

PROFESSIONAL PREFACE

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

TMS INTRODUCES GRADUATE SCHOLARSHIP FOR 2012

This issue of *Professional Preface* spotlights a number of undergraduate students who have been awarded TMS scholarships in 2011, but until now, only limited scholarship opportunities have been available specifically for graduate students. In 2012, that will change with the introduction of the Henry Dewitt Smith Scholarship.

This new award offers two \$2,500 scholarships to graduate students in the field of mineral, metals, and/or materials engineering, as well as additional \$500 travel stipends for recipients who choose to personally accept their awards at the TMS Annual Meeting & Exhibition.

While most other TMS scholarships are funded by the TMS Foundation, the Henry Dewitt Smith Scholarship is funded by the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME), of which TMS is a member society. Smith, who worked in the mining industry from 1913 until his retirement in 1953, served as a president of both AIME and TMS.

Applications will be accepted for the Smith scholarship through March 15. For more information on how to apply, visit www.tms.org/Students/Scholarships.aspx.

APPLY FOR 2012 SCHOLARSHIPS AND BEST PAPER AWARDS

To apply for any of the scholarships listed in this issue of *Professional Preface*, visit the TMS Student Scholarship website at www.tms.org/Students/Scholarships.aspx. Through this site, students can access a PDF file of the Scholarship Application and Scholarship Recommendation forms, which must be completed and returned to TMS (by e-mail or postal mail) by **March 15, 2011**.

To apply for the TMS Best Paper Contest, visit www.tms.org/students/bestpapers.aspx. This contest is open to both graduate and undergraduate students. Students submit essays on global or national issues as well as technical research papers relating to any field of metallurgy or materials science. Papers should display original thought, creativity, and a comprehensive bibliography. All papers must be submitted by **May 1, 2011** for the 2012 contest. Cash prizes of \$1,000 to the first-place winners and \$500 to the second place winners are awarded in both the undergraduate and graduate categories.

2011 STUDENT AWARD WINNERS

Each year, the TMS Foundation and TMS technical divisions fund scholarships and awards to help students pursue their academic goals. The following student members received this year's awards.



1. TMS J. KEITH BRIMACOMBE PRESIDENTIAL SCHOLARSHIP

"To be the recipient of the J. Keith Brimacombe Presidential Scholarship is such a prestigious honor. As I complete the remainder of my education, this financial award will alleviate the large amount of expenses that are associated with college. By the help of TMS and other individuals interested in materials science, I have been encouraged to pursue my degree. I

will continue to be involved with TMS as I begin my career."

Teneil Kay Ryno, South Dakota School of Mines & Technology



2. TMS BEST PAPER CONTEST, GRADUATE DIVISION, FIRST PLACE

"It is my great honor to be awarded the TMS Graduate Student Best Paper. During my three years as a student member, I have been provided great opportunities to attend meetings, give oral presentations, discuss scientific issues with scholars, and learn professional skills at various symposia. TMS is important to my research and career development. I would like to thank my

academic advisor, collaborating professors, and the peers in our group for the help and guidance on my research."

Shenyan Huang, University of Tennessee



3. TMS BEST PAPER CONTEST, GRADUATE DIVISION, SECOND PLACE

"TMS has been very supportive of me over the past several years of my student membership, allowing me to travel to several conferences, pay for my undergraduate degree, get involved with the organization, and participate in competitions. TMS is a great organization and it is a great honor for my research to be recognized through this contest. I hope that I can continue

to be involved with TMS as I graduate and begin my career."

Lisa Deibler, Case Western Reserve University



4. TMS BEST PAPER CONTEST, UNDERGRADUATE DIVISION, FIRST PLACE

"It is truly an honor to receive the award for Best Paper as an undergraduate in Materials Science. Personally, it is a humble indication of my progress as a student and my development in becoming an engineer. It has motivated me in many ways. I would like to thank TMS for this award as it is a generous recognition of

a student's effort and enthusiasm towards a discipline of his study."

Daniel Bairos, McGill University



5. ELECTRONIC, MAGNETIC & PHOTONIC MATERIALS DIVISION GILBERT CHIN SCHOLARSHIP

"Thank you so much for the TMS Electronic, Magnetic & Photonic Materials Division Gilbert Chin Scholarship. I am extremely honored to join previous recipients in accepting such a prestigious award. TMS has been instrumental to my success in pursuing a degree in materials engineering. As a member of Material Advantage, TMS's student counterpart, I've had the opportunity to network with other students and professionals, to attend conferences, and to gain exposure to new opportunities in the field. These invaluable experiences have helped prepare me to embark upon graduate studies and eventually a career in materials engineering. Your support of these goals is greatly appreciated."

Rachel Ferebee, Rensselaer Polytechnic Institute

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6. EXTRACTION & PROCESSING DIVISION SCHOLARSHIP

"I would like to thank TMS for awarding me the EPD Scholarship. TMS has helped me in many ways throughout my studies, from updating me on current research trends via the monthly newsletter, to providing discounts on hot-off-the-press books. With this scholarship, TMS helps me to pay my tuition and gives me a broader view of the materials community by

bringing me to an international conference. For this, TMS, thank you!"
Dmitri Nassyrov, McGill University



7. EXTRACTION & PROCESSING DIVISION SCHOLARSHIP

"Membership in TMS has been a valuable experience as an undergraduate student, as it has exposed me to many different paths within materials science. This recognition by TMS has made me confident that I am on the right path and that I am constantly supported by my superiors, colleagues, and the materials community as a whole."

Patrick Bowen, Michigan Technological University



8. EXTRACTION & PROCESSING DIVISION SCHOLARSHIP

"I am very grateful for the support of TMS and the opportunities that have been afforded to me as a student. My membership in TMS has provided excellent opportunities and networking within the metals and materials community and has given me great confidence as I look to finish my degree and move on to various opportunities. I look forward to an

association with the society throughout my career."

Ryan Morrison, University of Utah



9. EXTRACTION & PROCESSING DIVISION SCHOLARSHIP

"I am very grateful for the opportunity by TMS to help further my education. This scholarship will help me stay motivated to excel in my academics. I look forward to contributing to this organization and the metallurgical engineering community in the future. I am very excited to attend the TMS conference in February to

broaden my exposure of the industry."

Abraham Jurovitzki, University of Utah



10. LIGHT METALS DIVISION SCHOLARSHIP

"This award means more than a simple cash prize to me. It means that I will be able to pursue an education that will bring me one step closer to being self-sufficient, and furthermore, to return the kindness and generosity that has brought me so far. This award will be a wonderful opportunity to network with those in my chosen profession through TMS."

James Cameron Haley, Clemson University

11. LIGHT METALS DIVISION SCHOLARSHIP

"It is an honor for me to be chosen as a recipient of the TMS LMD Scholarship. This support not only provides me with funds for pursuing my education, but also gives me motivation for working harder to achieve new and exciting results in the field of light metals. Thank you, TMS! I would also like to thank Dr. In-Ho Jung for initiating me to this field."

Dmitri Nassyrov, McGill University



12. LIGHT METALS DIVISION SCHOLARSHIP

"Words cannot describe the euphoria I felt when I found out that I had been selected by The Minerals, Metals & Materials Society Light Metals Division as an LMD scholar for the year 2011. At that moment I could feel how my horizons were broadened, opening so many doors before my eyes. Only a few of the myriad

talented applicants are selected by this prestigious award annually, so I was a bit surprised to be one of the scholarship recipients. For this I am indubitably grateful, because it means that all my hard work and the encouragement of my parents and mentors has not been in vain. Now, I am definitely closer to fulfilling my dream of pursuing a doctoral degree in materials science to enter academia, so that one day I can be as good an advisor as my research mentor Dr. O. Marcelo Suárez."

Nayomi Z. Plaza Rodriquez, University of Puerto Rico



13. MATERIALS PROCESSING & MANUFACTURING DIVISION SCHOLARSHIP

"College is a huge financial endeavor, particularly by the conclusion of a degree program. The TMS Materials Processing & Manufacturing Division Scholarship Award is a significant contribution to my education. I have interest in continuing on to graduate school, and scholarships such as this allow me financially to

continue with my studies. With this scholarship I will be able to better focus on continuing my educational growth rather than funding it."

Michael Renkoski, Missouri University of Science & Technology



14. MATERIALS PROCESSING & MANUFACTURING DIVISION SCHOLARSHIP

"I am very honored to receive this award. To me, it represents a positive acknowledgement of my actions and accomplishments up to this point as well as an encouragement to continue working hard towards my future goals."

Ryan Need, Clemson University



15. STRUCTURAL MATERIALS DIVISION SCHOLARSHIP

"The Structural Materials Division Scholarship is very important to me. By providing financial support, this award helps me to achieve my academic goals, which are first to finish my bachelor degree in materials science and engineering (MSE), and then to apply for a Ph.D. program. I am very grateful to TMS for their generosity in awarding me this scholarship."

It represents a significant contribution to my future in the field of MSE."
Benjamin Revard, Washington State University



16. STRUCTURAL MATERIALS DIVISION SCHOLARSHIP

"This award has given me the courage to be more successful in my academic and research life because it really supports me to reach my achievements. I am proud to be one of the winners of the TMS scholarship. Being a TMS member has been very helpful for me and for any student who looks forward to being a successful scientist and engineer. Every moment I spend at the TMS

conference is a big experience that teaches me a lot of what I need and what I am looking for. Thank you very much for your support."

Mohamad Zbib, Washington State University