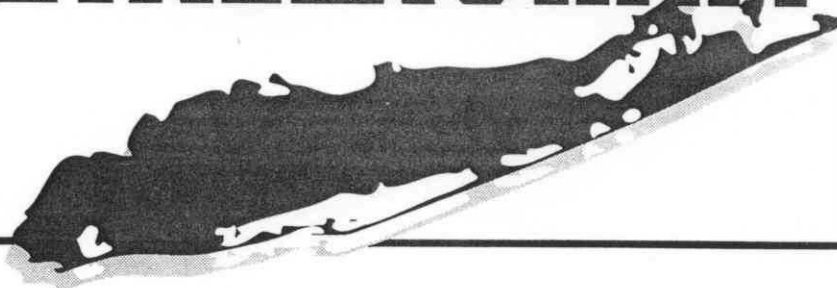




METALLAGRAM

LONG ISLAND CHAPTER



Volume 52 Issue 3

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

Next Meeting Wednesday, November 17, 2010
Where . . . Charles B. Wang Center, Zodiac Lobby,
Stony Brook University, Stony Brook, NY

******* Student Night *******

Oral and poster presentations by Stony Brook University Seniors
Joint Meeting with WISE (Women in Science and Engineering)
and ESG/ESM Programs

6 pm...Posters Start 6:30 pm...Buffet Food/Posters 7:30 pm...Two Oral Presentations
Members ... FREE! Guests ... FREE! ASM 25 years ... FREE! Students ... FREE!
(For ASM members, there will also be a free (within a limited budget) happy hour (5 pm-6 pm) in the University Cafe, located on the first floor of the Stony Brook Student Union, just a short walk from the Charles B. Wang Center).

Directions to Stony Brook University and the Charles B. Wang Center

Take the Long Island Expressway (LIE, I-495) to Exit 62, and follow Nicolls Road (Route 97) north for 9 miles. The main entrance to the University is on the left (do not take the south entrance, which occurs about $\frac{3}{4}$ of a mile before the main entrance). Turn left into the campus. Proceed to the parking garage to the left of the Administration Building. The Charles B. Wang Center is located directly across from the parking garage. It is the large gray building with red entryway fencing, and is also noted for the modern representation of a Pagoda on the rooftop. The telephone number at the Wang Center is 631-632-6320.

The Presentations

“Digital Stethoscope”

Amanda Chin, Berkan Guleyupoglu, Robbin Yeh, Shruthi Rajan

“Beach Shark “Net””

Jack Davidson, Sean Cortes, Adel Djam

“StepNClean - Water Filtration Backpack”

Tom Schaefer, Christopher Hirschman, Riston Rocchio, Patrick Szeto

“GeeseBGone!”

Steven Ditta, Zheng Guo, Lukas Tierney

“Gap Minder for Commuter Trains”

Michael Flaherty, LinXi Zhang, John Hu, Frank Miceli

“Isothermal Bio-Shipping Box”

Daniel Lee, Konrad Kozdra

“Robotic Surveillance”

Christopher Lang, Mark Ku, Jean-Marie Caidor, Erik Barcus

“GoGo Gadget - Portable Chemical Sensor with Mobile Phone App”

Sal Marino, Feliks Peysakhov, Alex Raffio

“Fan-Plate - Portable, Foldable Plate”

Jordanna Kendrot, Gloria Choi, Alex Poznanski, Shun (Helen) Sun

“Solar-Powered Traffic Light”

Jose Santana, Uzair Shujaa, Miguel Pacheco

“Self-Contained Water Purification System”

Steven Cava, Felix Claudio, Jacob Dorfman, Kevin White

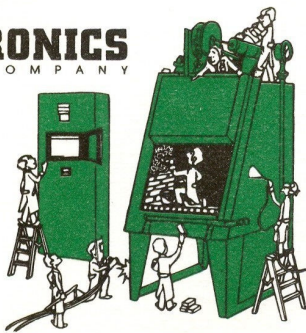


INDUSTRONICS
SERVICE COMPANY

INSTRUMENTS • HEATING ELEMENTS
THERMOCOUPLES • FURNACE SERVICE
REFRACTORY SERVICE

MEL THORNE
ACCOUNT EXECUTIVE
INFORMATION TECHNOLOGY
SPECIALIST

(860) 289-1551 EXT. 120
FAX (860) 289-3526
489 SULLIVAN AVENUE
SOUTH WINDSOR, CT 06074
mthorne@industronics.com
www.industronics.com



KENNETH J. TRELEWICZ
Director of Sales & Marketing

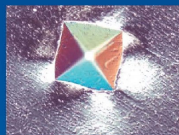
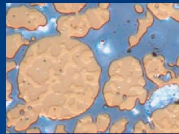
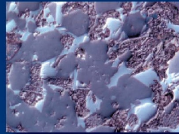
ENGINEERING & TEST
DIVISION



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

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

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.



Since 1952

LAWRENCE RIPAК CO., INC.

NDT • METAL FINISHING

LAWRENCE RIPAК, JR.
President, CEO



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

Office: (631) 694-1818
Fax: (631) 694-1818
Email: lripak@ripak.com

NONDESTRUCTIVE TESTING

- Magnetic Particle
- Fluorescent Penetrant
- Visible Dye Penetrant
- Contact Ultrasonic
- Immersion Ultrasonic with data acquisition
- X-Ray
- Nital Etch
- Eddy Current
- Ammonium Bifluoride Etch

CLEANING

- Passivation
- Abrasive Blasting
- Glass Bead Blasting
- Plastic Media Blasting
- Acid Pickle Cleaning
- Alkaline Cleaning
- Parts up to 20' Long

ANODIZING

- Boric-Sulfuric
- Chromic
- Sulfuric
- Parts up to 18' Long

PLATING

- Titanium-Cadmium
- Cadmium
- Copper
- Brush Plating

PAINTING

- Primers
- Top Coats
- Dry Film Lubricants
- Fuel Tank Coating
- Teflon
- High Temp Primers
- Masking

SHOT PEENING

- Automatic and Manual
- Regular & Hard Cast Steel
- Glass Bead
- Ceramic
- Parts up to 8 Feet Long
- Post-Peen Cleaning

CONVERSION COATINGS

- Alodine 1200
- Phosphate Fluoride
- Sol-Gel

OTHER PROCESSING

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

DENISE A. MARCOCCIA
Vice President

Phone: 631-666-7750
Fax: 631-666-5347
e-mail: info@cladmetal.com



The LIASM Executive Committee appreciates the support received from all our advertisers. Let's make every effort to direct our business to them, if at all possible.



Alex M. Chi
President

48 Nancy Street
West Babylon, NY 11704
www.demetontech.com

T : 631-491-1592
F : 631-491-1622
Alexdemeton@aol.com

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: waldvogelmet@verizon.net

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

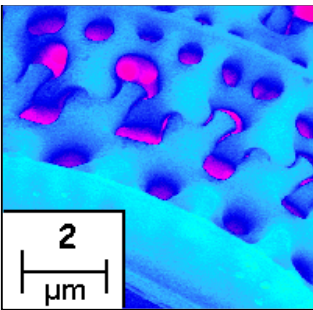
243-A Wyandanch Avenue, North Babylon, New York 11704
Phone (631) 643-6792 Fax (631) 643-5628
www.litlab.com Email: rao@litlab.com

STONY BROOK
STATE UNIVERSITY OF NEW YORK

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

University/Industry Partnering Together

Your samples-Our SEM



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


Snapshots from the last Students' Night (April 2010)




Buehler's Class of 2008

Providing Professional Solutions
Productivity and reliability are the cornerstones of the development process at Buehler. Partner Buehler equipment with our superior consumables to maximize your output and attain high quality results.

For further information contact:
Sandy Anderson, Sales Engineer
Tel: 1-800-BUEHLER • 1-800-283-4537
Http://www.buehler.com • Sandy.Anderson@buehler.com



41 Waukegan Road • Lake Bluff, Illinois 60044-1699



Best in Class



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

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

Luca A. Servino
Account Representative
New England

Long Island Chapter Meeting Schedule

Dec. 9, 2010 **Place:** Mauricio's, St. James
 Speaker: Silvia Centeno, MMOA
 Topic: Art and Materials

Jan. ??, 2011 **Joint Meeting with LIANS**
 Place: South Shore Restaurant, Patchogue
 Speaker: tba
 Topic: tba

Feb. 16, 2011 **Place:** Copper Wok, Hicksville
 Speaker: Rich Schwartzman, Aeroflex
 Topic: Electronic Materials

Metro NY-NJ Chapter
(website <http://www.asm.nynj.org/>)
(contact: Rich Lynch @ 201-891-8399)

Nov. 18, 2010 **Place:** Saddlebrook, NJ
 Speaker: Zengmi Koenigsmann,
 Chromalloy

Long Island Metal Workers Society
(website <http://www.limws.org>)
(contact: Jamie Swan @ 631-754-1457)

Nov. 17, 2010 **Library Night (various speakers)**



Peter D. Indrigo
Senior Vice President

73 Mall Drive
Commaçk, NY 11725, USA
Email: peterd@unitronusa.com

Phone: **631-589-6666**
Fax: 631-589-6975
Website: www.unitronusa.com

2010-2011 CHAPTER OFFICERS
[() – term expires]

Chairman (2011)
Jim Quinn - (631) 632-6663
Stony Brook University

Vice Chairman (2011)
Ken Trelewicz - (631) 244-6238
Dayton T. Brown Inc

Secretary (2011)
Gary Elgort - (212) 894-9504
Consolidated Edison

Treasurer (2012)
Peter Indrigo - (631) 589-6666
Unitron Ltd.

Executive Committee Members
Alex Chi (2013) – (631) 491-1592
Demeton Technologies
John Coyle (2012) - (631) 589-6666 x2619
Unitron Ltd.
Carl Czajkowski (2011) - (631) 344-4420
Brookhaven National Laboratory
Krishan Garg (2013) – (631) 589-6300 x615
Dayton T. Brown Inc.
Atul Gokhale (2013) – (631) 926-0209 x614
Dayton T. Brown Inc.
Rao Tipirneni (2011) - (631) 643-6792
Long Island Testing Laboratories Inc.
James Waldvogel (2013) – (516) 564-7839
Waldvogel Metallurgical Inc.
Al Wirth (2012) - (516) 333-7429
Retired

ADVISORY
Biays Bowerman (2011) - (631) 344-2946
Brookhaven National Laboratory

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