



American Society of Mechanical Engineers

Cleveland Section News

October, 2005

Edited by Doug Wright

<http://www.asme.org/sections/cleveland>

Global and Local Perspectives on Wind Energy

- Date:** Thursday, Oct. 20th, 2005
- Time:** Dinner 6:00, Program at 7:00
- Place:** Case Western Reserve University,
Crawford Hall Room 720
- Cost:** \$10 for adults, \$5 for engineering students (everyone pays at the door). There is no charge for those not having dinner.
- Menu:** Pizza, Pasta, and Salad

Reservations:

By Friday, October 14th, 2005
Cindy Rosenberger
Phone: 216-368-0748
Fax: 216-368-0718
crosenberger@ncmr.org
Reservations are binding; no-shows will be charged.

Section Chairman's Message

Welcome everyone to the ASME Cleveland Section 2005-2006 program year. The following individuals have volunteered their time and energy to lead the ASME Cleveland Section as officers on the executive board.

Brad Pausche – Secretary	Mike Powers – Vice Chair
Tony Nerone – Treasurer	Steve Weiler – Chair

Last year was an exciting program year. The 2004-2005 program year concluded with the 9th Annual History & Heritage Program at the Ohio Aerospace Institute. In September, the 2005-2006 program year began with a joint program organized by the ASME Akron Section at the Silver Lake Country Club. This month the ASME Cleveland Section will join members of the CWRU ASME Student Section for a presentation on wind energy by Dr. Fletcher Miller.

The section officers published a letter in the ASME Cleveland Section September Newsletter to notify section members of several ASME policy changes. In addition, the officers solicited feedback from you regarding these policy changes that will affect the way that the section

Speaker Bio:

Dr. Fletcher Miller. Dr. Miller is a researcher at the National Center for Microgravity Research at NASA, and a founder of Green Energy Ohio, a nonprofit group promoting environmentally and economically sustainable energy in Ohio. He has been involved in wind monitoring and research since 1996 in Ohio, and led the study that brought the first utility-scale wind turbines to Ohio in 2003. More recently he has been involved in wind monitoring on the Cleveland Water Crib and on cell towers across the state

Abstract:

Wind energy is the fastest growing energy source in the world today, and offers clean, quiet, and fuel-free electricity. After being pioneered by NASA Glenn Research Center in Cleveland in the early 1980's, large, utility-scale turbines are supplying significant amounts of electricity in several European countries, and are appearing in greater numbers across the US. This talk will discuss briefly the history of wind power for electricity generation, recent developments in large-scale turbines, the potential for wind power here and globally, and what is going on in Ohio to bring more wind turbines and related jobs to the area.

leadership receives financial, program, and administrative support from ASME corporate. Surprisingly, only 2 of 810 section members responded to the letter with their comments. Is the lack of feedback due to member apathy or does it indicate that few members read monthly section newsletters?

The executive board is always looking for feedback from section members. Please contact me by phone or email at weilers2@asme.org with your comments and suggestions as to how your section leaders can better serve you. I look forward to meeting you throughout the program year.

**2005 – 2006
ASME OFFICERS &
COMMITTEE CHAIRS**

Chairman: Steve Weiler
(330) 558-3919

Vice Chair: Mike Powers
(216) 346-4970

Secretary: Brad Pausche
(330) 558-7211

Treasurer: Tony Nerone
(216) 433-5119

Employment: Dick Akers
(330) 467-3756

Newsletter: Doug Wright
(440) 582-8077

History & Heritage: John Varley
(440) 544-2257

Awards: Jim Green
(330) 558-7151

Web Master: Matt Cantlin
(330) 558-3923

See the e-version of the Newsletter on the Section Web Site for the following articles: (<http://www.asme.org/sections/cleveland>)

More articles and news in the e-version newsletter.

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Attention Computerless Members!

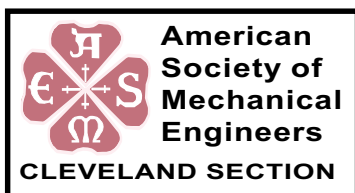
Due to rising costs and tighter budgets there will no longer be print versions of the newsletter. You are encouraged to read the electronic version of this monthly newsletter at <http://sections.asme.org/Cleveland/>. You must contact ASME customer service at 1-800-THE-ASME (843-2763) and give them an e-mail address so that you can receive email notifications that the monthly newsletter is available for viewing on the section website.

Newsletter Deadline for NES, Features or Advertisements is the 20th of each month.

Membership Applications for ASME Organization

Cleveland Section ASME members are encouraged to invite their nonmember colleagues to join ASME. Applications can be downloaded from the ASME International website @ <http://www.asme.org/jointoday/>

Printing by Graphic Gallery Quick Print (216) 362-6233



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Cleveland Section
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Dated material
Do not delay!

Join Us for the ASME Honors Assembly at the 2005 International Mechanical Engineering Congress & Exposition!

On Tuesday, Nov. 8, please join us for the ASME Honors and Awards Assembly, an impressive audiovisual display in recognition of mechanical engineering excellence and achievement.

The ceremony will feature the presentation of several awards, including the Melvin R. Green Codes & Standards Medal and the Spirit of St. Louis Medal. ASME Honorary Membership will be bestowed upon Sia Nemat-Nasser, ASME Past President Charles O. Velzy and Governor John H. Sununu.

The Honors reception and dinner in recognition of the honorees will immediately follow Assembly and provide attendees ample opportunity to convene with the honorees and colleagues. The cost of tickets to the Honors Dinner is \$90, however you may attend both the Assembly and reception free of charge.

Those wishing to purchase tickets for the dinner can do so in the Registration area of the Walt Disney Swan Hotel. For more information, log on to: <http://www.asmeconferences.org/congress05/>



American Society of Mechanical Engineers

Celebrating 125 Years of ASME

This month, ASME will host **World Standards Day** activities, in recognition of collaborative and voluntary efforts worldwide as well as to raise awareness of the importance of global standardization to the world economy and to promote its role in helping meet the needs of business, industry, government, and consumers.

On Oct. 6, a banquet will be held at the U.S. Chamber of Commerce, Washington, D.C., and will include representatives from standards-setting societies and related government agencies.

For more information, contact Katherine Holmes at holmesk@asme.org.

ASME Connections Now On ASME.ORG

As ASME moves to the implementation phase of its reorganization, it has become essential to provide membership with a centralized site for accessing up-to-date information.

ASME Connections (www.asme.org/asmconnections) provides easy access to the new structure and strategies of ASME. At *ASME Connections People*, meet the faces behind some of the successes so far; converse with other members at ASME's growing *Communities of Practice* web forum; and learn about the new programs that are being developed by the Society at the *New Initiatives* link. You may also access a number of news outlets such as *ASME News Online*, *Inter-Comm*, the quarterly news publication, and the *ASME Press Room*.

ASME Connections will be updated regularly. For additional information, contact Mel Torre, director, Communications at torrem@asme.org or 212 591 8157.

The Future of Engineering

ASME's Center for Leadership and Diversity will sponsor a special national forum on "The Future of Engineering: The Role of Diversity in Engineering Education" in conjunction with the 2005 International Mechanical Engineering Congress and FR&D Expo on Sunday, Nov. 6 at 2:45 pm at the Walt Disney World Swan and Dolphin Hotels in Orlando, FL. Dr. John Brooks Slaughter, president and CEO of the National Action Council for Minorities in Engineering, Inc., will be serving as this year's forum moderator.

The goal of the forum is to have an open and informed discussion of how leading academic institutions are incorporating diversity as a strategy into their business plans. What are academic institutions doing to reach out to females and non-traditional male engineering students? How will the changing demographics affect the ability of not only academic institutions but also industry and government to meet the demands of the 21st Century global workplace?

Participation in the forum is open to the public at no charge. All interested in attending should contact Mary James Legatski at legatskim@asme.org to pre-register.

One Stop for ASME Member Support

Now that ASME has moved on from Continuity & Change to the Implementation phase, one of the obvious changes will be in how we support our members. Now that our field offices have been closed, member support has been consolidated in the ASME Information Central. Should you need to contact ASME with questions regarding your membership, you'll only to call one phone number, or send one email.

Phone: 800-843-2763

Phone: 001-800-843-2763 (Mexico)

Phone: 973-882-1170 (Outside North America)

Fax: 973-882-1717

Email: infocentral@asme.org

For a full list of contact information, please go to:
<http://regions.asme.org/closures>

ASME News Is Now Online!

As of August 2005, ASME News will be available to membership exclusively online at <http://www.asmenews.org>

When a new issue of ASME News is posted, a special announcement will appear on the ASME homepage and on Mechanical Engineering magazine online's *only on M.E. Magazine box* (located in the table of contents page of the magazine).

Diversity Action Grants Available!

The Center for Leadership & Diversity is requesting your assistance in promoting its Diversity Action Grant (DAG) Program to your ASME Student Section for the 2005-06 academic year. This competitive program awards grants ranging from \$500 to \$1,500 to ASME Student Sections to sponsor events which:

- Promote the inclusion of women and under-represented minorities in ASME Student Sections and in mechanical engineering;
- Inspire K-12 students to excel in science, technology, engineering and mathematics (STEM) education; and/or,
- Assist minority- and/or women-owned businesses solve engineering design problems.

Projects should be collaborative partnerships with other minority and women's engineering societies on campus, e.g., NSBE, SHPE, SWE, etc.

Applications are available for the 2005-06 academic year, and are due no later than **Nov. 1, 2005**. For additional information on the DAG Program, as well as the on-line application, go to <http://www.asme.org/communities/diversities/bdo/dag.html>.

If you have any questions, please contact Mary James Legatski in ASME's Center for Leadership & Diversity at 302-539-1354 or via e-mail at legatskim@asme.org.

Taking Advantage: Host Affordable Short Courses

In recent months, ASME Continuing Education Institute has worked closely with Sections to provide expert training to local professionals. ASME CEI works closely with the requisite instructors to insure the needs of the Section are met. ASME CEI can market the course on its website and administer the registration process. CEI provides the instructor comprehensive course materials and as an Authorized Provider of CEUs, can process and track the certification engineers require to retain their state licenses.

Here is all you have to do:

- Conduct Local Marketing
- Secure Course Venue
- Provide Hotel Accommodations for Instructor
- Copying & Distributing Course Materials
- On-site Registration

With the responsibilities shared, ASME CEI and the Section will split the generated revenue once all expenses are paid. The resulting net profit will be divided evenly, insuring both parties' costs are covered and benefits realized.

This relationship provides Sections the opportunity to host affordable, high-quality courses presented by industry experts in their own backyard. If you would like to find out more on how to bring a short course to your section, contact Russ Girardi at 212-591-7161 or via e-mail at girardir@asme.org.

ASME Partners with ThomasNet®

ASME has partnered with ThomasNet.com to bring their industrial search engine to ASME.org.

ThomasNet is an industrial search engine that provides one source for finding the exact product, service, or supplier they need - at the exact time they need it. It also gives buyers direct access to the detailed information they need to make a purchasing or specifying decision, including line-item product details, CAD drawings, and more.

To use the search, simply enter the product or service you need in the Product Search box on the left side of main ASME.ORG pages and click the GO button. This will take you to a page with a list of vendor that has the resources you have been searching for.

Thomas has been connecting industrial buyers and suppliers for over 100 years through Thomas Register® and Thomas Regional®. Powered by those well-respected directories, ThomasNet brings together industrial buyers and suppliers on a national, regional, and local level.

ASME.org is pleased to partner with ThomasNet to offer this useful resource to its members.

Student Activity Calendar

October

- Oct 1 [Renewal](https://members.asme.org/catalog/DuesRenewal.cfm) Deadline: 2005-06 ASME Student Membership <https://members.asme.org/catalog/DuesRenewal.cfm>
- Oct 15 Application Deadline: [Winter/Spring Student Loans](http://www.asme.org/education/enged/aid/loan.htm) <http://www.asme.org/education/enged/aid/loan.htm>
- Oct 22 Application Deadline: [2005-06 Graduate Teaching Fellowship](http://www.asme.org/education/enged/aid/fellow.htm) <http://www.asme.org/education/enged/aid/fellow.htm>
- Oct 28 Fundamentals of Engineering Exam

November

- Nov 1 Preliminary Report Due: [Ingersoll-Rand Contest](http://www.asme.org/students/ingersoll-rand/index.html) <http://www.asme.org/students/ingersoll-rand/index.html>
- Nov 1 Application Deadline: [Diversity Action Grant](http://www.asme.org/communities/diversities/bdo/dag.html) <http://www.asme.org/communities/diversities/bdo/dag.html>
- Nov 5-6 [Young Engineers Forum](http://www.asme.org/yef/) – held at Congress <http://www.asme.org/yef/>
- Nov 6 [Student Design Contest](http://www.asme.org/students/Competitions/designcontest/index.html) – Finals held at Congress <http://www.asme.org/students/Competitions/designcontest/index.html>
- Nov 5-11 [Congress](http://www.asme.org/students/Competitions/designcontest/index.html) – Orlando, Fla. <http://www.asme.org/students/Competitions/designcontest/index.html>
- * [Old Guard Oral Competition](http://www.asme.org/cma/og/oralprescontest.html) – held at Congress <http://www.asme.org/cma/og/oralprescontest.html>

A Year in Antarctica: What One Engineer Did Akron/CAM ASME joint November meeting

Date: Wednesday, November 2, 2005

Time: 5:30 PM Social hour, 6:30 PM Dinner, 7:30 PM Program

Place: 356th Fighter Group Restaurant, 4919 Mt. Pleasant Road, North Canton

Cost: \$25 for adults, \$10 for engineering students (everyone pays at the door)

Menu: Buffet will have salad (fresh mixed greens with Italian vinaigrette dressing), top round of beef, lemon pepper chicken, red skin potatoes, fresh vegetable medley, oriental stir fry vegetables, rolls and butter, iced tea or coffee, and sherbet for dessert. "Cash bar" for alcoholic beverages.

Reservations:

By Wednesday, October 26. Reservations can be made at either akronasme@mail.com or 330/722-6188, stating names of all attendees, your society affiliation, and contact info to let us get back to you to confirm.

Program:

Presented by Ms. M K "Trina" Baldwin. P.E.

This multi-media presentation covers the experiences of Lieutenant M K Baldwin, Civil Engineer Corps, United States Navy, during her year as the Officer in Charge of the 1990-1991 Winter-Over Detachment McMurdo, Antarctica. Constantly cold and windy, and dark for half of the year, Antarctica is considered one of the harshest climates on Earth. Things that we take for granted here in the U.S. are often extremely challenging in the Antarctic. Things like building roads and piers, operating machinery, fighting fires and construction. Come listen and see what it was like on the seventh continent. This presentation begins with a short description of the continent. The major portion of the presentation is a narrated slide show covering aviation and ship operations, and daily life. Questions from the audience are welcomed during the presentation as well as afterwards. As time permits, additional photos of the surrounding area and wildlife, and video clips from the fire, midwinter medevac, and pier construction are available. Ms. Baldwin is a recently retired Commander in the Civil Engineer Corps of the U.S. Navy. For twenty years, she served in a variety of construction management, facilities maintenance, and headquarters-level staff positions for the Navy, Marine Corps, and Department of Defense. In addition to Antarctica, she served on Guam, Sicily, Okinawa, and several locations in the U.S. She graduated from Clemson University in 1984 and earned a Masters in Mechanical Engineering from Georgia Tech in 1992.