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**To:** Hogan, Patrick A  
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November 2007

### ANNOUNCING THE NEW MATERIAL ADVANTAGE CHAPTER CONVERSION CHALLENGE

#### Attention: Material Advantage Officers and Faculty Advisors

Here's how it works:

The Material Advantage partners are introducing the *Conversion Challenge*, a new program focusing on students who will be graduating in December 2007 or January 2008. This program will also benefit their Material Advantage Chapter.

- Graduating students complete one or more applications for a free year of membership in ACerS, AIST, ASM and TMS. We hope that each student will join all four societies and continue to enjoy the benefits of each society as they start their professional career. A separate membership application needs to be completed for each society. Details below.

- For each application completed by a student, the Material Advantage Chapter will receive \$5 to be used for Chapter expenses, travel assistance to meetings, guest speakers, pizza party, or whatever the Chapter decides.

This means that if a graduating student joins one society, the Chapter gets a \$5 rebate. If that student joins two societies, the Chapter gets \$10, and if the student joins all four societies, the Chapter gets \$20 for the Chapter bank account.

The Material Advantage partners feel that this new program will benefit everyone involved:

- Young professionals who are just graduating and may not have sufficient resources to pay society membership dues on their own
- Material Advantage Chapters who may have limited finances, and
- Each of the four partner societies who want to attract new, young members

As indicated above, for each membership application completed by a student between now and December 31, 2007, your Chapter will be awarded a \$5 rebate per application submitted.

The conversion process is easy! Simply forward the information below to eligible students in your Chapter and encourage them to convert to professional membership. In early January, ACerS, AIST, ASM International and TMS will review the applications received and a check will be sent to the Faculty Advisor in February 2008.

If you or any graduating student has any questions about the Conversion Challenge program, please contact any of the Material Advantage liaisons below. Remember, a separate application has to be completed and submitted to each society a student

wants to join.



### Welcome to The American Ceramic Society

Congratulations on your approaching graduation. ACerS wants to be a part of your future, and we're inviting you to join as an Associate Membership at no charge for one year. Complete the graduating student membership application today and return it to [Tricia Niswonger](mailto:Tricia.Niswonger@ceramics.org) at [tniswonger@ceramics.org](mailto:tniswonger@ceramics.org)!

Click [here](#) to review the benefits available to ACerS members.



### Membership in AIST is an investment in your career!

Congratulations, Graduate! This is an important time as you begin your professional career, and an important time to continue your professional relationships. AIST offers Material Advantage members a complimentary one-year Young Professional membership immediately following graduation, a \$57.50 value. To take advantage of this offer, simply click [here](#) to complete an AIST membership application. (You will need your AIST User Name and Password to Download.)

Click [here](#) to review the benefits available to ACerS members.



### Prepare to Succeed with ASM International

As a graduating Material Advantage student member, ASM is offering you one full year of professional membership in ASM International (a \$97 value) at no cost! As an additional incentive, ASM is offering you **50 ASM Bucks (\$50 gift certificate)** for your use when purchasing any ASM product or service as well as one of three free books. Show your new boss how attuned you are to the latest technology in the materials world and [visit us today!](#)



### Automatic Junior Membership, in TMS, at no cost!

Following graduation, Material Advantage student members can upgrade their membership to an Automatic Junior Membership, in TMS, at no cost! A \$105.00 value! Start your professional career off on the right foot and begin taking advantage of all of the benefits that TMS has to offer. TMS is your Professional Partner for Career Advancement!

Click [here](#) to fill out an application and take advantage of this fantastic offer! Should you have any questions, please do not hesitate to contact one of the Material Advantage Staff Liaisons:

Tricia Niswonger, **ACerS**, [tniswonger@ceramics.org](mailto:tniswonger@ceramics.org)

Lori Wharrey, **AIST**, [lwharrey@aist.org](mailto:lwharrey@aist.org)

Candace Cunningham, **ASM**, [students@asminternational.org](mailto:students@asminternational.org)

Bryn Stone, **TMS**, [bstone@tms.org](mailto:bstone@tms.org)

Thank you,

The Material Advantage Program



## MATERIAL ADVANTAGE CHAPTER NEWS!

### FALL MEMBERSHIP WINNERS ANNOUNCED

Most Students Recruited Award - Indian Institute of Technology - Madras

### **Most Creative Recruitment Strategies Award - Worcester Polytechnic Institute**

With more than **160** new students recruited to Material Advantage membership, please join the Material Advantage Program in recognizing all Chapters who participated in the 2007 Fall Membership Challenge:

*University of Connecticut*

*McMaster University*

*University of Missouri-Rolla*

*Rensselaer Polytechnic Institute*

*Boise State University*

*Florida International University*

*Penn State University*

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### **UNIVERSITY OF PUERTO RICO, MAYAQUEZ**

#### **Summer Research Experience in Functional and Nanostructured Materials**

The University of Puerto Rico at Mayaguez is providing opportunities to obtain meaningful experiences to undergraduates, especially minority students, in the area of synthesis of functional nanomaterials and the behavior of nanostructured materials.

Participants will receive formal and informal education through weekly seminars by research faculty and invited guests. The topics include: Introduction to current research in functional and nanostructured materials; Laboratory safety; Research planning; Data collection and record keeping; Research ethics; Communicating research; Applying to graduate school.

Students will have the opportunity of visiting local educational and cultural attractions during the weekends, including the National Astronomy and Ionosphere Center's Arecibo Observatory, "El Yunque" National Rain Forest Park, and La Parguera Bioluminescent Bay.

For application information, click [here](#) or contact the University of Puerto Rico at Mayaguez Material Advantage Chapter Faculty Advisor, [Prof. Marcelo Suarez](#), at [msuarez@ece.uprm.edu](mailto:msuarez@ece.uprm.edu).

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### **CHANGES IN MATERIAL ADVANTAGE REBATE PROCEDURES**

**Historically** - Chapters received \$5 for each active member as of September 1st and a check was sent in September/October.

**Now** - Rebates will be calculated based on the number of students who have RENEWED their membership for the coming year by December 31st with the rebate checks being sent to the faculty advisor in January. How will this benefit your Chapter?

- Larger rebate = more activities and develop stronger chapter programs
- Fall Membership Challenge memberships will now be included in the rebate check
- Tons of extra time to gain more new members and encourage renewals of existing members than ever which also means more money than ever!

Remember, your Chapter must maintain ACTIVE status. The funds will be distributed to the Faculty Advisor and can be used for ANY Chapter activities.

For questions or more information, please contact [Candace Cunningham](#) at [Students@asminternational.org](mailto:Students@asminternational.org).

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### **MS&T 2007 PHOTOS HAVE BEEN ADDED TO THE MATERIAL ADVANTAGE WEBSITE**

Remember all of the fun you and your chapter had at MS&T in Detroit? Click [here](#) to check out all of the action in the MS&T Photo Album.

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## MATERIAL ADVANTAGE SOCIETY VISIT OPPORTUNITIES FOR YOUR CHAPTER!

What is happening on your campus? If you are interested in having one of the Material Advantage Partner Society Board members or liaisons visit your chapter in 2008, let us know!!! Please contact [Tricia Niswonger](#), ACerS, [Lori Wharrey](#), AIST, [Candace Cunningham](#), ASM, or [Bryn Stone](#), TMS, to schedule your visit now!

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### BE FEATURED IN THE MATERIAL ADVANTAGE NEWSLETTER

Did your chapter do something unique this year? Do you have research that you would like to share with other students? Would you like to showcase an excellent chapter activity?

Click [here](#) to submit your articles and pictures and be featured in an upcoming addition of the Material Advantage newsletter.



## CONFERENCE/EVENT INFORMATION

### TMS ACerS Daytona Beach Conference and Student Mixer

Don't miss the 32nd International Conference & Exposition on Advanced Ceramics & Composites. It will be held **January 27-February 1, 2008** at the **Hilton Daytona Beach Resort & Ocean Center** in **Daytona Beach, Florida**.

The conference features 11 symposia and 2 focused sessions. In addition to the technical programming, the exhibit hall will be open on Tuesday, January 29 and Wednesday, January 30. The expanded exhibits feature new products and latest offerings. Students are invited to attend a networking mixer at the hotel on Monday, January 28 from 7 to 9 p.m. Mark your calendar and join fellow students for fun, food, and conversation. Need more information? Visit the Daytona Beach Meeting [Web site](#).

*This conference is organized by The American Ceramic Society and The American Ceramic Society's Engineering Ceramics Division in conjunction with the Basic Science Division.*



### Don't Miss These Student Activities at the TMS Annual Meeting in New Orleans, Louisiana March 9 through March 13, 2008!

Sunday, March 9, 2008

**2nd Annual Materials Bowl** - Applications are due on December 15, 2007. Get a team together and fill out your application now! Teams will be accepted on a first come/first serve basis!

**Student Orientation** - Find out all you need to know about student activities at TMS 2008 and meet other students with similar interests.

**Career Forum** - Representatives from key materials industries will provide personal insights on career preparation strategies, offer tips on how to develop and foster rewarding careers, and answer your questions.

**Career Tips Session** - Discover what human resource representatives are looking for when reviewing resumes and interviewing candidates.

**Student Networking Mixer** - Relaxed and casual atmosphere for students, faculty members, and government and industry representatives to make connections and share experiences of professional growth.

Monday, March 10, 2008

**TMS Technical Division Student Poster Contest** - The deadline to apply is January 10, 2008.

TMS 2008 Annual Meeting will offer students who attend the TMS 2008 Annual Meeting in March the opportunity to act as monitors at the various technical sessions to help defray the cost associated with attendance at the conference. The deadline for requests is December 15, 2007. If you have questions regarding student monitoring, please contact [Cheryl Moore](#), Technical Programming Assistant at [cmoore@tms.org](mailto:cmoore@tms.org) or, 724-776-9000, ext. 252; or fax at 724-776-3770.

#### **AISTech 2008**

Mark your calendar now for AISTech 2008, May 5-8, 2008 in Pittsburgh, Pa. Student activities, including an all day plant tour to three U. S. Steel Plants and the U. S. Steel Research and Technology Center, recruiting, dinners, a trip to Dave & Buster's, great door prizes, etc., are being planned. The Second Annual Student Project Presentation Contest, with great cash prizes (\$1,500 first, \$1,000 second, \$500 third), will be held on Monday, May 5, 2008.

Click [here](#) for more information on the conference and the contest, or visit [www.aist.org](http://www.aist.org). Financial assistance is available through travel grants and session monitor positions.

#### **AIST Member Chapter and Technology Division Events**

Students are always welcome at AIST Member Chapter and Technology Division events. Travel grants are available.

Click here to contact [Lori Wharrey](#) at [lwharrey@aist.org](mailto:lwharrey@aist.org) for more information.

For a calendar of events, click [here](#) to visit online at [www.aist.org](http://www.aist.org).



## **SCHOLARSHIP INFORMATION**

Visit [www.materialadvantage.org](http://www.materialadvantage.org) for scholarship information!

#### **AIST Foundation Announces New Premier Scholarship**

The AIST Foundation and the American Iron & Steel Institute have joined together once again to offer more scholarship funds. In addition to the ten FeMET and StEEL Scholarships which offer \$5,000 the first year, a paid summer internship and an additional \$5,000 the second year, a new **AISI/AIST Foundation Premier Scholarship** will be awarded beginning in 2008-2009. This scholarship will be awarded to the top scoring applicant from all FeMET and StEEL applications received. The scholarship will award \$10,000 in year one (junior year), a paid summer internship at a North American steel producing company, and an additional \$10,000 in year two (senior year), provided satisfactory internship and academic performance. All metallurgy, materials science, chemical, mechanical, and electrical disciplines of engineering are eligible. Just complete one application to be considered for all three scholarships. For more information, click [here](#).

#### **AIST Foundation Scholarships 2008-2009**

The AIST Foundation granted over **\$404,000** in scholarships and grants for the 2007-2008 academic year. Visit the Foundation website at [www.aistfoundation.org](http://www.aistfoundation.org) to see which scholarships you may be eligible for in 2008-2009 as a metallurgy major, materials science and engineering major, a mechanical engineering major or an electrical engineering major. **Applications will be accepted from Dec. 1, 2007 through March 2, 2008.**

#### **Steel Industry Internships**

Check out the AIST Job site for a Summer 2008 internship. Companies are now listing their internship openings at [www.aist.org](http://www.aist.org).



## **CONTEST INFORMATION**

### **Nomination Deadlines for ASM Awards Approach!**

- Albert Easton White Distinguished Teacher Award - Deadline February 1st
- Bradley Stoughton Award for Young Teachers - Deadline March 1st
- Graduate Student Paper Contest - Deadline June 15th

For complete rules and information, click [here](#) to visit ASM's website.

### **Papers Sought for ASM HTS/Bodycote 'Best Paper in Heat Treating' Contest**

The winner of the HTS Best Paper Contest receives a plaque of recognition and is automatically qualified to compete in the Bodycote Best Paper Competition scheduled for Spring 2008.

The Bodycote portion of the award includes \$3,000 monetary prize for each of the following: best undergraduate scientific/technical paper, best postgraduate scientific/technical paper, and best orally presented paper (this can also be the best scientific/technical paper.)

For more information or to view rules for eligibility and paper submission, simply visit the Heat Treating Society Community web site by clicking [here](#).

**Submission deadline is December 21, 2007.** Submissions should be made to:

Sarina Pastoric  
ASM Heat Treating Society  
9639 Kinsman Road  
Materials Park, OH 44073  
440-338-5151, ext. 5513  
Fax: 440-338-66144  
[sarina.pastoric@asminternational.org](mailto:sarina.pastoric@asminternational.org)



## **CAREER/PROFESSIONAL DEVELOPMENT**

### **Have you updated your Membership Record Lately?**

We only have accurate contact information when you keep your membership record current. If you have changed schools, moved to a new apartment or dorm, or changed your e-mail address, chances are that you need to update your record. To update, please visit [www.materialadvantage.org/membership.asp](http://www.materialadvantage.org/membership.asp).

### **Job and Internship Sites!**

*All four Material Advantage partners offer members assistance in jobs and internships. For more information, visit the individual websites.*

- ACerS Job Site <http://careers.ceramics.org/>
- AIST Student Internship/Job Site [http://www.aist.org/jobasp/jobs\\_list.asp](http://www.aist.org/jobasp/jobs_list.asp)
- ASM Career Center <http://www.asminternational.org/careercenter>
- TMS Career Center <http://careercenter.tms.org>



## **HAVE A SUGGESTION FOR THE NEWSLETTER?**

Is there something you would like to see in the newsletter? Do you have any suggestions for improvement? Your comments are important to us, and we encourage you to submit feedback to [students@asminternational.org](mailto:students@asminternational.org).

You are subscribed to *materialadvantagenewsletter* as [phogan@wpi.edu](mailto:phogan@wpi.edu). To unsubscribe, send a blank e-mail to [leave-materialadvantagenewsletter-1630022R@lyris.asminternational.org](mailto:leave-materialadvantagenewsletter-1630022R@lyris.asminternational.org)

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