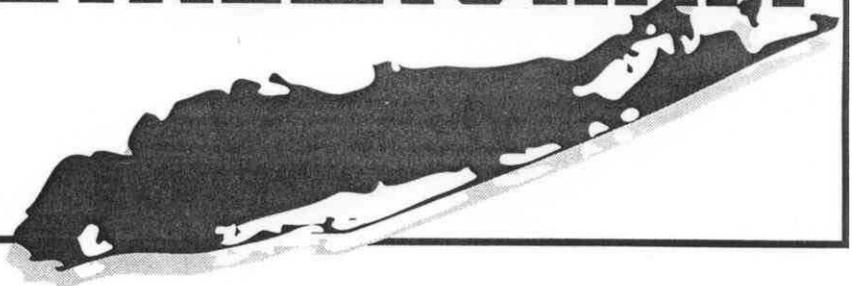




The Materials Information Society

LONG ISLAND CHAPTER

METALLAGRAM



Volume 49 Issue 2

Chapter website: <http://www.matscieng.sunysb.edu/asm/>

Next Meeting Wednesday, October 17, 2007

Where Sitar Restaurant, Huntington, NY

Topic: SIPS, A Structural Integrity Prognosis System

Speaker: John Papazian, Northrop Grumman (retired)

Social hour ... 6:00 pm Dinner ... 7:00 pm Meeting ... 8:00 pm.

Members ... \$22 Guests ... \$25 ASM 25 years ... \$20 Students ... \$12

(New and recently transferred-in members free!)

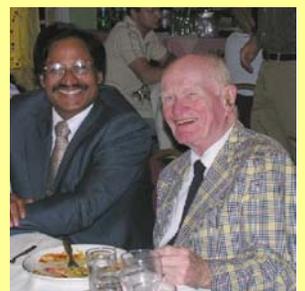
Reservations appreciated - call Peter Indrigo (631-730-2606)

WELCOME TO THE CHAPTER!

Lynne Ecker, BNL John Madsen, Northrop Grumman

All new members, including those who have transferred in from another Chapter, are invited to dine free at a regular meeting of their choice. Please take us up on this offer - come along to the meeting and introduce yourself. This is an excellent way to meet with other Chapter members and to establish new business and social relationships in the area.

Most happy fellas!



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Our Speaker

John M. Papazian received a B Met. E. from New York University, a M.S. from the University of California, Berkeley, and a Ph.D. from Columbia University. John recently retired from Northrop Grumman where he was a Technical Fellow. During his career there he was involved in a variety of R& D projects aimed at developing metals and composites with desirable combinations of properties and implementing them in unique environments. His primary interests are aluminum alloys and their utilization in aircraft. Dr. Papazian is the author or co-author of more than 60 technical articles in refereed journals and holds 17 patents.

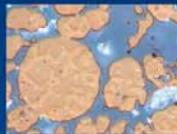
The Topic

The structural integrity of aircraft has become a critical issue in ensuring the combat readiness of aging aircraft and in the need for more efficient use and maintenance of critical assets. In order to address this need, a science-based approach is being taken for the development of a Structural Integrity Prognosis System (SIPS). This system is designed to provide near-term predictions of the structural integrity of individual aircraft and is based on a collaboration between detailed models of fatigue damage, aircraft history and usage data, sensor systems, and a unique reasoning system designed to provide a probabilistic prediction of structural viability under a variety of future use scenarios.

DIRECTIONS TO THE SITAR RESTAURANT

The restaurant is located at 665 West Jericho Turnpike in Huntington. Take the Long Island Expressway to Intersection 48 (Round Swamp Road). If coming from the west, turn left at end of ramp to go under the expressway; if coming from the east, turn right at the end of the ramp. Proceed north on Round Swamp for about 2.5 miles, until it ends at Route 25 (West Jericho Turnpike). Turn right. The Sitar Restaurant is about 0.7 miles from this turn, on the left. Their telephone number is (631) 271-8600.

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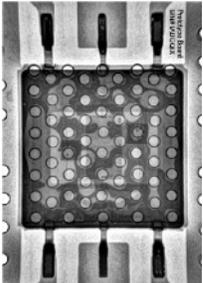
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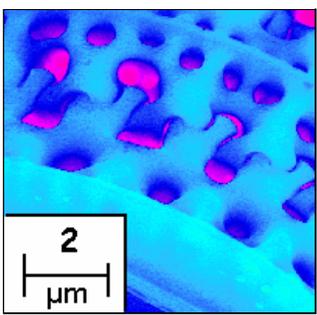


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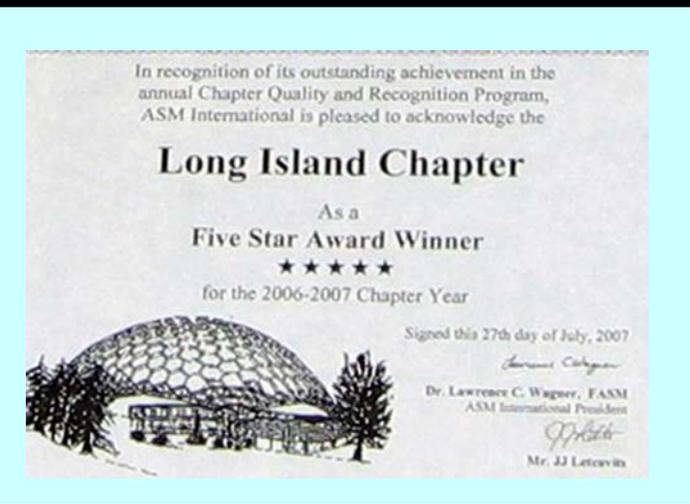
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Pictured below at the recent Leadership Days conference at Materials Park, ASM International President Dr. Larry Wagner presents Long Island Chapter Chair Jim Quinn with recognition of the Chapter's Five-Star achievement.





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Senior Vice President

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CHAPTER MEETING SCHEDULE

Long Island Chapter

- Nov. 14, 2007 Place: Stony Brook University
Subject: Student design projects, etc.
- Dec. 12, 2007 Place: Estee Lauder (tour), Melville
Speaker: Jack Lombardi
Subject: Materials in Make-Up
- Jan. ??, 2008 Place: South Shore, Patchogue
Joint meeting with ANS
Speaker, subject: TBD
- Feb. 13, 2008 Place: TBD
Speaker: TBD (from Demeton Technologies)
Subject: Detonation spraying
- Mar. 12, 2008 Place: Mauricio's, St. James
Speaker: Carl Czajkowski, BNL
Topic: Prudhoe Bay Pipeline Failure
- Apr. 9, 2008 Annual General Meeting
Place: Union Station, Smithtown
Speakers: SBU Senior Students
Topic: Research posters
- May 4, 2008 Wine tasting at Martha Clara vineyard

Metro NY-NJ Chapter

(contact Rich Lynch @ 201-891-8399)

- Sep. 20, 2007 Place: L'Affaire, Mountainside, NJ
Speaker: Scott Hummel, Lafayette College
Topic: Analysis and Improvement of the ASTM Galling Resistance Test

Information on the remainder of their 2007-2008 meeting program is not yet available.

2007-2008 CHAPTER OFFICERS

[() – term expires]

Chairman (2008)

Jim Quinn - (631) 632-6663

Stony Brook University

Vice Chairman (2008)

Andrew Gouldstone - (631) 632-4701

Stony Brook University

Secretary (2009)

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Brookhaven National Laboratory

Alex Chi (2010) – (631) 491-1592

Demeton Technologies

John Coyle (2009) - (631) 589-6666 ext. 2619

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Brookhaven National Laboratory

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