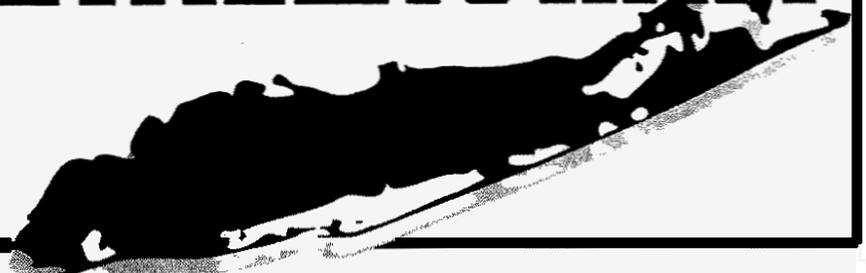




METALLAGRAM

LONG ISLAND CHAPTER



Volume 64 Issue 6

Chapter website: <http://DoL1.eng.sunysb.edu/asm/>

SUSTAINING MEMBERS NIGHT

Next Meeting Wednesday March 22nd, 2023

Where Pollo Rico Latin Bistro, Centereach, NY

Topic: **Marine Materials**

Speaker: Bob Aller, Stony Brook SOMAS

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

Members ... \$25 Guests ... \$27 Students ... \$15

(New and recently transferred-in members free)

Reservations appreciated – contact Dan Migliorino

at MigliorinoDan@gmail.com or 516-468-9615

Directions to Pollo Rico Latin Bistro

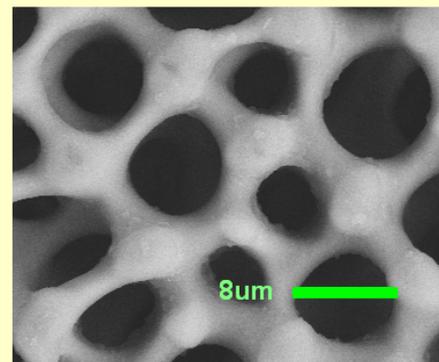
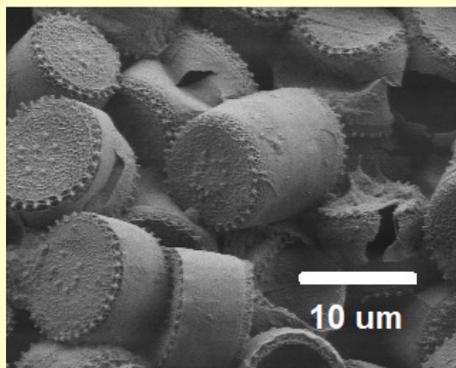
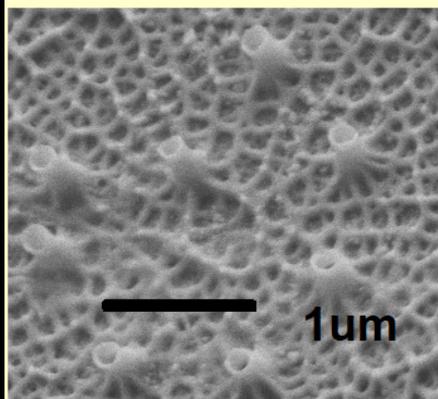
Pollo Rico is located at 2435 Middle Country Road (Rte. 25), Centereach. Probably the simplest way to get there from the LIE is to take Exit 62 (Nicolls Road) and go north on CR 97 (towards Stony Brook). Continue north for about 3 miles then take the exit to Rte. 25. At the traffic signals at the end of the ramp go left and head west (Smithtown). The restaurant will appear after about 1.5 miles, on the right side of the highway. Their telephone number is 631-471-0585. Their website is: <http://www.polloricolatinbistro.com/> .

The Speaker

Robert Aller is a Distinguished Professor of Marine Biogeochemistry in the School of Marine and Atmospheric Sciences, Stony Brook University, where he has been on the faculty since 1986. His research focuses on the biological, chemical and physical changes in sediments during their deposition and burial, and interactions of sediments with overlying water. He received a BS in Biology-Geology and a BA in Chemistry from the University of Rochester, and a MPhil and PhD in Geology & Geophysics at Yale University.

The Topic

Organic matter and biogenic inorganic debris are formed on land, in the water column or within sediments, and are mixed together in the seabed, where they undergo a wide-range of chemical reactions. I will discuss the properties and fates of typical biogenic inorganic materials, such as diatom frustules (SiO_2) and carbonate skeletons (CaCO_3), and the organic linings of worm tubes, that help determine the composition of sediments, interactions with overlying water, and the habitat of bottom-dwelling animals.



ReliaCoat
Technologies

RELIACOAT
TECHNOLOGIES, LLC

WANHUK BRIAN CHOI, PH.D.
Chief Operating Officer

35 Orville Drive, Suite 1
Bohemia, NY 11716-2533, USA

Tel: (631) 739-8818
Fax: (631) 675-2533
brian.choi@reliacoat.com
www.reliacoat.com

CVD
Equipment
Corporation

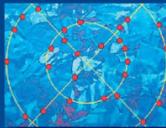
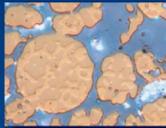
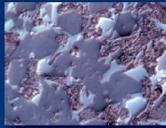
enabling tomorrow's technologies™



631 981 7081 | www.cvdequipment.com

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

Since 1952

LAWRENCE RIPAK, 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

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
- 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



Denise Marcoccia
CEO

dmarcoccia@cladmetal.com
C: 631.988.0732

P: 631.666.7750 x 111 | F: 631.666.5347
1516 Fifth Industrial Court, Bay Shore, NY 11706

www.cladmetal.com



Quality Products for Metallographic
Sample Preparation & Analysis



Contact Mike Hattie
(800) 675-1118 (HQ)
(203) 751-2779 (Cell)

www.alliedhightech.com

A World of
Engineering & Testing
Under One Roof



www.dtb.com

MATT MAY
Manager
Environmental and Dynamics

1195 Church St.
Bohemia, NY 11716

Direct: (631) 244-6207
Mobile: (631) 317-3384
E-mail: mmay@dtb.com

FORMISANO & ASSOCIATES, INC.

EXPERT WITNESS • LITIGATION SUPPORT
WELDING ENGINEERS • CONSULTANTS
QA /QC • CERTIFIED INSPECTION

P.O. Box 324, Gardiner, NY 12525 Phone: (845) 255-8225

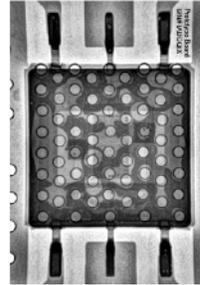
BARRY FORMISANO, PRESIDENT

Cell: (914) 388-0155

Email: formisano.assoc@att.net

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

L. I. T. Labs, Inc.

Metallurgists/Analysts



Since 1985

L.I.T. Labs, Inc.

| | |
|-------------------------|------------------------|
| Chemical Analysis | Mechanical Testing |
| Metallography | Tensile Testing |
| Failure Analysis | Fastener Testing |
| Expert Testimonies | Welder Qualifications |
| Hardness/Micro-Hardness | Weldability Evaluation |

Rao Tipirneni, President

97 Marcus Boulevard P: 800-300-8176
Hauppauge, NY 11788 F: 631-643-5628
www.litlab.com rao@litlab.com

Accredited: Nadcap Materials Testing, ISO 17025 Compliant
Specialists in Aerospace Materials Testing

STONY BROOK

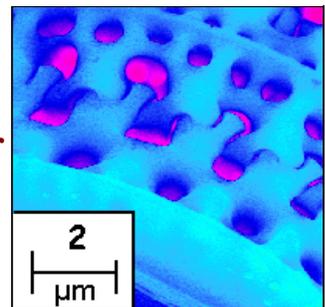
STATE UNIVERSITY OF NEW YORK

**University/Industry
Partnering Together**

Your samples-Our SEM

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

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



MetLab
Corporation



800-828-6866

www.metlabcorp.com

TRUSTED SINCE 1968



BUEHLER
Innovative
Metallographic
& Hardness Testing
Solutions



Strong Partner, Reliable Solutions



Improve your Process, Contact
Connor Fulbright, Sales Engineer
connor.fulbright@buehler.com
Direct: 201-661-3863

ON-LINE FORUM

ASM now has an active on-line forum called "ASM Online Member Community". You can join by going to:

<https://www.asminternational.org/communities>

Long Island Chapter Meeting Schedule

| | |
|----------------|---|
| Mar 22, 2023 | Bob Aller, Marine Materials Pollo Rico, Centereach, NY |
| April 19, 2023 | Student Nite Old Field Club by West Meadow Beach |
| Sept 20, 2023 | TBA |
| Oct 18, 2023 | TBA |

Metro NY-NJ Chapter

www.asminternational.org/web/metro-nynj-chapter

UNITRON® EXCELLENCE BY DESIGN



Sal Macedonio

Imaging Applications Specialist
sal@unitronusa.com

73 Mall Drive
Commack, NY 11725

631-543-2000 • 631-589-6975 • www.unitronusa.com

EXTEC®

High quality, affordable, precision sample preparation supplies & equipment for: **Cutting • Mounting • Grinding • Polishing**

Order online today at WWW.EXTEC.COM or contact
John Long • (610) 662-7700 • jlong@extec.com



Meet the Extec Labcut 5000® Series

Advanced Precision Composite Plate Saw.
Your solution for highly accurate and repeatable composite test coupons.

Learn more at www.Labcut5000.com

Struers
Ensuring Certainty

Metallography & Hardness Testing

When it comes to your metallographic preparation and testing solutions, Struers delivers...

- Powerful Equipment
- High-Quality Consumables
- Intelligent Support
- Outstanding Service

Contact Struers Account Representative

John Rys at +1 440.986.0046
john.rys@struers.com



2022-2023 CHAPTER OFFICERS

Chairman

Jim Quinn - (631) 632-6663, Stony Brook University

Vice Chairman

Ken Trelewicz - (631) 244-6238, MatEcon, Inc.

Secretary

Mike Guggenheim - (631) 643-6792
Long Island Testing Lab., Inc.

Treasurer

Peter Indrigo - (631) 689-2186..

Executive Committee Members

Konrad Kozdra, Sartorius Stedim Biotech
(631) 870-8557

Dan Migliorino, BNL/NSLS
(516) 468-9615

Emma Peleg, Sandia National Laboratory
(212) 203-6794

Rao Tipirneni, Long Island Testing Laboratories Inc.
(631) 643-6792,

James Waldvogel Waldvogel Metallurgical Inc.
(516) 564-7839

ADVISORY

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