



METALLAGRAM

LONG ISLAND CHAPTER



Volume 58 Issue 7

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

******* Sustaining Members Night *******

Next Meeting Wednesday, March 22, 2017

Where Pollo Rico Latin Bistro, Centereach, NY

Topic: Computed Tomography, X-ray Radiography, and our Critical Infrastructure.

Speaker: Vijay Alreja, VJ Technologies

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 – call Peter Indrigo at 631-589-6666

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 Talk

Our power grid was first conceptualized by Thomas Edison in the 1870's. It has to work every single minute of every single day forever. Ensuring the reliable delivery of electrical power to the most critical users in the present industrial society places significant demands on the electrical supply providers to maintain the integrity of their supply system. Distribution of electricity via below ground feeder cables is prevalent in many industrialized cities and these cables are subject to movement and stresses due to changing power loads and seasonal changes in the environment. The ability to identify potentially imminent points of failure is critical to effective preventative maintenance and the avoidance of serious failures. In collaboration with the R&D Department of ConEd, the design, development and field validation of a practical x-ray based Limited Angle Computed Tomography technique for the inspection of below ground feeder cable joints has provided the power supply industry with the ability to monitor the integrity of this part of their distribution system without interrupting critical supplies, and to prioritize and plan the maintenance required to sustain a reliable power grid.

Our Speaker

Vijay Alreja is the founder and director of the VJ Technologies, Inc. VJ Technologies (VJT) is a global leader in providing digital x-ray based non-destructive testing equipment and services. A certified Level 3 in RT and NT (Radiography and Neutron Radiography), Vijay started VJT in 1987 from his own garage in NY. Today, VJT has grown into VJ Group (VJG), a multi-national company with offices in China, India, and France, as well as strategic partnerships throughout the world. Under the VJG umbrella are three separate organizations: VJ Technologies (VJIS) specializing in state-of-the-art industrial radiography solutions; VJ Electronix (VJE) providing the test, validation, and quality control needs for a variety of electronics industries; and VJ X-Ray (VJX) offering x-ray sources for OEM use in the industrial, medical, food and security markets. Vijay earned his B. Tech from IIT in Bombay, and followed up with an MS in Material Science and Engineering from Stony Brook University in New York. The author of multiple papers dealing with x-ray diffraction, digital radiography, neutron radiography, and real-time radiography, Vijay works out of the corporate headquarters in Bohemia, NY.

Recent ASM Webinars: <http://www.asminternational.org/news/webinars>:

- * An Alternative Nondestructive Testing Method in Ferromagnetic Materials
- * 3D X-ray Microscopy for Nondestructive Imaging
- * Using Inverted Microscopes to Analyze Grain Size
- * Sample Preparation of Nanocomposites and Nanomaterials Using Ultramicrotomy
- * Understanding the Microstructure of Iron-Based Alloys



WANHUK BRIAN CHOI, PH.D.
Chief Operating Officer

10 Technology Drive, Unit 3
East Setauket, NY
11733-4063, USA

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



3-D PRINTED SENSORS AND ANTENNAS

JEFFREY BROGAN, PH.D., CEO

100 North Country Road, Suite #4
East Setauket, NY 11733
WWW.MESOSCRIBE.COM TEL: 631 686 5710 EXT. 1#
JBROGAN@MESOSCRIBE.COM CELL: 631 335 8991

Carl Zeiss...



Since 1952

LAWRENCE RIPAK CO., INC.

NDT • METAL FINISHING

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: Iripak@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



CLAD METAL SPECIALTIES

www.cladmetal.com
1516 Fifth Industrial Court
Bayshore, New York 11706

"Your Need Time is our Lead Time"

Denise Marcoccia
Vice President

ph 631/666-7750
fax 631/666-5347
dmarcoccia@cladmetal.com

A World of
Engineering & Testing
Under One Roof™



www.dtb.com

ATUL GOKHALE PHD

Chief Metallurgist
Engineering & Test Division

1195 Church St.
Bohemia, NY 11716

Direct: (631) 589-6300 x614
Mobile: (631) 926-0209
Fax: (631) 589-3648
E-mail: agokhale@dtb.com

FORMISANO & ASSOCIATES, INC.

Welding Engineers • Consultants
Expert Witness • Litigation Support
QA/QC • Certified Inspection

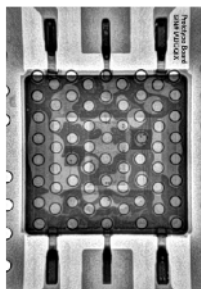
BARRY FORMISANO, PRESIDENT

Cell: (914) 388-0155
Email: formisano.assoc@att.net

P.O. Box 324 125 Wolf Road
Gardiner, NY 12525 Albany, NY 12205
Phone/Fax: (845) 255-8225 Phone: (518) 925-8306

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



Chemical Analysis Mechanical Testing
Metallography Metallurgical Failure Analysis
Expert Testimonies Welder's Qualifications
Weldability Evaluations

T. Rao Tipirneni, President

97 Marcus Boulevard P: 631-643-6792
Hauppauge, NY 11788 F: 631-643-5628
www.litlab.com rao@litlab.com

Specialists in Aerospace Materials Testing Since 1985

STONY BROOK

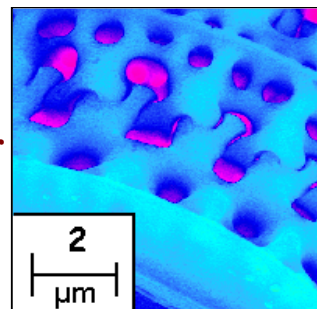
STATE UNIVERSITY OF NEW YORK

**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

FREE SHIPPING & 10% OFF
call 1-800-828-6866 for more information

starting at
\$2,995

starting at
\$6,995

starting at
\$5,995

FOR ALL YOUR METALLOGRAPHIC NEEDS SINCE 1968
www.metlabcorp.com 1-800-828-6866

Subscribe to an ASM Newsletter: <http://www.asminternational.org/news/newsletters>

AM&P (Advanced Materials & Processes) eNews

eElastic eNews

EDFA (Electronic Device Failure Analysis) eNews

FAS eNews

HTPro (Heat Treating Pro) eNews


TSS eNews



**Solutions for
Materials Preparation,
Testing & Analysis**

BUEHLER
An ITW Company
41 Waukegan Road • Lake Bluff, IL 60044
(847) 295-6500 • www.buehler.com

**For more information,
contact:**
Scott Prenovitz
(508) 361-8451
scott.prenovitz@buehler.com



Ensuring Certainty
When it comes to your materialographic preparation and testing solutions, Struers delivers...
**Powerful Equipment
Intelligent Support
Outstanding Service**

Contact Struers Account Representative
Jeff Metz at 314.293.1740

Solutions for your business @ www.struers.com
Tel: 888.STRUERS Email: info@struers.com

ZEISS Carl Zeiss
Authorized Dealer



UNITRON®
Excellence by Design

Peter D. Indrigo
Senior Vice President
peterd@unitronusa.com

73 Mall Drive, Commack, New York 11725
www.unitronusa.com
Phone: 631-543-2000
FAX: 631-589-6975

2016-2017 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) 589-6666. Unitron Ltd.

Executive Committee Members

Atul Gokhale, Dayton T. Brown
(631) 926-0209 x614

Dan Migliorino, ReliaCoat Technologies
(631) 739-8818

Collin Olson, D’Addario
(631) 439-3335

Jake Ranneklev, Curtiss-Wright Corp.
(631) 756-4740

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



High quality, precision supplies & equipment
for: Cutting • Mounting • Grinding • Polishing

Order online today at WWW.EXTEC.COM

See the new Extec® Labcut 5000 Advanced Composite
Plate Saw Series at www.labcut5000.com

Long Island Chapter Meeting Schedule

April 19, 2017 Students Night
Speakers, Topics: tbd
Location: Old Field Club, E. Setauket

Metro NY-NJ Chapter
<http://www.asminternational.org/web/metro-nynj-chapter/home>

March 15, 2017 ... Pantargis Renaissance, Scotch Plains, NJ
Topic: Nondestructive Testing
Speaker: tbd