership Forum for more seasoned leaders.
- Valuable networking opportunities with other leaders and ASME staff
- A forum for sharing ideas and best practices
- Leadership skills.... including a pre-conference workshop on Thursday - "The Leaders' Voice," with Ron Crossland, sponsored by the VOLT Academy.

Section, Division and Institute leaders have been asked to identify candidates from their respective units to attend. We encourage incoming leaders from across the society to self-fund delegates since the wide range and number of workshops is best suited for a delegate team from a unit.

For registration and conference details visit the Web site at <http://events.asme.org/LTC11/home.cfm>

ASME Turbo Expo in Vancouver

Plan now to join more than 3,000 turbomachinery colleagues from around the world at ASME TURBO EXPO, ASME's premier turbine technical conference and exposition, set for **June 6-10, 2011**, in Vancouver, Canada, at the **Vancouver Convention & Exhibition Centre**.

Turbo Expo has a well-earned reputation for bringing together the best and brightest experts from around the world to share the latest in gas turbine technology, research and development, and application. To address the world's increasing energy demands, IGTI's leadership is broadening the scope of the ASME Turbo Expo technical program to include related technical topics in Steam Turbines, Wind Turbines, Fans & Blowers and Solar Brayton & Rankine Cycle.

Professionals at every level should attend Turbo Expo, including students and young professionals. "I was a volunteer for Turbo Expo in Glasgow, Scotland. It was a fantastic experience. I got to see professionals from all around the world. I learned a lot as a session assistant by interacting with gas turbine professionals," said Xuna Li, University of Strathclyde, Glasgow.

"I was also able to attend sessions that I was interested in, such as those about wind turbines. I still keep in contact with some of the professionals I networked with at the conference. I also had a chance to view the exhibitions of some companies when I was not on duty. It was a great opportunity to see what the working world is like and to meet many new people," she added.

Don't miss it. Register online today at: www.turboexpo.org

National Engineers Week



ENGINEERS MAKE A WORLD OF DIFFERENCE

Engineers Week 2011 **Reach. Respect. Recognize.**

Engineers Week celebrates 60 years of being a global leader in cultivating and celebrating the engineering profession. Be part of the celebration! www.eweek.org. Free artwork for download:

<http://eweek.org/NewsStory.aspx?ContentID=224> Order your supplies: <https://shop.eweek.org/site/store/>

2010 ASME Boiler Pressure Vessel Code Now Available

The 2010 edition of the ASME Boiler and Pressure Vessel Code, including updates and revisions to meet changes industry practices, is available for purchase.

The code establishes rules of safety relating to the design, construction, operation, testing, and maintenance of boilers, transport tanks, nuclear power plant components, and other pressure systems.

Previously issued in 2007, the new code incorporates many changes that reflect advancements in design, materials, construction methods, and applications. The 2010 edition contains changes and revision in eleven of its twelve sections, including new specification and rules addressing nondestructive evaluation, nuclear components, welding and brazing, and ferrous and nonferrous materials. For more information on the ASME BPVC and for orders and details, visit:

<http://campaign.asme.org/bpvc10/home.cfm?track=go.asme.org>

Global Marathon For, By and About Women in Engineering and Technology March 7-12, 2011

Join free webinars and chat sessions, including the opportunity for participants to dialogue with the speakers, on topics including innovation, finding fun in technology, career choices, precollege outreach, leadership skills, and more... For more information on how to participate or host an activity contact: stenosm@asme.org

SwRI Training Week: Feb. 21-25, 2011

Southwest Research Institute
San Antonio, TX



Register for courses on gas turbines and centrifugal compressors, the root cause failure analysis of gas turbines, compressor performance testing and dynamics, machinery performance testing and troubleshooting.

When you register for more than one course being held during Training Week, you will receive 10% off the total fee.

Register today at:

<http://files.asme.org/IGTI/Education/25570.doc>



Register today for the Introduction to Compressor Aero Design and Performance Webinar, March 23, 2011, 11:00 AM - 12:00 PM EST

Course Overview:

The focus of this presentation will be aerodynamic fundamentals of how compressors work, how they are designed, how their performance is evaluated, and how they operate in the field. This introductory webinar is targeted to engineers with an interest in gas turbine engines and their operation.

Each registered attendee will receive one Professional Development Hour (PDH) and an electronic certificate of completion.

Instructor Profile:

Patricia Cargill holds a BSME from Iowa State University. She has thirty years experience in fan & compressor aerodynamics, at Garrett and at GE Aviation. Cargill is currently the manager of the Fan & Compressor Aero Design group at GE Aviation in Evendale, Ohio.

EWB-USA International Student Conference

March 24-27, 2011

<http://www.ewb-usa.org/conference/2011>

Inspirational Engineering:

Empowering Global Communities through Transformative Leadership

Join us in Louisville, KY, USA!

Sign up now for your discounted ASME/EWB-USA joint membership!

http://www.asme.org/Membership/Members_Can_SAVE_20_EWBUSA.cfm

IGTI Scholarships Available Now!



The ASME International Gas Turbine Institute awards one \$4,000 scholarship every year based on superior academic performance and demonstrated interest in the gas turbine, propulsion, or turbomachinery industries to an undergraduate or graduate student. **Applicants must be ASME Student Members in good standing at the time of application.**

Applications for each academic year are accepted online each year only from **Jan. 15 through March 1**, after which our online application is closed. **[PLEASE READ the detailed INSTRUCTIONS for the application form here.](#)**

If you are not a member and would like to join, see our **[Student Online Member Application.](#)**

Congratulations to our Past Winners!

2010 Winner: Stephen Clark, Duke University
2009 Winner: Tejas Chafekar, Birla Institute of Technology & Science, Pilani, India
2008 Winner: Gregory Bond, Baylor University



Free For ASME Members: e-Greeting Cards!

Thank a co-worker ... Say "hi" to your boss...Reach out to a former or current teacher...Tell a loved one you appreciate their support ... Surprise a colleague you've lost touch with...

ASME is celebrating Engineers Week, Feb. 20-26, 2011 with a unique and fun activity, especially for our Members. e-Greeting cards are a great way to send a creative message to friends, co-workers and loved ones to brighten their day.

e-Greeting cards are **FREE** and easy to send! The recipient doesn't have to be an ASME Member, and you can send as many as you like. Click on **go.asme.org/ecards** and send an e-Greeting to a colleague or friend today!



ENGINEERS WITHOUT BORDERS
USA

ASME's strategic partner Engineers Without Borders-USA is currently seeking professional engineers to serve as mentors for the organization's more than 250 student chapters in the United States.

If you're interested in sharing your technical skills with the engineers of tomorrow — and making a real difference in the lives of people in developing countries throughout the world — visit **www.ewb-mentors.org/EWBmentor** to learn more about how to become an EWB-USA professional mentor.

Last January, ASME and EWB-USA entered into an enhanced strategic partnership to leverage each organization's strengths to benefit future joint initiatives and objectives. Now an EWB-USA Principal Partner, ASME began its collaboration with EWB-USA in 2003 when ASME served on the EWB-USA board of directors as the first society partner to provide dedicated resources to support EWB-USA's mission. Today, both organizations share similar strategic interests, including the development of the engineering workforce, making an impact on global needs and contributing to renewable energy initiatives.

As a result of this partnership, ASME members are now entitled to a 20 percent discount on membership dues when they join EWB-USA. ASME members can now join EWB-USA as a Professional Member for \$80 (\$20 off the regular cost), or as Supporting Member for \$60 (a \$15 savings). For additional information on enrolling in EWB-USA, visit **www.asme.org/membership/Members_Can_SAVE_20_EWBUSA.cfm**.

For more information on Engineers Without Borders-USA, visit **www.ewb-usa.org**. To find out more about ASME's partnership with EWB-USA, visit **www.asme.org/Communities/Students/Undergrad/Engineers_Borders_2.cfm**.