Speaker:
Erik Mueller, Ph.D., Materials Science and Engineering
Member of the Board of Directors for Failure Analysis Society (FAS)

Topic:
Lessons Learned on the GEnx Engine on Boeing 787s

Technical Chairperson:
Jerri Jefferies, Struers, Inc.

Meeting Sponsors:
Solar Manufacturing and Element Materials Technology

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.

ERIK MUELLER
Dr. Mueller is a member of the Board of Directors of the Failure Analysis Society (FAS). Dr. Mueller worked as a materials engineer with NAVAIR, a subsection of the US Navy, at NAS Jacksonville, FL for five years. He is a licensed professional engineer in Florida, Virginia, and the District of Columbia. Dr. Mueller graduated from the University of Florida in 2007, researching characterization and modeling of high temperature alloy corrosion in turbine engines. Erik serves on Board of Directors for the Failure Analysis Society, and participates on the Handbook committee for ASM International, and teaching the PE short course for TMS. Erik was formerly on the Emerging Professionals and Nominating Committees for ASM.

Joseph Ambler Inn
Menu: Choice of Parmesan Crusted Chicken Breast with Lemon Chardonnay Sauce or Pasta Primavera with Seasonal Vegetables. (all entrees served with Chef’s Selection of Potato and Vegetable, Coffee, Tea and Iced Tea). Dessert: Cheesecake with Raspberry Sauce.
E & O Meeting: 4:30pm, 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.
CHAIRPERSON’S MESSAGE
February 2018

We welcome all of you to our February meeting which is our Continuing Education Night. This month’s speaker is Dr. Erik Mueller, speaking on the topic “Lessons Learned on the GEnx Engine on Boeing 787’s”. Some of us from our local Liberty Bell Chapter have previously heard Dr. Mueller speak at ASM’s national conferences and have enjoyed hearing him as a speaker there so if you have never had the chance to hear him speak, we hope that you will be able to attend our meeting to do so.

In recognition of Continuing Education Night this month, please remember to check out our ASM national website www.asminternational.org and select the “Education” tab to see a wide variety of ASM offerings in continued education such as on-site and on-line courses, on-line databases and journals, and certificate programs. In particular, too, for this month of February, please note a very important change also occurring on our main website as stated below:

“The much anticipated replacement of ASM’s membership management system is almost here! As part of this change, beginning February 19, 2018, we are making significant changes to the login process. To ensure that you are able to access your membership benefits after the transition, please go to https://www.asminternational.org/login for instructions on how to update your profile to the new login process. Please take action before February 14, 2018!”

Our local Liberty Bell chapter’s MEI course, “Metallurgy for the Non-Metallurgist” continues to meet weekly on Tuesday evenings through March. It began on December 5th at Laboratory Testing in Hatfield and although we are halfway through it, we are still in immediate need for some instructors for each of the following classes occurring over the next two weeks: “Case Hardening of Steel” (February 13th) and “Nonferrous Metals” (February 20th). If you should have interest in sharing your expertise and skills for either of these classes, please let us know ASAP. And again, thank you to all of our instructors who have volunteered to teach the other classes. Your help is greatly appreciated.

We also currently continue to have some open committee positions on our Executive Committee needing to be filled. Also as an ongoing reminder, please note that effective this 2017-2018 season, our Chapter is now offering to all our members who are also licensed professional engineers (P.E.s) continuing education credits for attending our monthly meetings. PDH forms will now be available at the sign-up table at each meeting. One PDH (Professional Development Hour) will be given as credit for each meeting attended. If you attended any of this season’s previous meetings, please be sure to pick up a form and we will confirm and credit your prior attendance at these meetings.

Thank you,
Alicia Gaydos
Chairperson, 2017-2018

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ASM LIBERTY BELL CHAPTER SCHOLARSHIPS

In the academic year of 2018-2019, 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. (e-mail: normanmarc2@aol.com) for the application form and details. The deadline for application is March 1, 2018.

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 Section 3(a), 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.


Type or print neatly in black or blue ink:

1. (circle one) Miss Mrs. Ms. Mr. Name: _______________________________________________________________________________________
   Home Address: _____________________________________________________________________________________________________
   City/State/Zip Code: ____________________________ Home Phone Number: ____________________________
   Parent an ASM - Philadelphia Chapter Member? Yes ____ No_____ If “Yes”, Name: __________________________________________________________________________

2. College or University: ____________________________________________________________________________________________________
   Campus Address: _________________________________________________________________________________________________________
   City/State/Zip Code: ____________________________ Campus Phone Number: ____________________________
   Expected Graduation Date and Degree: ______________________________________________________________________________________
   Major (including option, if applicable): _____________________________________________________________________________________

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

4. Employment experience (describe in 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 should be included in the application whether or not it was applicable under employment experience.

6. Name: ___________________________________________________________________________ Date: __________________________

7. Deadline: Applications must be received by March 1, 2018. 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
Directions to Joseph Ambler Inn:

From the PA Turnpike (East - West)
Exit at Fort Washington (Exit #339) and follow Rte. 309 North to Stump Road (traffic light — Acura Dealer). Turn Right onto Stump Road, turn Left onto Horsham Road (traffic light) and Right into our driveway.

From PA Turnpike/NE Extension (Rte 476) — Lansdale Exit(#31)
Turn Left from the exit ramp onto Sumneytown pike, follow about 5 miles & turn left onto US-202 North. Turn Right onto Horsham Road and Left into our driveway.

From Center City, Philadelphia, the Main Line and City Line Ave
Take the Schuylkill Expressway West (I-76) to I-476 North to the PA Turnpike East. Go EAST and exit at Fort Washington (Exit #339). Follow Rte. 309 North to Stump Road (traffic light — Acura Dealer). Turn Right onto Stump Road, turn Left onto Horsham Road (traffic light) and Right into our driveway.