



Chicago Section News

Calumet and Skokie Valley Subsections

August 2006

Find The Chicago Section On The World Wide Web At www.sections.asme.org/chicago

You haven't heard from us?

If you aren't receiving email notices from us it's because we can't reach you by email. Maybe we don't have a working email address for you. The easy way to solve this problem is to send an email to ASME@arksvc.com from your preferred email address and make sure we are not locked out by your spam software. We send emails to hundreds of ASME members and some additional friends so it isn't surprising spam detection software often thinks our important messages are spam. It's up to you to make sure you don't lock us out. We probably won't send another postal newsletter until January 2007 and then only to those we know don't have working email addresses. Meanwhile, look for updates at www.sections.asme.org/chicago.

ASME Chicago Section hopes you are enjoying the summer and looking forward to our programs starting with the September plant tour. For any of the meetings below to sign-up you may call 847-646-6054 (Tom Peterson) and leave a message, or send email to peterona3@asme.org. Best of all is to sign-up at <http://sections.asme.org/chicago>. It's a good idea to visit the website in case of changes and to get other updates. There are also more details about each meeting at the website.

Tuesday, September 14th @ 6pm - *Plant tour at Tuthill Pump Group, Alsip*
12500 S Pulaski, Alsip 708-293-3158

Tuthill Pump Group is a positive displacement pump manufacturer that has been in business since 1927. The company's internal and external gear positive displacement pumps are built on over 75 years of time-tested performance, flexible and innovative design, and gear pump engineering excellence. Tough, reliable parts, diverse product lines, and a host of customization options make Tuthill Pumps the perfect choice for almost any application. See <http://sections.asme.org/Chicago> for more details including a map and list of many restaurants in the area.

Mike Mulcahy, V.P. Research & Engineering and a member of ASME, will explain what the company means by lean manufacturing.

Visitors who have safety glasses should bring them and those with steel toe shoes should wear them. Open-toe shoes will not be permitted on the tour.

Early registration is encouraged to help the plant plan with appropriate guides.

Registration deadline Tuesday, September 12. Tour Sept. 14th - - - 6:00p.m. Check-in, 6:30p.m. Tour

Cost: Members & first guest \$6, students \$6, other guests \$10

Payment by cash or check at the door - no credit cards. Check or correct cash preferred.

Sign-Up at the web site, call 847-646-6054 (Tom Peterson) and leave a message, or send email to peterona3@asme.org.

Tuesday, Oct. 3, 2006 @ 6pm - About Odors, Hackneys, Wheeling

Presented by Harold Rafson - Odors are generated by many processes. Odors have unique differences from common air pollutants. Odors are not a mystery and this presentation discusses types of odor processes, sources of odors, odorous compounds, odor threshold concentrations, efficiencies of removal, odor perception, odor testing procedures, engineering considerations in controlling odors including odor generation, containment, collection and control. Mr. Rafson wrote and edited the ***Handbook of Odor and VOC Control*** and has been active in consulting on odor control problems. See the website for more info.

Hackneys, 241 S. Milwaukee Ave., Wheeling, IL 60090 847-537-2100
6:00 PM Check-in and Networking - - 6:45 PM Dinner -- 7:30 PM Presentation
Dinner is a buffet with two entrees, details at the website.

Meeting fee: \$25 for members and their 1st guest, \$30 for non-members, and \$13 for students.
The deadline for registrations is Friday September 29th

Thursday, November 9th @ 6:00 pm – "Work/Life Balance Issues" by Dr. Peter Whalley, Loyola University - - - Chicago Location to be determined

As we went to press the Programs Team was still finalizing arrangements.

ASME Chicago needs additional volunteers to help improve our member services.
Contact Chicago Section Chair Al Kishpaugh at ASME@arksvc.com or 708-371-3674

Monday, December 4th @ 6pm – *Awards Dinner & "The Acme Coke Plant and the Re-making of Chicago's Calumet Industrial Landscape"* by Dr. Mark Bouman, Professor of Geography at Chicago State University

In December, 2001, the Acme Coke Plant in Chicago, Illinois, closed, and so ended one hundred twenty- six years of integrated steelmaking in the city of Chicago. While "Indiana/Chicago" is still the leading steel producing district in the United States, centered now on the giant Mittal Steel (East Chicago and Burns Harbor) and USX (Gary) complexes in Indiana, steelmaking has vanished from the landscape of the City of Chicago itself. As recently as twenty-five years ago, the Calumet district was home to four major steel manufacturers and 40,000 workers. Steel from the region found its way into iconic Chicago products such as Pullman railcars, International Harvester farm equipment, and steel frame skyscrapers. Though a few other structures remain, the Acme plant is the last significant set of intact structures in the city's Calumet region, and that fact alone has awakened an eleventh hour effort to preserve some tangible piece of the city's steelmaking heritage for a labor and industrial history museum. The effort to save the structures has been contested and is reflective of the contentious history of the Calumet region in general, as former steelworkers, industrial developers, planners, open space advocates, community organizations and preservationists battle over the fate of the site. This presentation recounts the current status of that effort and sets it within the context of efforts to remake the industrial landscape of the Calumet region.

Come and celebrate with the members who will receive awards. And there may be surprises!

Tuesday, January 9th - Nanotechnology Tour and Discussion at Northwestern University

Nanotechnology will be the topic of the second annual ASME Skokie Valley / ASME Northwestern University joint meeting on Tuesday January 9, 2007. Final arrangements cannot begin until the start of Northwestern's school year. Tentative plans call for a tour of the Center for Nanofabrication and Molecular Self-Assembly, dinner, discussion, maybe a faculty talk on an "Introduction to Nanotechnology". Decision about the talk will be resolved later and announced at the ASME Chicago's October meeting as well as via email and posting at <http://sections.asme.org/chicago> as well as at Skokie's website.

Registration will be from 6-6:30 and the program will end about 9 PM. The meeting will be at the same location as last year – the 4th floor conference room of Northwestern's Technology Institute, 1245 Sheridan Rd, Evanston, IL. When details are finalized they will be announced by email and posted at <http://sections.asme.org/chicago>.

ASME CHICAGO's 2006 SCHOLARSHIP AWARDED TO REBECCA IBRAHIM

Rebecca, a senior mechanical engineering student at Olivet Nazarene University (ONU), has been awarded an ASME Chicago Section Scholarship – for the second time in two years.

Rebecca is the daughter of ASME member David Ibrahim. She is a graduate of Bradley-Bourbonnais Community High School and a member of the National Honor Society. Ms. Ibrahim and her father have attended several ASME Chicago Section meetings. This year she particularly liked the "How to Solve Problems" and the "Non-Destructive" lectures.

At ONU, Ms. Ibrahim will be the Chair of the ASME student section this academic year. Last year during Engineer's Week, her ASME student section arranged a "Mock Interview Night." Local engineering firms conducted interviews and provided critiques of the students' performances afterwards. Rebecca coordinated the Engineering Week activities. During that week they talked to high school students about what engineer is and the importance and the need to excel in math and science.

Rebecca has completed her second summer internship at Motorola. She worked with a team of Motorola personnel and a Northern Illinois University student/faculty team that, according to her Motorola Project Manager, "helped us solve some packaging issues in order to reduce freight costs and reduce costly damage to high end customer units after repair." The end result was a list of specific recommendations to management that "resulted in significant cost savings to our inbound freight." She also worked with another intern to design a more ergonomic packing bench. They came up with a creative solution and worked with vendors to fabricate a prototype.

Ms. Ibrahim has been an orchestra member since fifth grade and is currently a free-lance violinist. This extra-curricular activity goes well with her engineering aim. She states that "Ed Zander, the CEO of Motorola told us interns that it is important that 'we have a balanced life.'" She plays first violin for the University orchestra and serves as concertmaster—a position her Professor of Music says "required added time and strong leadership skills."

In April 2004 and April 2006, she joined others, led by an Associate Professor of Engineering at OSU, in building a convention center at a seminary campus and missionary housing for a new school in Argentina. The Argentina trips "required meetings, much expense, eleven hour plane flights, and many hours of hard work. In all cases, she was very willing to give of herself to help someone else."

The Scholarship Committee (SC) is comprised of two at-large members, serving staggered two-year terms, and the Chairs of Chicago Section and Skokie and Calumet subsections. The ASME Scholarship Committee will next review applications, if any, for the ASME Chicago Section Scholarship in July 2007. ASME Chicago Section Senior members who wish to be considered to serve a two-year term on the scholarship committee should contact David Mattoon at mattoond1@asme.org or by mail to 1547 N. Sheridan Rd. Lake Forest, IL 60045.

The scholarship rules are being revised for improved clarity. The revised rules and application will be made available after they have been approved by the section. For more information visit <http://sections.asme.org/chicago>.

www.asmechicago.org for Professional Development Opportunities

The Chicago Section has established a new website for professional development opportunities, continuing education opportunities, opportunities to earn Professional Development Hours. It will be managed by Steve Slowik who is responsible for the section's professional development area.

Meetings Planned by Our Skokie Valley Subsection

Tues. Sept. 19 6:45p.m. Tour of the facilities and operations of FedEx at O'Hare. Max. 40 visitors.

Tues. Feb. 20 - Professional Development - Excel for Engineers 102, Graphing techniques (including curve fitting, related equations, and 'goodness of fit)

April 2007 - Professional Development - Excel for Engineers 103, Little known features and their use (macros, lists, auto numbering, etc.)

Check <http://sections.asme.org/skokievalley/> for details.

Advertising Opportunity - To reach Mechanical Engineers from Indiana to Wisconsin contact ARK@asmechicago.org about placing your ad in our January 2007 Newsletter.

If we don't have your correct email address please send it to ASME@arksvc.com
For the latest information and updates be sure to visit <http://sections.asme.org/chicago>
For information about Profession Development Opportunities, opportunities to earn PDHs, visit
www.asmechicago.org



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