ANNOUNCING THE 2022 TMS SCHOLARS

Megan Enright

The 2022 class of TMS Scholars reflect the bright future of the minerals, metals, and materials professions. As we hear in their own words, the TMS community has provided these promising young individuals with opportunities to grow and learn, to meet new people in their fields, and much-appreciated financial assistance which has allowed them to continue their studies and work in these fields.

In addition to helping with the cost of education, many of the scholarships awarded include travel grants to aid these students in attending highly regarded professional meetings, like the TMS annual meeting. This allows these students to begin networking with professionals in their field, to expand their technical knowledge, and to build their professional profile.

Several of these scholarships will be awarded during the TMS 2022 Annual Meeting & Exhibition (TMS2022) technical division functions, portions of which are open to all TMS2022 attendees. Be sure to support this promising group of scholars and congratulate them on their achievements. Furthermore, various other awards and scholarships will be conferred at the TMS-AIME Awards Ceremony during TMS2022; all are invited to attend. TMS2022 will be held from February 27–March 3, 2022, in Anaheim, CA. Learn more and register today at www.tms.org/TMS2022.

APPLY FOR A 2023 TMS SCHOLARSHIP

If you are a full-time undergraduate or graduate student interested in financial assistance, early career recognition, and important opportunities for advancement through technical exchanges at the TMS Annual Meeting & Exhibition, consider applying for a 2023 TMS Scholarship.

Applicants must submit their completed TMS scholarship application, up to three recommendations, a personal statement, and a transcript with current GPA online at www.tms.org/Awards. The deadline to apply for a 2023 award is March 15, 2022.

Visit www.tms.org/Awards to access application forms and for future notices about changes on how to submit your application package. For questions on TMS Scholarships, please contact awards@tms.org.

TMS DIVISION AWARDS

TMS Division Scholarship recipients will also receive a dollar-for-dollar scholarship match through the Battelle Matching Scholarship Program. This is made possible through the generous support of Battelle and its retired chief executive officer, Jeffrey Wadsworth.

Additionally, students who receive a Battelle Matching Scholarship will be eligible for a Battelle Materials Graduate Student Award when they matriculate to a graduate school to continue studies in a materials-related field.

Extraction & Processing Division (EPD) Scholarship

Awarded through the EPD and the TMS Foundation to sophomore or junior undergraduate students majoring in the extracting and processing of minerals, metals, and materials.

Jennifer Johnson
South Dakota School of Mines and Technology

"This scholarship will allow me to continue in my goal, since middle school, of graduating college debt-free. I am also very excited to have the opportunity to attend the TMS 2022 Annual Meeting & Exhibition and be surrounded by industry leaders and researchers in

the metallurgy field!"

Madison Pixler
University of Notre Dame

"I chose to attend Notre Dame because I knew the education that I would receive would be one that cultivates both my mind and my heart. I also knew a membership with TMS would help me to develop critical skills to apply in the materials industry. The funds of this scholarship will go directly to paying

for my tuition and will allow me to relieve financial stress while focusing on my chemical engineering degree."

Madison Rutherford
Worcester Polytechnic Institute

"Thanks to my involvement in TMS and to the professors who supported me along the way, I have determined what I want to do with my future and gained the confidence to eventually pursue a Ph.D. in materials science. I hope to continue researching sustainable methods of material production and recycling. I'm

honored to receive the EPD Scholarship and am proud of the work I have done so far and what is to come."

Functional Materials Division (FMD) Gilbert Chin Scholarship

Awarded through the FMD and the TMS Foundation to sophomore or junior undergraduate students studying subjects related to synthesis and procession, structure, properties, and performance of electronic, photonic, magnetic, and superconducting materials, as well as materials used in packaging and interconnecting such materials in device structures.

Tylee Oldham
University of Kentucky

"TMS and the TMS Foundation have provided a plethora of scholarship, networking, and materials-related sources that are truly valuable to its members. As an out-of-state top scholar in a collegiate materials engineering program, TMS has enabled me

with connect to others in my field and develop strong engineering ties through networking. I am excited to see my future with the assistance of TMS to help with my college support and resources."

Light Metals Division (LMD) Scholarship

Awarded through the LMD and the TMS Foundation to outstanding sophomore or junior undergraduate students majoring in metallurgical and/or materials science and engineering with an emphasis on both traditional and emerging light metals.

Jarrett Loseke
Iowa State University

"TMS and Material Advantage provide numerous opportunities for learning and connecting with others, offering me a significant advantage in my studies and search for an internship, research, or a job further down the road. I am extremely grateful for the opportunities provided and am excited to continue

my education as an undergraduate."

ENSURE A STRONG SCIENCE AND ENGINEERING FUTURE

The events of the last two years have underscored the importance of science and engineering in successfully overcoming urgent and complex challenges, yet the economic and social impacts have put additional stresses on our most vulnerable colleagues—science and engineering students. Just like the individuals featured in this article, students will lead society through future crises.

Each of the scholarships presented in this article are made possible by the TMS Foundation and its generous supporters. You can ensure the good work on the Foundation continues by making a donation today at www.TMSFoundation.org/Contribute. For more information or to discuss donation options, contact TMS Foundation staff at TMSFoundation@tms.org.

Materials Processing & Manufacturing Division (MPMD) Scholarship

Awarded through the MPMD and the TMS Foundation to sophomore or junior undergraduate students majoring in metallurgical and/or materials science and engineering, with an emphasis on manufacturing, integrating process control technology into manufacturing, and basic and applied research into key materials technologies that impact manufacturing processes.

Megan Burrill
Illinois Institute of Technology

"Participation in Material Advantage, and in particular the TMS Bladesmithing program, has been influential in my aspirations as a materials scientist. TMS Bladesmithing ignited my love for materials science, and I sought every opportunity to learn more.

Working with the graduate students I met through Bladesmithing, I began performing research during my second semester of college and have worked on a wide variety of projects. In addition, I have been the project leader for Bladesmithing, providing me with the valuable experience of leading a research project and presenting the results at the TMS 2020 Annual Meeting & Exhibition. All these experiences make me excited to take on the challenge of a Ph.D. in materials science and I look forward to using computational methods to inform and accelerate the experimental discovery of novel battery materials."

Structural Materials Division (SMD) Scholarship

Awarded through the SMD and the TMS Foundation to sophomore or junior undergraduate students majoring in metallurgical and/or materials science and engineering with an emphasis on the science and engineering of load-bearing materials, including studies into the nature of a material's physical properties based upon its microstructure and operating environment.

Sheron Tavares
University of California, San Diego

"The TMS Foundation is a component of one of the most important societies in the world—TMS. I feel honored to be part of this institution. I am completely happy to have been awarded this scholarship. This award represents my passion and dedication to the field of materials science. I hope

to receive more awards from TMS throughout my professional career. My dream is, after finishing my doctorate, to be a talented professor and scientist in the vast field of materials."

TMS SOCIETY AWARDS

TMS International Symposium on Superalloys Scholarships

This award is for undergraduate and graduate students majoring in metallurgical and/or materials science and engineering with an emphasis on all aspects of the high-temperature, high-performance materials used in the gas turbine industry and all other applications. Awards are presented in conjunction with the Materials Science and Technology Conference and the International Symposium on Superalloys.

Preston Nguyen
University of Pittsburgh

"This scholarship is a significant milestone for me that indicates that all the hard work I have put forth and all the obstacles I had to overcome were worth the effort. TMS and Material Advantage have helped me improve my interpersonal and professional

skills. I hope to use the skills that TMS and Material Advantage have helped me develop to pursue further materials research in superalloys."

Rafael Rodriguez
University of Pittsburgh

"I am very thankful to TMS and honored to receive this award. This scholarship represents a recognition of what my hard work has accomplished and a strong encouragement to continue pursuing excellence in the materials science field. I am excited for this opportunity as this

award constitutes strong support to continue my studies and research work in the field of superalloys."