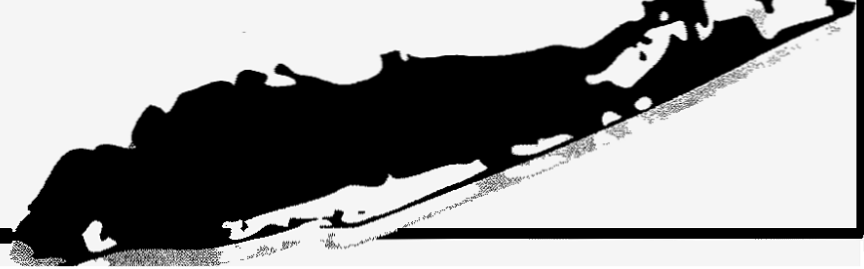




The Materials Information Society

LONG ISLAND CHAPTER

METALLAGRAM



Volume 64 Issue 1

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

Joint Meeting with the Long Island Section of the American Nuclear Society

When Wednesday, September 21, 2022

Where Pollo Rico Latin Bistro, Centereach, NY

Topic: Commissioning the Dark Energy Telescope

Speaker: Rebecca Coles, Brookhaven National Laboratory

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

Rebecca Coles is an Assistant Physicist on the Detector Systems and Applications team at Brookhaven National Laboratory where she works on AI and machine learning software. She did her PhD at Wayne State University, where she was funded by WSU, with additional funding from the Department of Energy Grant: Office of Science Graduate Student Research (SCGSR). She has also worked at: the National Synchrotron Light Source II (NSLSII) (Experimental Controls and Data Acquisition), The Ohio State University (Dark Energy Spectroscopic Instrument (DESI) and Sloan Digital Sky Survey V (SDSS-V)), Brookhaven National Laboratory (Large Synoptic Survey Telescope (LSST)), Lawrence Berkeley National Laboratory (Baryon Oscillation Spectroscopic Survey (BigBOSS)), and Fermilab (Sloan Digital Sky Survey II (SDSSII), Supernova Acceleration Probe (SNAP), and the Tevatron Particle Accelerator.

The Topic

The Dark Energy Spectroscopic Instrument (DESI) is under construction to measure the expansion history of the Universe using the Baryon Acoustic Oscillation technique. The spectra of 35 million galaxies and quasars over 14000 sq deg will be measured during the life of the experiment. A new prime focus corrector for the Kitt Peak National Observatory (KPNO) Mayall telescope will deliver light to 5000 fiber optic positioners. The fibers in turn feed ten broad-band spectrographs. The primary goals of this program were to calculate the transformations and further develop the systems that will place fibers within 5 μ m RMS of the target positions. We used the commissioning instrument metrology program to measure the absolute three axis Cartesian coordinates of the five charge coupled devices (CCDs) and 22 illuminated fiducials on the commissioning instrument.



**RELIACOAT
TECHNOLOGIES, LLC**

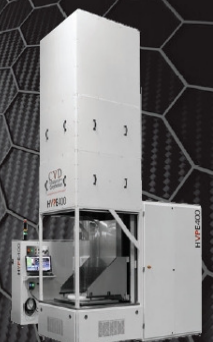
WANHUK BRIAN CHOI, PH.D.
Chief Operating Officer

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

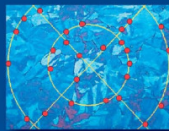
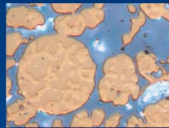
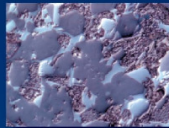
enabling tomorrow's technologies™



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 RIPAК CO., INC.

NDT • METAL FINISHING

Since 1952

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

ANODIZING

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

PLATING

- Titanium-Cadmium
- Cadmium
- Brush Plating

CLEANING

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

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™



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

www.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

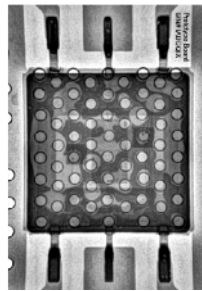
BARRY FORMISANO, PRESIDENT

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
Hauppauge, NY 11788

www.litlab.com

P: 800-300-8176

F: 631-643-5628

rao@litlab.com

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

STONY BROOK

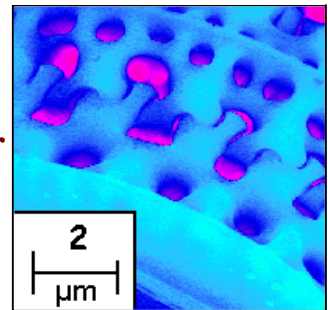
STATE UNIVERSITY OF NEW YORK

**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



800-828-6866
www.metlabcorp.com
TRUSTED SINCE 1968

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>

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.

Long Island Chapter Meeting Schedule

Oct., 19, 2022 **Speaker: (Dayton T Brown)**
Topic: tbd
Place: Pollo Rico, Centereach, NY

Nov., 16, 2022 **Students Night**
Topic: Senior Projects & Pizza
Place: Stony Brook University

Metro NY-NJ Chapter

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

Sep. 13, 2022 **Speaker: Prof. K. Barmak, Colombia U**
Topic: Predicting Grain Growth
Virtual Meeting

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

Nick Olynik, Stony Brook University (EMREL).

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



[VIEW CATALOG >>](#)

**20 PRODUCT
22 CATALOG**

Featuring

Equipment & Consumables for
Material Preparation & Hardness Testing

