Sauveur Award Night
Thursday, January 18, 2018

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.

Meeting Sponsors:
Laboratory Testing, Inc. and LTK Engineering Services

Speaker: Michael L. Marucci
Vice President, Commercial & Strategy
GKN Hoeganaes, Cinnaminson, NJ

Topic: Opportunities and Challenges for Metal Additive Manufacturing

In the past several years, metal additive manufacturing has evolved from several laboratory scale 3D printing technologies into a rapidly growing production technology for components used in aircraft, medical devices, and other highly engineered products. This talk outlines several different metal additive manufacturing forming techniques that are now being commercialized linked to the specific metal alloys and end applications where their use is most appropriate. The talk will outline type of applications that are most suitable for metal additive manufacturing, metallurgical process considerations, and challenges that industry is now working to solve to enable further growth.

Technical Chairperson: Gernant Maurer,
Retired: Special Metals Corp & Carpenter Technology

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

This Month’s E-Newsletter is Sponsored by:

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.

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Michael L. Marucci
Michael L. Marucci obtained his B.A. in Materials Engineering and M.S. in Engineering Management from Drexel University where he was first introduced to powder metallurgy technology through cooperative education at Hoeganaes Corporation and undergraduate research supervised by Professor Alan Lawley. After graduation, Michael joined Hoeganaes Corporation as part of the R&D group where he collaborated to help commercialize powder metallurgy steel compositions. Michael then spent five years leading the quality assurance function at Hoeganaes before rejoining the R&D team. He was appointed to the Hoeganaes executive committee in 2009, responsible for product and new process development. In 2015, Michael was appointed to be responsible for advanced technology at GKN Powder Metallurgy, that includes both the Global metal powder (Hoeganaes Corporation) and powder metal parts (GKN Sinter Metals) businesses. In this role he worked with the teams in Germany and the USA to deploy new products and technologies for metal additive manufacturing, vehicle light-weighting, and powder metallurgy solutions for hybrid-electric vehicles. In late 2017, Michael took on his current focused on business development of high technology powders for advanced manufacturing.

Michael has authored or co-authored more than 30 conference papers and served as a section editor for the 2015 update to ASM Handbook Volume 7 – Powder Metallurgy. He currently serves as the president of the Association for Metal Additive Manufacturing (AMAM) and as a member of the MPIF Technology Board. Michael also currently serves as chairman of Drexel’s Materials Science & Engineering external advisory board and, in 2013, Michael was appointed into the inaugural class of GKN Engineering Fellows.

MICHAEL L. MARUCCI

This Month’s E-Newsletter is Sponsored by:
Welcome 2018! ASM’s Liberty Bell Chapter of Philadelphia continues its program into the new year with many special events planned for all of you. This month, we welcome our guest speaker Michael L. Marucci, Vice President, Commercial & Strategy of GKN (Hoeganaes) Powder Metallurgy, Cinnaminson, NJ. He is also the recipient of the Albert Sauveur Achievement Award. Per the ASM national website, this award was established in 1934 and acknowledges achievements which have advanced our knowledge in the materials science and metallurgical fields.

We are now in the middle of our MEI course, “Metallurgy for the Non-Metallurgist” which meets weekly on Tuesday evenings through March. It began on December 5th at Laboratory Testing in Hatfield and we are still in need of some instructors for the following classes: “Case Hardening of Steel” (February 13th), “Nonferrous Metals” (February 20th), and “Materials Characterization and the Selection Process” (March 13th). If you should have interest in sharing your expertise and skills for any of these classes, please let us know. And thank you to all of our instructors who have volunteered to teach the other classes. Your help is greatly appreciated.

We also currently have some open committee positions on our Executive Committee needing to be filled. And again as a 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 the September, October, and/or November meetings, please be sure to pick up a form and we will confirm and credit your prior attendance at these meetings.

Alicia A. Gaydos
Chairperson, 2017-2018

Welcome New Members!

Chris Bixler - Metlab
Chris Schade - GKN/Hoeganaes
Craig W. Skinner - Robert Wooler Co.
Douglass Bryant - Naval Surface Warfare Center
Roger Doherty - Retired – Drexel Prof

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Cell: 440-570-4381
PHILLY MATERIALS SCIENCE AND ENGINEERING DAY 2018

WHERE: Drexel University Bossone Research Enterprise Center, 3126 Market Street

COST: FREE
WHEN: Saturday, February 3, 2018
TIME: 10 am to 3 pm

FOR MORE INFORMATION:  www.phillymaterials.org

Almost everything around you - the clothes you wear, the dishes you eat from, the computer you use, the bike you ride or the car you drive - is made of stuff. Materials science and engineering is the study of stuff: what it’s made of, how it works, and what we can do with it.

Philly Materials Science and Engineering Day provides the public with a chance to participate in hands-on science and engineering activities that explore some of the stuff the world is made of and to learn about how materials impact us every day.

Partner organizations include the University of Pennsylvania, the Academy of Natural Sciences, and the Franklin Institute, among others.

For more information, please visit www.phillymaterials.org. From there you can RSVP to the event on Facebook or follow on Twitter.

Doriliona Rose, MS, Operations Manager
Department of Science and Engineering, College of Engineering
Drexel University, Lebow 335, 3141 Chestnut Street, Philadelphia PA 19104

Richard Knight, PhD., MIET, C.Eng., FASM, Fellow AMu
Teaching Professor. Associate Department Head and Undergraduate Advisor, Department of Science and Engineering College of Engineering, Drexel University, 3141 Chestnut Street
Tel: 215-895-1844 Fax: 215-895-6760 www.materials.drexel.edu

“And the Men who hold high places, must be the ones who start...”

Philly Materials Day 2017 sponsors GKN Powder Metallurgy and Arkema engage participants in hands-on demonstrations.
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.

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.

1005 Horsham Road, North Wales, PA 19454
Phone: 215-362-7500

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http://philadelphia.asminternational.org

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