

Newsletter, 2019, Vol. 2Incoming Chair's Message

It is with much enthusiasm that I write to you to introduce myself as the Incoming Chairman of the Cleveland Chapter of ASM International. I come prepared to lead, learn and network our members.

The Cleveland Chapter recently won a \$500 Award in the category of Innovative Programming for 2018-2019 from ASM International. This year's programming is taking shape and the calendar with dates and times will be arriving soon.

We are starting off the season with a Golf Tournament on Friday the 13th of September. After that we will be touring a 3D additive manufacturing plant, learning the differences in the different types of nitriding, hosting a holiday gathering, learning what materials are used to brew beer, we'll judge a poster at student night, and much more.

As a seasoned networker, I am asking you to please come to the meetings, get involved, mentor our younger generations, share your intellect and try to give business to other members. Bring a colleague and we will pay for their dinner. That is what this organization is all about.

My contact information follows. I welcome your calls, emails and texts. Ideas, suggestions and constructive criticism is always encouraged. I hope many of you invite me to visit your facility. I have helped companies hunt for new business for 30+ years. I'm hoping my time at the helm will bring many opportunities to you and your company

Best regards,
Rosanne Brunello
President/Mountain Rep
Manufacturers Representative
Chair/ASM International (Cleveland Chapter)
Board Member/CSU Fenn Academy
MANA Wisdom Council
<http://www.mtnrep.net>

Chapter Sponsors

Special thanks to the following chapter sponsors, whose financial support helps the chapter to put on monthly technical programming, give out scholarships, and serve the interest of our members.

Contact us to become a Chapter Sponsor and help us increase the level of student support, educational opportunities, and outreach we provide to our members and community.



Outgoing Chair's Message

As outgoing chair for the 2018-19 chapter year, I am able to look back and say that it has been a busy and productive year. The chapter executive team worked hard to bring members and friends an exciting and informative year of programming and activities.

This year was particularly noteworthy with the 100th year anniversary of the chapter. It was a very well attended event that was held at the Cleveland Museum of Natural History. Over a year of preparation went into the event, and the success of the night was a fitting tribute to the heritage of the chapter. Over the years, the chapter, and the society as a whole, have gone through many changes with the times. I look forward to the future and the opportunities that come.

With the end of summer comes the next round of chapter officers. I warmly welcome Rosanne Brunello to the chapter chairpersonship. Her energy and enthusiasm will go a long way to leading the chapter.

As for me, I will continue to actively participate in the chapter, with my next role as webmaster.

Please continue reading for a summary of the most recent chapter events.

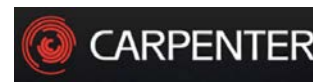
Best regards,

Ryan Paul, Ph.D., P.E.



Ryan Paul passing the chapter bell to Rosanne Brunello.

Cleveland Chapter Sustaining Members



March 26, 2019

The special guest of the night was Roger Jones, CEO Emeritus of Solar Atmospheres, and ASM Trustee. He gave a talk on "Vacuum Heat Treating of Additive Manufactured Components".

It was also Awards Night for the chapter. Special congratulations are given to the following recipients of chapter awards. The awards recognize the contributions of members, and their dedication is greatly appreciated.

Chapter President's Award

Joe Snyder. In recognition of assistance, dedication, and guidance.

Chapter Technical Educator Award

Sunniva Collins. In recognition of sustained excellence in promoting Materials Science and Engineering and dedicated and creative teaching.

Chapter Outstanding Company Support

BWXT. In recognition of years of dedicated cooperation and support of the Chapter.

Chapter Award of Distinction

David Kovarik. In recognition of an outstanding career in science and engineering, enthusiastic dedication to the Chapter, and leadership and advancement of the profession.

Chapter Young Member Award

Matt Gaydos. In recognition of leadership and support of the Chapter and activities.

Chapter Distinguished Service Award

David Johnson. In recognition of excellence and service to the Chapter and its members, and leadership and advancement of the profession

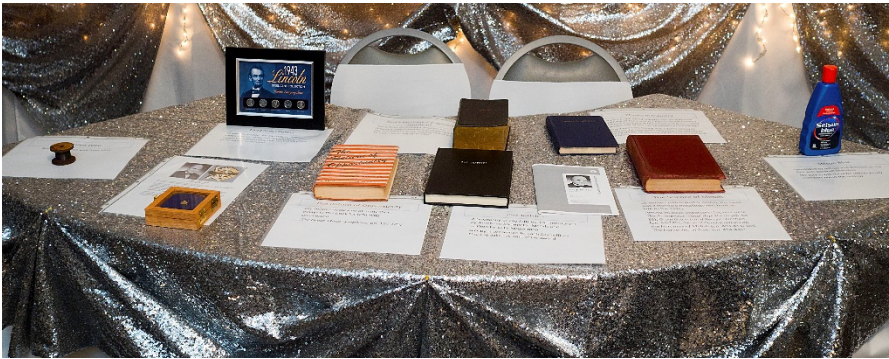
In addition to the above chapter awards, the Science Fair Committee presented awards to outstanding materials science themed projects from the Northeastern Ohio Science and Engineering Fair (NEOSEF) that was held in March 2019 at Cleveland State University. A total of seven awards were given, totaling \$1,000. One 1st place prize was given, along with three 2nd place prizes and three 3rd place prizes. Over 40 projects were judged and the winners represent the best of the best. The winning students and their projects were truly impressive.



April 22, 2019

Zay Jeffries Night is always a highlight of the year, and 2019 was no exception. Professor John H. Perepezko was the honoree for 2019, and he delivered a talk on “High Temperature Mo-Si-B Alloys: Phase Stability and Environmental Resistance”.

Professor Perepezko is the IBM-Bascom Professor of Materials Science and Engineering at the University of Wisconsin-Madison. His honors and awards include the ASM Bradley Stoughton Award, Fellow of ASM , AGARD Visiting Lectureship, the Alexander von Humboldt Stiftung Forschungspreise, the TMS Bruce Chalmers Award, TMS Fellow, National Academy of Engineering, JSPS Fellow, TMS W. Hume-Rothery Award, MRS Fellow, Adjunct Professor –Tohoku University, Sendai, Japan and the Tokyo Institute of Technology and the Helmholtz Gemeinschaft International Fellow Award. He has served on several National Research Council committees and advisory panels for NASA, DOD and DOE. He is on the Editorial Board of International Journal of Powder Metallurgy and Intermetallics. His research interests include transformation behavior and microstructure/property relationships during materials processing, intermetallic alloys, coatings, phase stability, modeling and materials design. He has authored or co-authored over 400 publications and holds 15 patents.



May 18, 2019

The year 2019 is the 100th anniversary of the chapter. A celebration was held at the Cleveland Museum of Natural History. Co-chairs Diana Essock and Dave Kovarik worked with a dedicated team of volunteers (too many to list here) to make the event a success. The night will be one to remember.

There were close to 175 attendees at the celebration, and the entire museum was open to the chapter during the night. Live music was provided by the Cleveland Jazz Orchestra. ASM International Past President Fred Schmidt gave some remarks. A representative from the City of Cleveland was present. There was a talk on the industrial history of Cleveland from Ed Pershey.

The 100th celebration was made possible by a number of sponsors. The chapter is grateful to many ASM Fellows for making donations. Also, a number of chapter members and guests made donations.

The chapter also acknowledges the following companies for making important donations to the night:
Messer, Kowalski Heat Treating Company, General Metal Heat Treating, Materion, Tensile Testing Metallurgical Laboratory, Struers, Buehler, PentaMet, BWXT , DANTE, HTG, Preformed Line Products, PCC Airfoils, NSL, nel hydrogen, MTS, Metlab, Allied High Tech Products.



ASM Materials Camp for Teachers

The Cleveland Chapter worked with the ASM Foundation to put on another camp during summer 2019. A new format was being trialed, where the camp was split into two years. There were 15 in attendance for the first year of the camp and 5 in attendance for the second year that began in 2018. All teachers were happy to receive corrosion kits, torches, and glass the conductor apparatus.

CWRU Harvest Farm Festival

On September 14, 2019, Dr. Ivan Locci and Professor Gerhard Welch attended the CWRU Harvest Farm Festival. They were present with the materials show & tell collection that has made the rounds for many years. Over 1200 students and other university members attended the event.

September 13, 2019 Golf Outing Kick-Off

The chapter kicked-off the 2019-2020 programming year with a golf outing at the Briarwood Golf Club in Broadview Heights. Special thanks to Rosanne Brunello for single-handedly organizing and leading the event. Over \$1,300 was raised for scholarships and student affairs. The attendees of this successful event are shown below.

Cleveland Chapter Officers for 2019-2020

Chapter Chairperson – Rosanne Brunello

Chapter Vice Chair – Dave Kovarik

Chapter Treasurer – Joe Snyder

Chapter Secretary – John Pickens

Email – ASMClevelandChapter@gmail.com



Professor Gerhard Welch and Dr. Ivan Locci (Alumni) Materials presentation.





2019-2020 Chapter Program

CHAPTER: **Cleveland**

Date	Topic	Speaker	Location
Sept 13 Rosanne Brunello	Golf Tournament		
Oct 21 Rosanne Brunello	Plasma and Gas Nitriding Heat Treaters' Night	Andreas Gebeshuber, Rubig	Toscana - \$30
Nov 4	3-D Printing Tour (plastics/carbon)	Greg Cebular, Technology House	On location in Streetsboro - \$15 (sandwiches)
Jan 14 Juli Bencivengo	Beer Technology	Bob	Fathead's, Engle Road - \$35 (meal and tour)
Feb 3 John Shields	Refractory Metals and AM Sustaining Members Night	Mike Stawovy, Starck	Toscana - \$30
Feb 15 Bob Vignuelle	Theater Night	"Clue" +Dinner	Hofbrau Haus. \$70 Allen Theater
March 18 John Pickens	Metallography Student Night	George Vander Voort, Struers	CWRU – location TBD
April 13 Dave Ellis	TBD Zay Jeffries Night	John Shields, Pentamet	CWRU Linsalata Alumni Center
April 29 Lynn Ferguson	Symposium Computer Modeling	Multiple speakers	Crowne Plaza, Airport \$100
May 12	Awards Night History of Arsenic	Michael Fricke Chemist, Olon Ricerca	ASM Dome
June TBD	ExCom Meeting to close out year		