

PROFESSIONAL PREFACE

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The Newsletter for Student Members of The Minerals, Metals & Materials Society

A STUDENT MEMBER'S GUIDE: HOW TO BECOME A TMS VOLUNTEER

TMS is a member-driven society in which the organization is structured so that members make the key decisions, from goals and future initiatives to the content of conferences and publications. For this reason, volunteer members are critical to the success of the society. Volunteering with TMS activities involves a significant level of commitment. TMS volunteer members of all ages can become involved in activities that encourage the future leaders of the materials science and engineering fields. Here are ways student members can become TMS volunteers.

- **Join or Develop a Material Advantage Chapter:** Student chapters are the easiest entry point for students wishing to become more active in TMS. There are more than 75 Material Advantage Chapters at schools of materials science and engineering throughout the world. Most chapters hold social activities, invite speakers to talk on materials issues, and tour plants, laboratories, and research facilities. However, not all colleges and universities with materials science and engineering departments have chapters. To form an ASM/TMS joint chapter, student members must first seek out a faculty member who belongs to either TMS or ASM to serve as faculty advisor. Additionally, ASM/TMS student members are needed to develop the chapter. In order to become an official joint student chapter, students must submit a list of joint student members, along with written approval from the college or university, and a set of bylaws to the Chapter Relations Department at ASM Headquarters. Many student chapters formed in North American colleges and universities are joint student chapters of TMS and ASM. TMS student members in Canada have the option of forming a joint chapter with either ASM or with the Metallurgical Society of the Canadian Institute of Mining, Metallurgy, and Petroleum (CIM). International TMS members may simply form a TMS student chapter. Students wishing to find out if their school has an ASM/TMS joint student chapter or want guidelines to forming a Material Advantage chapter should visit the TMS web site at www.tms.org/Students/studentchapters.html.
- **Become a Committee Member:** A committee is a good starting point for volunteers. Nearly every activity of TMS stems from committee work, including technical meetings and short courses, proceedings, *JOM* topics, and awards and scholarships. To become involved in a committee, potential volunteers should attend a technical or administrative committee meeting to learn more about the opportunities and activities of that particular committee. Committee meetings are held each year during the TMS annual and fall meetings. TMS members who would like to become involved with a committee but are unable to attend a committee meeting should contact the committee chair to express interest. A complete listing of all committees and committee chair names and contact information can be found on the TMS Committee home pages at members.tms.org.
- **Student Monitors:** TMS student members can volunteer to assist the chairs of technical sessions held at the TMS annual and fall meetings by serving as student monitors. Student monitors are responsible for making sure all equipment is in place for technical presentations, as well as for recording attendance and assisting presenters in any way necessary. Monitors must attend

(CONT. ON NEXT PAGE)

2009 STUDENT AWARD WINNERS

The TMS Foundation and TMS technical divisions fund scholarships and awards each year to help students pursue their academic goals. The application deadline for 2010 scholarships and awards is March 15, 2009. Scholarship applications and submission requirements can be accessed through www.tms.org/Students/Awards.html. The following student members received this year's awards.



1.

1. TMS J. Keith Brimacombe Presidential Scholarship

"I am exceptionally grateful to TMS for honoring me with the J. Keith Brimacombe TMS Presidential Scholarship. This award is a valuable aid to my materials education and inspires me to achieve excellence in this field. It is a priceless opportunity to be recognized by a professional society, and this award encourages me to pursue greater endeavors in education, professional development, and materials research. I would also like to thank the fantastic faculty at Washington State University for their unwavering support."

Whitney Patterson, Washington State University



2.

2. Electronic, Magnetic & Photonic Materials Division Gilbert Chin Scholarship

"This award greatly encourages me to continue pursuing excellence in all parts of my career."

Sarah Miller, Washington State University



3.

3. Extractive & Processing Division Scholarship

"I feel very honored to be the recipient of this outstanding award. Being chosen for this scholarship again furthers my desire to pursue a career in the metal extractive and processing industry. Hopefully when I graduate, I will have many offers in this field."

Adam McGrath, University of Utah



4.

4. Extractive & Processing Division Scholarship

"I am honored to receive this TMS/EPD scholarship award. It represents the many months of hard work and dedication that I put into learning the science behind materials. This award will allow me to continue to focus on succeeding in this field and eventually contributing to better mankind."

Asad Mughal, Rutgers University



5.

5. Extractive & Processing Division Scholarship

"I am honored to accept this award from the TMS/EPD division. I know that it will assist me in my pursuit of research and scholarship in the cutting edge field of extractive metallurgy. I have learned a great deal about the different technologies currently used in a wide variety of extractive operations and I hope to contribute to this vast body of knowledge through my scholastic efforts and by working in the industry. The EPD division is a great organization for encouraging students to do this very thing."

Scott Middlemas, University of Utah

(CONT. ON NEXT PAGE)

2009 STUDENT AWARD WINNERS (CONTINUED)



6.

6. Extractive & Processing Division Scholarship

"I am very grateful to have received this scholarship and I am proud to represent Penn State."

Kathryn O'Brien, Pennsylvania State University



7.

7. Light Metals Division Scholarship

"I am honored to be an LMD scholar. I thank TMS for their generosity and their commitment to future materials scientists and engineers. Being a member of TMS has benefited me both in my school work and in developing a future career. The LMD scholarship will help me tremendously in continuing my education. I would also like to thank the faculty and students of the University of Nevada, Reno, for the direction and support that I have received from them."

Kurtis Clark, University of Nevada, Reno



8.

8. Light Metals Division Scholarship

"This generous award greatly helped me financially, but more so it helped me feel reassured in myself and in my abilities to continue to pursue and reach my education and career goals. I am very grateful for the confidence TMS has shown to have in me, and this honor has encouraged me to continue to work hard and challenge myself. Thank you very much."

Lauren Neufarth, Ohio State University



9.

9. Light Metals Division Scholarship

"I feel honored to have received this award. This is a great opportunity to help me continue to pursue my education in materials science, and my ultimate goal of one day becoming a professor."

Katherine Marie Becker, Michigan Technological University



10.

10. Materials Processing & Manufacturing Division Scholarship

"I am honored to be a recipient of the MPMD Scholarship and to join the prestigious list of others who have received this award before me. Thanks to the support of TMS, my future is looking brighter all the time."

Eric Young, South Dakota School of Mines & Technology



11.

11. Materials Processing & Manufacturing Division Scholarship

"It is truly a great honor to be awarded this scholarship from such a prestigious organization as TMS. I would like to thank the faculty at the University of Alabama for all the support and guidance that they have provided me over the past years. Thank you again."

Mathew Kirsch, University of Alabama



12.

12. Structural Materials Division Scholarship

"It is a great honor to receive the 2009 TMS/SMD scholarship. To me, this award reflects a great deal of hard work done by myself and the Cal Poly Materials Engineering faculty. Furthermore, it motivates me to continue to pursue academic and professional excellence in the field of materials science and engineering. I would personally like to thank the TMS scholarship committee, Cal Poly Materials Engineering faculty, and my family for making this award possible. Thank you all!"

Steven A. Hawks, California Polytechnic State University



13.

13. Structural Materials Division Scholarship

"I want to thank the Structural Materials Division, the faculty of the materials engineering department of the University of Alabama, and my fellow classmates. I am honored to have been chosen for this award and hope to continue developing my skills in the field of Materials Engineering."

Maegan Fuller, University of Alabama



14.

14. International Symposium on Superalloys Scholarship

"I am extremely honored and grateful to receive the TMS Superalloys Scholarship. I would like to thank TMS for recognizing my academic achievements and providing a platform where students can freely network and exchange information with scientists and engineers from all over the world. I would also like to gratefully acknowledge Professor Alan Atkinson, Dr. Hiroshi Harada, and Professor Roger Reed for their invaluable support and guidance throughout my postgraduate research studies."

Rudder TC Wu, Imperial College, London



15.

15. International Symposium on Superalloys Scholarship

"I am grateful for this award and truly appreciate the financial support to further my education and research. It will assist me in attaining my scientific goals in the area of high temperature superalloy research as well as in broadening my skills and knowledge in the field of Mechanical Engineering."

Kimberly Maciejewski, University of Rhode Island

A STUDENT MEMBER'S GUIDE: (CONTINUED)

Author's Coffee the morning they are scheduled to monitor a session to receive any last-minute instructions from session chairs. In return, student monitors are paid \$40 per session to help defray the cost of their conference expenses.

- **Nominate a Colleague or Apply for a TMS Scholarship or Award:** TMS offers seven scholarships for student members, as well as outstanding paper contests for graduate and undergraduate students, and other awards. TMS student members may apply for up to three scholarships each. The amount of each award differs, but most provide cash and travel allowances that enable students to attend a TMS meeting to receive the award. TMS students can use the new on-line nomination form to nominate a colleague, professor, or mentor for a particular award. The form can be found on the Professional Recognition Program home page at www.tms.org/society/tmsawards.aspx. TMS students can also serve as award judges. To become a judge, a student member must be appointed to an award committee. Each society-level award for TMS professional members has its own selection committee.

TMS relies upon its volunteer members to create and guide a great many of the society's activities. TMS meetings, publications, and short courses would not exist without the efforts of the volunteer members who contribute papers, organize topics, and lend their expertise. All volunteer activities are open to any interested individuals, regardless of committee affiliation.

FOR MORE INFORMATION . . .

. . . On participating in any TMS student activities or forming a Material Advantage student chapter, contact **Nate Natale**, TMS student and professional affairs administrator, at natale@tms.org. TMS is part of the Material Advantage student program, which provides students with access to the resources of the American Ceramic Society, ASM International, the Association for Iron & Steel Technology, and TMS for \$25 per year.