
POLISH-AMERICAN ENGINEERS ASSOCIATION

FOUNDED



IN 1934

1 Watergate Drive South Barrington Illinois 60010, USA • www.polishengineers.org

All members and friends of Polish-American Engineers Association are cordially invited to attend our meeting.

- DATE:** Friday, April 25th 2014
- TIME:** 7:30 p.m.
- PLACE:** Copernicus Center
Kings Hall
5216 W. Lawrence Avenue
Chicago, Illinois
- SPEAKERS:** Bartlomiej Bobek MS
Staff Metallurgist SGS MSI Testing and Engineering, Inc
- TOPIC:** Nondestructive testing of materials
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Bartlomiej Bobek

Bartlomiej Bobek is a staff metallurgical engineer with nine years of experience at SGS MSI Testing and Engineering, Inc., independent metallurgical testing and consulting laboratory located in Melrose Park, Illinois. As a metallurgical engineer and American Welding Society Certified Welding Inspector (AWS CWI) he is responsible for testing and analysis of the production and test weldments. Bartlomiej Bobek holds a Master of Science in Materials Engineering and Metallurgy from the Academy of Mining and Metallurgy, Krakow (2004).

ABSTRACT

The presentation covers principles and applications of nondestructive testing techniques in modern quality control. It will be shown how simple visual checks and sophisticated, digitally processed ultrasonic and X-ray signals are critical for production or maintenance in almost all industry branches.

Administration Updates

We are happy to introduce an **upgrade to our web page**. Effective now we have a “Members Only” tab / section on our page. Access to this area is password controlled. Per the policy put forth by the Administration *login name* and *password* will be provided to members who paid their dues. Under this tab you will be able to find non-public materials such as meeting minutes, etc.. Please note that under no circumstances, and in concert with current practice, personal data of our members, managed by the Financial Secretary, is NOT and will NOT be stored on the web page anywhere.

As of March 1st PAEA started accepting applications for **2014 Ralph Modjeski scholarship**. Two scholarships in the amount of \$800 each will be awarded during September 2014 meeting.

We were advised by one of our members, Mr. Janusz Kulczuga that he organized a **field trip to Caterpillar** facility in Aurora. Trip is planned for Friday May 9th 2014. We will meet at the caterpillar facility at 12 Noon for a comprehensive tour of this heavy equipment producer. Additionally we will have a chance to visit Ultimate Machining, a modern CNC machining facility which is a primary supplier of finished components to Caterpillar. We need to provide exact number of participants. **Please reserve your space by May 5th** by calling Michael Niedzinski at 773-415-1818 or emailing at (paea.members@gmail.com)

Caterpillar Aurora Location and Visitor’s Info

Physical Address:

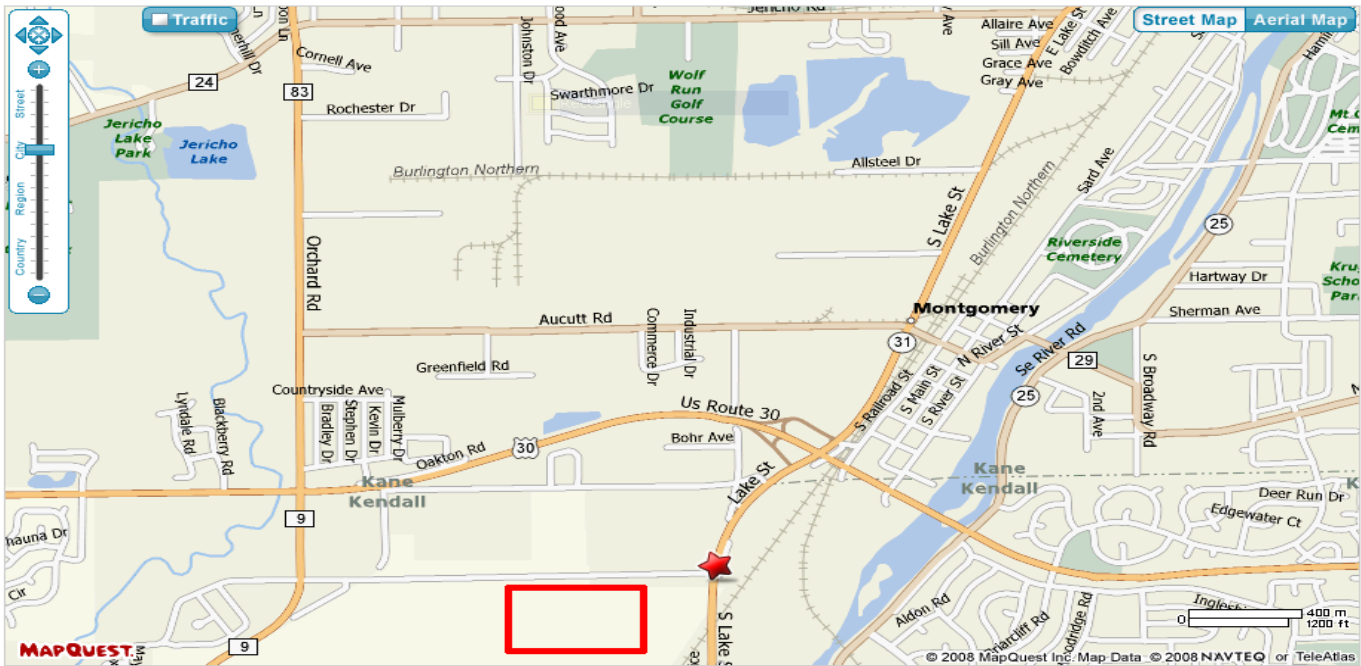
Caterpillar Inc. - (located via Mapquest, but may not register with a GPS)
325 Route 31
Montgomery, IL 60538

GPS Address:

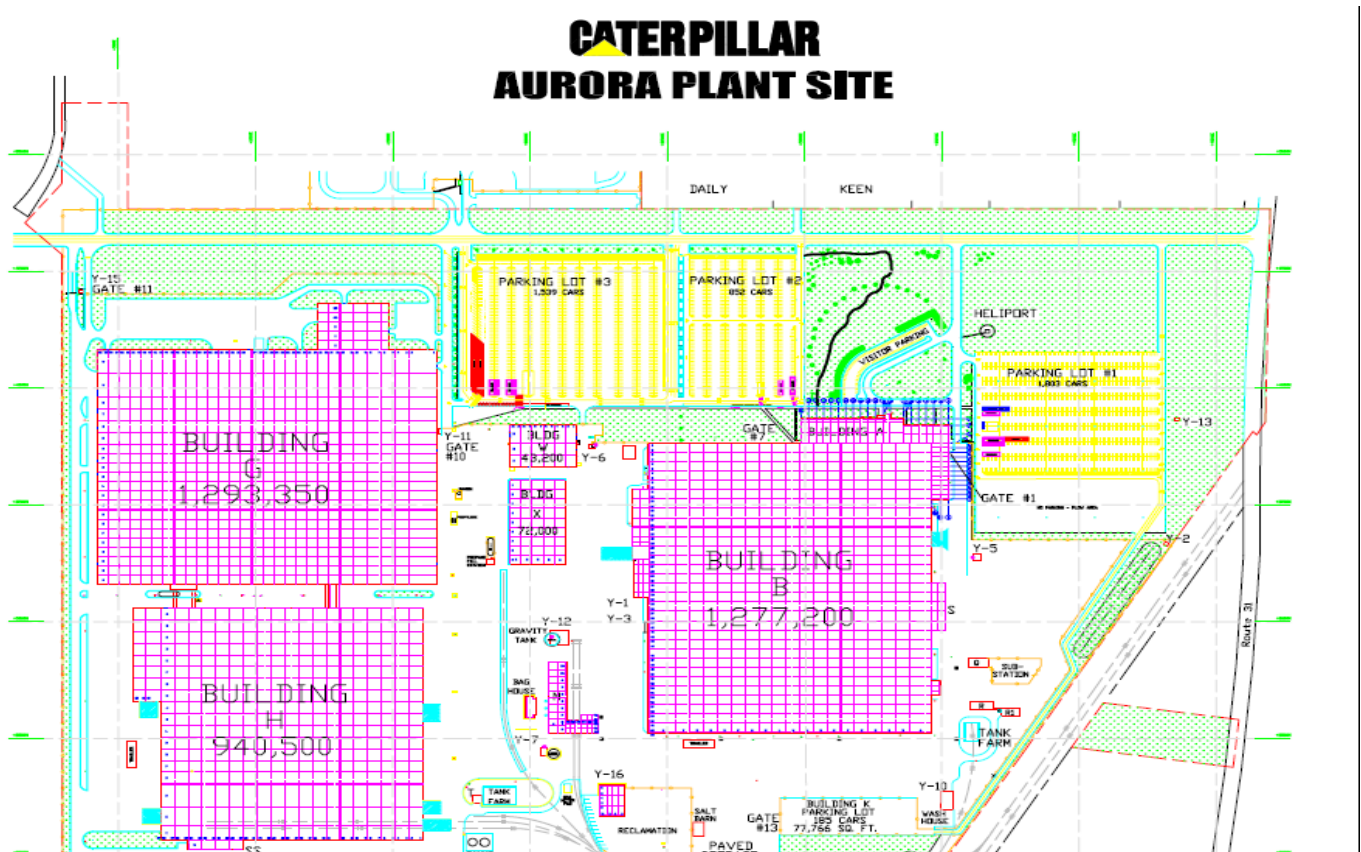
Wal-Mart - located at the end of Caterpillar Drive
2000 Orchard Road
Montgomery, IL 60538

Caterpillar Drive (not shown on map) entrance located at the red star (Rt 31) or at the opposite end of Caterpillar Drive at Orchard Rd/Rt 9. Caterpillar’s main entrance is located at red rectangle. Physical address above used for Mapquest screenshot.

(Continue on the next page)



Please park in the Visitors Lot, just south of Keen and west of the Heliport (red circle on screen shot below). Turn onto Caterpillar Drive (not available on MapQuest) from either Rt 31 or Orchard Rd and then into the Visitors Lot from Caterpillar Dr. Enter the plant at the main lobby.



Aurora Visitor Info and Safety Rules:

- Sign in and pick up visitor badge at the Main Lobby or Security
 - Safety glasses must be worn at all times in the factory and between buildings
 - Steel toe shoes or metatarsal shoe covers required in the shop and between buildings (available upon request)
 - Hearing protection is required in the factory. Various types available throughout the plant
 - No rings allowed in the factory
 - Please stay on main aisles unless accompanied by Cat personnel
 - Please do not climb on machines or equipment
 - No cameras allowed – work related photos may be taken by authorized Cat personnel
 - No smoking allowed on Caterpillar property
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Regretfully we would like to advise membership of the passing of two our very loyal and long term members.

Mr. George Turowski was a member for almost 50 years. He held several positions in the PAEA over the years.

Professor John Dykla was a member for almost 10 years. We all remember his excellent presentations on the topic of universe and cosmology.

Both were recognized as Distinguished Contributors to PAEA. Both will be missed. Our condolences to their respective families.

PAEA will participate in the **May 3rd Parade** scheduled for Saturday May 3rd. More details relative to location and number will be provided once it becomes available

80th Anniversary preparations have started. We received very favorable proposal from European Crystal. We are trying to finalize date of the event.

We have an invitation to **visit Fermi Laboratory** in Batavia in the Fall of 2014. Will advise more details as they become available.

2014 MEMBERSHIP DUES. Please note that the dues schedule for 2014 did not change. **Dues are \$50 per year, senior citizens and students \$25 per year.** We strongly encourage you to pay your dues in January or, if not possible, in February. 2014 membership cards will be provided to all those who paid their dues. Questions? You may inquire at the meeting or send an email to: paea.members@gmail.com

As of February 21st twenty (20) members complied and paid 2014 dues.

You may send your dues directly to our Treasurer:

Mr. Richard Kaczmarek
1725 S. Crescent
Park Ridge, IL 60068

General Interest

Offshore Technology Conference (OTC) – May 5-8, Houston, TX

This conference will deliver a highly specialized technical program built around five key topical areas: Geology and Geophysics; Exploration and Production; Physical Environment: Ice Loads; Logistics Marine and Transport; and Regulatory Environment and Social Responsibility.

About OTC

Founded in 1969, the Offshore Technology Conference organizes the world's foremost events for the development of offshore resources in the fields of drilling, exploration, production, and environmental protection. OTC is held annually at Reliant Center in Houston.

OTC ranks among the largest 200 trade shows held annually in the United States and is among the 10 largest meetings in terms of attendance. Attendance consistently exceeds 80,000, and more than 2,700 companies participate in the exhibition. OTC includes attendees from around the globe, with more than 120 countries represented at recent conferences.

OTC is sponsored by 13 industry organizations and societies, who work cooperatively to develop the program each year. OTC also has two endorsing organizations and ten supporting organizations.

OTC is governed by a Board of Directors made up of 14 representatives, 12 from OTC's sponsoring organizations and two from OTC's endorsing organizations.

Please visit: <http://www.otcnet.org>

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