

# PROFESSIONAL PREFACE

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

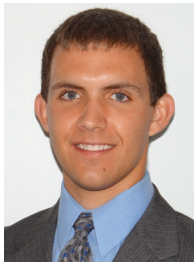
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## 2013 UNDERGRADUATE STUDENT AWARD WINNERS

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

### 1. TMS J. KEITH BRIMACOMBE PRESIDENTIAL SCHOLARSHIP



"It is a great honor to receive this award. The recognition from a respected society like TMS is an encouraging boost as I prepare for my career in materials science, and the award will really help me finish my academic career in good financial standing. Thank you to all who helped make this award a possibility and to those who helped me get here, especially my advisor, Dr. John Lewandowski."

**Bradley Potter, Case Western Reserve University**

### 2. ELECTRONIC, MAGNETIC & PHOTONIC MATERIALS DIVISION GILBERT CHIN SCHOLARSHIP



"For me, Material Advantage (MA) is a way to connect with individuals on campus who are interested in glass and ceramics in both professional and creative ways. Through events at Alfred we are able to bring a better understanding of what engineers do and how materials affect everyone's life. Material Advantage is also a great way to connect with professional engineers and students at different universities at national events such as MS&T. I've enjoyed the relationships I've built and the different aspects

of my education MA has helped me to strengthen."

**Samuel Miller, Alfred University**

### 3. EXTRACTION & PROCESSING DIVISION SCHOLARSHIP



"Material Advantage as a whole has allowed me to explore the options within a very distinct study. Our world, specifically the materials and metallurgical sciences, is small. Making connections to industry and researchers through Material Advantage has been an amazing journey. The Extraction & Processing Division scholarship is more than just a simple monetary award. It creates an opportunity for me, and the other students who have received it, to have the world open up. An award like

this allows me to go to graduate school, whether or not it is fully funded. This means that I have the potential to study abroad, outside of the United States, and bring back the knowledge from other areas of the world."

**Jordan Rutledge, Colorado School of Mines**

### 4. LIGHT METALS DIVISION SCHOLARSHIP



"Being a member of Material Advantage has been very rewarding. I have been able to make connections with various professors and people from industry. I have also been exposed to many wonderful opportunities, such as student competitions and scholarships. I am thankful for winning the Light Metals Division Scholarship Award. It is an honor to be recognized for your hard work and accomplishments as a college student."

**Aerial Murphy, University of Alabama**

### 5. LIGHT METALS DIVISION SCHOLARSHIP



"I feel incredibly honored to have been selected for the Light Metals Division Scholarship. It is a very exciting experience to have been recognized by a national materials organization for my academic merits. My last year of undergrad will be much more manageable and stress-free now that financial weight has been lifted. Because of this, more of my time can be spent in search of graduate programs and furthering my educational goals. More than just this, I look forward to a long relationship

with the members of TMS, especially those of the Light Metals Division."  
**Rodney Lee Jones, Jr., Ohio State University**

### 6. LIGHT METALS DIVISION SCHOLARSHIP



"This award is helpful in several ways. It will greatly help with the costs of tuition and will be beneficial academically and professionally. It motivates me to achieve a deeper understanding of my project and to obtain more information and results that I can present to others. Similarly, a Material Advantage membership puts me in contact with others who are completing interesting projects in a wide variety of materials-related fields."

**Marissa Lafata, University of Michigan**

### 7. MATERIALS PROCESSING & MANUFACTURING DIVISION SCHOLARSHIP



"Having the opportunity of traveling across the nation to hear first-hand about the most innovative type of materials science and engineering research is fantastic, and only possible with these types of awards. Yes, we are receiving money, but along with it we receive the greater experience of meeting fellow undergrads and researchers who might have the same interest as us. This award is much more than money, and along with being a member of Material Advantage, enhances my experience as

an undergrad. I will definitely keep my membership going for a long time due to all the benefits and outreach possibilities it provides. Thank you."

**Veronica Perez, Washington State University**

### 8. MATERIALS PROCESSING & MANUFACTURING DIVISION SCHOLARSHIP



"I am honored and grateful to accept the 2012-2013 TMS Materials Processing & Manufacturing Division Scholarship. This scholarship will allow me to finish my bachelor's degree in materials engineering with a minor in entrepreneurial studies at Iowa State University in May. My Material Advantage membership has given me the opportunity to network with industry professionals at the Columbus, Ohio 2011 MS&T conference, secure an internship this summer at Owens

Corning, and visit the U.S. capital during Congressional Visit Days 2012. I want to sincerely thank all the industry sponsors, TMS staff, and Material Advantage professional members for their support."

**Bradley T. Williams, Iowa State University**

## 2013 UNDERGRADUATE STUDENT AWARD WINNERS (Continued)

### 9. STRUCTURAL MATERIALS DIVISION SCHOLARSHIP



*"It is an honor to have been awarded a scholarship from TMS to assist in tuition payment. It means a lot to know that I am being rewarded for my hard work and dedicated involvement on campus. I enjoy being a part of Material Advantage because I am able to connect with other classmates and professionals with similar academic interests. Being a member helps me stay updated with the latest technologies, provides opportunities to attend materials conferences, and supports networking with professional engineers. Material Advantage has helped me appreciate the materials community and realize how rewarding and exciting the field is."*

**Chelsea Ehlert, Rensselaer Polytechnic Institute**

### 10. STRUCTURAL MATERIALS DIVISION SCHOLARSHIP



*"I am very grateful for the opportunities Material Advantage provides students. As an undergraduate, networking with all the organizations under the Material Advantage umbrella allows one to find his/her passion in the broad spectrum of the materials science field. It is an honor to receive the Structural Materials Division Scholarship. This award will help alleviate some of my financial burdens and will provide an excellent learning opportunity to attend TMS2013."*

**Alexander Lohse, Purdue University**

## 2013 GRADUATE STUDENT AWARD WINNERS

*The following graduate students have been recognized for their achievements:*

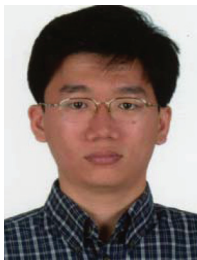
### TMS BEST PAPER CONTEST, GRADUATE DIVISION, FIRST PLACE



*"This award significantly encourages me to do more research in the field of Materials Science. I will feel more confident to solve challenging problems in academia. This award will also support me to present my work at the TMS 2013 Annual Meeting in San Antonio. With four different professional societies, the Material Advantage Student Program not only promotes my knowledge of materials, but assists me in my academic endeavors."*

**Chen Sun, Texas A&M University**

### TMS BEST PAPER CONTEST, GRADUATE DIVISION, SECOND PLACE



*"To win this student best paper contest award is a special thrill to me. It represents the committee's recognition of my research in this subject. It gives me more incentive to maintain a high standard for my academic career."*

**Chih-Pin Chuang, University of Tennessee**

### HENRY DEWITT SMITH SCHOLARSHIP



*"I would like to thank TMS for awarding me the Henry deWitt Smith Scholarship. TMS gave me the opportunity to always be aware of the latest news in the materials world thanks to JOM and the newsletter. I was also given the opportunity to learn and connect during the TMS annual meetings I have attended. Now, with this award, TMS alleviates my tuition fees and gives me the chance to attend yet another excellent conference. For all of this, I am very grateful to TMS."*

**Dmitri Nassyrov, McGill University**

### HENRY DEWITT SMITH SCHOLARSHIP



*"I am honored to be a recipient of the Henry deWitt Smith Scholarship and would like to take this opportunity to thank the selection committee for choosing me for this prestigious award. I appreciate their confidence in me and willingness to contribute to my future education. It is so gratifying to know that my hard work and efforts have been noticed and appreciated. These funds will help quite significantly with many of my ongoing research projects.*

*Receiving this scholarship will help reduce my financial burdens and provide assistance for me as I continue pursuing my education."*

**Niaz Abdolrahim, Washington State University**

## TMS AWARDS SUPERALLOYS SCHOLARSHIPS AT MS&T'12

*At the Materials Science and Technology 2012 conference (MS&T'12), TMS presented the International Symposium on Superalloys Scholarship to two Material Advantage students. The two \$2,000 scholarships are funded annually by the Organizing Committee of the International Symposium on Superalloys and are available to undergraduate and graduate students majoring in metallurgical and/or materials science and engineering with an emphasis on the high-temperature, high-performance materials used in the gas turbine industry and all other applications. This year's winners were:*

#### Michael Titus, University of California

*"I am grateful to be receiving the Superalloys Scholarship award, and would like to thank TMS and Material Advantage for providing the scholarship and selecting me as one of the recipients. The award has allowed me to look back on my experience thus far in the superalloys community and consider my future direction. It provides a renewed vigor to continue my studies and further contribute to the field. Receiving the award has capped off an incredible first two years of my graduate studies at the University of California Santa Barbara, and I hope to be able to continue with a steadfast work ethic."*

#### Max Kaplan, University of Florida

*"Material Advantage membership provides me with vast networking*

*and professional development opportunities, as well as the ability to attend conferences and expand the scope of my academic knowledge. This award provides me with a sense of recognition and affirmation concerning my doctoral research, which I feel is invaluable."*

### MORE SCHOLARSHIPS FROM TMS

The Superalloys Scholarship is one of many offered by TMS. In total, the society awards students more than \$40,000 each year for excellence in all areas of materials science and engineering. For a complete list of TMS scholarships, visit [www.tms.org/Students/Scholarships.aspx](http://www.tms.org/Students/Scholarships.aspx).

The deadline to apply for 2014 scholarships is March 15, 2013.