

ASM International, Santa Clara Valley Chapter
P.O. Box 60487, Sunnyvale, CA 94089-0487

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SEPTEMBER MEETING ANNOUNCEMENT

Wednesday, September 14

Nanotechnology in Environmental Remediation

Nanotechnology is a rapidly growing area with great promise for applications in medicine and industry. Sites contaminated with chlorinated solvents from past industrial practices represent one of the largest environmental restoration problems in the US and the world. Recently, iron nanoparticles, particles in the size range of 1-100 nanometers, have been examined as potential reagents for treating chlorinated solvents in contaminated groundwaters. This presentation will describe the preparation, composition, and chemistry of these particles, their laboratory testing, and describe a successful field demonstration of treatment of a trichloroethylene-contaminated groundwater plume. Potential applications of these novel reagents to other environmental problems will be discussed.

Speaker: Dr. Jurgen H. Exner, President

JHE Technology Systems; Alamo, CA

Jurgen H. Exner received his B.S. from the University of Minnesota and his Ph.D. in Physical Organic Chemistry from the University of Washington. He has conducted studies on environmental remediation, and in the application of thermal, chemical, physical, and biological treatment methods to solve environmental problems. Dr. Exner has 22 years of experience in hazardous waste management. He is associate editor of the Air & Waste Management Association Journal and Chair of the American Chemical Society Committee on Environmental Improvement.

Place: Michael's Restaurant at Shoreline; 2690 Shoreline Blvd; Mountain View

Meals: London Broil, Chicken Portobello, or Pasta Primavera

Cost: \$20 Members; \$25 Non-members; Students get a discount; \$5 more after Sept. 12

Reservations: Leonard Migliore (408) 764-4668 or lm@laserk.com by Sept. 12 @ 1 PM

2005-2006 Santa Clara Valley Chapter Officers

Chair:	Stacy Ewert	(408) 742-2521	ssbewert@yahoo.com
Vice-Chair:	Mark Alexander	(831) 338-4790	MarkAlex77@aolcom
Treasurer:	Leonard Migliore	(408) 764-4668	lm@laserk.com
Secretary:	Fred Landry	(650) 417-0310	landry@cooligy.com

Dear Members:

Welcome to the 2005-2006 season of the Santa Clara Valley Chapter of ASM International. I hope you all had a great Summer! The Program and Executive Committees have been working hard since late Spring to develop a series of technically stimulating and informative monthly programs dealing with many of today's most important materials technology challenges. This emphasis on new developments has been a hallmark of our programs over the years, resulting in great satisfaction and usefulness to the attendees. It also helps the Santa Clara Valley Chapter earn high recognition within the Society. When you examine the program schedule I hope you will find that many of the topics are relevant and interesting to you.

We have also instituted a change in the monthly mailings. Instead of the monthly newsletter, we will be sending a monthly postcard with a Technical Meeting announcement and a reference to the Chapter Website "www.asm-scv.org". The Website will contain additional details about that meeting as well as other news items of interest to our members. We felt that this method allowed us to keep the customary monthly mailings while providing flexibility and a larger scope of information on the Website.

Some brief announcements are that we are supporting a program this month at San Jose State intended to inform and interest students into considering Materials Technology as a career and encourage enrollment in the Materials Engineering department. Also, September is Past-Chairs Night. This is the night when Past-Chairs are honored at the meeting and reminisce with their colleagues and maybe inspire our newer members to be regular attendees. It is a good way to show newer members the satisfaction, recognition, and professional development that can result from being involved in Chapter Leadership. Check out our Website for more information on these topics.

I hope to welcome and chat with as many of you as possible during the coming year. This may be delayed a little bit, as my husband and I are expecting our first child this month, so you never know what can happen!

Please save this newsletter, as it has the year's Program details as well as the names and contact information for the Chapter leadership. We are here to serve your interests and look forward to receiving your comments, questions, and suggestions.

So, once again "Welcome" to all of you. Let's have a great Chapter year!

Stacy Ewert, SCV Chapter Chair

ASM-SCV 2005-2006 Technical Program

Sept 14	Use of Fe and Nano Fe in Environmental Clean Up
Oct 12	Orthopedic Implants
Nov 9	Liquid Metal Technologies
Dec 14	Corrosion Issues in the Storage of Radioactive Waste
Jan 11	Carbon Nanotubes for Energy Applications
Feb 8	Spectroscopy Methods
Mar 8	To be Announced
Apr 19	Composite Bridge - Joint meeting with SAMPE
May 10	ASM Trustee Speaker and Topic to be announced

See www.asm-scv.org for further information