



THE ASM PITTSBURGH
GOLDEN TRIANGLE CHAPTER PRESENTS

ALUMINUM METALLURGY FOR THE NON-METALLURGIST

Robert E. Sanders, Jr. is an industry consultant, specializing in metallurgy and applications of aluminum alloys and products. Rob received his PhD in Metallurgy from the Georgia Institute of Technology in 1978 where he studied fatigue and fracture behavior of high strength aluminum alloys. He worked at the Alcoa Technical Center in aluminum alloy research and development. See Dr. Sander's full biography at the website below.

Aluminum has been an important structural material for less than 100 years. During this time, the metal has become critical to society and industry in packaging, transportation, building and construction, and electrical applications. Students will be able to recognize the major aluminum alloys and fabricated products. Processes such as rolling and extrusion will be described with an emphasis on automotive, aerospace, and packaging end applications. Final properties such as strength, corrosion, and formability of heat-treatable and non heat-treatable alloys are compared. The effects of impurities and alloy elements on microstructure and properties are emphasized to provide a basic understanding of aluminum metallurgy. For course outline, visit the website below-left.

Cost: Includes continental breakfast and lunch

Member/Student Cost: \$650

Non-Member Cost: \$850

Group and Member Discounts:

2-4 attendees \$600

5 and > \$500

Sustaining Member discount:

\$50/attendee

For details contact Dr. Wang at wangcas@gmail.com

Register online at:

<http://www.asminternational.org/portal/site/www/menuitem.2b9d1953d012ee1480a3c01026e110a0?vgnextoid=8d0b91d19f3a4310VgnVCM100000621e010aRCRD> Log into the ASM website to obtain the member's rate.

Dates: April 18 and 19, 2012

Time: Day 1: 8:00 a.m.—5:00 p.m.

Day 2: 8:00 a.m. – 2:00 p.m.

Location: Hilton Garden Inn, Pittsburgh University Place
3454 Forbes Avenue, Pittsburgh, PA

Hotel Accommodations:

\$139 per night with \$5 Event Parking

Please call the hotel directly at (412) 688-1990 and ask for the ASM Metallurgy Course rate or you may reserve a room on line at:

http://hiltongardeninn.hilton.com/en/gi/groups/personalized/P/PITUCGI-GTC-20120417/index.jhtml?WT.mc_id=POG

Included with course fee -- attendees are welcome to attend the Andrew Carnegie Lecture, April 19, 2012 at 6:00 p.m. and listen to Dr. Sanders discuss "100 Years of Innovation in Aluminum Products" - dinner included .

Must register separately at:

<http://pittsburgh.asminternational.org/portal/site/pittsburgh/>