May, 2015

This Issue:
Meeting Location:
Praxair Electronics / MRC
560 Route 303
Orangeburg, New York 10962
Please reserve in advance so that Praxair can plan for and accommodate those attending.
See page 2

3. Views from the Meetings:
3/24/15 & 4/21/15

4. Welcome New Members
Reap More Benefits—Participate

5. Teachers Materials Camp - Funding Sponsors Needed Coming Events
Keep your info current

Chair’s Message
Greeting Materials Engineers and Scientists:

We are coming to a close on our ASM Season for 2014-15 and we hope you found it successful and an assistance to your technical needs. We view the Technical Meetings as a networking opportunity ad a place to mix diverse views on materials, state and world issues. We view our organization as a place to get some assistance and to give some too.

On May 21st we are planning a plant trip to Praxair Materials in Orangeburg, NY. The Tour will start at 6:00pm, but a sign-in is required, so please plan to arrive before 5:45pm. Although Praxair is known as the major industrial gas in America, it also has a subsidiary producing high quality sputtering targets for the electronics industry. these targets are used in most semiconductor and thin film processes. They are formed and made to exacting dimensions and quality at this site. Purity is of utmost importance too. Come join us on May 21st.

For the past decade, our Chapter has hosted an ASM summer Teachers Materials Camp in conjunction with NJIT. Dr. Roumiana Petrova of NJIT has been involved in organizing this program for over a decade and has put major efforts into making it a success. The goal is to introduce materials science and engineering concepts to middle and high school teachers within our area. Over the years, we have bridged relationships with some districts and teachers with the hope that graduating students can pursue a career in materials science and engineering. In the past, we have received funding from ASM, NSF and NJIT, but this year, we are unable to run the program due to a lack of funding support. We hope this plea can get a company interested in paying a few thousand dollars to Sponsor the program for the summer of 2016. The donation is tax deductible, the company will receive credit in all the promotions, and our chapter will be forever grateful. For complete information, please contact Dr. Roumiana Petrova at: petrova@njit.edu

At this writing, here’s looking forward to a safe and warmer summer than this chilly spring. I am opening my vegetable garden gets started soon, though I have planted some greens already.

Dr. Robert Sherman, Applied Surface Technologies Chairman, ASM Metro NY-NJ Chapter
roberts@co2clean.com

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Plant Visit  
791st Meeting  May 21, 2015  Thursday

Program:
5:45 pm  Sign-In**
6:00 pm  Tour
Dinner will be provided courtesy of Praxair**

**NOTE: PLEASE e-mail your reservation in advance to Alfred Snowman: asnow07631@verizon.net so Praxair can plan for and accommodate everyone

Cost:
Members/Guests/Students  Free

Place:
Praxair Electronics/MRC
560 Rt. 303, Orangeburg, NY 10962
General directions are below

Praxair Electronics, Inc. combines its extensive background in industrial gas and material science with an experienced sales and service organization to meet the needs of its semiconductor and manufacturing customers. Their products satisfy the electronics industry’s exacting standards for safety, quality, control, reliability and performance, and offer a value-added portfolio of ultra-high–purity process gases, precursors and sputtering targets to meet their needs. They have state-of-the-art facilities in North America, Europe and Asia.

Visit their website at:  www.praxair.com/electronics

General Plant Location:
Orangeburg, NY is in Rockland County. Route 303 is accessible from the Garden State Parkway heading north to the New York Thruway / East 87/287 to Exit 12 (for Palisades Center Drive / West Nyack), to Palisades Center Drive to Route 303 South, then about 2-3/4 miles to Praxair on your right (west side of Rt. 303).

It is also accessible from the Palisades Interstate Parkway Exit 5N to Route 303 North, then about 1 1/2 miles to Praxair on your left (west side of Rt. 303).

Specific Directions
For complete, customized directions please refer to Bing® maps, Google® maps, Mapquest® or other map reference services.
Reap more benefits — Participate

As a member of the ASM Metro NY-NJ Chapter, your input and suggestions are welcome and encouraged. There also are numerous benefits and opportunities available to you by increasing your level of participation.

Through meeting attendance and involvement you will meet industry experts; gain more knowledge; keep current with the latest industry developments; and make valuable contacts. Serve on a committee or the Executive Board and you can hone your organizational and leadership skills, and acquire experience to help further your career and personal development.

This is a great time to start. Plans and committees are being formed for the 2015-16 season of the ASM Metro NY–NJ Chapter and you can be part of it. Just speak with any of the officers or directors about getting more involved. You’ll be glad that you did.

Welcome New Members

The Metro New York-New Jersey Chapter welcomes the following New Members and Transfers:

Mr. Kwaku Amoakoatta
Hamamatsu Corp.

Dr. Matteo Astorino
Symetis SA

Mr. Jason Cho
Carl Zeiss Microscopy, LLC

Mr. Andrew S. Dickinson
Procedyne Corp.

Mr. Jonathan B. Gabel, P.E.
Becton Dickinson

Mr. Brian F. Gerard
Fisk Alloy

Mr. Steven B. Herschbrin
International Business Machines

Mr. Terence L. Kane
International Business Machines

Mr. Stanley Kim
Hamamatsu Corp.

Dr. Stephan Kleindiek
Angstrom Scientific Inc.

Mr. Thomas Loughlin
ASME

Mr. Surbhi Mittal

Mr. Bill Moore
Hamamatsu Corp.

Mr. Omkar Nafday
Angstrom Scientific Inc.

Mr. Mark Najarian
FEI

Mr. Tomonori Nakamura
Hamamatsu Corp.

Mr. German Neal
Carl Zeiss Microscopy, LLC

Mr. Russ Oakes
Titanium Industries

Ms. Lindsey Patty
Carl Zeiss Microscopy, LLC

Mr. Kenneth C. Prescott, civ

Mr. Steven E. Richmond

Mr. John Rothenberg

Ms. Andrea Bahgat Shehata
IBM Research

Mr. Paul Slivka
Titanium Industries

Mr. Bob Sommerville
Angstrom Scientific Inc.

We are looking forward to seeing you at the meetings; and, as always, the first dinner that a new member attends is complimentary.
At the March 24, 2014 meeting, James R. Harrison, Marketing Manager, Special Projects, Curtiss-Wright Surface Technologies (shown above center right) gave a very interesting presentation entitled “Basic Concept of Laser Peening.” He received a Speaker’s plaque from Chapter Chair Dr. Robert Sherman (Center Left) on behalf of the ASM Metro NY-NJ Chapter.

Members, spouses & guests attended the April 21, 2015 “Friends & Family Night”

Speaker John Laurence Busch (left), received a Speaker’s plaque from Chapter Chair Robert Sherman on behalf of the ASM Metro NY-NJ Chapter, following his very well received presentation: “Steam Coffin — Building the First ‘Steamship’ in History”

Were You There?

Pierre Taubenblat (center) received the Harry E. Lunt Distinguished Service Award, the Metro NY-NJ Chapter’s highest honor, from Chapter Chair Robert Sherman (right) and Awards Committee member Richard F. Lynch. (left)

Photos courtesy of Dr. Richard F. Lynch, Lynch & Associates
Teachers Materials Camp — Funding Sponsors Needed

Unfortunately, the very popular and effective Teachers Materials Camp that has been presented during the summer for the past 10 years, will not take place this year due to lack of funding and support.

Unless there is an infusion of funds and assistance at the local level, the Metro NY-NJ Chapter Teachers Materials Camp program will not be able to continue to strengthens the curriculum in Science, Technology, Engineering, and Mathematics (STEM) at the secondary level.

At these very valuable one-week professional development workshops, middle and high school teachers learn the basics of Materials Science Technology; work hands-on with metals, ceramics, polymers and composites; and develop a greater appreciation for the importance of materials to modern life. The teachers see how to excite students to learn science concepts as they complete projects of personal worth to them.

By introducing teachers to the engineering professions through Materials Science, we influence students for years to come. Materials Science excites students’ interest because the student has every day, hands-on experience with materials. Thus, materials topics are great motivators in any engineering, technology or science course. Materials are also a very important and an integral part of the manufacturing process.

Please get involved — Your assistance as a sponsor, contributor, volunteer or other type of participation is welcome and needed. For complete information, please email Dr. Roumiana Petrova, NJIT at: petrova@njit.edu

Coming Events
ASM Metro NY-NJ Chapter

5/21/15 (Thursday) 5:45pm
Plant Visit (see page 2)
Praxair Electronics / MRC
560 Route 303
Orangeburg, NY 10962
Please email reservation to: asnow07631@verizon.net

Events and speakers subject to change. Please check the Chapter website for updates and information. Suggestions for speakers and topics for technical presentation are welcome.

Keep your member info current

Be sure to periodically check and update your member info at ASM Int’l Headquarters and include your current email address so that you can stay informed on developments and upcoming events.

To make changes, simply login to your member account at the ASM International website, or call ASM member services at: 800-336-5152 Monday-Friday, 8:30am - 5:00pm.

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