

MAKING A MATERIAL DIFFERENCE

2020 ANNUAL REPORT



ASM MATERIALS
EDUCATION FOUNDATION





DID YOU KNOW:

Master Teachers are the heart of our ASM Materials Camp® for Teachers and support our teachers with courses that are engaging and inspiring. Master Teachers attend and train at a number of ASM Materials Camps before leading one themselves, in addition to their own extensive classroom experiences.

Our Master Teachers worked extremely hard in 2020 revamping the curriculum and adjusting due to the restraints of COVID-19. They worked tirelessly to ensure what was offered was not subpar and went above and beyond to carry out the curriculum for our teachers and students. Their flexibility to make the programs virtual and to continually make improvements throughout the pandemic shows their best-in-class endeavors and their long-standing commitment.

The primary goals of our Master Teachers are:

- To help teachers prepare for, execute, and implement materials science successfully in their classrooms
- To allow teachers to perform/practice labs and demos in a supportive environment
- To share classroom experiences by incorporating ASM Materials Camp® curriculum into their classrooms



2020 SNAPSHOT:

MATERIALS SCIENCE IN A VIRTUAL WORLD

Throughout 2020, the Foundation operated 23 virtual ASM Materials Camps® for Teachers and three virtual ASM Materials Camps® for Students, with Missouri University of Science and Technology also hosting an online camp. We gratefully accepted financial support for them from corporations, foundations, ASM Chapters, universities, and many individuals.

ASM MATERIALS CAMP® FOR TEACHERS PARTICIPANT QUOTES:

“Wow! This has been amazing so far! The pacing is great and just the right amount of time with the hands-on activities. Thank you as well for the wealth of resources and knowledge from a variety of experts.”

“The week was full of great resources from Master Teachers, guests, and other teachers. The online format allowed for additional ways to share with other teachers.”



2020-2021 BOARD OF TRUSTEES

OFFICERS

Prof. Glenn S. Daehn, FASM; Chair
Mr. John R. (Chip) Keough, P.E., FASM; Vice Chair
Prof. Diran Apelian, FASM; Immediate Past Chair
Mr. James J. Ritchey; Treasurer
Ms. Carrie L. Wilson, J.D.; Secretary and Executive Director
Mr. Ron Aderhold; Acting Managing Director,
ASM International

TRUSTEES

Dr. Kevin R. Anderson, FASM
Dr. Raymond F. Decker, FASM
Dr. Kip O. Findley
Dr. William E. Frazier, FASM
Mr. Marc Fry
Dr. David Furrer, FASM
Dr. Peggy E. Jones, FASM
Mr. Don Lewon
Dr. Julio G. Maldonado
Ms. Carolyn Merritt
Mr. Andrew G. Nydam
Prof. Gregory B. Olson, FASM

Ms. Sarah Patterson
Ms. Elizabeth M. Perepezko
Dr. Frederick E. Schmidt, Jr., P.E., FASM
Mr. William W. Shropshire
Mr. J.P. Singh, FASM
Dr. Winston Soboyejo
Dr. Judith A. Todd, FASM

EMERITUS TRUSTEES

Dr. Aziz I. Asphahani, FASM
Prof. Stephen M. Copley, FASM
Mr. Ronald J. Parrington, P.E., FASM
Dr. Alton D. Romig, Jr., FASM
Dr. Jack G. Simon, FASM
Dr. Lyle H. Schwartz, FASM
Dr. Thomas G. Stoebe, FASM

STAFF

Ms. Jeane Deatherage
Ms. Marisa Keene
Mr. Robert Meyer

PILLAR SOCIETY

The Pillar Society represents the four pillars of the ASM Materials Education Foundation's purpose:

Education • Knowledge • Leadership • Service

The Society recognizes and appreciates donors who have made end-of-life commitments to the Foundation during their lifetime. These ultimate gifts are greatly appreciated as they express the donor's strong commitment to excite young people in materials, science, and engineering careers.

Do you want to leave a legacy for tomorrow's youth and your own field? To become a member of this elite Society, simply contact the ASM Materials Education Foundation and provide a declaration of your intentions to remember the Foundation in your will or trust.

PILLAR SOCIETY MEMBERS:*

Mr. Riad I. Asfahani	Dr. William P. Koster+	Dr. Lyle H. Schwartz and Mrs. Celesta S. Jurkovich
Dr. Aziz I. and Mrs. Wendy Asfahani	Dr. Edward H. Kottcamp, Jr.	Dr. William W. Scott, Jr.+
Mr. Don and Mrs. Meredith Blickwed+	Dr. David and Ms. Barbara Krashes	Dr. Roch J. Shipley
Mr. Richard D. Brams+	Dr. George Krauss	Dr. Jack and Mrs. Ene+ Simon
Dr. and Mrs. Spencer H. Bush+	Mr. Warren H. Krogstad+	Dr. Edward E. Slowter+
Mr. Wilford H. Coutts, Jr.+	Mr. William D. Manly+	Mr. Robert Sparks
Dr. W. Raymond Cribb	Dr. and Mrs. Donald Muzyka	Dr. Tom and Mrs. Jan Stoebe
Dr. Ray and Mrs. Mary Decker	Professor Jagdish Narayan	Dr. and Mrs. Carl E. Swartz+
Dr. Daniel P. Dennies	Mr. and Mrs. John P. Nielsen+	Dr. R.C. Tucker, Jr.
Mr. and Mrs. W. William Dyrkacz+	Mr. Andy and Mrs. Jane Nydam	Mr. Julius L. Turk+
Mr. and Mrs. William Hunt Eisenman+	Mr. Ron and Mrs. Cheryl Parrington	Mr. and Mrs. Kent R. Van Horn+
Mr. and Mrs. Arthur E. Focke+	Mr. and Mrs. Greg Petrus	Dr. Christopher Viney and Dr. Lisa Gilliland-Viney
Dr. and Mrs. Gordon and Ann Geiger	Mr. and Mrs. John and Nancy Pridgeon+	Dr. and Mrs. Charles A. Wert+
Dr. R. G. "Gil" Gilliland	Mr. and Mrs. Ivan Racheff+	
Ms. Diane Goldin	Dr. Bhakta B. and Mrs. Sushama+ Rath	+ Legacy Donors (Deceased)
Mr. and Mrs. Maryella and Robert D. Halverstadt+	Mr. and Mrs. William A. Reich+	* As of June 6, 2021
Mr. and Mrs. Walter C. Hollander	Mr. George A. Roberts+	
Dr. Margaret (Peg) Jones	Dr. Alton D. Jr. and Mrs. Julie Romig	
Mr. John R. (Chip) & Mrs. Nancy Keough	Ms. Karen Sabo	
Mr. and Mrs. Ashok Khare	Dr. Frederick E. Schmidt, Jr.	
Mr. Fred Kisslinger		

"Our instructors were absolutely awesome and their passion really came through making learning exciting and inspiring. This is how we keep students in the classroom and coming to school every day!"

- ASM Materials Camp® for Teachers attendee



FINANCIALS

STATEMENT OF FINANCIAL POSITION (PRE-AUDIT) DECEMBER 2020 & 2019

ASSETS

CURRENT ASSETS	2020	F/N	2019
CASH AND SHORT-TERM INVESTMENTS	\$25,000		\$10,674
ACCOUNTS RECEIVABLE			
Receivables	\$8,050	1/	\$40,505
Prepays	0		0
Inventory	0		0
TOTAL CURRENT ASSETS	\$33,050		\$51,180
INVESTMENTS AT MARKET VALUE			
CAMP 1 Funds (fixed interest)	\$21,235		\$20,734
Balance of Funds	\$14,881,237		\$14,645,725
TOTAL PORTFOLIO AT MARKET VALUE	\$14,902,472	2/	\$14,666,459
Debt Owed by ASMI	\$101,464	3/	0
Life Insurance Cash Surrender Value	\$9,271		\$8,042
Fixed Assets - Fundraising Software	0		0
Accumulated Depreciation - Fundraising Software	0		0
TOTAL ASSETS	\$15,046,257		\$14,725,681

FOOTNOTES

1/ Accruals of contributions and pledges.

2/ Market Value of the investment portfolio, variance to statement due to rounding.

3/ ASMI debt to ASMMEF - See #4 and #5 below.

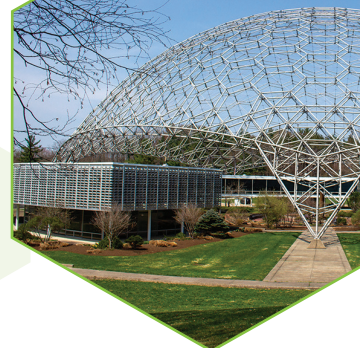
4/ ASMMEF debt to ASMI - Payments processed quarterly. Do not anticipate a balance here until after Summer Camp programs are complete.

5/ This represents difference between market value and cost value of the investment portfolio reflecting the overall market growth in the portfolio.

6/ Permanently restricted funds - adjusted for shortfalls

LIABILITIES & ASSETS

CURRENT LIABILITIES	2020	F/N	2019
Accounts Payable and Accrued Expenses	\$534		\$1,146
Borrowings Under the Line of Credit	\$382,245		\$460,707
Deferred Revenue (Future Camps)	0		0
Debt Owed to ASMI	0	4/	\$892
TOTAL CURRENT LIABILITIES	\$382,779		\$462,743
LONG-TERM LIABILITIES			
Long-Term Liabilities	\$69,217		\$67,882
Deferred Interest Income	0		0
TOTAL LONG-TERM LIABILITIES	\$69,217		\$67,882
NET ASSETS			
Unrestricted Net Assets	\$1,885,618		\$1,217,818
Operating	\$1,557,354		\$2,032,700
Unrealized gain (loss) on investments	\$1,124,121	5/	\$2,282,269
TOTAL UNRESTRICTED NET ASSETS	\$4,567,093		\$5,532,788
RESTRICTED NET ASSETS			
Temporarily Restricted	\$1,370,980		\$1,099,825
Permanently Restricted (Adjusted)	\$2,162,758	6/	\$1,008,521
Board Designated Restricted	\$6,493,429		\$6,553,921
TOTAL RESTRICTED NET ASSETS	\$10,027,167		\$8,662,267
TOTAL NET ASSETS	\$14,594,260		\$14,195,055
TOTAL LIABILITIES & NET ASSETS	\$15,046,257		\$14,725,681



THANK YOU TO OUR 2020 DONORS!

TITANIUM (\$25,000+)

ASM Materials Camp Canada
Dr. James M. Boileau
Carpenter Technology Corporation
CHiMaD Project - Northwestern University
Dr. Peggy E. Jones
Mr. John R. (Chip) Keough, P.E.
Henry M. Rowan Family Foundation Inc.

PLATINUM (\$10,000+)

Acta Materialia Inc.
Cargill Incorporated
Chevron
The Cliffs Foundation
Dr. Stephen Copley and Dr. Judith Todd
Dr. Raymond F. Decker and Mrs. Mary Decker
Griffiss Institute Inc.
Ivy Tech Community College
The Martha Holden Jennings Foundation
Mississippi State University
Purdue University Calumet
St. Mary's University

GOLD (\$5,000+)

Dr. Aziz I. Asphahani
Mr. Andrew DeWolfe
Element Materials Technology Wixom Inc.
Honeywell National Technology & Engineering Solutions of Sandia
Mr. Donald Lewon
Dr. Julio G. Maldonado
Montana Technological University
NACE International Foundation
NACE New Orleans Section
Nordson Corporation
Parker Hannifin Foundation
QuesTek Innovations LLC
Dr. Alton D. Romig, Jr.

SILVER (\$1,000+)

American Chemet Corp.
American Foundry Society
Mr. John V. Andrews
Prof. Diran Apelian
Cargill – Fort Wayne
Mr. David C. Damschen
Mr. John Drosdak
Eagle Crest High School
Ms. Diana M. Essock
Ms. Catherine L. Fallen
Dr. David U. Furrer
Dr. Thomas K. Glasgow
Google Incorporated
Mr. Larry D. Hanke, P.E.
Dr. Sheila Harper
Hill Air Force Base K-12 STEM Outreach Program
Dr. Darel E. Hodgson
Instron Corporation
International Symposium on Superalloys
Ms. Marilyn T. Kemp
The Keough Family Foundation
Dr. Edward H. Kottcamp, Jr.
Dr. David Krashes
Dr. Kishor M. Kulkarni
Dr. George Y. Lai
Prof. David E. Laughlin
Prof. David K. Matlock
Mr. Paul Milano
Dr. Donald R. Muzyka
Mr. Andrew Nydam
Dr. Joe H. Payer
Puget Sound ASM Chapter
Mr. Peter Pursall
Mr. James J. Ritchey
Dr. Lyle H. Schwartz and Ms. Celesta Jurkovich
Mr. William Shropshire
Mr. Larry Somrack
Mr. A. Alan Swiglo
Mr. Paul W. Trester
The University of Akron

Mr. Gerardo Valero

Mr. John H. Weber

Ms. Carrie Wilson and
Mr. Patrick Wilson

BRONZE (\$500+)

Dr. Iver E. Anderson
ASM Detroit Chapter
Mr. Larry Berardinis
Booz Allen Hamilton
Mr. Michael B. Connelly
Prof. Glenn S. Daehn
Ebsco
Dr. William E. Frazier
Mr. Marc Fry
Dr. Raymond V. Fryan
Prof. Ronald Gibala
Dr. Kathy L. Hayrynen
Mr. Howard E. Horner
Mr. William T. Mahoney
Mr. Phillip Milano
Dr. Guiru Nash Liu
Dr. Frederick Schmidt, Jr., P.E.
Dr. Jason T. Sebastian
Dr. Jack G. Simon
Dr. Mark F. Smith
Dr. Winston (Wole) O. Soboyejo
Mr. Timothy P. Williams

STEEL (\$100+)

Dr. Dale E. Alexander
Ms. Jane Alexandrov
Mr. Shawn Allan
Mr. Charles W. Allen
Amazon Smile
Dr. Kevin R. Anderson
Dr. Thomas Auten
Dr. Chris Bagnall
Mr. John Banker
Battelle
Mr. Peter C. Bauerle
Ms. Veronica Becker
Dr. Brian Berg
Dr. John C. Bierlein
Dr. David M. Bowden
Mr. Nate Bulcroft
Ms. Emese Burke
Ms. Vicki Burt

Mr. Peter Callert
Mr. John A. Campbell
Mr. Joseph Carpenter
Dr. Allan H. Clauer
Ms. Jessica Clinton
Mrs. Elvira Cohn
Dr. Terence E. Dancy
Mr. Roberto Darocha
Dr. Sheldon W. Dean
Mrs. Jeane Deatherage
Dr. Dennis Dimiduk
Ms. Kate Doman
Ms. Jacqueline Earle
Mrs. Mary Anne Fleming
Dr. James Foley
Ms. Julie Galiotto
Dr. Joseph P. Gallagher
Dr. Anthony Giamei
Dr. Paul S. Gilman
Ms. Emily Glorioso
Mr. Henry G. Goehring
Dr. Manohar S. Grewal
Mr. Frederick Hafner, P.E.
Mr. William L. Hamm, Jr.
Dr. Jeffrey Hawk
Mr. Scott Henry
Mr. T. Brock Hinzmann
Dr. John P. Hirth
Mr. Donald Hixson
Ms. Christine Hoover
Mr. William F. Hosford
Mr. Gerald L. Houze
Mr. Dennis D. Huffman
Mr. James F. Jenkins
Ms. Marisa Keene
Dr. Azita Khalili
Mr. Steven E. Knudson
Dr. Kenneth G. Kubarych
Mr. John C. Kuli
Ms. Joan M Ladd
Mr. Bernard C. Laroy
Dr. Nassos Lazaridis
Mr. Luis Leon
Mr. Lance A. Lewis
Los Alamos National Lab
Dr. Afina Lupulescu
Dr. Tyler X. Mahy
Mr. Greg B. May
Prof. Terry McNelley

Ms. Carolyn Merritt
Ms. Joanne Miller
Mr. Francis J. Minden
Dr. Carroll E. Mobley
Prof. John E. Morral
Dr. Erik M. Mueller, P.E.
Mr. Roger Mutz
Dr. Sundaram (Simon) Narasimhan
Network for Good
Mr. John M. Oblak
Dr. Matt O'Keefe
Mr. John Pease
Ms. Elizabeth M. Perepezko
Dr. Michael A. Rigdon
Mr. Kirk Rogers
Mr. Ralph Romano
Mr. Joseph Romero
Dr. Alan R. Rosenfield
Mr. Robert E. Sanders
Dr. Krishnan K. Sankaran
Mr. J.E. Sauve
Mr. Justin Sickles
Skillsoft Corporation
Dr. James L. Smialek
Mrs. Kelly Sukol
Mr. Samupraga Surya Prakash
Mr. Stuart B. Symborski
Dr. Harold L. Taylor
Dr. Thomas A. Taylor
Dr. Brian G. Thomas
Mr. Ravindra V. Tilak
Ms. Madrid Tramble
Dr. John H. Tundermann
Dr. Arthur Turner, P.E.
Mr. George F. Vander Voort
Mr. Stephen W. Vittori
Dr. F.W. Wiffen
Mr. and Mrs. Louis and
Karen H. Witwer
Dr. Klaus M. Zwilsky

COPPER (\$1+)

AA Precisioneering Inc.
Mr. Olumide A. Adeyemo
Mr. Mark Albrecht
Prof. David F. Bahr
Mr. Christopher Bayley
Dr. Jonathan C. Beddoes, P.E.
Mr. Richard B. Bertolo
Mr. Daniel Bertrand
Prof. Elliot Biro
Dr. William J. Boettinger
Mr. Andre Bourgault

Mr. Andrew J. Brincko
Mr. John Brodemus
Dr. Robert J. Bucci
Ms. Melissa Butsko
Mr. Matthew S. Carlone
Dr. Stephen H. Carr, P.E.
Dr. Adrian Catalina
Dr. V. Chandru Chandrasekaran
Mr. Laurent Chappuis
Mr. Deepak Chowdhary
Dr. Julie A. Christodoulou
Dr. Elliot Clark
Mr. Eric Comini
Dr. Brett P. Conner
Mrs. Catherine Conroy
Mr. Robert Cordewener
Mr. Jack Crane
Prof. Robert Cryderman
Ms. Carolyn Darimont
Dr. Richard G. Davies
Mr. Kenneth Davis
Mr. Bill Derksen
Ms. Joyce A. Dever
Mr. John Dierlam
Mr. Todd Dinkel
Mr. Thomas Dore
Ms. Patricia Duda
Mr. Jonah Evans
Dr. Kip O. Findley
Dr. Fred B. Fletcher
Dr. Matthew Fox
Mr. Charles T. Freeman
Mr. Steven M. Garrett
Ms. Bernice Gatrell
Mr. Robert J. Goode
Mr. Ryan Haase
Dr. Michael T. Hahn
Ms. Grace Halford
Ms. Rose Halford
Mr. James J. Hankey
Mr. Leonard Harris
Mr. Martin Hartlieb
Mr. Nicholas Hegyi
Dr. Lester E. Hendrickson
Mr. Eric Hendriks
Prof. Richard W. Hertzberg
Mr. Raymond T. Hoffman
Ms. Mary Jane Hornung
Mr. Georges Houle
Dr. David Hovis
Mr. Steve Hulsey
Mr. Glenn S. Huppi
Mr. Taylor Hurdle

Dr. Laurence A. Jackman
Ms. Caryn Jackson
Ms. Jerri Jefferies
Mrs. Mary Anne Jerson
Mr. Walter E. Johnson
Ms. Pamela Jordan
Mr. Josiah Jordan, P.E.
Mr. Michael P. Knauer
Dr. Gerald A. Knorovsky
Mr. William C. Kottke
Mr. Charles Kreiner
Mr. Jonathon Krimm
Ms. Tuesday Kuykendall
Ms. Jocelyn Laberge
Mr. Joshua E. Learman
Mr. Charles W. Lentz
Mr. Paul A. LeRoux
Mr. David Levasseur
Ms. Annie Levesque
Dr. Thomas Luhman
Mr. Harold P. Mahanes
Make My Donation
Ms. Karen Marken
Mr. Paul K. Mason
Mr. Jan W. Matousek
Mr. Steven McGinnis
Prof. Alexander McLean
Mr. Brian J. McTiernan, P.E.
Mr. Christophe S. Mehanna
Mr. Greg Melnychuk
Dr. Matthew Merwin
Ms. Andrea Morrow
Mr. Madhusudhanrao Mulinti
Mr. John Myers III
Mr. Michael S. Nagorka
Mr. Francis F. Nagy
Mr. Carl Nail
Ms. Mary Nalbach
Prof. G. Robert Odette
Ms. Lisa Ogiemwonyi
Mr. Daniel Opie
Ms. Neha Patel
Dr. Amra Peles
Mr. Michael W. Perkins, P.E.
Mr. Rodolfo Rossini Perticarrari
Mr. Barry W. Phillips
Mr. Vinod Srinivasan
Prathivadhibayankara
Dr. John D. Pratt, P.E.
Mr. Jeffrey R. Ramberg
Mr. Mark Ransome
Mr. Ramesh C. Rao
Mr. Eric Reddock

Mr. Hugh M. Robinson
Mr. Jim R. Rocco
Mrs. Angelita Rodriguez
Dr. Eli Ross
Mr. Flavio M. Rovertoni
Mr. David S. Rupert
Dr. Muthukumarasamy
Sadayappan
SAE International
Dr. Gary D. Sandrock
Mr. Taras D. Semeniuk
Ms. Marsha H. Shahoud
Mr. Harvey Sharp
Dr. David Shifler, P.E.
Dr. Eugene A. Silva
Dr. David Skelskey
Ms. Marilyn Somerville
Mr. Paul Sorvari
Mr. Walter J. Sperko, Jr.
Dr. John A. Spitznagel
Dr. Stephen Stafford
Mr. Milton F. Stevenson, Jr.
Mr. Mark Svare, P.E., Int.P.E.
Dr. Phillip D.
Swartzentruber
Dr. Eric M. Taleff
Mr. Shuo Tang
Dr. John M. Tartaglia
Mr. Ty Tran
Mr. Ethan Vance
Mr. James F. Vatalaro
Ms. Lillian S. Verkuil
Mr. Mario R Villarreal
Mr. Vidu Weerasinghe
Mr. Michael J. Weimer
Mr. Robert Wesolowski
Mr. Glenn G. Whiteside
Dr. George G. Wicks
Mr. Dean Williams
Mr. Smith J. Williams
Mr. James A. Woodard
Dr. Linruo Zhao



WHO WE ARE

For over 65 years, the ASM Materials Education Foundation has been devoted to promoting Materials Science education and career opportunities to both students and teachers. The Foundation funds undergraduate scholarships and numerous educational outreach activities, supplies grants to teachers for classroom projects, and operates our signature program — ASM Materials Camp® for both students and teachers.

OUR MISSION

Develop and deploy materials science content and hands-on, minds-on instructional strategies to inspire, engage, and empower future generations to create STEM solutions for 21st century challenges.



**ASM MATERIALS
EDUCATION FOUNDATION**

asmfoundation.org



9639 Kinsman Road | Materials Park, OH 44073-0002 | 440.671.3800 | foundation@asminternational.org