

**Chapter Newsletter, 2022, Vol. 1****Incoming Chair's Message**

I am extremely pleased to welcome you to the 2022-23 chapter year as the incoming Chapter Chair. I sincerely congratulate John Pickens and the dedicated Executive Committee for an excellent job with chapter operations and impact last year. The return to in-person meetings and the introduction of hybrid meetings has been very successful. It is great to see the level of participation including both familiar and new faces! Despite some headwinds from COVID-19, the chapter had a remarkably productive year.

Already in the works for 2022-23 are an Educational Symposium on Shape Memory Materials on November 2nd. This is an exciting technology area and the program organized by Dr. Othmane Benafan is sure to be enlightening. We hope you will join us. We will continue to bring a full technical monthly program and look forward to seeing each of you. Also importantly, our student outreach will be as strong as ever. As always, we encourage you to give us any feedback on how we are doing.

I am very happy to be back in the Cleveland Chapter after working out of state for the last two years! I'll see you at the next chapter meeting.

**Ryan Paul****Did you Know?**

You can keep up-to-date with news and events on our website?

[connect.ASMInternational.org/ClevelandChapter/home](https://connect.ASMInternational.org/ClevelandChapter/home)

**Sustaining Members**

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.



## Upcoming Events

Here's a first look at what we're planning for the 2022/2023 Program Year. Technical meetings dates and topics are all tentative. Watch your e-mail or check our ASM Website for updates!



### 2022-2023 Cleveland Chapter Calendar & Technical Program

Date (2022/23)	Event	Speaker & Topic	Location	Technical Chair
September 7 Wednesday	First Technical Meeting	Dr. Ajay Misra, "Status of Electrified Short-Range Air Transportation & Materials Requirements"	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	John Pickens, Material & Process Innovation, LLC
October 4 Tuesday	Heat Treaters Night	Greg Schuerling, Solar Atmospheres "Processing Considerations for Cryogenic Treatments in Steels"	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	David Kovarik, NSL
November 2 Wednesday	Cleveland Chapter Educational Symposium	Shape Memory Alloys	The Aviator 20920 Brookpark Rd, Cleveland, OH 44135	Dr. Othmane Benafan, NASA Glenn Research Center
November 15 Tuesday	Young Members Night	Dr. Kirk Rogers "BJAM: Process and Specification Development for 4130 Steel"	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	David Kovarik, NSL
December TBD	Holiday Party Social	Holiday Party Social – Potential speaker on 'Food Science'	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	Rosanne Brunello, Delta H
January TBD	Past Chair Night	Dr. David Sponseller, P.E. "The Golden Age of Metallurgy: Our Rich Heritage"	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	Dr. Ryan Paul
February TBD	Students Night	Ray Fryan "ASMI EcoSystem Technologies / Data Ecosystem"	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	Dr. Lynn Ferguson, Dante Solutions
March TBD	Sustaining Members Night	John Harkness, Archaeological Metallurgy	Toscana Party Center 4972 E 71st St, Cleveland, OH 44125	David Kovarik, NSL
April 17 Monday	Zay Jeffries Night (Jacket & Tie Event)	Alignment with Case's Seminar Jennifer Carter, CWRU organizer	TBD	New Chair ? Dan Hennesy ? (David Ellis will help coordinate)
May TBD	Awards Night / National Officers Night	NASA's Webb Telescope	ASMI Headquarters (The Dome) Mazullos Market Catering ?	<a href="#">Dr. Othmane Benafan ? Other NASA member ?</a>
June TBD	Golf Outing	-	<a href="#">TBD</a>	Rosanne Brunello, Delta H
June TBD	End of Year ExCom.Mtg	Annual / Changeover Meeting	TBD	Dr. Ryan Paul

*Blue are tentative subject to updates as additional information is available.*

# Cleveland Chapter - ASM International Operating Budget for 2022-2023

Calendar Year Starting July 1, 2022 and Ending June 30, 2023

Committee (Category)	Income		Expense		Delta Actual
	Budget	Actual	Budget	Actual	
<b>General_Office</b>	\$0	\$0	\$1,600	\$0	\$0
Administration	\$0		\$100		\$0
PayPal Fee	\$0		\$150		\$0
Audit	\$0		\$0		\$0
Member/Speaker Awards/Plaques	\$0		\$800		\$0
Corresponding Secretary	\$0		\$0		\$0
CTSC Dues	\$0		\$100		\$0
CTSC Banquet Table	\$0		\$250		\$0
CES	\$0		\$100		\$0
Leadership Days	\$0		\$0		\$0
Website (FormStack Cost)	\$0		\$100		\$0
Historian	\$0		\$0		\$0
Marketing	\$0		\$0		\$0
<b>Student Affairs</b>	\$7,750	\$0	\$12,550	\$0	\$0
Scholarships/Awards (Scholarship Fund)	\$3,000		\$3,000		\$0
Science Fair	\$0		\$1,500		\$0
Student Chapter Support	\$0		\$1,500		\$0
Teachers Camp	\$4,000		\$4,000		\$0
Materials Camp	\$0		\$0		\$0
Middle School Initiative	\$750		\$750		\$0
CTSC Banquet Scholarship	\$0		\$1,700		\$0
Supplies	\$0		\$100		\$0
<b>Chapter Rebates</b>	\$4,500	\$0	\$0	\$0	\$0
Regular Member	\$3,000		\$0		\$0
Sustaining Member (\$85 each)	\$1,500		\$0		\$0
<b>Meetings</b>	\$8,300	\$0	\$12,000	\$0	\$0
Executive	\$0		\$1,500		\$0
Program	\$6,000		\$6,000		\$0
Hospitality	\$0		\$0		\$0
Young Members Event	\$0		\$0		\$0
Zay Jeffries	\$2,300		\$4,500		\$0
<b>Corporate Support</b>	\$700	\$0	\$0	\$0	\$0
Sponsorship	\$700		\$0		\$0
<b>Education</b>	\$4,000	\$0	\$4,000	\$0	\$0
Symposium	\$4,000		\$4,000		\$0
<b>Social Events (Proceeds to Scholarship)</b>	\$13,500	\$0	\$8,500	\$0	\$0
Theatre	\$3,500		\$3,500		\$0
Golf Outings	\$10,000		\$5,000		\$0
<b>Investment Account Transfers</b>	\$0	\$0	\$0	\$0	\$0
Transf Checking & Savings (CHIP)	\$0		\$0		\$0
Transf. Checking & Investment (CHIP II)	\$0		\$0		\$0
Transf. Checking & Scholarship (CHIP II)	\$0		\$0		\$0
<b>Other</b>	\$0	\$500	\$0	\$0	\$500
ASM Chapter Awards		\$500			
<b>Total:</b>	<b>\$38,750</b>	<b>\$500.00</b>	<b>\$38,650</b>	<b>\$0</b>	<b>\$500</b>

## **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 ASMI 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 (\$200 each), four winners:

Grace Chen, Mentor High School

Caroline Spitznagel, Saint Joan of Arc

Omar Elbadowy, Birchwood High School

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

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.

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## **(Summary Report continued from a previous page)**

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 Ledgewood 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, Momenive 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 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:

Robert B. Cummings Distinguished Leadership Award: Rosanne Brunello, Director of Sales at Delta-H Industrial Furnaces

Technical Achievement Award: Othmane Benfan, Ph.D./FASM, Lead Materials Research Engineer at NASA Glenn Research Center

Technical Educator Award: Jennifer L.W. Carter, Ph.D., Associate Professor of Materials Science & Engineering at 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

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### **ASM Materials Camp – Teachers**

With appropriate pandemic protocols in place, Teachers camp was back on this year.

The Cleveland camp was held July 25<sup>th</sup> – 29<sup>th</sup>, at Lakewood High School.

As part of our outreach, the Chapter provided funding towards this event.

Please see the following page for a thank you from the teachers who attended.





**MATERIALS CAMP™**  
ASM MATERIALS EDUCATION FOUNDATION

**ASM Materials Camp® - Teachers**  
Lakewood High School  
July 25-29, 2022

**Thank you to  
ASM Cleveland Chapter**



**Cleveland  
Chapter**

**ASM  
INTERNATIONAL**

*Thank you!  
Jamie Kovarik*

*We had some of  
the best  
teacher  
attendees  
ever. Tom*

*Thank you  
all!  
Jenny Smilan*

*Thank you  
so much  
for a week  
of fun*

*Thank you  
so much for  
a fantastic  
week of  
fun  
Thank for helping  
setup on this camp  
It was so great  
Johnnie*

*Thanks so much for an  
amazing week of great  
experiences.*

*Lena Williams*

*Thank you so much  
for such a wonderful  
opportunity!*

*Elizabeth Belcher*

*Thank you for  
everything!  
Kelly Calvelage*

*It was such a  
great camp!  
Thank! Madeline  
Wheeler*

*Thank you  
for making this  
possible. It was  
invaluable. <sup>Spreay,</sup>  
Heather Hinkle*

*Thank you!!*

## Student Outreach Award

Cleveland Chapter has been selected as a winner for Student Outreach, Size Category 4: For investment in using Chapter resources, events, and innovative approaches to expand student outreach and growth.

The awards will be formally announced at the ASM Leadership Awards Luncheon, held during the ASM Leadership Day and IMAT conference on September 12, 2022 in New Orleans, LA.

The award comes with a \$500 prize.




## What's the best way to reach you?

With everyone being bombarded by messaging from every direction, it can be difficult to get break through the noise.

How would you like to receive Chapter information?

Let us know:  
[ASMClevelandChapter@gmail.com](mailto:ASMClevelandChapter@gmail.com)

## GET SOCIAL

	ASMI Cleveland Chapter
	<a href="https://www.instagram.com/asmclevelandchapter">asmclevelandchapter</a>
	<a href="https://www.linkedin.com/groups/13983045">www.linkedin.com/groups/13983045</a>

## Cleveland Chapter Officers for 2022-2023

Chapter Chairperson – Ryan Paul

Chapter Vice Chair – open – duties performed by committee

Chapter Treasurer – Jeremy Isler

Chapter Secretary – David Scannapieco

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

## Executive Committee Members

Audit Committee Chairperson - Roseanne Brunello

Awards Committee Chairperson - Bob Vigneulle

Chapter Historian/Archivist - Dave Kovarik

Constitution and Long-Range Planning - Dave Kovarik

CTSC Committee Chairpersons - Dave Brown and Rosanne Brunello

ExComm Advisor - Diana Essock

ExComm Advisor - Greg Petrus

ExComm Advisor - Ivan Locci

ExComm Advisor - Jim Hyres

ExComm Advisor - Justin Sims

ExComm Advisor - Mark DeGuire

ExComm Advisor - Thomas Glasgow

Hospitality Committee Chairperson – vacant

Membership Committee Chairperson - John Kuli

Nominations Committee Chairperson – John Pickens

Publications - Website/Newsletter - Juli Chiara

Registration Committee Chairperson – Matthew Gaydos

Social Committee Chairperson - Bob Vigneulle

Student Affairs and Scholarship Committee Chairperson – Dave Brown

Student Chapter Liaison - CWRU – vacant

Symposium Coordinator – Othmane Benafan

Young Members Committee Chairperson - Dave Brown

Zay Jeffries Night Chairperson - David Ellis