



EARLY CAREER, WEERTMAN, AND HUME-ROTHERY SUBCOMMITTEE BYLAWS

Purpose Statement: According to the rules established for these awards, the committee will recommend to the TMS Honors & Professional Recognition Committee:

1. nominee(s) for the Early Career Faculty Fellow Award
2. nominee for the Julia and Johannes Weertman Educator Award
3. nominee for the William Hume-Rothery Award

Procedures: June thru September, this award committee will review nominations and make selections. The committee may propose one candidate each year for each award assigned based on an endowment allowing only one recipient, except in the case of the Early Career Faculty Fellow Award where two awards are to be presented in a given year. (Award(s) may be withheld any given year if none of the candidates is deemed deserving.) Nominations for the Julia and Johannes Weertman Educator and William Hume-Rothery awards will remain in effect for three years provided they meet criteria for the award each year unless withdrawn by the Society, but additional nominations may be made annually. See information below for Early Career Faculty Fellow Award applications. The committee chairperson shall present to the TMS Honors & Professional Recognition Committee the award recipients of the various awards approved by this committee, together with appropriate and adequate support documentation. The results of committee deliberations shall be kept confidential until the award recipients have been approved by the TMS BOD and notified by the TMS Awards Administrator. Awards are presented at the TMS Annual Meeting.

Structure: This subcommittee shall consist of a chairperson and six members. Of these seven people, five are to be division affiliated – one from each TMS division and one member will be from the Alloy Phases Committee. All members, including the chairperson, are to be appointed by the TMS Vice President. Except in special circumstances, the chair shall have already served on the subcommittee for two years. Each member of this subcommittee shall be a distinguished leader in the fields of minerals, metals, and materials science or practice. No fewer than two members of the subcommittee shall be from industry. The subcommittee shall recommend subcommittee member candidates to replace those with expiring terms.

Term of Office:

Chair: 1 year

Vice Chair: 1 year

Member: 3 years

TMS views committee membership as a benefit and therefore requires that TMS committee members be TMS members in good standing. Membership on this committee should be kept confidential.

Conflict of Interest: Committee members shall follow guidelines for conflicts of interest, consistent with those established by TMS. For example, committee members shall recuse from voting in nominations involving former/current students or post-doctoral associates, former research advisors, colleagues in the same department, close collaborators in recent research projects or publications, and partners in spin-off companies.

Meeting Schedule: The subcommittee shall meet at such times as deemed necessary to conduct its business in a timely and effective manner.

Financial Statement Financial arrangements and the operating budget of the subcommittee shall be subject to approval by the Executive Committee of the Board of Directors. In the event of either dissolution or merger of TMS, the funds earmarked or pledged for the awards shall revert to a special account of TMS to be held until such time that suitable arrangements for presentation of similar awards can be negotiated.

EARLY CAREER FACULTY FELLOW AWARD

Goal: To reach out and engage Assistant Professor level faculty in a competitive selection that will introduce them to TMS and/or foster their long-term membership and participation in the society. This award is intended to provide a valuable opportunity for young faculty to organize a symposium, invite guest speakers, and help develop their professional network.

Selection Criteria: This program will be conducted as a competitive selection among young faculty. Applicants do not need to be current TMS members. However, applicants with no significant evidence of interest or participation in TMS should not be given preference over young TMS members with strong academic qualifications and a demonstrable history of contributing to TMS. The applicant must be employed at an educational institution as an Assistant Professor at the time of application. Applicants with interest in non-traditional TMS programming topics are encouraged to apply. Nominee must be within 8 years of professional practice (including post-doctoral position) of receiving PhD while in the Assistant Professor position (or equivalent position overseas) for no less than 2 years and no more than 6 years.

Application Process: Applications will be accepted until April 1. Previous Early Career Faculty Fellow recipients are not eligible to apply. (Unsuccessful applicants may update their application and resubmit for consideration for the following year's award, provided they still meet the criteria; however, they must submit an updated CV and new/updated recommendation letters.) The completed application packet shall include:

- Letter of Interest from Applicant, no more than 2 pages.
- A maximum of three letters of recommendation: Two letters from higher level professors at the applicant's academic institution, and the third letter from another institution, extramural research organization (e.g., national or industrial laboratory), or a company where the applicant received a research grant. Each letter of recommendation should not be longer than two pages.

- Abstract on a topic that the applicant would present at the Young Professional Tutorial Luncheon/Lecture if selected for the award. The topic of the talk should be general, not necessarily a technical talk, since given to a broader audience.
- Curriculum Vitae, no more than 5 pages, listing no more than 15 most relevant publications and most notable invited presentations. Include detailed list of students mentored as an assistant professor, with identification of students involved in publications with the applicant. Include relevant information that can help evaluate the application based on the criteria under “Judging” below.
- Completed Application Form

Award: The nature of this award will be one of resources, which will facilitate attendance at two consecutive TMS annual meetings, along with technical support and guidance in developing new programming. Expenses covered by this award include:

- Technical support and guidance in developing new programming
- Complimentary registration and hotel accommodation for the year of award presentation and the year following for symposium programming.
- Travel allowance up to \$500 per meeting towards airfare and round-trip transportation from airport to hotel
- Admission to Young Leaders Tutorial Luncheon
- Invitation to attend division council meetings
- Invitation to attend technical and administrative committee meetings
- Conference registration waivers for up to six presenters involved in program symposium

Two (2) faculty persons chosen for this award will:

- Make a non-specialized presentation at the Young Professional Tutorial Luncheon/Lecture at the next TMS Annual Meeting & Exhibition. Presentation to be approximately 15 minutes to allow both recipients sufficient time.
- Program a symposium at the TMS Annual Meeting & Exhibition the year following the award presentation.

Judging: Applicants will be evaluated based on the following categories and criteria:

- **Achievements** (innovation and discovery)
 - Widely recognized research and scholarly output/ highly cited publications, patents, or books
 - Recipient of professional awards, honors and an invited or keynote speaker at reputable technical conferences, and
 - Organized symposium, utilizing research to drive applications in industry.
- **Advancing current academic institution**
 - Setting up a funded, innovative research program/new labs,
 - Creating new programs/interdisciplinary courses at graduate/undergraduate levels, and
 - Recruiting graduate students to enrich the technical breadth and diversity of the department.
- **Ability to broaden existing technological profile of TMS**

- Demonstrated ability to extend the scope of TMS to non-traditional scientific and technology topics,
- Ability to co-organize symposia with another professional society on timely topics, editing symposium proceedings, and
- Promoting student activities to foster affiliation with TMS, e.g., faculty mentorship of student chapters.
- **Personal qualities**
 - Leadership, especially as an active committee member,
 - Mentoring graduate and undergraduate students, including underrepresented students, in publishing and oral/poster presentation at professional meetings,
 - Collaborative interactions with other disciplines and/or groups.

JULIA & JOHANNES WEERTMAN EDUCATOR AWARD

Criteria: (1) demonstrated contributions to education in metallurgical engineering and/or materials science and engineering; (2) not limited to classroom teachers; also recognizes contributions through writing of textbooks, building of strong academic programs, outreach to high school students, or innovative ways of educating the general populace. Nominations should provide evidence that the individual has a scholarly legacy that transcends their own institution(s), with broader impact on developing the intellectual foundation for the broader and evolving TMS community.

Description: This award recognizes a higher caliber individual who has made outstanding contributions to education in metallurgical engineering and/or materials science and engineering. All other factors being equal, preference should be given to members of TMS. The award consists of a bronze or silver medallion with the faces of Julia and Johannes Weertman mounted on a walnut plaque, a registration waiver to attend the TMS Annual Meeting, and a travel stipend of \$1,500 to attend the meeting. For reference, Profs. Johannes and Julia Weertman have accomplished, both individually and jointly, a very rare feat: (a) they rose to prominence in Materials Science and Engineering through their pioneering research accomplishments which have profound effects on technology; (b) they were instrumental in the emergence of materials science and engineering as a new discipline; (c) as a couple, they developed a rare synergy, a unique phenomenon in our field and an example for the younger generations.

Requirements:

- Completed nomination form.
- Nominator's Supporting Statement: This statement is to be included within the principal nominator's cover letter of endorsement. The supporting statement should outline the qualifications of the nominee for the specific honor/award. The nominator's supporting letter should be no more than two pages.
- Current resume or curriculum vitae with publication list, educational contributions, and students mentored.
- Minimum of two, maximum of five, letters of endorsement are required. Each letter should be no longer than one page. No more than one letter of endorsement

may be from the same affiliation as the nominee. The nominator's letter may be counted in the total number required.

Support Statement: As this award is endowed through the TMS Foundation, the award description and associated promotional literature should reference, "This award is endowed by colleagues and friends of Julia and Hans Weertman, as well as the department of materials science and engineering and the McCormick School of Engineering and Applied Sciences at Northwestern University."

Financial Statement: As this award was established with an endowment, financial arrangements and the operating budget of the subcommittee shall be subject to approval by the Foundation Board of Trustees. In the event of either dissolution or merger of TMS, the funds earmarked or pledged for the awards shall revert to a special account of TMS to be held until such time that suitable arrangements for presentation of similar awards can be negotiated.

WILLIAM HUME-ROTHERY AWARD

Criteria: Exceptional and sustained record of scholarly contributions to the science of alloys.

Description: The William Hume-Rothery Award shall be presented annually to recognize a scientific leader for exceptional and sustained scholarly contributions to the science of alloys by inviting him/her to be an honored presenter at the William Hume-Rothery Memorial Symposium. The awardee participates with the Alloy Phase Committee in organizing this symposium held in conjunction with the TMS Annual Meeting approximately two years following selection. This award honors the memory of the great pioneer in alloy phases, William Hume-Rothery and it consists of an engraved plaque. This award is considered a pinnacle award.

Requirements:

- Completed nomination form.
- Nominator's Supporting Statement: This statement is to be included within the principal nominator's cover letter of endorsement. The supporting statement should outline the qualifications of the nominee for this specific honor/award. The nominator's supporting letter should be no more than two pages.
- Current resume or curriculum vitae with list of most prominent publications, not to exceed five pages.
- A minimum of two but not more than five letters of endorsement are required. Each letter should be no longer than one page. No more than one letter of endorsement may be from the same affiliation as the nominee. The nominator's letter may be counted in the total number required.