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FEB 2012

Volume 1, Issue 1

Meetings Scheduled

DATES: Normally, the 2nd Tuesday of February, April, September, and November

DATE CHANGE !!! (Due to Valentine's Day)

February 21, 2012 Meeting: **New Healthy, Airside Solutions to Significantly Reduce Your Carbon Footprint**
Presenter: Michael Leinweber, Sales Account Manager
Ingenuity IEO
(see pg 2 for more details)

April 10th Meeting: **Green Energy Jobs—By: John Sarver**
(see pg 8 for more details)

September 11th Meeting: **(To be announced)**

November 13th Meeting: **(To be announced)**

MEETING LOCATION: Alfred Taubman Student Center—Room C406 at Lawrence Tech
Located 100' west of Lodge Freeway and on the north side of 10 Mile.
The Alfred Taubman Student Center is building 13, south of main parking lot C and Management Building.
See map for details. (www.ltu.edu/map)

MEETING COST: **FREE FOR Chapter Members**
Guests—\$25 and Students / Seniors—\$19

AGENDA: **4:30PM - BOARD MEETING (CLOSED SESSION)**
5:30 pm—SOCIAL TIME / CHAPTER BUSINESS
6:00 PM—DINNER
6:15 PM—PRESENTATION / QUESTIONS
7: 15 PM—ADJOURN

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Special points of interest:

- CEM Training by EMAEE, Trane, and Tremco.
- Scholarships and Job Postings now available on chapter website.
- AEE Save the Date and Call for Papers.
- NEXT MEETING:

FEB. 21, 2012

GUESTS ARE ALWAYS WELCOME TO ATTEND OUR MEETINGS



East Michigan Association of Energy Engineers

Winter 2012 Meeting:

Tuesday February 21, 2012 (note date changed from 2nd Tuesday for this meeting only)

MEETING LOCATION:

Alfred Taubman Student Service Center at Lawrence Technological University Rm C406

MEETING COST:

FREE for Chapter Members

Guests = \$25

Students/Seniors =\$19

AGENDA:

5:30 p.m. -- Social Time / Chapter Business

6:00 p.m. – Dinner

6:15 p.m. -- Presentation by Guest Lecturer with questions to follow

New Healthy, Airside Solutions to Significantly Reduce Your Carbon Footprint

By: Michael Leinweber, Sales Account Manager, Ingenuity IEO

Summary of presentation:

In the face of increasing energy costs and concerns over global warming, buildings are receiving increasing scrutiny to reduce their carbon footprint and cut their energy expenses. However, unlike in the 70's, today's buildings need to provide a healthy and comfortable indoor environment as well. Add to this the growing interest in making buildings green using the USGBC LEED (Leadership in Energy and Environmental Design) guidelines and what is a building owner to do?

A big part of the answer to this question revolves around how a building controls outside air since outside air is the largest single driver of both a building's energy efficiency and its indoor environmental quality. In the past, such approaches as economizers and demand control ventilation have attempted to reduce energy expenses by controlling outside air but the actual results over time have been mixed at best.

This presentation will discuss a new, more energy efficient and healthier variation on demand control ventilation as well as how economizers can be operated more reliably with greater energy efficiency. The key to improving the operation of these outside air control approaches is a new, cost effective, and highly accurate sensing technology that will be discussed known as multiplexed sensing.

Additionally, a new approach for demand based control of air change rates in laboratory rooms will also be presented. This control approach can drop air change rates significantly when lab air is clean and increase it to higher, purge level rates when chemical vapors or particles are sensed in the room. This one approach has often been shown to be the single largest energy conservation measure safely applicable for many laboratory buildings.

Case study examples will also be presented of how this new technology is being employed.

Presenter Biography:

Michael Leinweber
Ingenuity IEQ

Michael Leinweber is a dynamic LEED accredited sales account manager for Ingenuity IEQ.

With 27 years of experience, he is an expert in construction management, business development and sustainable design. He has worked with a large variety of clients including owners, engineers, and architects to drastically improve critical airflow conditions while significantly reducing energy and maintenance costs. He is skilled in project management, architectural design and in developing innovative solutions to business problems.

Certified Energy Manager Training, April 16-19, 2012

The Eastern Michigan Chapter of the Association of Energy Engineers, Tremco, and Trane present:

Certified Energy Manager (CEM) Study Session and Examination

Date/Time: April 16-19, 2012 for Study Sessions (8:00am—5:00pm)
April 20, 2012 Examination (8:00am—12:00pm)

Cost: Study Session and Examination—\$1,600 Four day Energy Management Study Session

Price includes training, 400 page workbook, Energy Conservation Guide book, and exam/\$300 application fee.

Study session includes lunch and handouts.

Location: Trane, 37001 Industrial, Livonia, MI 48150

RSVP: April 10, 2012 (space is available to the first 25 people)

Payment: Please make checks payable to :

[Tremco, Inc., Attention: Angela Sotera, 3735 Green Road, Beachwood, OH 44122](#)

Questions / Contact: **Alicia Woodward**
(256) 830-6556
awoodward@tremcoinc.com

Application Website:

<http://www.aeecenter.org/files/certification/CEMLiveSeminarCompleteApplicationINHOUSE.pdf>



Invitation to EM A & WMA Professional Development

The Eastern Michigan Chapter of the Air & Waste Management Association Invites you to their February Workshop Hosted by GZA GeoEnvironmental, Inc.

Building Energy Performance Audits—The next step in Property Assessments and Building Sciences

Please join us on February 9, 2012 for a comprehensive Workshop covering the emerging practice of completing a Building Energy Performance Audit (BEPA) for property assessment purposes, and the ASTM Standard that defines BEPA. The workshop will provide valuable information for all those involved with property assessments or transactions within the U.S. and features Mark Bennett, Esq., Miller Canfield Paddock and Stone, the Co-Chair of the Legal Subcommittee that developed the ASTM.

Mr. Bennett will provide the insight on industry drivers, a legal perspective on the value and necessity of conducting a BEPA, and a discussion on the ASTM that defines BEPA.

Mr. Brian Bursiner of Sustainable Real Estate Solutions (SRS) will team with Mr. Bennett to discuss the practical aspects of completing a BEPA, from data collection to report development.

The workshop is scheduled for Thursday, February 9, 2012 and will be held at Automation Alley, 2675 Bellingham Drive, Troy, MI in the Atrium Conference Room, compliments of IEEE Power and Energy Society, SE Michigan Chapter. Registration begins at 8:30am; Workshop runs from 9:00am—11:00am.

Space is limited, pre-registration is required. The cost of the workshop is \$25 (AWMA members) and \$35 (non members) and includes a continental breakfast hosted by GZA GeoEnvironmental, Inc. Registration instructions can be found on the East Michigan AWMA website at: <http://www.emawma.org>

AEE Scholarship Applications Needed

Know an outstanding student in college involved in energy related studies? The Association of Energy Engineers Scholarship program is looking for applicants. See www.aeecenter.org for more information on scholarship awards. Please submit to the Chapter Scholarship Chair David Everest or to the National Scholarship Chair.

Contributed by: *David Everest, Ph.D., President of EMAEE*

AEE Job Postings Now Online

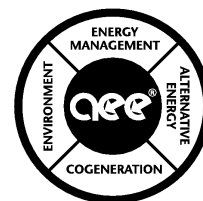
The EMAEE has added a new area to the website for all the job seekers out there. The Jobs section lists all of the job postings that EMAEE receives for energy engineering jobs in Southeast Michigan. The postings are updated upon request from the job advertiser, so check the page frequently if you are looking for work in the field. The page can be found at <http://www.emaee.org/jobs.php>. If you have a job to post, please contact the website administrator, Steve Moore, at admin@emaee.org.

Contributed by: *Steve Moore II, PE, CEM, LEED AP, Website Admin.*

Mentors and Mentees Wanted!

The CWEEL is looking for Mentors and Mentees to participate! The AEE Committee for Women in Energy and Engineering Leadership (CWEEL), has created a Mentoring Committee to enable our members to work together to enrich our opportunities. Sharing our experience to benefit our colleagues enriches each of us. For more information go to: www.aeecenter.org/mentor

Contributed by: *Lori Van der Voort*





EMAEE Chapter Awards

Recognizing Excellence in Our Field!

Who is eligible?

EMAEE awards are presented to achievers who have prominence in the energy field (see qualifications below). Candidates for awards may be nominated by themselves, another individual, another chapter member, or by officers of the Eastern Michigan Association of Energy Engineers.

Deadline for Entries

We invite you to submit your entries in any of the four categories by September 2012.

Where to Send Nominations?

Submit nomination in person at the September EMAEE meeting, or email the Awards Committee Chairperson at bsnyder@ids-troy.com

Qualifications:

1. The nominee is generally recognized for his/her contribution to the field of Energy Management.
2. Nominee continuously promotes local EMAEE chapter beliefs and activities.
3. For local award, nominee is highly recognizable contributor in alignment with EMAEE beliefs.
4. Nominee is local chapter member or nominated by a member in good standing.
5. Nominee has attended some of the local chapter meetings.

A. Chapter Energy Engineer of the Year Award

Presented for outstanding accomplishments in promoting the practices, principles and procedures of energy engineering, and for superior service to the association.

B. Chapter Corporate Energy Management Award

Presented for outstanding accomplishments in developing, organizing, managing and implementing their corporate energy management program and for superior service to the association.

C. Chapter Energy Professional Development Award

Presented for outstanding accomplishments in training and energy development of energy engineers and managers, and for superior service to the association.

D. Chapter Energy Manager of the Year Award

Presented for outstanding accomplishments in promoting the practices, principles of energy management and development, and for superior service to the association. (Usually awarded to a Corporate Director of Energy or Energy Manager performing duties for an industrial firm, plant, or building owner/manager)

Contributed by: *Bruce Snyder, CEM, Awards Chair for EMAEE*

AEE National News

SAVE THE DATE

Announcing AEE 2012 Energy Conference and Tradeshow Events

23rd Globalcon (www.globalconevent.com)

Atlantic City, NJ

March 7-8, 2012

Atlantic City Convention Center

30th West Coast EMC (www.energyevent.com)

Seattle, WA

May 23-24, 2012

Washington State Convention Center



35th WEEC (www.energycongress.com)

Atlanta, GA

October 31—November 2, 2012 / Expo: Oct. 31 and Nov. 1

Georgia World Congress Center

CALL FOR PAPERS

The WEEC Advisory Board and Association of Energy Engineers cordially invite AEE members to submit an abstract for consideration to speak at the 35th World Energy Engineering Congress, as shown above. Suggested topics include: Carbon Reduction and Sustainable Development, Energy Basics, Energy Management, Energy Policy, Energy Services, Green Buildings, High Performance Buildings, Natural Gas and Electric Purchasing, Power Generation, Renewable Energy, and Transportation Systems. Please submit abstract to www.aeecenter.org/weecabstract.

EMAEE Chapter Officers

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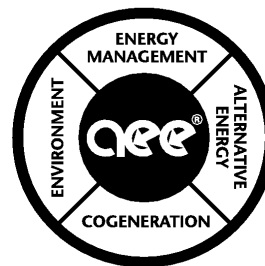
Don't gamble with your Environmental and Energy issues use the skills of an experienced Certified Energy Manager or Business Energy Professional to help you.

Contact one of the EMAEE Chapter Officers for more information.

NEXT MEETING NOTICE!!!

April 2012 EMAEE Meeting—Green Energy Jobs

John Sarver will provide an overview of Green Energy Jobs in Michigan and the U.S. John recently retired from the Michigan Energy Office where he promoted energy efficiency and renewable energy for 35 years. In addition to talking about green energy job prospects and trends, John will discuss government policies that will impact the growth of green energy jobs in Michigan.



**If you would like to be added to the EMAEE email list please visit:
<http://www.emaee.org/newsletter.php>**

There will be a form at the bottom of the page to fill out.