



Detroit Chapter

ASM-DETROIT, AIR PRODUCTS and SURFACE COMBUSTION will host a full day seminar on heat treating, atmosphere systems and heat treating best practices. The seminar will be held Tuesday, March 28, 2006 at Vladimir's located at 28125 Grand River, in Farmington Hills.

This seminar will cover various topics including the right atmosphere choice for your heat treating operations including brazing, annealing, sintering, carburizing, and vacuum processing; the influence of atmosphere composition on product quality, process controls, flammability limits and atmosphere trouble shooting.

Atmosphere specialists, Tom Philips and John Dwyer, from Air Products along with Surface Combustion engineers, Ralph Poor and Randy Behnfeldt, will team with industry consultant Dan Herring, known as the "heat treat doctor", to bring you complete solutions for heat treat furnace atmospheres. These metals processing professionals will be prepared to teach you the best practices in the industry and will address your operational and equipment questions.

TENTATIVE PROGRAM

Topic	Start	Finish	Instructor
Registration	7:30 am	8:00 am	
Welcome & Introductions	8:00 am	8:20 am	
Atmosphere Options for Heat Treating	8:20 am	9:00 am	Tom Philips
Endothermic Atmosphere Generators	9:00 am	9:40 am	Dan Goodman
Trouble Shooting & Preventive Maintenance of Furnace Atmospheres	9:40 am	10:20 am	Tom Philips
Break	10:20 am	10:40 am	
Vacuum Processing with Gases	10:40 am	11:20 am	Dan Herring
Safety in Furnace Atmospheres	11:20 am	12:00 pm	John Dwyer
Lunch	12:00 pm	1:15 pm	
Advances in Vacuum Carburizing	1:15 pm	2:00 pm	Ralph Poor
Atmospheres for Annealing	2:00 pm	2:45 pm	Tom Philips
Break	2:45 pm	3:00 pm	
Panel Discussions <i>and</i> Q & A Session	3:00 pm	4:00 pm	

REGISTRATION and COST

The cost for this one-day seminar is \$100 and will include lunch. The registration deadline is ???

To register, complete the following and mail with check to:

ASM-Detroit Chapter
P.O. Box 1398
Warren, MI 48090-1398

Name _____ Company _____

Phone _____ Email _____