

# PROFESSIONAL PREFACE

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

## TMS PRESIDENT SHARES RECRUITING STRATEGIES AND BENEFITS OF PROFESSIONAL SOCIETIES WITH STUDENT CHAPTERS

During visits to two relatively new Material Advantage student chapters, 2005 TMS President Tresa Pollock shared her thoughts on the value of materials societies and offered suggestions on how students can generate interest in their chapter activities. In November and December, Pollock addressed students at Florida International University and the University of Nevada at Las Vegas on the topic, "Professional Societies: What Can They Do for You?"

Pollock, a professor at the University of Michigan, is actively involved in her school's student chapter. To attract students to meetings, the Michigan chapter invites potential employers to talk with students. If students find the company an appealing potential employer, they will attend the talk. Meeting on a regular basis is also important to the success of a student chapter, according to Pollock. The Michigan group holds weekly luncheons with invited speakers from both within and outside of their school's technical community.

Students who belong to Material Advantage student chapters should also take advantage of the benefits offered outside of their own schools. Pollock encourages students to attend events that facilitate networking with professional members, such as the 2006 TMS Annual Meeting in March, Congressional Visits Day in the spring, and the Materials Science and Technology 2006 conference in the fall.

The benefits of networking and involvement in technical societies extend beyond the college years, however, and Pollock introduced students to programs available to them after graduation. Recognizing that expenses can be tight for recent graduates, TMS offers its student members a one-year professional membership free of charge, with reduced dues for the second and third years following graduation. Recent graduates can also become active in the TMS Young Leaders committee, a group of professional TMS members under the age of 35 who schedule programming and provide opportunities for expanded leadership roles within the society. (For more on this group, see *The Young Leader* newsletter in this issue of the journal.)

"Professional societies are more important than ever in this era of globalization," Pollock said. "Students need to get involved as early as possible."

## DID YOU KNOW . . . ?

The average starting salary for a materials engineer in 2005 was \$51,372, according to the National Association of Colleges and Employers. For more on engineering salaries, read "Tracking the 2005 AAES Engineering Salary Survey" in the December issue of *JOM* on-line ([doc.tms.org](http://doc.tms.org)). Use your member number and birthdate to log in to the TMS Document Center and download this and other articles from past issues of the journal.

## TMS NAMES CHAPTERS OF EXCELLENCE

**Most Outstanding**  
Iowa State University

**Chapters of Excellence**  
Florida International University  
South Dakota School of Mines  
Washington State University  
Indian Institute of Technology, Madras  
Virginia Polytechnic Institute and State University

## 2006 STUDENT AWARD WINNERS

In 2006, the TMS Foundation and TMS technical divisions funded scholarships and awards to help students pursue their academic goals. The following student members received this year's awards. For information on applying for the 2007 student scholarships and awards, visit [www.tms.org/Students/Awards.html](http://www.tms.org/Students/Awards.html).



1.

### 1. TMS J. Keith Brimacombe Presidential Scholarship

"I am honored to win the 2006 J. Keith Brimacombe TMS Presidential Scholarship. This award facilitates the continuation of my education in materials science. I would like to thank Dr. Irma Talmy and Dr. Jim Zaykoski of the Naval Surface Warfare Center, Carderock Division, for introducing me to materials science and Dr. Brent Fultz, Dr. Bill Johnson and Dr. Dale Conner of the California Institute of Technology for guiding me through my materials science education and research. I plan on becoming a socially responsible materials scientist."

Rachel Maire, California Institute of Technology



2.

### 2. TMS Outstanding Student Paper, Undergraduate Division, First Place

"I am incredibly honored to receive this award. The recognition is greatly appreciated and makes all the hard work even more satisfying. This award has also given me the confidence to pursue graduate studies—a path I was previously unsure about. The support and acknowledgment that TMS gives all students is amazing and really makes a difference in peoples' lives. Thanks."

Richard Meguerian, McMaster University



3.

### 3. TMS Outstanding Student Paper, Undergraduate Division, Second Place

"This award is very meaningful to me, as it rewards the hard work that went into my research. I am really honored to have my work chosen for such a prestigious award."

Cary Pint, University of Northern Iowa



4.

### 4. TMS Outstanding Student Paper, Graduate Division, First Place

"The TMS Outstanding Graduate Student Paper award is a dream come true for me."

Anil Kurella, University of Tennessee



5.

### 5. TMS Outstanding Student Paper, Graduate Division, Second Place

"I am honored to receive this award, having seen the quality of past graduate student papers that have received this award. It is a great feeling to have my paper counted among them. I feel that TMS and other professional societies are very important in a graduate student's career development, and providing these accolades not only encourages individuals but helps promote quality research within their respective schools."

Rajen Sidhu, Arizona State University

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## STUDENT AWARD WINNERS (CONTINUED)



### 6. Electronic, Magnetic & Photonic Materials Division Gilbert Chin Scholarship

*"This award is a great honor to me; it symbolizes the reward of dedication and motivates me to reach higher. Yet, I know this award would not have come without the help of many great people. Thank you."*

**David Gray, Massachusetts Institute of Technology**



### 7. Extraction & Processing Division Scholarship

*"I am honored to have been selected as one of the TMS Extraction & Processing Division award recipients. It is truly encouraging to feel this kind of support as a student. This award acknowledges my efforts, consequently giving me additional incentive to work hard. Financially, this award will help fund my education, giving me more time to focus on school."*

**Michael Bonici, McGill University**



### 8. Extraction & Processing Division Scholarship

*"I feel very fortunate and privileged to have been selected to receive this scholarship. I am grateful for the support from TMS that provides financially for my education and allows me to pursue my degree in Metallurgical Engineering. It is a great honor to be recognized in this way and I would like to thank TMS for all its assistance in helping me fulfill my goals."*

**Deborah Carlson, South Dakota School of Mines**



### 9. Extraction & Processing Division Scholarship

*"It's wonderful to have my academic diligence and extra curricular involvement recognized; it not only provides financial support, but more importantly provides recognition and additional motivation to continue my pursuit of excellence in the materials field."*

**Daimon Heller, University of Missouri-Rolla**



### 10. Extraction & Processing Division Scholarship

*"I would like to thank the TMS EPD committee for selecting me to receive this award. I am very honored to have been chosen. I plan to put this money toward offsetting the costs of my education."*

**Richard Vance, Washington State University**



### 11. Light Metals Division Scholarship

*"I feel extremely honored to receive the TMS/LMD Scholarship at an undergraduate level. Personally, I am very thankful to TMS for appreciating my work and talent. This award has brought into me a new enthusiasm and energy for my work. I would also like to thank my institute, Indian Institute of Technology-Kanpur (IIT Kanpur), and my supervisor Prof. R. Balasubramian whose persistent guidance has brought me to this level of understanding. Without them, it would have been impossible for me to get this award. I would really appreciate the idea of TMS to provide scholarships to the talents spread in different corners of the world. This really helps budding talents to come up and dive into the deepest of this field. This award has brought into me a feeling of doing something which, one day, becomes a great contribution to the field."*

**Vipul Badjatya, Indian Institute of Technology-Kanpur**



### 12. Light Metals Division Scholarship

*"It is an honor for me to be the first student of my university to receive the TMS Light Metals Division Scholarship. For me, this award represents hard work and dedication transformed into opportunities and recognition. This award will help me to continue focusing my studies in the area of materials science in Puerto Rico."*

**Ruth Hidalgo-Hernandez, University of Puerto Rico**



### 13. Light Metals Division Scholarship

*"I am honored to accept the TMS Light Metals Division Scholarship when I know that there are so many others who are deserving and talented. This scholarship will allow and inspire me to focus on my education and research. I would like to thank Dr. David Seidman and Keith Knippling for their support."*

**Constance Lee, Northwestern University**



### 14. Structural Materials Division Scholarship

*"As a student, it is a rare distinction to receive the recognition of a professional organization as illustrious as TMS. For this reason, it is my great honor and privilege to accept the 2006 SMD scholarship award. Not only does it validate my efforts in materials engineering to date, but it also encourages me to continue to remain ambitious and hardworking in the future. I am extremely grateful to TMS for this award and deeply indebted to the professors at my university who have guided my development as a student and an engineer."*

**Douglas Romanoff, Brown University**



### 15. Structural Materials Division Scholarship

*"I am honored to receive this award and have my scholarly and leadership achievements recognized. I consider it quite an accomplishment and am very proud of being named a TMS Structural Materials Division Scholar. This scholarship will significantly ease my financial burden during my final year of undergraduate work. The support of my undergraduate education through support of the WSU Material Advantage student chapter and now this scholarship by TMS has been a tremendous benefit to me. I am very grateful to TMS for this support."*

**Jonathan Winterstein, Washington State University**



### 16. 2005 International Symposium on Superalloys Scholarship

*"TMS has played a pivotal role in my professional development throughout graduate school, providing me valuable opportunities to present my research and meet professionals from all over the world. After four years of superalloy research, to be recognized by TMS with this scholarship is a great honor. I hope to continue my involvement as I transition into industry."*

**Elyssa Cutler, University of Florida**



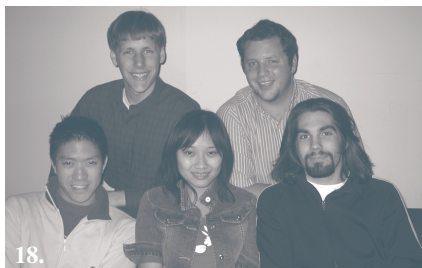
### 17. 2005 International Symposium on Superalloys Scholarship

*"I am truly honored to have been selected as a recipient of the TMS Superalloys Scholarship. This award will be instrumental in helping me further my interest and studies in materials for gas turbine blades and high-performance alloy applications. Thank you to TMS for their invaluable, generous support of student activities."*

**Jennifer Cutting, University of British Columbia**

## FOR MORE INFORMATION . . .

. . . On participating in TMS student activities, contact Chris McKelvey, TMS member services & student affairs coordinator, at [cmckelvey@tms.org](mailto:cmckelvey@tms.org).



### 18. Materials Science and Engineering Undergraduate Student Design Competition Award

*"An acknowledgement of our perseverance, ceaseless effort, and endless quests . . ."*

**Mark Rocco, Northwestern University**

Seated (from left to right): Kevin Lee, Chiew Yen Thai, Mark Rocco. Standing (from left to right): Charles Moore, Benjamin Mangrich.