

N MATERIALTM ADVANTAGE

The Student Program for Materials Science and Engineering



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□ WHAT IS MATERIAL ADVANTAGE?

- A program specifically created for undergraduate and graduate students enrolled in materials science engineering programs at universities worldwide, to combine the individual benefits of four societies into one great advantage to students at one low-cost (\$30) membership fee

□ WHO ARE THE PARTNERS OF MATERIAL ADVANTAGE?

- The American Ceramic Society (ACerS)
- The Association for Iron & Steel Technology (AIST)
- ASM International® (ASM)
- The Minerals, Metals, & Materials Society (TMS)

□ WHO RUNS THE MATERIAL ADVANTAGE PROGRAM?

- The Material Advantage Committee (MAC)
- Comprised of four volunteer members from each partner society to guide the program
- One staff representative from each partner society for program administration



Staff Representative:

- Tricia Freshour (tfreshour@ceramics.org)

Material Advantage Responsibilities

- Material Advantage Website/Special Programs



□ Staff Representative:

- Chris McKelvey (cmckelvey@aist.org)

□ Material Advantage Responsibilities

- Marketing and Promotion



**The Materials
Information Society**

Staff Representative:

- Candace Cunningham
(students@asminternational.com)

Material Advantage Responsibilities

- Chapter Administration

TMS

□ Staff Representative:

- Bryn Simpson (bsimpson@tms.org)

□ Material Advantage Responsibilities

- Membership/Database Management

□ WHO ELSE IS A MEMBER OF MATERIAL ADVANTAGE?

- There are currently 3,000 individual members of Material Advantage
- Members are from 378 universities around the world
- There are currently 73 active Material Advantage Chapters

□ WHY BECOME A MEMBER OF MATERIAL ADVANTAGE?

- Stay up-to-date on partner society updates about events and activities
- Get the needed edge in the global job market
- Learn and sharpen skills necessary for a successful engineering career
- Develop leadership skills

□ WHAT OPPORTUNITIES DOES MATERIAL ADVANTAGE OFFER?

- Networking
- Information Resources
- Financial
- Future



□ Networking

- Take advantage of all networking opportunities at MS&T and individual partner conferences and meetings
- Meet future employers and learn about career possibilities in the materials community
- Meet fellow students who will make a difference now and in your future

□ Information Resources

- Electronic access to monthly magazines and rotating mailed edition; *American Ceramic Society Bulletin*, *Iron & Steel Technology*, *Advanced Materials & Processes*, and *JOM*
- Material Advantage Newsletter
- On-line access to publications, libraries, technical papers and reference sources
- Unlimited, free use of Linda Hall Library, the largest technical library in the world

□ Financial

- Access to over \$600,000 in scholarships and grants annually
- Discount on conference registration fees
- Win cash prizes in Material Advantage and partner society contests
- Travel grants for chapters to MS&T and partner society conferences and events
- Earn money as a session monitor at conferences

□ Future Opportunities

- One year complimentary membership to each partner society following graduation
- Internship and employment opportunity
Web sites offered by each partner
- A life time of success



□ WHAT DOES A MATERIAL ADVANTAGE CHAPTER DO?

- Meet other engineering students in your school and at conferences
- Start forming a network of contacts now
- Enter Material Advantage contests and challenges
- Mentor K-12 future materials science engineers
- Travel grants available to chapters

- **WHAT DOES A MATERIAL ADVANTAGE CHAPTER DO? (cont.)**
- New Chapters receive \$150 start-up funds
- Annual rebate of \$5 per active member
- Hold meetings and activities, technical or social
- Recruit new members
- Chapter recognition through Material Advantage awards and challenges; Chapters of Excellence, Membership Challenge, Conversion Challenge

□ WHAT IS MS&T?

- Materials Science & Technology Conference and Exhibition
- Materials conference organized by the four partner organizations of Material Advantage.
- Held annually in the Fall
- Maximum opportunities for Material Advantage members for networking, learning and fun

□ WHAT'S AT MS&T FOR STUDENTS?

- Chapter Leadership Workshop for chapter officers followed by a social event
- Information sessions on graduate school, networking, resume building, career tips, career forum, etc.
- Career Connection recruiting event
- Contests; Speaking Contest, Undergraduate and Graduate Poster Contest, Mug Drop Contest, Putting Contest
- Student Networking Mixer

□ WHO SHOULD I CONTACT IF I HAVE QUESTIONS ABOUT MATERIAL ADVANTAGE?

Any of the four partner society staff representatives can answer your questions

- Tricia Freshour (ACerS) at 614-794-5827
- Chris McKelvey (AIST) at 724-814-3076
- Candace Cunningham (ASM) at 440-338-5151, x5527
- Bryn Simpson (TMS) at 724-814-3172

N MATERIAL™ **ADVANTAGE**

The Student Program for Materials Science and Engineering

You will see the value of membership to Material Advantage through the many opportunities for your personal development and the long-term benefits of building your career foundation right now!

Take *ADVANTAGE* of Your *FUTURE*

Networking

Career Connections

Professional Development

Financial Awards

Contests

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For more information visit the Material
Advantage Web site at
www.materialadvantage.org.

