

MATERIAL ADVANTAGE STUDENT PROGRAM AGREEMENT

A student membership in ASM International (hereafter ASM) and The Minerals, Metals & Materials Society (hereafter TMS) was established by action of both organizations in 1962. No record of the original Student Member Agreement can be located at ASM or TMS Headquarters. A new agreement was drafted in 1986 for the purpose of outlining organizational responsibilities of ASM and TMS to the Student Membership Program. The establishment of ASM and TMS Student Chapters was approved in principle by the ASM Board of Trustees at its March 1987 meeting and by the TMS Board of Directors at its January 1988 meeting. In 2004, a resolution by the American Ceramic Society (hereafter ACerS) Board brought the third organization into the ACerS/ASM/TMS Student Program. In June 2005, a resolution by the Association for Iron and Steel Technology (hereafter AIST) brought the fourth organization into the ACerS/AIST/ASM/TMS Student Program (hereafter referred to as the Material Advantage Student Program). The Agreement, effective August 1, 2005, expired December 31, 2008.

This agreement will supersede any existing agreements between the 4 societies and will become effective January 1, 2009 and remain in effect until one or more of the partnering societies shall notify, in writing, the others of intent to discontinue. The party or parties wishing to discontinue this agreement must give one-year notice to the other partnering societies.

1) Student Program

a) Intent

Partnering Societies understand the importance of sustained progress in the understanding and development of advanced materials. The Material Advantage Student Program, including Student Membership and Student Chapters, is intended to support student members in the pursuit of careers in materials science and engineering. Partnering Societies pledge to undertake and provide service, benefit, and support programs, at minimal or no cost, that will equip students for a lifetime of technical and professional excellence.

www.materialadvantage.org



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ASM International®
9639 Kinsman Road
Materials Park, OH 44073-0002
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www.asminternational.org



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184 Thorn Hill Road
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b) Objective

To ensure the future of the materials science and engineering professions, by facilitating and supporting the education and career development of student engineers and scientists.

c) Conversion to Professional Membership

Following graduation, it is the goal of each society that student members will continue their membership in the Partnering Societies by applying for professional membership status in each society. Each partnering society offers a one-year complimentary membership after graduation.

d) Relationship to Individual Societies

It is agreed that for the term of this agreement, all qualifying student members will be accepted for membership only as Material Advantage student members, and that all future student chapters at post-secondary institutions, will be chartered as Material Advantage student chapters.

The Material Advantage Student Program is intended to be a unique program, separate from and in addition to those ACerS, AIST, ASM and TMS student membership and chapter programs that do not meet the criteria of the Material Advantage Student Program (i.e., student member programs at high schools, and existing Joint Student Programs). These separate Partnering Societies' programs will be administered, maintained and developed by their respective parent societies and are not subject to this agreement.

2) Material Advantage Committee (MAC)

a.) Intent

The Partnering Societies will develop a cooperative committee to advise and recommend improvements and developments to the Material Advantage Student Program on a regular basis. The Material Advantage Committee will be volunteer based and will consist of equal members of Partnering Societies in numbers necessary to carry out the activities of the committee, but will consist of no less than 2 members per Partnering Society, and will have a non-voting staff liaison from each society. Upon Partnering Society recommendation, the Boards of the Partnering Societies will be called upon to make a final vote on critical issues.

(See Addendum A for the Material Advantage Committee Bylaws)

3) Administration and Communication

a) Administrative Society Assignments

For the term of this Agreement the Material Advantage Student Program administrative society assignments are as follows:

Material Advantage Student Membership Administration:	TMS
Material Advantage Student Chapter Administration:	ASM
Material Advantage Student Special Program Administration and Material Advantage Website maintenance:	ACerS
Material Advantage Marketing and Promotion:	AIST

b) Annual Budget

Partnering Societies will cooperatively prepare an annual operating budget for the Material Advantage Student Program, in concert with the budgeting cycles of all societies. The Material Advantage Student Program budget will be agreed upon before the start of each calendar year, and will include those expenses incurred in the administration of the Material Advantage Student Program, as outlined in this Agreement. Each society pays for expenses, as indicated by the budget, then is reimbursed at the end of the year. Some expenses, such as those at MS&T, are under a separate budget. Individual partner societies are responsible for costs of all student events which are society specific. Any expenses incurred beyond the operating budget will be the responsibility of the administering society unless all societies have submitted a written statement of approval for the additional expense.

c) Communication Standards

To ensure that the Material Advantage Student Program is promoted through publicly recognizable and consistent communication when produced and distributed from each society's headquarters office, the following standards shall be adhered to:

i) Program Name and Description

In all places where the Material Advantage Student Program is discussed, the program name should appear as follows: "Material Advantage Student Program," or specifically "Material Advantage Student Chapters," or "Material Advantage Student Members".

ii) Promotion and Recruitment

In all cases where a university or individual is eligible for the Material Advantage Student Program, the seamless and cooperative nature of the Partnering Societies should be presented and communicated clearly. All promotion and recruitment initiatives and activities should be coordinated and administered by the Partnering Societies to reduce redundancy, ensure a unified message, and promote cost effectiveness.

iii) Logo

All promotion and mass communication regarding the Material Advantage Student Program should prominently display the Material Advantage Student Program logo and the logos of all societies in a balanced and equal fashion where applicable.

iv) Signatures

All communication regarding the Material Advantage Student Program should bear the signatures of all Partnering Society representatives and/or the signature of the MAC chair person where applicable.

v) Mailings

Communication to the Material Advantage Student Chapters and/or membership shall be coordinated by the Partnering Societies to eliminate any excessive or potentially conflicting information from being distributed. Information to be included in the mailings should be communicated to the Partnering Societies.

For specific e-mail communication to students and general use of the database, see Communication Plan attached hereto as Addendum B.

4) Student Membership

a) Eligibility

i) Material Advantage Student Membership Eligibility

It is the understanding of the Partnering Societies that any post secondary student currently enrolled in a post-secondary institution, and majoring in the field of materials science and engineering, or a related discipline, is eligible for Material Advantage Student Membership.

ii) Membership Approval

A letter with suitable letterhead agreed to by all organizations will be sent to each applicant acknowledging receipt of application and admission to the Material Advantage Student Program. The letter, along with a student member card containing the Material Advantage logo, will be signed by the chair of the Material Advantage Committee.

iii) Chapter Affiliation

It is understood by the Partnering Societies, that if a student chapter is not available for a student member to be affiliated with, then the student member will be recognized as a general member. It is the intent of the Partnering Societies to form Material Advantage Student Chapters at these institutions.

b) Membership Fees

i) Membership Fee Revenue

The total revenue from the membership fees shall be assessed from January 1 through December 31 of each year.

ii) Membership Year

The Material Advantage Student Membership year runs January 1 through December 31. New member dues are based on the following schedule:

Applications submitted January – August; prevailing dues for the current calendar year. Applications submitted September – December; prevailing dues for the remainder of the current calendar year and the entire following year. In succeeding years, all student members will be billed membership dues in September of the following year.

iii) Chapter Membership Rebate

A chapter rebate of \$5.00 per student member is sent to qualifying, active student chapters annually. The qualifying membership rebates are determined by the number of paid Material Advantage student members within the chapter as of January of each year. The chapter rebates will be calculated and distributed to qualifying chapters by the Student Chapter administering society (ASM).

A rebate will be sent by the student chapter administrative society (ASM) to qualifying Material Advantage Student Chapters, to which the student member is assigned. A program letter will accompany rebates.

The rebate amount will be based on the number of paid (e.g., “active”) student members in each chapter as of January 1 each year. Checks shall be mailed to the chapters on or before February 1st.

In the event a member is not affiliated or assigned to an existing Student Chapter, the rebate will be considered as income and will be divided between the Partnering Societies on an equitable basis.

iv) Membership Fee Revenue Distribution

Membership revenue will be split equally amongst the Partnering Societies once all agreed upon student program expenses, and the chapter membership rebates are deducted from the total revenue received. The Student Membership administering society (TMS) shall rebate the other Partnering Societies for its share of the student membership dues. All revenue and expense transactions shall be finalized by December 31 each year and the transfer of funds to the other societies shall be completed by January 31.

iv) Membership Fees

Upon recommendation from the staff liaisons and/or the Boards of the Partnering Societies, the Material Advantage committee will review the membership dues on an annual basis.

c) **Administrative Society Responsibilities**

i) Responsibility

The Student Membership administrative society (TMS) has the responsibility of sharing current and accurate data with the other Partnering Societies on a routine and timely basis in the methods agreed to at the start of each year. This includes, but is not limited to, providing monthly and year-end reports of the student

members and statistics, and providing monthly and year-end data transfers of the student member records.

The society responsible for Student Chapter administration (ASM) will provide annual year-end reports on active student chapters, chapter faculty advisor information, chapter award winners, chapter rebate payments and copies of chapter annual reports upon request.

The society responsible for Student Special Programs administration (ACerS) will provide pre-program development updates and opportunities for input from the other societies, program implementation plans and budgets, and post-program reports on participation, program evaluation and recommendations for improvement. ACerS is also responsible for maintaining and updating the Material Advantage web site.

The society responsible for marketing the Material Advantage Student Program (AIST) will promote the Material Advantage Student Program to students, universities with and without a Material Advantage Student Chapter, Participating Society professional/member chapters and technical committees. AIST is also responsible for the Material Advantage Newsletter including design, edit and electronic distribution.

d) Society Responsibilities

i) Promotions

The Partnering Societies will share the costs equally for producing and distributing promotional materials, prize money, awards and other Student Program activities as agreed to during the budgeting process. All promotions will be coordinated and agreed upon by the Partnering Societies.

ii) Benefits and Services

Student Membership benefits, to be determined by each Partnering Society, will include but are not limited to:

- ◆ Membership in a Material Advantage student chapter. Material Advantage student members do not need to be in a student chapter.
- ◆ Society journals will be available at all times in electronic format, and mailed copies on a rotating schedule agreed upon by all Partnering Societies. In months when a society's magazine is not mailed students will be emailed instructions to electronic access, hence having access to all Partnering Society magazines each month.
- ◆ Free or highly reduced conference registration fees, at the option of any society.
- ◆ Reduced student publication prices
- ◆ Career placement services
- ◆ Scholarship eligibility
- ◆ Eligibility for student contests and competitions

- ◆ Annual Student Career Forum
- ◆ Annual Chapter Leadership Workshop

5) Student Chapters

a) Eligibility

i) Student Chapter Eligibility

Student chapters are formed at post-secondary institutions upon application for a student chapter charter, initiated by student members or faculty. The Boards of all Partnering Societies shall grant the charter upon approval.

ii) Petition Approval

It is the understanding that a student chapter petition will be considered under the following circumstances:

- ◆ At the initiation of student members or faculty.
- ◆ With the support of a faculty advisor who is a member of one or all of the Partnering Societies. All Material Advantage Faculty Advisors are given a complimentary membership in all partner societies.
- ◆ After a formal petition is signed and submitted by a minimum of 15 student members and the appointed faculty advisor. Petitions submitted with less than 15 student members will be reviewed on an individual basis.

b) Administrative Society Responsibilities

i) Responsibility

The Student Chapter administrative society (ASM) will serve as the collection and distribution point for all student chapter records as listed below. The administrative society has the responsibility of sharing current and accurate data with the other Partnering Societies on a routine and timely basis in the method agreed to at the start of each year. Specific responsibilities include but are not limited to:

- ◆ Providing monthly chapter roster updates to the other Partnering Societies upon request;
- ◆ Production and distribution of the Student Chapter Handbook;
- ◆ Processing of new petitions through all Partnering Society Boards;
- ◆ Collection of chapter Annual Reports and Bylaws;
- ◆ Coordination of chapter Bylaw changes;
- ◆ Collection of chapter officer and faculty advisor lists and updates; and

ii) New Chapters

Upon approval of all Partnering Society Boards, the Student Chapter administrative society (ASM) will forward a student chapter plaque, student chapter banner, and a start-up allowance check of \$150 to new student chapters.

Costs for these items and the start-up money will be equally shared, and is part of the budget.

iii) Supplies

The Student Membership administrative society (TMS) is responsible for provision of stationary and supplies, which display the logos of all societies, and use of these materials for all communication with student members.

c) **Society Responsibilities**

i) Promotions

Partnering Societies will share the costs and physical responsibilities equally for producing and distributing promotional materials, prize money, awards, stationary and supplies, and other Material Advantage Student Program activities as agreed to during the budgeting process.

ii) Benefits and Services

Material Advantage Student Chapter benefits and services will include but are not limited to the following:

- ◆ Participation in the Chapter of Excellence Program.
- ◆ Participation in the Fall and Spring Membership Challenges.
- ◆ Regular mailings to update faculty and students on individual and cooperative society activities, including upcoming conferences, workshops, publications and student contests.
- ◆ Assistance from Partnering Society staff in generating chapter activity and participation.
- ◆ Active student chapters will receive financial support through rebates based upon the number of affiliated student members.

Each society may separately provide additional benefits to the student chapters upon notification and agreement of all societies.

iii) Website

ACerS will be responsible for the maintenance and supervision of the Material Advantage website.

6) **Society Relationship**

a) **Meetings**

The staff liaisons of the Partnering Societies will meet on a minimum of a quarterly basis at a designated time and location that can be agreed upon by all parties. The purpose of such meetings will be to review existing procedures and agreements and to look for refinements in the Material Advantage Student Program.

b) Activities and Programs

As part of the Agreement, the Partnering Societies will sponsor activities and programs that benefit Material Advantage student members and chapters, alternating the administrative responsibilities of such. Two such examples are:

i) Student Night Activities

Each society may host a Material Advantage student program in conjunction with its own society Annual Meeting. All Material Advantage students may be invited to participate. Student Night Activities may include but are not limited to:

- ◆ Career Forum and Job Fair
- ◆ Student/Faculty Mixer
- ◆ Student Lounge/Career Corner
- ◆ Roundtable Dinner/Reception

When one or more of the Partnering Societies' events are co-located, those organizations will cooperate to hold a single Student Night event. Location of the event will be determined based on facilities, cost, and convenience for the student attendees.

ii) Student Contests and Competitions

The Student Special Programs administrative society (ACerS) will coordinate the annual contests and competitions to be held at co-located events.

iii) Chapters of Excellence Awards Program

To recognize and reward outstanding achievement by Material Advantage student chapters, the Partnering Societies sponsor the annual Chapter of Excellence Awards. The Student Chapter administering society (ASM) will coordinate this program, and winners will be chosen by a selection Committee composed of professional members of all four societies. The awards will be presented annually, at the unified fall meeting event when all Partnering Societies are represented. When all Partnering Societies are not represented, presentation shall be rotated between the four societies in alphabetical order. All active Material Advantage student chapters are eligible to participate in this competition.

c) Other Cooperative Activities

Activities not covered under the Material Advantage Student Program agreement, but in which all Partnering Societies are involved, should be termed "cooperative." Cooperative programs, usually initiated by one society, then co-sponsored by the others, require formal approval by all Partnering Societies to become a part of the Material Advantage Student Program Agreement.

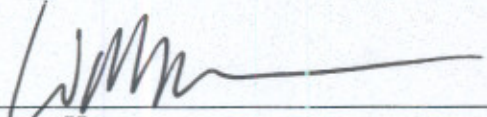
d) Individual Society Activities

All Partnering Societies agree that in addition to the Material Advantage Student Program and cooperative activities, there may also be a need for individual society activities. Before beginning any new activities, the initiating society will bring those activities to the attention of the other societies.

7) Approval and Term

This agreement will supersede any existing agreements between the Partnering Societies and will become effective January 1, 2009 and remain in effect until one or more of the Partner Societies notifies the others, in writing, of intent to discontinue. The party or parties wishing to discontinue this agreement must give one-year notice to the other Partnering Societies

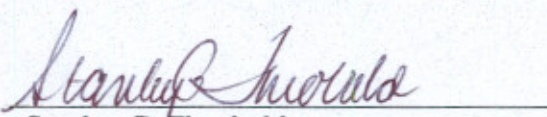
The Agreement has been carefully read and agreed to by the following:



Warren Hunt
Executive Director, TMS

12/11/08

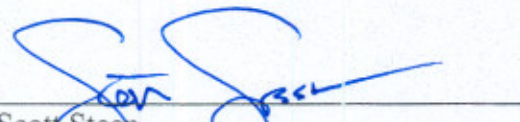
Date



Stanley C. Theobald
Managing Director, ASM

Dec 3, 2008

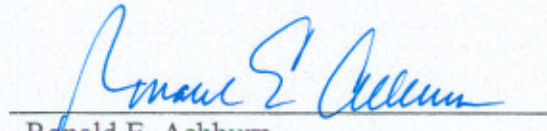
Date



Scott Steen
Executive Director, ACerS

DEC 03, 2008

Date



Ronald E. Ashburn
Executive Director, AIST

03 Dec 2008

Date

Addendum A

Name: The Material Advantage Committee (MAC)

Purpose: The MAC shall work with the Material Advantage Student Members and the Membership Development Committees of ACerS, AIST, ASM, TMS, and the ASM Chapter Council. The Committee will be responsible for identifying the needs of the Material Advantage Student Program, suggesting and coordinating student activities, and providing administrative oversight.

The Committee is also charged with the communication, coordination and implementation of the key tactics and strategies of the ACerS Board of Directors' strategic plan, the AIST Board of Directors' strategic plan, the ASM Board of Trustees' strategic plan, and the TMS Board of Directors' strategic plan, and in regards to student membership, chapter growth, and conversion to professional membership in all societies.

Procedures: Prior to each meeting an orientation will take place to acclimate new members to the committee, its purpose and structure. This can also be provided as a Power Point presentation on the committee Home Page.

Structure: The MAC will be made up of 16 members, consisting of 4 volunteer members from ACerS, AIST, ASM and TMS.

Term of Office: The Vice Chair will be appointed for a term of 3 years, rotating to Chair for 1 year and Past Chair for 1 year. The Chairperson and Vice Chairperson will rotate between a member of ASM, a member of TMS, a member of AIST and a member of ACerS. The Vice Chair will be elected at the Fall MS&T meeting, and the Chair and Past Chair simultaneously confirmed. Committee members interested in serving as Vice Chair should notify the Chair prior to MS&T. Each society will determine the tenure of their representatives. The committee (and partnering society) may extend officer terms by consensus.

Meetings: The MAC will meet no less than twice annually with no more than one meeting held via conference call. The meetings will be held at MS&T in the Fall. Attendance via teleconference to any meeting is acceptable. A quorum will be required for recognized meetings of this committee and shall consist of one representative from each partnering society.

Staff Liaisons: The MAC will be supported by four, non-voting, staff liaisons, consisting of one from each Society.

Adopted October 17, 2006

Addendum B

Material Advantage Communication Plan

History - On March 30, 2007 the Material Advantage Committee agreed that members of Material Advantage are receiving an unreasonable number of e-mails from all four partner societies. The committee determined that the four partners must establish a plan that will keep the students informed of all Material Advantage news, and information from each partner, in an organized, controlled manner such as not to be construed as spam.

Plan - All communication with the Material Advantage student members should be limited to:

- The Material Advantage Newsletter issued monthly as determined by the MA staff. All information regarding student activities at MS&T will be included in this newsletter along with all Material Advantage Chapter information.
- Each partner shall send one monthly notice of their respective magazine release.
- Each partner shall send one electronic newsletter each month as regularly scheduled.
- Each partner shall send monthly, as needed, one mini-newsletter to the students with all information specific to students and that partner's student events, promotions, contests, scholarships, scholarship winners, conferences, etc. The exception would be e-mail communications from local chapters and/or divisions to students in their respective areas, about their local events. The following schedule shall be established; Acers – week one, AIST – week two, ASM – week three, TMS – week four. Partners are free to switch weeks during any given month if agreed between staff liaisons.

No additional e-mails will be sent to the Material Advantage members from the direct Material Advantage partners, including affiliate organizations and foundations, except local chapter and division e-mails. Any additional e-mail communications to the students must be agreed upon by all four partners. This agreement does not limit e-mails to the faculty advisors or the chapter chairs.

In addition, the Material Advantage membership database, in whole or part, shall not be released to any organization without written consent from all four partners.

One staff representative from each partner shall have a membership to Material Advantage to assist in the monitoring of this initiative and to continue to provide quality service to the membership.

The partners of the Material Advantage student program hereby agree to the terms and conditions of this Material Advantage Communication Plan as stated above and recommended by the Material Advantage Committee. It is further agreed that this Plan be added as an addendum to the Material Advantage Student Program Agreement, dated August 1, 2005 between the four partners.

The addendum has been agreed this 18th day of December, 2007.