Thursday, February 16, 2017

Speaker:
Dr. William Kane
Managing Engineer for Exponent

Topic:
Structural Materials and Mechanical Systems

“Every failure is an opportunity to learn. When a structure or component fails we may immediately witness the visible result, from a loss of functionality all the way to complete destruction. But the root cause of a failure often goes much deeper. By analyzing these failures we have an opportunity to learn more about the materials around us, how they behave, age and degrade. We also have a chance to learn about how we use and misuse those materials. In this talk we’ll review several failure analysis cases and discuss the lessons learned, and how we can apply those lessons going forward.”

Dr. William M. Kane is a Managing Engineer in Exponent’s Materials and Corrosion practice, where he performs root cause failure analyses of structural materials and mechanical systems, ferrous and non-ferrous metals analysis, examinations of structure/property relationships, chemistry and heat treatment effects on the strength and performance of materials, fracture analysis of plastics and elastomers, fracture mechanics, fatigue and (continued on page 3)

Technical Chairperson: Al Singmaster, Al Singmaster Personnel Services
Meeting Sponsors: Solar Manufacturing, Inc. and Element Materials Technology

CONTINUING EDUCATION NIGHT

MEETING CANCELLATION NOTIFICATION

In the event of cancellation of a meeting due to inclement weather, we will broadcast the news as part of KYW News radio’s (1060 AM) Storm Center Service. ASM cancellations will be specifically announced when KYW airs community cancellations at :20 and :50 past each hour during the afternoon of the day of the meeting. ASM’s name will be specifically mentioned, so listen for the name rather than an organization number as is used for schools.

Maggio’s, Southampton (see page 5 for directions)

Menu: Classic Caesar Salad, Oven Roasted Potatoes, Vegetable Medley, Penne Parmesan with melted Mozzarella, sliced roast beef in gravy with rolls and horseradish cream sauce Dessert: Ice Cream Sunday Station Beverages: Freshly brewed Columbian coffee, Iced Tea, Soda. One hour open bar by consumption (2 drink tickets per person) - Cash bar following

Social Hour: 6:00 - 7:00pm, Dinner: 7:00pm

Prices: Members and Guests $35 | Retirees $24 | Students and Faculty $15

Meeting Registration: PLEASE NOTE**: All reservations must contact Trevor Jones at 215-721-1502 ext 1220 or on our website at http://philadelphia.asminternational.org no later than 1:00 PM on the Tuesday before the meeting to guarantee availability.

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CHAIRPERSON’S MESSAGE
FEBRUARY 2017

Hello from the ASM Liberty Bell Chapter. I can’t believe it’s already February but at least the winter season has been relatively mild so far. We are also half way through the ASM year.

As you have already been notified, our meeting this month will take place at Maggio’s on Thursday, February 16th. This is the second time that we are holding a meeting at this venue. If you were unable to attend the October meeting, I hope you can make it to this one as Maggio’s was impressive. The February meeting is Continuing Education Night and we are looking forward to hearing from Dr. William Kane.

Please mark your calendar for next month’s meeting - National Officers Night, being held on Monday, March 20th at Normandy Farm in Blue Bell.

I hope to see you in a couple of weeks at Maggio’s!

Sincerely,
Nick Cordisco
2016-2017 Chapter Chairperson

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2017 UPCOMING EVENTS

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Bio - Dr. William M. Kane (continued from page 1)

environmental effects on materials. He has examined the mechanical behavior of structures, products, and components regarding issues of strength, stability, friction, and wear.

Dr. Kane’s research includes fracture analysis and microscopy, corrosion, materials selection, analysis of implant and device materials, and the design and failure of welds and welded structures. He provides consultation on cranes and lifts, including wire rope, chain, hook and structural failures, process piping, pressure vessels, industrial and pharmaceutical production equipment including piping, valves, pumps and vessels, railroad components such as tanks, valves, cushions and suspension components, construction equipment, medical devices and implants, elevator components, oil tanks, automotive and trucking chassis and suspension components, fire suppression systems including piping and sprinklers, walkway surfaces and consumer products.

Prior to joining Exponent, Dr. Kane pursued materials research at the University of Pennsylvania, where he specialized in brittle failure of high temperature aerospace alloys and power-generation turbine materials. He continues to hold a lecturing position at Penn, where he teaches Environmental Degradation of Materials and oversees the senior design program for the Materials Science Department.

JOIN US IN MARCH FOR NATIONAL OFFICERS NIGHT!
Monday, March 20, 2017

Location: Normandy Farms, Blue Bell

Topic: ASM and Education

Speakers:
Bill Frazier, ASM President and Bill Mahoney, ASM Managing Director

6:00 - 7:00pm - Social Hour
7:00 - 9:30pm - Dinner Meeting

Professors and area students are encouraged to attend this event.
ASM Liberty Bell Chapter Scholarships

In the academic year of 2017-2018, the Philadelphia Liberty Bell Chapter will provide three scholarships ($1500.00 each) to college engineering students who intend to pursue a career in Materials Science. All eligible students are encouraged to apply. One full-page essay (single spaced, Arial font, with font size between 11 and 12), stating his/her commitment to the Materials Science profession, will be required. Please contact Mr. Norman S. Marcus, P.E. (Email: normanmarc2@aol.com) for the application form and details. **The deadline for application is March 1, 2017.**

**Eligibility of Applicants:**

a) All students pursuing a diploma program, an Associates Degree or Baccalaureate Degree at a Philadelphia area educational institution in Metallurgy and/or Materials Science are eligible for scholarship consideration. Philadelphia area educational institutions are defined as those physically located in Philadelphia, Montgomery, Bucks, Delaware, and Chester Counties in Pennsylvania; and Burlington, Camden, and Gloucester Counties in New Jersey.

b) The children of Philadelphia Chapter ASM Members who are pursuing a diploma program, an Associates Degree, or a Baccalaureate Degree in Metallurgy and/or Materials Science at any accredited institution, including those outside of the defined geographical area, also are eligible for consideration.

c) Students whose residence is established in the counties noted in Item (a) above, who are pursuing a diploma program, an Associates Degree, or a Baccalaureate Degree in Metallurgy and/or Materials Science at any accredited institution, including those outside of the defined geographical area, also are eligible for consideration.

**ASM INT. PHILA. CHAPTER SCHOLARSHIP APPLICATION (Academic Year of 2017-2018)**

Type or print neatly in black or blue ink:

1. (circle one) Miss Mrs. Ms. Mr. Name: __________________________________________

   Home Address: __________________________________________________________________

   City/State/Zip Code: ______________________________________________________

   Parent an ASM - Philadelphia Chapter Member?  Yes ____  No_____

   If “Yes”, Name: __________________________________________

2. College or University: ______________________________________________________

   Campus Address: __________________________________________________________________

   City/State/Zip Code: ______________________________________________________

   Expected Graduation Date and Degree: _______________________________________

3. Cumulative grade point average and basis (e.g. 3.5/4.0): __________________________

4. Employment experience (attach resume if applicable): ______________________________________________________________________

5. A personal essay (on separate sheet) describing special achievements, honors, and recognitions, background of interest in metallurgy/materials, interdisciplinary skills/interest and financial need. Essay should be no longer than two typewritten pages.

   A copy of your resume is required with your application form and essay.

6. Name: __________________________________________   Date: ______________________

7. Deadline:  Applications must be received by March 1, 2017. Send application and attachments as a Word or Adobe PDF file to:

   Mr. Norman S. Marcus, P.E., Phila. ASM Treasurer and Scholarship Chairman; P.O. Box 4042, Rydal, PA 19046

   Phone: 215-378-8195   Email: normanmarc2@aol.com

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Directions to Maggio’s:
400 2nd St Pike, Southampton, PA 18966

Via North I-95:
Travel on I-95 to Exit 37 (Street Road, Route 132). Coming off the exit at the light, make a left. Continue on Street Road approximately 8 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

Via South I-95:
Travel on I-95 to Exit 37 (Street Road, Route 132). Coming off the exit, make a right. Continue on Street Road approximately 8 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

Via PA Turnpike (Route 276):
Travel to PA Turnpike Exit 351, also known as 28. Take Route 1 south (remain on right side) for 1/4 mile. Travel west on Street Road (Route 132) for approximately 9 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

Via US Route 1 South:
Travel on Route 1 to Street Road (Route 132 West). Travel west on Street Road for approximately 5 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

Via US Route 1 North:
Travel on Route 1 to Street Road (Route 132 West). Travel west on Street Road for approximately 5 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

From NJ, Trenton/Mercer County:
I-95 South into Pennsylvania. Take I-95 south to Exit 37 (Street Road, Route 132). Turn right (West) on Street Road. Continue on Street Road approximately 8 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

From NJ, Burlington County:
Take Tacony-Palmyra or other Bridge into Pennsylvania and go I-95 north to Exit 37 (Street Road, Route 132). Turn left (west) on Street Road. Continue on Street Road approximately 8 miles until you reach 2nd Street Pike. Turn left. Approximately .5 miles on the right.

WELCOME NEW MEMBERS!

- Jason Davidson - Solar Manufacturing
- Adam Jones - Solar Manufacturing
- Brian Stern - Solar Manufacturing
- Eric Grebe - Dana Corporation

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