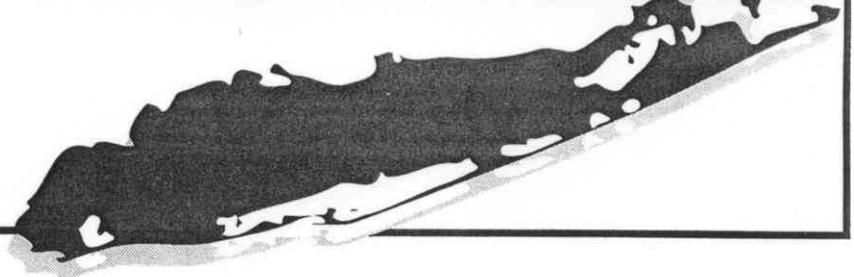




The Materials Information Society

LONG ISLAND CHAPTER

METALLAGRAM



Volume 48 Issue 8

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

DOUBLE MEETING ANNOUNCEMENT

Wednesday, April 11, 2007 - Annual General Meeting

Where: Union Station Restaurant & Tavern, Smithtown, NY

Topic: Review of Senior Design Projects and Results

(oral and poster presentations by Stony Brook University Seniors)

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)

AND

Sunday, May 6, 2007 – Annual Wine Tasting and Dinner

Where: Martha Clara Vineyards

1 PM ... meet at the vineyard for registration 1:30 - 3 PM ... free time for other activities

3 PM ... reconvene at Martha Clara for wine tasting and dinner

Cost: \$25/person - **RESERVATIONS REQUIRED** - call Ken Trelewicz (516-429-2992) before 4-26-2006 or email ktrelewicz@DTB.com

SULZER

Sulzer Metco

A World of Surface Engineering Solutions and Services

We provide:

- ◆ A broad range of thermal spray, thin film and other advanced surface technology equipment, integrated systems and materials
- ◆ Specialized coating and surface enhancement services
- ◆ Manufactured components for the turbine, automotive and other industries
- ◆ Global customer support services

 (516) 334-1300 /  (516) 338-2414 /  www.sulzermetco.com

Student Presentations

The following is a list of the presentations to be made by SBU students at the April 11, 2007, meeting. If you would like more details beforehand, please contact Professor Andrew Gouldstone at (631) 632-4701 or email him at Andrew.Gouldstone@stonybrook.edu

Design for Safer Cooling of Pipe-Welds Onsite (Matt Elvin)

Non-Intrusive Power Harvesting for Safer Bicycles on Campus (Jason Kim and Ganesh Singh)

Direct-Write Thermoelectric Power Harvesting for Automobiles (Zachary Norwood)

Materials for Electronic Smell Sense (Peter Simicic)

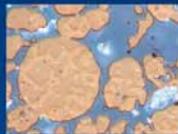
Laser-modification of Collagen for Improved Cell Adherence (Ted Feldman)

Piezoelectric Power Harvesting for Automobiles (Jack Burke and Ekram ullah Khan)

Email Addresses

Please register your current email address with either the local chapter or ASM International's headquarters. You can do this either on the respective web pages (<http://www.matscieng.sunysb.edu/asm/> for the local Chapter and <http://www.asminternational.org/> for national HQ) or by emailing the new/correct address to any Chapter officer.

Carl Zeiss... for all your state-of-the-art Microscopy & Digital Imaging needs



Offering features such as Image Archiving, Grain Size analysis, Dendritic Arm Spacing measurement, Non-Metallic Inclusion, Graphite and more...

Carl Zeiss MicroImaging, Inc.
Thornwood, NY
1.800.233.2343
micro@zeiss.com
zeiss.com/materials



We make it visible.



LAWRENCE RIPAK CO., INC.

NDT • METAL FINISHING

LAWRENCE RIPAK, JR.
President



Lawrence Ripak Co., Inc.
165 Field Street
West Babylon, NY 11704-1299

Office: (631) 694-1818
Fax: (631) 694-1848
E-mail: lripak@ripak.com

NONDESTRUCTIVE TESTING

- Magnetic Particle
- Fluorescent Penetrant
- Visible Dye Penetrant
- Contact Ultrasonic
- Immersion Ultrasonic
- X-Radiography
- Nitral Etch
- Eddy Current
- Ammonium Bifluoride Etch

CLEANING

- Abrasive Blasting
- Glass Bead Blasting
- Plastic Media Blasting
- Acid Pickle Cleaning
- Alkaline Cleaning
- Passivation

PLATING

- Titanium - Cadmium
- Cadmium
- Copper
- Brush Plating

ANODIZING

- Boric - Sulfuric
- Chromic
- Sulfuric

CONVERSION COATINGS

- Alodine 1200
- Phosphate Fluoride

PAINTING

- Primers
- Top Coats
- Dry Film Lubricants
- Fuel Tank Coating
- Teflon
- High Temperature Primers
- Elastomeric Coating
- Abrasion Resistant Coatings
- Masking

OTHER PROCESSING

- Stress Relieving
- Conductivity Testing
- High Humidity Testing
- Salt Spray Testing
- Hardness Testing

Overlays/Inlays
Contact Materials

ISO-9001
QS-9000
AS-9000
REGISTERED

CLAD METAL SPECIALTIES

1516 FIFTH INDUSTRIAL COURT
BAYSHORE, NEW YORK 11706-3401

www.cladmetal.com

Phone: 631-666-7750
DENISE A. MARCOCCIA Vice President Fax: 631-666-5347
e-mail: info@cladmetal.com

KENNETH J. TRELEWICZ
Director of Sales & Marketing

ENGINEERING & TEST
DIVISION



Church Street, Bohemia, N.Y. 11716-5031

Direct Dial: 631-244-6238 e-mail: ktrelewicz@daytonbrown.com
Main: 631-589-6300 Fax: 631-589-3648

**FROM SAMPLE PREPARATION
TO ANALYSIS**

**Buehler can provide for
all your microstructural analysis needs.**

Cutters and Grinders • Mounting Presses • Automatic Preparation Systems
Consumables • Image Analysis • Hardness Testers • Microscopes and Metallographs

For Further Information Contact: Sandy Phillips, Sales Engineer
Tel: (800) BUEHLER (800-283-4537) • Fax: (847) 295-7979
<http://www.buehler.com>



BUEHLER 41 Waukegan Road Lake Bluff, Illinois 60044-1699 • USA

Long Island Testing Laboratories, Inc.
Specialists in Aerospace Materials Testing, Since 1985
METALLURGISTS – ANALYSTS

- Chemical Analysis
- Metallurgy
- Expert Testimonies
- Mechanical Testing
- Metallurgical Failure Analysis
- Welder's Qualifications

T. Rao Tipirneni, President
243-A Wyandanch Avenue, North Babylon, New York 11704
Phone (631) 643-6792 Fax (631) 643-5628
www.litlab.com Email: rao@litlab.com

DIRECTIONS TO THE UNION STATION RESTAURANT & TAVERN (via the LIE)

The Union Station Restaurant & Tavern is in the location spot previously occupied by the Burke & Shapiro Steakhouse. Take the LIE or the Southern State Parkway to the Sagtikos Parkway. Proceed northward on the Sagtikos Parkway, which eventually becomes the Sunken Meadow Parkway. Stay on the Sunken Meadow Parkway to Exit SM3E, Route 25 (Jericho Tpk.) East – Smithtown. Go east on Route 25 (Jericho Tpk.) for about 4 miles. You will pass under a LIRR trestle and a statue of the Smithtown Bull. Keep going on Route 25 (uphill), passing through two traffic signals. JUST BEFORE the second LIRR trestle, turn left on Elliot Place. Almost immediately, make the first right into the restaurant parking lot. The restaurant's address is 155 West Main Street; their phone number is (631) 265-3300.

DIRECTIONS TO THE MARTHA CLARA VINEYARD FROM THE LIE

The vineyard is located at 6025 Sound Avenue, between Northville and Mattituck. To reach it from the Long Island Expressway, the recommended (and simplest) route is to take Exit **71**. Make a left and go north on Edwards Avenue for approximately 3 miles, to the second traffic light. Make a right here onto Sound Avenue and head east for about 10 miles. The Martha Clara Tasting Room will be on your right. If you wish to contact them, their phone number is (631) 298-0075.

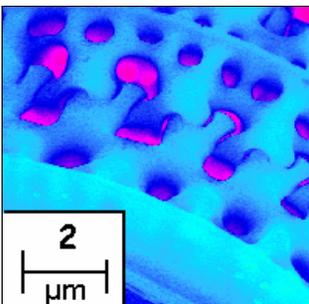
STONY BROOK
STATE UNIVERSITY OF NEW YORK

**University/Industry
Partnering Together**

Your samples-Our SEM

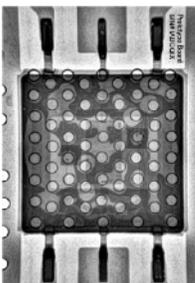
We also have TEM, OM, XRD, RP, and much more.....

Dr. Jim Quinn
631-632-6663 or 8495
james.quinn@stonybrook.edu



WALDVOGEL METALLURGICAL, INC.

MATERIALS ANALYSIS - FAILURE ANALYSIS - MATERIALS TESTING



**ELECTRONIC DEVICE FAILURE ANALYSIS
PRECISION METALLOGRAPHIC ANALYSIS
IMMEDIATE TURNAROUND**

TELEPHONE: 516-564-7839
FAX: 516-485-2039
CELLULAR: 516-967-8576
E-MAIL: waldvogel@prodigy.net



Peter D. Indrigo
Senior Vice President

120-C Wilbur Place, PO Box 469 Phone: 631-578-6666 X 2606
Bohemia, NY 11716 USA Fax: 631-589-6975
Email: peterd@unitronusa.com Website: www.unitronusa.com



Struers Inc.
24766 Detroit Road
Westlake, OH 44145-2525

Luca A. Servino
Account Representative
New England

Direct/fax 203.380.0563
Telephone 440.871.0071 ext 867
Fax 440.871.8188
www.struers.com • lservino@struers.com

2007 John R. Weeks Scholarship Program

This program is aimed at Long Island high school students and makes available two awards, each worth \$500 p.a. for up to four years, for students planning to study materials science and engineering at a recognized university or community college. Announcements and application forms have been mailed to all Nassau and Suffolk high schools but sometimes the information does not reach students who might be interested in applying. If you know of a student to whom the scholarship program might be of interest, please let them know. Contact Biays Bowerman (tel. no. 631-344-2946; email address bowerman@bnl.gov) if you would like more information sent directly to you.

CHAPTER MEETING SCHEDULE

Long Island Chapter

No events or meetings scheduled for the summer months

Metro NY-NJ Chapter

(contact Rich Lynch @ 201-891-8399)

Apr. 26, 2007 Family Night; Awards Night; Elections
Place: L’Affaire Restaurant, Mountainside, NJ
Speaker: Devinder Mahagan, BNL
Topic: Hydrogen Economy
May 15, 2007 Plant visit – Continental Airlines
Maintenance Facility

2006-2007 CHAPTER OFFICERS

Chairman

Jim Quinn, Stony Brook University
(631) 632-6663; James.Quinn@stonybrook.edu

Vice Chairman

Andrew Gouldstone, Stony Brook University
(631) 632-4701; Andrew.Gouldstone@stonybrook.edu

Secretary

Lorraine Tawfik, Suffolk County Community College
(631) 277-2875; tawfiklm@sprintmail.com

Treasurer

Peter Indrigo, Unitron Incorporated
(631) 730-2606; peterd@unitronusa.com

Executive Committee Members

Biays Bowerman - (631) 344-2946
Brookhaven National Laboratory
John Coyle - (631) 589-6666 ext. 2619
Unitron Incorporated
Carl Czajkowski - (631) 344-4420
Brookhaven National Laboratory
Joe Kane - (631) 265-3422
COBE Welding
Rao Tipirneni - (631) 643-6792
Long Island Testing Laboratories Inc.
Al Wirth - (516) 333-7429
Retired

ADVISORY

Ken Trelewicz - (631) 244-6238
Dayton T. Brown Inc

EMERITUS

Richard Richards - (631) 567-6163
Retired
Clifford Shaver - (631) 586-1842
Retired