



The Macrogram

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

MONTHLY MEETING – TOPIC

May 12, 2009 Awards* and Recognition Night

Topic: Advanced Weld and Braze Repair Process Development for Gas Turbine Engines

Speaker: Dr. Sam Christy

Welding and Joining Discipline Chief
Global Services Engineering (Pratt and Whitney)

Directions: Margaritas Mexican Restaurant - 350 Roberts St., East Hartford, CT, Ph: (860) 289-7212
I-84 Exit 58 Roberts 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: Jack Woodilla

Reservations: Call Linda at Service Steel Aerospace (860) 583-3336 by noon May 7th. **Thanks!**

Abstract:



Pratt and Whitney's Maintenance, Repair and Overhaul Business (MRO), called Global Service Partners, is the fastest growing segment of all of Pratt and Whitney's business concerns. At our worldwide network of part repair facilities, we use

advanced welding and brazing processing techniques to repair airfoils, cases, tubes, combustors, cold section hardware, rotating parts and composites. This discussion will focus on how Pratt and Whitney uses these processes to provide the highest standard of quality repair. A specific examples of advanced welding and brazing processes will be presented.

Bio:



Dr. Sam Christy is a Welding and Joining Discipline Chief in Global Services Engineering (GSE). This position directly supports the Global Service Partners (GSP) Repair Stations. In this role, Sam leads Process Leverage Teams comprised of Process Engineer Practitioners focused in the discipline of Welding and Materials joining in our global network of repair stations. These teams work on critical

process related issues that involve Welding and Materials joining that directly impact business metrics such as; cost of poor quality and turn time. Sam also is the focal point for the implementation of new technologies relating to these processes in the respective repair units. Additional responsibilities include creation and maintenance of Repair

Process Standard Work, Best Practices, Lessons Learned Database, Practitioner's Training & Curriculum assessment ratings for these focused processes. Sam also guides and mentors within Welding and Materials to ensure discipline health in our Repair Unit Global network.

Sam joined Pratt & Whitney in June 1997 and has held various roles within Pratt & Whitney including Business Unit Manager, Engineering Manager, and Manufacturing Engineering Manager for JSF. Prior to joining Pratt & Whitney, Sam worked at GE Aircraft Engines and GE Power Systems for 12 years in various challenging assignments. Sam holds a bachelor's and master's degree in metallurgical engineering from New Mexico School of Mining and Technology and Ph.D. in metallurgical engineering from the University of Cincinnati. Sam also serves as the chairman of the local ASM Hartford Chapter and the advisor for AWS C3 Brazing committee.



AMBYESE Yes I Can! and HPHS Academy of Engineering and Green Technology camp attendees

Second Hartford Materials Camp draws 24 students

On April 13, 2009, the Hartford Chapter hosted its second 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 created seven themed stations. Teamed with local industry professionals and UConn's Materials Advantage Chapter, ASM Hartford welcomed 24 students and six teachers from AMBYESE Yes I Can! and Hartford Public High School's Academy of Engineering and Green Technology.



*** Service Award**
Recipients will receive a gift based on years of membership. Awards will be presented at dinner.