**SPEAKER:**
WILLIAM WULFSON
President & CEO, Carpenter Technology

**TOPIC:**
The History of Carpenter Technology & Intro to Most Advanced Specialty Metals Manufacturing Facility

Carpenter Technology Corporation’s President & CEO, William A. Wulfsohn, will take a brief look at the history of the Reading-based company that is celebrating its 125th anniversary this year. Mr. Wulfsohn will also introduce the group to what Carpenter refers to as “The World’s Most Advanced Specialty Metal Manufacturing Facility” located in Athens, Alabama. Athens Operations is home to the world’s largest hydraulic radial press and opened its doors for business in January. Athens is part of Carpenter’s one-mill operating system within the Specialty Alloys Operations (SAO) division. The Company’s Performance Engineered Products (PEP) division will also be explained. Mr. Wulfsohn will discuss the primary markets Carpenter serves, its strategy over the next several years, and Research & Development capabilities.

As President & CEO, William Wulfsohn brings more than 25 years of industrial and manufacturing experience to his stewardship of Carpenter Technology Corporation.

Throughout his career, Bill has been a leader at companies known for innovative technology and best-in-class processes. He comes to Carpenter after serving as Senior Vice President, Industrial Coatings Segment, and previously European Managing Director, for PPG Industries, a FORTUNE 200 company with more than $12 billion in annual revenues.

Prior to PPG, Bill served as Vice President and General Manager for Honeywell’s Nylon System unit. He previously worked for a decade at Morton International/Rohm & Haas, beginning as a Director of Marketing and culminating as Vice President, Officer and Business Director. He began his career with stints at McKinsey & Company and Parker Chemical.

Bill earned a Chemical Engineering degree from University of Michigan and received a Master of Business Administration from Harvard University.

In addition to serving on Carpenter’s Board of Directors prior to being named President & CEO, he also serves as a PolyOne board member.

**Technical Chairperson:** Bob Rich, ASNT

**Meeting Sponsors:** Craig Clauser Engineering Consulting Inc. and Rex Heat Treat
Chairperson's Message
September, 2014

Hi Everyone!

It's the start of another great year for the Liberty Bell Chapter of ASM! I am honored to be Chair for 2014-2015, and humbled by the support of Executive Team members, Outgoing Chair - Brian Gorney, Treasurer- Mike Moyer, Secretary- Jamie Jones, with special appreciation to Don Jordan-Executive Secretary and Ed Mazeika- Executive Treasurer. Also, many thanks for the sage wisdom and guidance from John Janiszewski, Trevor Jones, Sarah Mansuetti, Terry & Ed Mazeika, Ken Moyer, Bob Rich, Al Singmaster, Tim Steber, and Jim Watters. On behalf of all, I would also like express sincere gratitude to our Sustaining Members, without whose continuing support, we could not flourish.

It is very gratifying to see the new faces joining our operating committees. My hope for this year is to reach out to young members and encourage their participation on our Operating Committees and chapter meetings. Their new and enthusiastic perspectives will enrich our chapter for years to come. Why not make it a point to bring a friend or coworker to a meeting? Or, volunteer to help out on a committee; advertise in our Yearbook and Newsletter.

Our Materials Camp continues to attract the best and brightest from high schools across the Delaware Valley, and the country! Special thanks to John Ely for stepping in to help fill the amazing shoes of Tom Reid, and those who volunteer to review the applications. With Drexel University, Department of Materials Science & Engineering, (and Dr. Knight and his gifted students!) as the facilitator and Boeing Rotorcraft providing that remarkable plant tour; everyone comes away truly inspired. And, as always, thanks to Dave von Rohr for his continued personal support of Materials Camp.

We have high hopes for starting our first Teachers Camp in a year or so, and are off to an exceedingly marvelous start!

Our 2014-2015 Program is shaping up to be an excellent one. In addition to some impressive speakers at our monthly Chapter meetings, Young Members Night at Williamson Free School of Mechanical Trades is always spirited and well-attended, plus we anticipate several materials related tours for your Professional Development.

Coming from a non-materials background, I was accustomed to joining societies that never really got together, preferred not to network, and just sent you a bill every year for dues. It was such a pleasure to join Liberty Bell and actually get to meet all of you, and call many of you my friends! I look forward to a year of opportunity.

In closing, I'd like to leave you with one of my favorite quotes as an inspiration for the year ahead.

"We make a living by what we get, we make a life by what we give." Winston Churchill

Sincerely,
Jerri Jefferies
2014-2015 Chapter Chairperson
**Materials Camp 2014**

This was a milestone year for Materials Camp®, being the tenth year of collaboration between Drexel University and the ASM Liberty Bell Chapter. Drexel again hosted 28 students from June 23 through June 27. The number of applicants for 2014 was virtually flat compared to last year. The caliber of the applicants, however, continues to improve with each passing year - a triumph of quality over quantity.

The faculty and graduate students from Drexel’s Department of Materials Science and Engineering navigated the class through an exciting combination of classroom and hands-on laboratory sessions and demonstrations. They experienced all phases (pun intentional) of Materials Science and Engineering and put into practice the acquired knowledge in a team activity - the design and construction of a small composite beam. The project’s goal was to achieve the highest strength to weight ratio. This year’s winning ratio was 7.4 kg/g.

At mid-week Boeing’s Materials Engineering Group conducted tours of their materials department, which exposed the class to real-life materials testing and failure analysis in the Materials Lab, and of the CH-47 Chinook helicopter assembly line. After the tours, our friends from Boeing conducted several classes at Drexel University.

Materials Camp® provides us with the opportunity to expose eager young minds to the field of Materials Science and Engineering. By the end of the week many of the class expressed interest in pursuing careers in the field. Even the two well-meaning but misguided souls who said they still wanted to be civil engineers benefited from the experience, having gained an appreciation of the importance of the materials scientist and engineer.

*We gratefully acknowledge and thank Drexel University, Department of Materials Science & Engineering and Boeing Rotorcraft for making available their facilities and staff.*

The following companies provided the financial donations which enabled us to conduct this very beneficial program. Without their generosity, Materials Camp would not be possible.

- Boeing Rotorcraft
- Penn Stainless Products, Inc.
- Johnson Matthey Engineered Arresting Systems
- Materials Research & Design, Inc.
- Laboratory Testing Inc.
- Mr. Dave Von Rohr

We have started the planning process for the 2015 Materials Camp®. Anyone interested in donating or attending contact Brian Gorney at gorneybj@gmail.com or obtain additional information from our web site: [www.philadelphia.asminternational.org](http://www.philadelphia.asminternational.org)
Awards Announced at May 2014 Meeting

The following awards were announced at the May meeting:

Delaware Valley Materials Person of the Year . . . . . . . . . Dr. Yury Gogotsi
Adolph Schaefer Special Achievement Award . . . . . . . . . Tom Reid
Meritorious Service Award . . . . . . . . . . . . . . . . . . . . . . . Don Jordan
Outstanding Company Support Award . . . . . . . . . . . . . . Rex Heat Treat
Philadelphia Chapter Distinguished Service Award . . . . . Brian Gorney
President's Award . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . John Ely
Young Member Award . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Frank Rapine
Materials Engineering Assistant's Award . . . . . . . . . . . . . Aaron Moyer

The following two awards will be presented in 2014-15:

William Hunt Eisenman Award . . . . . . . . . . . . . . . . . . Dr. Donald R. Muzyka
Albert Sauveur Lecture Award . . . . . . . . . . . . . . . . . . Prof. Linda Schadler

Welcome New Members

Dmitri A. Bohn    General Sciences Inc.    Alex Jennison
Fei Ren          Temple University        Thomas McKeown    Metlab Inc.
Matthew Vulpio   Carolina Valerio
Alicia Gaydos

Check us out on Linked-In at: http://www.linkedin.com/groups?mostPopular=&gid=2897863
Check out our website at: http://philadelphia.asminternational.org
A Special Thank You to our 2014-2015 yearbook advertisers this year. We appreciate your continued support and for helping keep this chapter strong even through this past year.

Allied High Tech Products  LECO Corp.
ArcelorMittal Stainless & Nickel Alloys  Metlab Corporation
Atlantic Heat Treat  Micron Inc.
Bennett Heat Treating & Brazing Co., Inc.  Penn Stainless Products
Buehler Ltd.  Pressure Technology Inc.
Consarc  RAD Engineering Corp.
Craig Clauser Engineering Consulting Inc.  Rex Heat Treat
Donovan Heat Treating Co., Inc.  Robert Wooler Company
Electron Energy Corp.  S-Bond Technologies LLC
Element Materials Technology  Alan L. Singmaster Personnel Services
Ely Consulting Services LLC  Solar Atmospheres Inc.
Engineered Arresting/Zodiac  Solar Manufacturing Inc.
Evans Heat Treating Co.  Struers Inc.
Excel Technologies Inc./Extec  Superior Tube Inc.
Forensic Sciences, Inc.  Tinius Olsen Testing Machines Co., Inc.
Inductotherm Corporation  University of Pennsylvania
Ipsen Inc.  Villanova University, Mechanical Eng. Dept.
L & L Special Furnace Co. Inc.  Westmoreland Mechanical Testing Machine
Laboratory Testing Inc.  Williamson Restaurant

For more info about the ASM Liberty Bell Chapter...
Contact Chapter Chairperson Jerri Jefferies at 215-364-2266 or email jerri.jefferies@struers.com

To ensure you receive your E-newsletter and yearbook:
Please update your membership listing or your company affiliation listing. You can do this by calling Membership Service, ASM International at 1-800-336-5152 or using the ASMI website at www.asminternational.org. This will permanently update your information. We depend on ASM International to receive our updated Chapter roster.

Upcoming Events...
9-18-14 Thursday Opening Night - Topic: History of Carpenter Technology & Intro to Advanced Specialty Metals Mfg., Williamson Banquet, Willow Grove, PA
10-16-14 Thursday Eisenman Award Night - Topic: Personal Observations on ASM Foundation’s Materials Camp Program, Williamson Banquet, Willow Grove, PA
11-20-14 Thursday Young Members Night - Topic: To be announced

Mission Statement -
ASM International, Philadelphia ”Liberty Bell” Chapter

The Philadelphia “Liberty Bell” Chapter of ASM International supports the development and continuance of the materials industry in the Philadelphia area. Chapter activities strive to inform the local technical community of new developments in materials, raise the visibility of the materials industry, provide educational opportunities in materials technology, recruit new people and organizations into materials-related activities, and provide networking opportunities for members of the materials community. The Chapter works with ASM International to use our joint resources to accomplish this mission.

This Month's E-Newsletter Sponsored by:

MetLab Corporation
FREE SHIPPING & 10% OFF
Call 1-800-828-6866 for more information

For all your metallographic needs since 1968
www.metlabcorp.com 1-800-828-6866