

Give Your Future the Real Advantage!



Networking



Contests



Career Connections



Financial Awards



Congressional Visits



Professional Development



N MATERIAL™
ADVANTAGE

The Student Program for Materials Science and Engineering

WHAT IS MATERIAL ADVANTAGE?

Material Advantage is a student program specifically created for undergraduate and graduate students enrolled in materials science, engineering and other technical engineering programs at universities around the world.

The \$30 membership fee provides a single low-cost membership, giving full membership access to four materials science and engineering professional societies:

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

The value of Material Advantage is in the opportunities for your personal development and the long-term benefits of building your career foundation right now.

Once you've become a Material Advantage member, you'll quickly see that it's the doorway to a fulfilling career in materials science and engineering!

WHO RUNS THE MATERIAL ADVANTAGE PROGRAM?

The Material Advantage program combines the individual benefits of each society into one great advantage for students. The Material Advantage Committee (MAC), comprised of four volunteer members from each partner organization, oversees this program. Each partner has a staff member assigned to the Material Advantage team who carries out the day-to-day administration:

- ACerS organizes contests, conducts special programs and maintains the Material Advantage website at MaterialAdvantage.org.
- AIST provides the e-newsletter and marketing services to promote the Material Advantage program.
- ASM provides Material Advantage chapter administration.
- TMS provides Material Advantage membership services.



Maximize your advantage.
MaterialAdvantage.org



Give Your *FUTURE* The Real *ADVANTAGE!*

BECOME A MEMBER OF MATERIAL ADVANTAGE

Through your Material Advantage membership, you will:

- Stay up to date on society activities, including scholarships, conferences, workshops, publications and contests.
- Get a much-needed edge in the global job market: the knowledge, experience and networking you need to begin your career successfully.
- Learn and sharpen the skills you need to become a successful engineering professional and a future leader.
- Receive free online access to technical papers from the partner organizations.





WHAT OPPORTUNITIES DOES MATERIAL ADVANTAGE OFFER?

Be sure to take ADVANTAGE of all the opportunities.

Networking

- Attend the Materials Science & Technology Conference and Exhibition (MS&T) conference each year. MS&T brings together scientists, engineers, students, suppliers and others to discuss current research and applications, and to shape the future of materials science and technology. This is the premier event that allows you to make the contacts you need for your career.
- Attend individual conferences and meetings held by ACerS, AIST, ASM and TMS, and take advantage of all the networking opportunities provided. Meet professionals who can help in your studies and your career.
- Meet fellow students by starting or joining the Material Advantage chapter at your school.

Information resources

- Members will receive three issues of each of the four partners' major publications, mailed on a rotating schedule: *American Ceramic Society Bulletin*, *Iron & Steel Technology*, *Advanced Materials & Processes*[®] (including *ASM News*) and *JOM*.
- Convenient access to every issue of all four partners' publications online.
- Keep up to date through the Material Advantage Newsletter! Emailed to all student members six times per year, this electronic newsletter provides information on current and upcoming programs, society events, and achievements of faculty and students.
- Keep up to date with activities of each partner organization through monthly communication.
- Online access to many of the partners' publications, libraries, technical papers and reference sources.
- Receive special discounts and offers from each partner on many technical books and journals.
- Connect with individual members for ideas and answers through member directories from each partner organization. Search by name, geographic location, chapter location, technical interest and more.
- Receive unlimited, free use of Linda Hall Library, the largest technical library in the world.



Financial

Through the Material Advantage program, there are many financial opportunities to help students fund their education expenses and networking experiences.

- Material Advantage is a single stop for more than \$600,000 in scholarships and grants every year through the partners and their foundations.
- Student members are offered large discounts on conference registration fees.
- Apply for travel grants and session monitor positions offered at conferences held by ACerS, AIST, ASM and TMS.
- Compete in Material Advantage contests and partner contests held at various conferences, for visibility and awards.

Future opportunities

- Upon graduation, take advantage of one year of free membership offered by each society: ACerS, AIST, ASM and TMS.
- Looking for an internship or that first job after graduation? Internship and employment opportunity websites are offered by each partner organization.

WHAT DOES A MATERIAL ADVANTAGE CHAPTER DO?

Get involved in or start a Material Advantage chapter at your university to meet other engineering students and professionals. It's a great way to make new friends and start forming a network of contacts that can help throughout your career. There are Material Advantage chapters at more than 80 top schools of materials science and engineering throughout the world.

Every newly created Material Advantage chapter receives a one-time start-up payment of \$150. Then, every year, active Material Advantage chapters receive a \$5 rebate for each active chapter member. This rebate enables chapters to get involved in more activities and develop stronger technical programs.

Chapters can achieve special recognition through two annual programs:

1. Chapters of Excellence Awards
2. Membership Challenge

Visit MaterialAdvantage.org for more information on how to start a chapter at your school.

Free membership for faculty advisors

Faculty advisors receive a free year of membership in ACerS, AIST, ASM and TMS!



MS&T

WHAT IS MS&T?

MS&T is a large materials conference and exhibition organized by the four partner organizations of Material Advantage. MS&T is held in the fall of each year; exposes students to a large number of networking, learning and fun advantages; and offers these special student activities:

- The Chapter Leadership Workshop for chapter officers
- Informative sessions on graduate school, the art of networking and a career forum
- Contests
- Student networking mixer
- Travel grants

Visit MaterialAdvantage.org.

NA MATERIAL ADVANTAGE™
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