



The Macrogram

Hartford Chapter of the ASM International
Build on our Strengths - Leverage our Diversity - Network to Succeed

MONTHLY MEETING – TOPIC

February 10, 2009

Topic: Titanium Precision Strip and Foils

Speaker: John Schmidt

Director of Special Metals/New Product Development
Ulbrich Stainless Steel and Specialty Metals

Directions: Margaritas Mexican Restaurant - 350

Roberts St., East Hartford, CT, Ph: (860) 289-7212

I-84 Exit 58 Robert Street: From the East, turn right onto Robert St. and the restaurant is immediate on the left. From the West, turn left on to Robert St. and after the first light the restaurant is immediate on the left.

Agenda:

Cocktails: 5:30-6:30 PM

Dinner: 6:30-7:30 PM

Program: 7:30-8:30 PM

Program Charges:

Regular Members - \$28.00

Retirees - \$15.00

Full Time Students - \$15.00

Technical Chairperson: Arnie Grot

Reservations: Call Linda at Dynamic Metals (860) 583-3336 by noon February 6th. **Thanks!**

Abstract:

Ulbrich Stainless Steels and Special Metals, with a rich history in alloy processing that is the result of years of metallurgical development, offers alloys with properties well beyond those of ordinary metals. This talk looks at the development of titanium foil processing and where titanium precision strip and foils down to .001" thick are used and why. The markets and applications include aerospace, medical (including dental), chemical processing, oil and gas exploration and recovery, consumer product, and defense/military.

Bio:

John Schmidt has worked 40 plus years in the metals industry. He is a 1970 graduate of Drexel University with a BS in metallurgical engineering. He devoted two years as a Research Assistant at Allegheny Ludlum Steel Tech Center, two years as a Peace Corps Volunteer, 16 years in technical sales, marketing and manufacturing with the Lukens Steel Company and 6 years as Eastern Region Manager with Haynes International. For the past 16 years John has been with Ulbrich Stainless Steels and Special Metals and is currently the Director of Special Metals and New Product Development. He served as the Hartford Chapter's Chair in 1994-95.



University High School for Science and Engineering camp attendees

Inaugural Hartford Materials Camp draws 50 students

On October 20, 2008, the Hartford Chapter hosted its first annual Hartford Area Materials Camp. The camp was designed to allow high school students to explore the field of material science and engineering and encourage them to learn more about materials. With this goal in mind the camp coordinator, Arnie Grot, and the station owners liaison, Stu Weiss, created seven themed stations. Teamed with local industry professionals, ASM Hartford welcomed 50 students from the magnet school, University High School for Science and Engineering. Challenged with accommodating such a large group, they turned to the University of Connecticut Material Advantage Chapter (UCMA) for help. Working closely with the chapter advisor, Dr. Rainer Hebert, UCMA helped arrange for the camp to be held at the Institute of Material Science on the UConn Storrs campus. UCMA was happy to support the camp and had 35 student members volunteer to facilitate with the stations and camp activities. The camp organizers were very thankful for the support of Harris Marcus, director of the Institute of Materials Science, for making Institute facilities available.

Since this was the chapter's first experience sponsoring a Materials Camp, a delegation of core volunteers attended the New England Area Materials Camp that was held in May 2008 at Worcester Polytechnic Institute. A key component to the success of this camp was the integral help of the WPI Material Advantage members. The camp experienced an unexpected bonus when the schedule of activities had to be adjusted to accommodate a visit from Connecticut governor, M. Jodi Rell, and Rob Simmons from the Office of the Business Advocate, for the official dedication of the Nanobionics Fabrication Facility. The governor signed and sent a letter of tribute and encouragement to the camp participants.

A second camp will be in April with students from Hartford Public High School's Academy of Engineering and Green Technology attending.