

Wednesday, May 19

An Overview of Advanced Materials

Dr. Reza Abbaschian, FASM
University of Florida

*Different sign-up
contact this month!*

*Please remember to indicate a
meal selection when you sign up!*

5:30 pm Social/Networking.....6:15 pm Dinner.....7:30 pm Speaker

Meeting Location:
Michael's at Shoreline
2960 Shoreline Blvd.
Mountain View
(650)962-1014

Dinner Cost: ASM Members \$20, Students \$10, Guests \$25
Meal Choices: Pork Loin, Chicken Portobello, Grilled Vegetable Brochette

RESERVATIONS REQUIRED:
Jacques Matteau at (415)640-4948 or Jacques@altairusa.com
Reservation deadline is 1pm on Monday, May 17 (\$5 late fee after this time)

May 19 is also Elections Night and Awards Night!



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Meeting Directions

To get to **Michael's at Shoreline** from highway 101, exit at **Middlefield Rd. / Shoreline Blvd.** Head **north** on **North Shoreline Blvd.** Michael's is at the end of North Shoreline adjacent to the Shoreline golf course, about 2 miles from 101.

RETURN SERVICE REQUESTED

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Have You Moved Recently?

If so, please remember to correct your address by logging onto the national website, www.asminternational.org, where you can review and update your membership record.

About the Topic

An Overview of Advanced Materials

Everything we use is composed of advanced materials, from computer chips to flexible concrete skyscrapers, from plastic bags to artificial hips, from optical cables to automobiles. Designing and making materials in an innovative and efficient manner are critical not only to the manufacturing competitiveness, but also to meeting societal needs and national security. As such, the impact of advanced materials extends beyond products, in that tens of millions of jobs depend on their availability. In this presentation, an overview of the recent advances in materials processing and properties together with a review of the recent progress in producing diamond single crystals will be presented.

About the Speaker

Dr. Reza Abbaschian, FASM University of Florida

Dr. Reza Abbaschian is chairman and Vladimir A. Grodsky Professor of the Materials Science and Engineering Department at the University of Florida (UF). He received his Ph.D. in materials science and engineering from the University of California, Berkeley, in 1971, M.S. degree in metallurgical engineering from Michigan Technological University in 1968, and B.Sc. in mining and metallurgy from Tehran University in 1964.

Before joining UF in 1981, he was chairman and member of the faculty at Pahlavi University, Shiraz, Iran, Visiting Associate Professor at the University of Illinois, and Visiting Scientist at Massachusetts Institute of Technology. He has produced more than 200 scientific publications on subjects ranging from metal processing, crystal growth, solidification, and intermetallic matrix composites to phase diagrams. He also has four patents, three patent disclosures, and eight books, including the third edition of Physical Metallurgy Principles, which he co-authored.

Dr. Abbaschian has been active in several regional and national educational and professional organizations, including National Materials Advisory Board, NASA Space Station Users Advisory Committee, TMS Board of Directors, Trustee of Federation of Materials Societies, NSF-Materials Research Advisory Committee, and chairman of the University Materials Council. He has served or chaired numerous panels and committees, such as the ASM Government and Public Affairs Committee, ASM/MSD Thermodynamics and Phase Equilibria Committee, the NSF panel for education in Materials Science and Engineering, TMS-Solidification Committee, the ASM-MSD Materials Processing Committee, and MRS External Academic Affairs Committees.

Awards and citations he has received include UF Top Researcher or Research Achievements Awards for eight consecutive years, the 1992 ASEE Southeastern Best Paper Award, the 1998 Educator Award of TMS for outstanding contributions in engineering education, TMS 1999 Leadership Award, and the Structural Material Division's 1999 Distinguished Scientist/Engineer Award. He was also elected an ASM Fellow 1992 and a Fellow of TMS in 2000.

May is the Last Meeting of the Season!

As you may know, our "Chapter Year" ends in May, and this will be the last meeting before the summer break. We hope you enjoyed the technical talks and tours we offered this year. We thank the Executive Committee and other "active members" for making it all happen, and of course we thank you, the members, for attending the events and making them a success! Look for next season's dinner meetings and other activities to commence in September 2004.

May 19 is Awards Night

ASMI-SCV appreciates those individuals who have maintained their membership over the years. Each May, we like to show our appreciation by distributing awards to members who have reached the 5, 15, and 25 year milestones, as well as to those designated as "Life Members" (members who have reached the age of 65 years and whose years of membership plus age equal 100 or more). **This year our chapter has one new Life Member: Dilip Rajdev.** The other 2004 ASMI-SCV Awardees are listed below. As always, we thank these members for their continued participation in the organization, and as a way of saying "thanks", we invite our *newly-inducted* Life Member as well as the *newly-inducted* 25 Year Members to have dinner "on us" at the May meeting.

5 Year Members

Siobhan M. Carroll	David A. Mackiewicz
Michael A. Granata	Ramaswamy V. Raman
Cliff Hamby	Tim Webber
B J Hamel	Ted B. Wertheimer
Stephen W. Lee, Jr.	Wendelin J. Wright
Hui Hui Lin	Mark A. Zeh

15 Year Members

Anastasia Canizales	Leonard Reed
Michael Chan	Arthur J. Schweitzer
Edwin V. ElKareh	Kenneth Lee Streib
Richard Gable	John Stringer, FASM
Constance A. Henshall	Jane E. Wheeler
T. Brock Hinzmann	Christopher Viney, FASM
Ken Matthews	Ding Zhu Shi
Edmund J. Morrissey, III	

25 Year Members

Manjeshwar S. Bhat
Daniel A. Chafey
Thomas J. Dorsch
Erdem Esengil
Rosemarie Koch
James L. Proft
Martin Smullen
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Upcoming Events

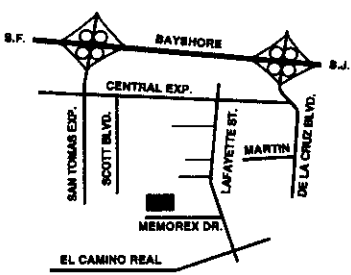
- May 19:** ASQ, "Networking for Unemployed", visit www.asq-silicon-valley.org
- May 20:** ASCE, "BART Earthquake Safety Program", visit www.asce-sf.org
- May 26:** AIChE/ACS, "Tour of Roche Pharmaceuticals Pilot Plant", visit www.aiche-norcal.org
- May 27:** AIAA, "Lunar Base Architecture - The New Genre", visit www.aiaa-sf.org
- Jun 1:** IEEE-LEOS, "Quantum Cryptography", visit www.silicavalley.com
- Jun 22:** SPIE, "Advanced Reticle Symposium (ARS) 2004", visit www.spie.org
- Jul 6:** IEE-LEOS, "Liquid Lens Technology", visit www.silicavalley.com

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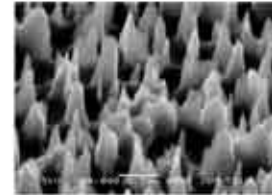
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Chapter Information & Upcoming Activities

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Jacques Matteau (415)640-4948

Vice Chair:

Ramas Raman (408)567-0941

Treasurer:

Richard Chung (408)924-3927

Secretary:

Stacy Ewert (408) 742-2521

Executive Committee

Mark Alexander (831)338-4790

Paul Fojas (510)538-7309

Ed Francis (408)653-1700

Dave Himmelblau (408)743-7893

Alfred Kwong (408)248-1916

Fred Landry (650)508-8700

Mingwei Li (650)966-5735

Lou Wirtz (408)756-0621

Shari Yokota (650)594-4065

Special Positions

SVEC Rep:

Ed Kaminski (408)241-4842

Newsletter Editor:

Scott Dickerson (408)986-3655

Thanks to our ASMI-SCV Sustaining Member:

CSU - Fresno Henry Madden Fresno

Would your company like to support the chapter by being a sustaining member? To find out more, contact Fred Landry at fred@altairusa.com.

Executive Committee Meetings: ASM-SCV Executive Committee meetings are held in September, October, January, March and May. Any member can attend! Call Jacques Matteau at (415)640-4948 for meeting times and locations, and to reserve a seat at the table.



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Ballot for 2004 Election

The Nominating Committee has finalized the ballot for this year's election. This year the nominations include several members new to our Executive Committee. We appreciate these individuals' willingness to participate in (and help lead) our Chapter.

How to vote

In order to vote, simply remove this sheet from your newsletter, fill in this ballot, and mail it to: ASM International, Santa Clara Valley Chapter, ATTN: Nominating Committee Chair, P.O. Box 60487, Sunnyvale, CA 94989-0487.

Better yet, simply attend our May 19th meeting and submit your ballot in person!

Officers (one vote for each office)

- Chair:** Ramas Raman
- Vice Chair:** Stacy Ewert
- Treasurer:** Mark Alexander
- Secretary:** Fred Landry

Executive Committee (vote for up to 5 of the following)

- Jodi Iwata (SJSU Student Rep)
- William Kaiser
- Len Migliore
- John Stringer
- Jie Zhang

Do You Know a K-12 Teacher?

If so, you might want to tell them that \$500 Grants are available from the ASM International Foundation! With the *Living In a Material World Program* sponsored by the ASM International Foundation, K-12 teachers can receive the funds to introduce their students to the applications of metals and materials, and the careers related to materials sciences. To get the grants, teachers must submit an idea for a hands-on project that involves students observation, communication, mathematics, and science skills while enhancing their awareness of the materials around them. Ten grants of \$500 each will be awarded. **The deadline is May 25, 2004.** For more information and applications, visit the ASM International Foundation website at www.asminternational.org/foundation.

Thanks for participating this year... See you in September!