

**Chapter Newsletter, 2020, Vol. 1**Incoming Chair's Message

Hello Cleveland Chapter Members!

I am honored to be your incoming Chapter chair. John, Joe, Nic, and I will do the best we can to serve the members of the Cleveland Chapter.

This year will of course be nothing like years' past. We are hoping that RingCentral (purchased by ASM HQ for the Chapters) will allow us to present speakers virtually to you if we cannot meet face-to-face. We will be following the governor's recommendations for gatherings as they evolve.

John and the rest of the officers will be working on the schedule for the year soon, so if anyone has a recommendation for a speaker, we'd be glad to hear from you.

We welcome Nic Willis to both the Executive Committee and to the role of Secretary, and also Juli Chiara to the ExComm. We would love to have you join the ExComm if you would like to help shape what the Chapter does. Please let one of the officers know if this is something you'd like to do.

Thank you to everyone for all your help, and here's to a good year!

Dave Kovarik

**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 the 2019-2020 season comes to an end, I am saddened by the state of affairs. We are in the middle of a Global Pandemic due to Covid-19 Coronavirus. Who would have thought that our meetings and events would be post-poned if not cancelled? The Cleveland Chapter won an award for Exceptional Programs and Events for 2019. Those events included a 100th Anniversary Dinner, a night out at the theatre, Zay Jefferies Night, and many technical discussions. This years' programming included a Golf Tournament, Heat Treaters Night, Sustaining Members Night, a Valentines Theatre Social and a night learning what materials are used to brew beer at a tour of Fatheads Brewery.

As the gavel is being passed to Dave Kovarik of NSL, my wish is that things get back to some kind of normal. My aim is to continue to bring younger engineers and metallurgists into our society and I look forward to IMAT, ASM's new annual symposium and exhibition to be held here in Cleveland in September 2020.

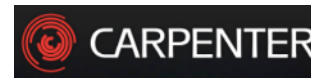
Thank you for letting me serve you ASM International, Cleveland Chapter.

Best regards,  
  
Rosanne Brunello



Cleveland Chapter wins Programming Award from ASM International.

Cleveland Chapter Sustaining Members





**October 21, 2019**

Heat Treaters' Night 2019 was a success. Special guest speaker was Andreas Gebeshuber from Rubig. The topic was "Practical and Ecological Comparison of Plasma as Gas Nitriding Technology for Users".

While in the United States for his talk, Andreas also toured the area with some local chapter guests.

A metallurgical sample table from NASA was also present at the meeting, and attracted a lot of attention!



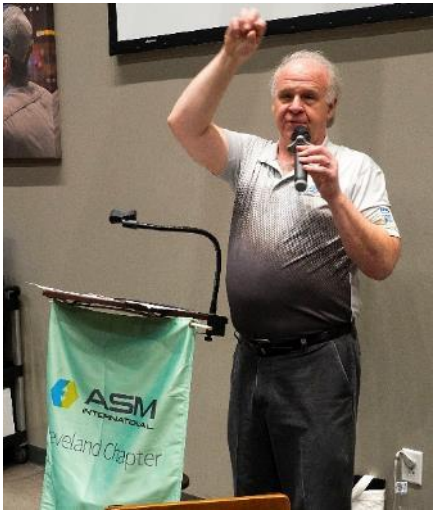


January 14, 2020

The new year kicked off with a tour of the new Fathead's Brewery on Engle Road.

The meeting was also a joint one between ASM Cleveland and ASQ Cleveland.

Instead of a materials-themed talk to keep warm, the attendees were treated to a talk and tour on "Beer Technology at Fathead".



**February 10, 2020**

Special guest speaker Mike Stawovy, PhD, of H.C. Starck Solutions gave a fascinating talk on “Refractory Metals and Additive Manufacturing”

Mike is currently the Market Director for Additive Manufacturing and Powders with H.C. Starck Solutions located in Euclid, Ohio.





**June 01, 2020**

This event was Awards Night and also the Chapter's first Ring Central online meeting. It went very well!

Special guest Michael Fricke, PhD, gave a remarkable talk on the History of Arsenic. Dr Fricke is the current chair of the Akron Section of the American Chemical Society and a chemist at Olon Ricera.

The following chapter awards were also presented.

Award of Distinction

Stephen G. Kowalski

Distinguished Service Award

Ivan E. Locci, Ph.D., FASM

Outstanding Company Support Award

DANTE Solutions, Inc.

President's Award

David P. Kovarik

Young Member Award

Nicolas Willis

The Cleveland Chapter led an international effort by choosing Pergentina Deatherage of ASMI HQ to receive our 2020 Technical Educator Award. The award was presented May 9th during annual master teacher training because in that meeting she would be surrounded (on line this year) by many of the teachers she has interacted with over the years. The award reads:

**CHAPTER TECHNICAL EDUCATOR AWARD 2020**

Presented to Pergentina L. Deatherage

In recognition of many years of unstinting service to students, teachers and the ASM International Foundation. The myriad details of Teacher Camps, Student Camps, Teacher Grants, and Materials Scholarships have been handled so well.

We look forward to many more years of gracious Foundation success with Jeane, our treasured Program Coordinator.

Rosanne Brunello, Chair, Cleveland Chapter, ASM International

The award is accompanied by a scroll of congratulatory comments extending for 40 pages.

In related news the ASM International Foundation will carry on with Teacher Camps this year, delivered live and with interaction online. The plan is to reach 650 teachers in a somewhat modified presentation introducing materials science. Attending teachers will each receive a materials kit in advance and will perform the less dangerous experiments in their homes. To facilitate interaction each online "camp" will be limited to 30 participants. The first camp will be taught by Cleveland Chapter member Tom Glasgow. There are also plans for outreach to replace some of what students will miss as our regular student camps will not be held this year.

CTSC Scholarship Class of 2020

Robert Sunderhaft  
Kenston High School

Thank you ASM for the generous scholarship for college. Thank you also for the amazing experiences I had at ASM at the 2018 Eisenman Materials Camp. I will always remember the incredible experiments, fantastic mentors (thanks Frauke) and amicable students. I plan to attend Ohio State University to study data analytics and computer science.

## 2019-2020 Annual Summary Report

### ASMI Cleveland Chapter

The 2019-2020 term year for the Cleveland Chapter turned out to be far from what was expected. The repercussions stemming from the Covid-19 pandemic resulted in the need to cancel some monthly meetings and eliminate face-to-face social contacts within meetings and for the chapter's officers and executive committee for the remaining few months. Cleveland Chapter's officers and Executive Committee members have been keeping up with necessary planning modifications and management of events by weekly video conference meetings. The last monthly chapter meeting held was in February, prior to the state and federal mandates to lock-down and limit meetings and gatherings with only essential business taking place for the most part.

The scheduled program of events proceeded as planned through February but subsequently suffered complete disruption by the Covid-19 pandemic crisis. Student's Night in March and Zay Jeffries Night in April, both scheduled to take place at Case Western Reserve University facilities, were cancelled. The May meeting, Awards Night which was to have been at "The Dome", ASMI Headquarters, has been postponed until June 1 and was an online event conducted as a video conference rather than our normal in-person event. The online event was held using "Ring Central". ASMI Headquarters has purchased the rights for themselves and all ASMI Chapters to use Ring Central for conducting meetings and communications to facilitate avoiding face-to-face contact in accord with government guidelines.

Regarding the Student's Night event, we wish to thank both Mager Scientific and Allied Technical Products for the financial support and continued help they volunteered for that meeting.

The chapter organized two social events for the 2019-2020 term. The Cleveland Chapter Golf Outing, organized by our Chairman Rosanne Brunello, was held at Briarwood Golf Club on September 13. Our February 15 Theater Night event, once again organized by Bob Vignuelle, took place at Hofbrau House & Allen Theater. Both of these events were well-attended and each turned out to be major successes and money-makers for our Chapter. Our thanks are extended to both Rosanne and Bob for their excellent planning, organizing and management of these two events

Cleveland Chapter's Educational Symposium, usually in May, has also been postponed until Friday September 18, following ASMI's new IMAT Conference which will be Monday through Thursday that same week. We anticipate this scheduling may bring other attendees from around the country to stay for our symposium. Details for registration will be forthcoming shortly. PDH continuing education credit will be issued for those who request it. A superb symposium has been organized by Dr. Lynn Ferguson and his colleagues at Dante Solutions. The topic and description for the symposium follows:

#### Modeling Thermal Manufacturing Processes

*Modeling has matured from being a research tool to a production tool for processing of metal components. The presentations in this symposium will discuss applications of analytical modeling of a variety of thermally driven processes that demonstrate current uses of modeling for process design, understanding and improvement. In addition, the modeling methods for spanning metallurgical length scale and future directions of modeling, and the data needs for process modeling will be addressed.*

We were able to do only five of our eight monthly Chapter Technical Meetings this year in the usual manner. Additionally we held two joint meetings this year: the December Holiday Meeting event with Cleveland Technical Society Council and our January Brewing Technology & Tour meeting at Fat Heads Brewery was held in partnership with American Society for Quality, ASQ.

Our appreciation is also expressed to our past Chairman, Dr. Ryan Paul, for his continued guidance & assistance plus his work on the newsletter, communications, and chapter web site.

The Cleveland Chapter faced the loss of one of our dearest colleagues and a Fellow of ASM in December: Dr. John Shields of Pentamet, one of the foremost experts in refractory metals. Dr Shields was to have been the presenter for this year's Zay Jeffries Night, an honor for him and for our chapter as well. We miss him greatly, and wish the best for his wife, Pat, and their family.

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**2019-2020 Annual Summary Report**  
**ASMI Cleveland Chapter**

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A summary of other topics related to the chapter over this past year follows:

**Sustaining Members & Sponsors:** We have sought to bring our sustaining membership log up to date and grow it. Pursuing growth in company Sponsorships for the Cleveland Chapter will be the next phase of our promotions.

The chapter purchased its own podium and mobile sound system to facilitate presentations at Toscana Party Center and other venues in which meetings might require them.

The Executive Committee decided to place a moratorium for the current year on sponsoring Teachers Camp due to lack of sufficient funding. We are evaluating alternatives to assist in funding and renewal of Teachers Camp, including partnering relationships and seeking government grants. Dave Kovarik and Juli Chiara plan to make this a focus of effort for the coming 2020-2021 term. Dave Kovarik and John King met with STEM coordinators at CWRU in March to discuss coordination of Materials Science student outreach and CWRU students. Since the lock-down, this STEM outreach effort has been suspended for 2020, with activity on hold until it can be safely resumed.

Based on the circumstances related to the Covid-19 lock-down, the High School Science Fair was not held this year. Announcements are to be made subsequently for re-initiating.

Considering to the higher expenses involved, Cleveland Chapter did not sponsor students to attend MS&T this year related to high travel expenses to the Portland, Oregon location.

The Chapter has approved in the budget continued support and funding for one student scholarship within the CTSC.

Respectfully submitted,

John Pickens , PE  
Chapter Secretary

**Cleveland Chapter Officers for 2019-2020**

Chapter Chairperson – Rosanne Brunello

Chapter Vice Chair – Dave Kovarik

Chapter Treasurer – Joe Snyder

Chapter Secretary – John Pickens

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Chapter Chairperson – Dave Kovarik

Chapter Vice Chair – John Pickens

Chapter Treasurer – Joe Snyder

Chapter Secretary – Nic Willis

Email – [ASMClevelandChapter@gmail.com](mailto:ASMClevelandChapter@gmail.com)

