This Issue:

2. Next Meeting
   March 19, 2013 (Tuesday)

   Joint Meeting with American Welding Society, NJ Section

   “Industrial Safety”
   Brent Altemose, CIH, CSP
   SABRE Safety & Health

   Pantagis Renaissance/Snuffy’s Scotch Plains, NJ 07076

3. Course “Metallurgy for the Non Metallurgist” Starts 3/5/13
   Register Now

4. Calendar of Events
4. Directions to Pantagis
4. Welcome New Members

5. Views from the Meeting 11/27/12

6. 2013 Teachers Materials Camp

Membership Hotline
800-336-5152
Mon - Fri. 8:30am - 5:00pm

Please report any changes to your address, phone number, e-mail, etc.

ASM International Web Site:
http://www.asminternational.org

ASM Metro New York-New Jersey Chapter Web Site:
http://metronynj.asminternational.org

Chair’s Message

Dr. Nikhil Gupta’s presentation “Understanding Accident Injuries and Designing Treatments” at the Rutgers campus was very well received. As expected, the students showed immense interest in the talk focused on understanding the response of materials at high speed loading rates, including the effect on human bones. Daryl Kuligowski, who is a Director of our Chapter and President of the Rutgers Student Materials Advantage Chapter, took special interest in organizing the event. The talk was preceded by a short Power Point presentation on achievements of Materials Engineering students at Rutgers in 2012.

Our efforts to energize relations with other professional societies are catching strength. Our next technical meeting will be a joint meeting with the American Welding Society (AWS) New Jersey Section, scheduled for March 19th in Scotch Plains, NJ 07076. Mr. Brent Altemose will discuss how to implement an effective safety program in industrial operations. Details appear on page two.

The course titled “Metallurgy for Non-Metallurgists” has been finalized. It will be held in Rahway, NJ 07065 on Tuesdays and Thursdays, in the evening per popular demand, starting March 5th. The course has been designed for those with no previous training in Metallurgy. Ideally, it will cater to personnel from other disciplines, such as commercial, administrative, management, or support, who are associated with operations in metallurgical related companies. Most of us are in metallurgical businesses of some sort and surely know which co-workers will benefit from such a course without disturbing their working or family time. We still have some seats available. For more details, see the flyer on page 3, or contact the course director, Mr. Pierre Taubenblat, pierregersey@aol.com or me, punjsatish@yahoo.com

Dr. Roumiana Petrova has finalized dates for the 3rd annual Materials Camp for Teachers. It will be held June 24-28, 2013 at NJIT. Our aim is to provide a window to the wonderful world of materials used in everyday life. The one week course if free to teacher attendees. Lunch and snacks during breaks will be provided. For their participation, the attendees receive 4 CEUs; they can

(Continued on page 6)
Joint Meeting with American Welding Society
New Jersey Section

Program:  
6:00 pm Networking  
6:30 pm Dinner  
7:30 pm Presentation

Place:  
Pantagis Renaissance/Snuffy’s  
250 Park Ave., Scotch Plains, NJ  
Link to directions appears on page 4

Cost:  
Members & Guests:  $ 25.00  
Students:  Free

Industrial Safety

Speaker:  Brent Altemose, CIH, CSP  
Principal Consultant, SABRE Health and Safety, Clinton, NJ

This presentation discusses how to implement an effective safety program for welding and other industrial operations. Selected OSHA Regulations as well as best practices will be described.

Specific areas of discussion will include:
- Safety Regulations
- Identifying and Prioritizing Risks
- Personal Protective Equipment
- Air Monitoring for Hexavalent Chromium and Welding Fumes
- Local Exhaust Ventilation

Brent Altemose is president and principal consultant at SABRE Health & Safety. His expertise is a unique blend of safety, engineering, and industrial hygiene, drawing on 17 years experience as a health & safety professional in the utility, pharmaceutical, medical device, construction, and consulting industries. He is both a Certified Safety Professional and a Certified Industrial Hygienist. He has significant experience in safety program management, safety training, industrial hygiene, and machine safety. In the field of industrial hygiene, Brent has particular expertise in chemical exposure assessment strategies, analysis of industrial hygiene data, and local exhaust ventilation. For several years, he was the lead industrial hygienist for a Johnson & Johnson company with approximately 5,000 employees and 26 operating locations worldwide. Brent holds a BS in Mechanical Engineering from Penn State and an MS in Industrial Hygiene from the University of North Carolina at Chapel Hill.

Website: www.sabresafety.net
Metals and alloys are used in the greatest variety of applications of all engineered materials. As such it is essential for those involved in manufacturing, engineering and construction to have an understanding of what metals are, how they behave, and why they behave differently than ceramics, glass, and plastics. It is also important to understand how they can be made stronger or more corrosion resistant, how they can be shaped by casting, forging forming, machining, or welding, and how these processes can alter properties. This course provides this important knowledge to those who are not metallurgists.

3.0 CEUs

What You’ll Learn
- How metals are recovered from nature and processed into usable form
- The characteristics of different metal alloy systems
- A basic understanding of phase diagrams
- Factors that affect selection of the proper material
- Mechanical properties and various testing methods
- How the properties of metals can be altered through heat treatment
- Introduction to mechanisms of corrosion and comparative corrosive potential

Course Outline
1. Metals
2. Extractive Metallurgy
3. Solidification of Metals
4. Metal Forming
5. Mechanical Properties and Their Measurement
6. Steels and Cast Irons: Applications & Metallurgy
7. Heat Treatment of Steel
8. Case Hardening of Steel
9. Strengthening Mechanisms
10. Nonferrous Metals
11. Joining
12. Corrosion and Corrosion Prevention
13. Quality Control and Failure Analysis
14. Materials Characterization and the Selection Process

Who Should Enroll
This is an ideal first course for anyone who needs a working understanding of metals and their applications. It has been designed for those with no previous training in metallurgy, such as technical, laboratory, and sales personnel; engineers from other disciplines; management and administrative staff; and non-technical support staff such as purchasing and receiving agents who order and inspect incoming material.

Suggested Prerequisites
A basic understanding of chemistry and physics
Basic metallurgy

Instructor: Pierre W. Taubenblat, FASM, FAPMI
Dates: March 5, 7, 12, 14, 19 and 21, 2013
Time: 5:00 PM - 7:45 PM
Location: AEIS (Atlas Evaluation & Inspection Service)
943 E. Hazelwood Ave., Rahway, NJ 07065
Cost: $695.00 ASM Members / $750 Non Members
Cost includes a Course Manual

Note: Number of registrants is limited to 14. Please register before February 28, 2013.

To Register: Fill out the form below and include a check payable to: ASM Int’l Metro NY-NJ Chapter

Name_________________________________________________
Company______________________________________________
Company Address_______________________________________
Telephone contact_____________________________
Email _______________________________________
ASM Membership #________________________

Send to:
Pierre W. Taubenblat
358 No 4th Ave,
Highland Park, NJ 08904

For questions, or more info:
Phone: 732-545-9775
Email: pierregersey@aol.com
**Welcome New Members**

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

- **Mr. John Bakuckas**  
  FAA DOT

- **Ms. Andrea Buena**  
  Csubs

- **Ms. Sonia Chacon**

- **Ms. Tahreen Chowdhury**

- **Ms. Sharon Cooper**  
  Hunterdon Central Regional High School

- **Mr. Charles Danho**

- **Ms. Samantha Daves**  
  Stuyvesant High School

- **Ms. Karen Delgado**  
  Union Township Middle School

- **Mr. Andrew C. Farinella**  
  Becton Dickinson

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

- **Ms. Lisa Gilmore**

- **Ms. Sara Kate Heukerott**  
  Springer Science and Business

- **Ms. Krystyna Jaskowski**

- **Mr. Kevin Jocoves**

- **Mr. William L. Johnson**  
  Chromalloy

- **Mr. Oanh Lo**  
  Marble Hill High School

- **Ms. Elizabeth Novak-Trombley**  
  Stryker Orthopaedics

- **Mr. Kashi Okamoto**  
  Hitachi Metals America

- **Ms. Genevieve Prendergast**

- **Mr. Deodat Ramkissoon**

- **Mr. Keith S. Reckling**  
  Advanced Coating Technologies

- **Mr. Kevin Ross**

- **Dr. Saeid Savarmand**  
  San Chemical Corporation

- **Mr. Victor Soliver**  
  Kawasaki Rail Car, Inc.

- **Mr. Gopi Tadakamalla**

- **Ms. Dakshina Valiveti**  
  ExxonMobil Research & Engineering

- **Mr. Scott Walker**  
  Mitsui Seiki

We’re looking forward to seeing you at the meetings; and, as always, the first dinner that a new member attends is complimentary.

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**March 19th**  
**Joint Meeting Location:**

**Pantagis Renaissance/Snuffy’s**  
250 Park Ave. (at Mountain Ave.)  
Scotch Plains, NJ 07076

908-322-7726  
[www.pantagis.com](http://www.pantagis.com)

As a general guide, this venue is located about four miles west of the regular meeting location at L’Affaire.

The Pantagis website contains a direct link to Google® maps that will provide you with custom directions from any location.

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Speaker: George Vander Voort, FASM, FASTM
Vander Voort Consulting

November 27, 2012
at L’Affaire Mountainside, NJ

(L-R): George Vander Voort receives an honorarium from Chapter Chairman Satish Pun

Were you there?
ASM Teachers Materials Camp 2013  
June 24 - 28, 2013  
New Jersey Institute of Technology, Newark, NJ

An ASM Materials Camp 2013 for high school general science, chemistry, physics, math and technology teachers and middle school science teachers will be held at NJIT between June 24-28. This is a one-week workshop to demonstrate how low cost and no cost, simple labs and experiments, using everyday materials, can be integrated into existing lesson plans. The purpose is to engage and excite young people in science and math!

This is a free program supported by funding from the ASM Materials Education Foundation, the New Jersey Institute of Technology, and a variety of corporate sponsors. Additional contributions are encouraged from members and local companies.

Complete information and an online application are available at: http://www.asmfoundation.org/portal/site/www/foundation/

Once there, scroll down the left panel and click: “Teachers Materials Camps”

Contact Dr Roumiana Petrova at NJIT: petrova@adm.njit.edu if you have questions or wish to become a sponsor.

Please share this information with teachers that you may know.

Chair’s Message  Continued from page 1

also opt for 2 graduate level credits. Also, a one year membership in ASM International provides access to a great deal more. Since 2002, the camps have introduced thousands of teachers to hands-on learning about the role of materials in our daily lives.

Please pass on this information to the local high schools. For details & flyers, please contact Dr. Roumiana Petrova petrova@adm.njit.edu or Secretary Barry Greene bgreene@mti-global.org.

It is sad that some of our very capable members are still out of a job. If your organization does need someone with a materials background please let us know. We will publish the requirement in our Bulletin free of charge.

As always, we welcome suggestions to make our Chapter healthier with more participation of students, young professionals and seasoned professionals.

Satish Punj, Chair, ASM Int’l Metro NY-NJ Chapter

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