



**Cleveland  
Chapter**

**ASM  
INTERNATIONAL**

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Carpenter Technology Corporation  
Component Repair Technologies Inc.  
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David Ellis  
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Tensile Testing  
Thermo Fisher Scientific  
Universal Metal Products Inc.

# 2021-2022 Annual Cleveland Chapter Summary Report

The 2021-2022 term year for the Cleveland Chapter was a year in which the Executive Committee and officers targeted a two-prong push to expand member involvement in monthly technical meetings: (1) to restore in-person attendance at events in the wake of the covid restrictions of the two prior years, and (2) to develop hybrid meeting capability. This dual-approach allowed the Chapter to exploit the lessons learned from virtual meetings in the previous year to allow more people to participate in the meetings while beginning to have the benefit of the in-person interactions again. To encourage and incentivize the return to in-person attendance at meetings, the officers and Executive Committee agreed to subsidize and reduce the registration fees for regular members, retirees, and students for all the meetings throughout the term year. The online option alone was used for the January and February meetings in consideration of a spike in omicron virus infections coupled with consideration of inclement weather during that period that typically limits attendance during those months. The Cleveland Chapter conducted eight monthly meetings including a Holiday Social event in December, four executive committee meetings, and a Golf Outing fund-raising event. The Chapter actively engaged in incentivizing students to join and become active in ASM by reducing registration fees to only \$5. The February meeting was targeted as our Student Night Event for which students were given free registration plus the incentive of receiving a \$50 Amazon eGift Card from the Chapter as a reward for participating in the event. The 2021-2022 events program is attached in a table at the end of this report for the record.

To begin the 2021-2022 term year, an ASM Cleveland Chapter Newsletter was sent to the members which both summarized the previous term and highlighted some of the events for the upcoming term. This was followed up by an incredibly successful Golf Outing at the Briarwood Golf Course in August. This event was a booming success. Organized by Rosanne Brunello with assistance from Juli Chiara and Frank Skully, the large turnout and the corporate sponsorships of the event led to a significant positive financial event for the Chapter, netting over \$12,000 of profit. The Chapter is also promoting an effort to assist Headquarters and the members of the Chapter in receiving ASM Anniversary pins reflecting their years of membership.

As part of our student outreach, the Chapter had members participating in numerous events. These included the Donaldson-Kiefer Scholarship, The CTSC/ASM Scholarship, NEOSEF science fair competition, STEM Night with the Cleveland Cavaliers, the Chapter STEM Outreach to local high schools, The Girl Scout STEM Event organized by Headquarters, plus Chapter funding for a Teachers Camp scheduled for this summer.

This year's Donaldson-Kiefer scholarship was awarded to Ms. Sylvie Crowell during the Zay Jeffries Night event which was held at Case Western Reserve University's Linsalata Alumni Center. The Chapter's NEOSEF committee, led by Dr. Ryan Paul, assisted in conducting a virtual event due to covid restriction protocol. Both the presentations and judging were done virtually. The excellent

quality of numerous entries in this year's event led to the decision to award a total of seven winners plus nine others receiving Honorable Mention. The ExCom voted to increase the award money to a total of \$1500 to accommodate the additional winners. The award winners for the 2022 NEOSEF science fair follow:

1<sup>st</sup> Place: (\$500)

Dylan Berr, University School

2<sup>nd</sup> Place, four winners (\$200 each)

Grace Chen, Mentor High School

Caroline Spitznagel, Saint Joan of Arc

Omar Elbadowy, Birchwood High School

Alexander Devine, University School

3<sup>rd</sup> Place, two winners (\$100 each)

Jasmine Chen, Birchwood School

Natalie Rieger, Notre Dame-Cathedral Latin

A covid-related capacity limit protocol precluded in-person attendance of the winners and their parents for presentation of these awards during the Chapter Awards Night Event at The Dome. In place of that, \$75 Amazon eGift Cards were given to each of the seven winners in addition to their monetary awards.

The Chapter assisted ASMI Headquarters in the Cleveland Cavaliers STEM Night event at Rocket Field House. The event was very well attended and rated as a great success. The Chapter's High School STEM Outreach, led by David Kovarik, worked with Warrensville Heights and Maple Heights High Schools to implement the program with them and continued efforts with a teacher in a North Ridgeville Middle School. Though initially a lot of interest, a lack of follow-through from the schools limited any significant progress. A Girl Scouts STEM Event was held on Saturday, April 30 at Camp Ledgeswood in Pennsylvania, Ohio. Led by Jeanne Deatherage of ASMI Headquarters and assisted by David Brown of the Chapter, the event was well-attended by approximately 20 Girl Scouts. Finally, Cleveland Chapter ExCom voted to contribute \$4000 of funding to assist Headquarters in conducting a Teachers Camp to be held this summer on July 25-29 in Lakewood.

The ASMI Cleveland Chapter Awards were presented in May at our Awards Event at The Dome. This year's recipients were...

ASMI Cleveland Chapter Award of Distinction: John C. Harkness, FASM, Materion Corp.

ASMI Cleveland Chapter Distinguished Service Award: Rosanne Brunello, Delta H® Technologies

ASMI Cleveland Chapter Outstanding Company Support Award: Allied High Tech Products, Inc.

ASMI Cleveland Chapter President's Award: Juli Chiara, Momentive Quartz Technologies, Inc.

ASMI Cleveland Chapter Technical Educator Award: Professor Clare Rimnac, Ph.D. FASM, CWRU

ASMI Cleveland Chapter Young Member Award: Jeremy P. Isler, BWX Technologies

ASMI Cleveland Chapter Chairman Award - 104<sup>th</sup> Chairman: John W. Pickens, P.E., Materials & Process Innovation, LLC

The Cleveland Chapter also had several members who made significant contributions throughout the year in ASM beyond the Chapter. Cleveland Chapter's own John Kuli is served as the Treasurer



## Cleveland Chapter

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Kowalski Heat Treating Company  
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of ASM International, Board of Trustees. Also, one of the Chapter's past Chairs, Dr. Ryan Paul, was added to the nominating committee for ASM International. The Cleveland Chapter also was honored to have Dr. Othmane Benafan selected as a Fellow of ASM International. The ASMI Albert Easton White Distinguished Teacher Award is to be presented to Professor John J. Lewandowski, Ph.D. FASM, CWRU in the upcoming IMAT 2022 in New Orleans. Additionally, the Chapter had the honor to nominate and successfully have three of its members selected to receive awards from the Cleveland Technical Societies Council:

#### (1) Robert B. Cummings Distinguished Leadership Award

Rosanne Brunello  
Director of Sales  
Delta-H Industrial Furnaces

#### (2) Technical Achievement Award

Othmane Benafan, Ph.D. / FASM  
Lead Materials Research Engineer  
NASA Glenn Research Center

#### (3) Technical Educator Award

Jennifer L.W. Carter, Ph.D.  
Associate Professor, Materials Science & Engineering  
Case Western Reserve University

Two of the Cleveland Chapter's regular events were delayed for the 2021-2022 term: the Dinner Theater, due to uncertainties from covid restrictions, and the Symposium due to the departure of the organizer in his accepting a new job. The groundwork has been laid to have a Symposium during the fall of 2022. Under the leadership of Dr. Othmane Benafan, the planning is underway for a Symposium on shape-memory alloys to take place November 2, 2022, at The Aviator in Cleveland. This promising event is already setting up what looks to be an exciting 2022-2023 term!

Respectfully submitted,  
Jeremy Isler, Secretary

## Chapter Program & Events for 2021-2022

Date	Topic	Speaker	Location
August 12, 2021	ASM Scholarship Golf Outing	-	Briarwood Golf Course
September 20, 2021	First ExComm Meeting	-	Online Event
October 12, 2021	Heat Treaters Night	David Deiwert; Pfeiffer Vacuum; "Gas Leak Detection"	At CSU with Online Option

November 16, 2021	Young Members Night	Justin Sims; DANTE Solutions, Inc.; “ Simulating Heat Treatment of Steel Parts”	At Toscana Party Center with Virtual Option
December 7, 2021	Holiday Party	-	Toscana Party Center
January 18, 2022	Past Chair Night	Ryan Paul; PhD, PE, ORNL; <i>“The Role of Graphite in Lithium-Ion Batteries”</i>	Online Event
February 3, 2022	Second ExComm Meeting	-	Online Event
February 8, 2022	Students Night	Dave Kovarik, Jaren Stidd, George Vander Voort; “ Famous Failures: 9/11 Microstructural Steel Analysis of the World Trade Center ”	Online Event
March 8, 2022	Sustaining Members Expo	Josh Stuckner; NASA GRC.; <i>“Machine Learning for Inverse Discovery &amp; Design of Materials”</i>	Toscana Party Center with Online Option
April 4, 2022	Zay Jeffries Night	Daniel Dennies; Fellow, ASM International;; <i>“The ASMI Eisenman Materials Camp and Selected Failure Investigations”</i>	Linsalata Alumni Center, CWRU with Online Option
May 9, 2022	Third ExComm Meeting	-	Online
May 9, 2022	Awards Night / National Officers Night	Prof. Clare M. Rimnac, Ph.D., FASM; CWRU <i>“ Materials Science and Medical Implant Performance”</i>	ASMI Headquarters (The Dome) with Online option
June 9, 2022	Fourth ExComm Meeting	-	Fat Heads Brewery