



**TMS SEVEN SPRINGS INTERNATIONAL SYMPOSIUM ON SUPERALLOYS  
COMMITTEE  
BYLAWS**

**I. PURPOSE STATEMENT:**

The TMS Seven Springs International Symposium on Superalloys Committee (also referred to as “the Committee”) is made up of individual TMS members from various industrial companies, institutions, and universities that make, use, sell or study materials used in high-temperature, high-strength applications. The Committee’s function is twofold:

- Organize the quadrennial International Symposium on Superalloys Symposium (also referred to as “the Symposium”) and its associated proceedings. The Symposium is an opportunity for the exchange of technical papers on the design, processing, repair, refurbishment, utilization, testing and behavior of high-temperature materials. The Proceedings documents this exchange.
- Support the TMS Foundation in the stewardship of the Superalloys Fund within the TMS Foundation and make recommendations on distributions from that fund. The purpose of the Superalloys Fund is to promote the dissemination of knowledge on high-temperature materials and to encourage students to study high-temperature materials science and engineering.

The Committee shall be guided in the scope of its efforts as defined by these bylaws and by the overall mission of TMS.

**II. STRUCTURE:**

The Committee exists within TMS under the auspices of the TMS International Affairs Committee. The Committee will consist of up to nine members, all of whom have voting privileges:

- Committee Chair (Technical Content Focal)
- Past Chair (Logistics Focal)
- General Members (up to seven)
- Secretary (also considered a General Member)
- Banquet Chair
- Awards Chair

### **Eligibility for Membership**

Committee membership comprises TMS members representing a diversity of industrial companies, agencies, universities, institutes, or any organizations that actively participate in the production, use, sale, or study of high-temperature, high-strength materials. Geographic diversity is a consideration as well.

### **Responsibilities of Committee Members**

*Committee Chair:* Provides leadership of the Committee and facilitates the committee in the pursuit of its tasks. The Committee Chair periodically updates the TMS International Affairs Committee as to progress in the organization of the Symposium and what opportunities may exist for greater involvement by TMS in the international high-temperature materials community. The Committee Chair gives focused priority to maintaining the technical content and standards of the Symposium, including the overall technical program and also the selection and coordination of conference keynote technical presentation.

*Past Chair:* Assists the Committee Chair by providing input and guidance into sustaining the Symposium amenities, format, and traditions through knowledge of the prior Symposium. Gives focused priority to working with TMS staff on Symposium logistics and arrangements.

*Secretary:* One General Member may serve as Secretary. Alternatively, the Committee Chair may fulfill these responsibilities. The Secretary is responsible for the timely issuance of accurate minutes of meetings and other secretarial duties that may be assigned by the Committee Chair. In the absence of the Committee Chair, the Secretary may fulfill the duties of the Committee Chair.

*Banquet Chair:* One General Member may be designated as Banquet Chair who is responsible for proposing a Dedicatee Banquet plan and coordinating the execution of that plan with TMS staff.

*Awards Chair:* A Past Committee Chair may be designated as the Awards Chair. The Awards Chair along with an Award Committee is responsible for leading an objective selection of the Superalloys Scholarship each year and the Best Paper and Best Poster at the Conference. (See Appendix A: Superalloys Scholarship Selection.) The Award Committee is comprised of three to five General Members, from the Program Committee, proposed by both the Committee Chair and Awards Chair to select award recipients.

### **Selection of Members**

*Committee Chair:* Before the final day of the Symposium, the Committee shall select the Committee Chair for the next Symposium. This appointment is subject to approval by the TMS International Affairs Committee. The new Committee Chair will assume their responsibilities at the following year's TMS Annual Meeting and Exhibition.

*General Members:* The Committee Chair selects the General Members to constitute the Committee. The Committee will usually include the Past Chair of the prior symposium to support event continuity. Other members of the Committee may be given the additional

responsibilities of the Secretary, the Banquet Chair, and the Awards Chair. Committee members will be selected with a general goal of balancing industry, academic, government agency, and geographical location.

### **Terms of Members**

All Committee members serve from the time of their appointment through the conclusion of the Symposium that they were assembled to organize. It is recommended that committee members serve one term corresponding with one Symposium with the exception of the Overall Committee Chair, who may serve in a subsequent term as Past Chair for the following Symposium.

In the event of a vacancy of the Secretary, Awards Chair, or a General Member, the Committee Chair will appoint a replacement. If the Committee Chair position becomes vacant, the Committee will elect a new Committee Chair, subject to the approval of the TMS International Affairs Committee.

### **III. Committee Meetings and Voting:**

Meetings of the Committee shall be called by the Committee Chair either in person or remotely. The chair shall, if reasonably possible, provide a minimum of two weeks' notice as to the date, time, and location of the meetings.

The presence of at least a simple majority of the total number of Committee members constitutes a quorum. A Committee member must be present at a meeting to cast a vote during that meeting. In addition to those members who are present in person at a meeting, members shall be deemed to be present if a telephone or other communication equipment by means of which all persons participating in a meeting can hear each other at the same time is used. Typically, the Committee Chair does not vote. In the case of a tie vote, the Committee Chair shall have the deciding vote.

Motions are passed by a simple majority except for decisions that amend the Committee Bylaws. Votes that impact the Committee Bylaws require a two-thirds majority to pass.

At the discretion of the Committee Chair, email voting may be conducted with the outcome determined in accordance with the voting majorities noted above.

### **IV. Committee Responsibilities**

#### Symposium Organization

The Committee selects the theme or topics on which the Symposium may focus.

The Committee members solicit abstracts for the Symposium.

The Committee reviews and accepts papers from the submitted abstracts.

The Committee edits and/or corrects submitted papers for publication in the Symposium Proceedings.

The Committee works with TMS staff to organize the selected papers into sessions.

The Committee selects session chairs and keynote speakers.

The Committee can select an individual to whom to dedicate the Symposium. This honoree is to be someone who has made outstanding contributions to the high temperature, superalloy, and/or gas turbine or energy industry. These contributions should have been predominately of a technical nature based on their own work, rather than for corporate or managerial achievements. The prevailing custom is to select an individual who has reached, or is about to reach retirement.

The Committee provides advice to TMS staff in conducting the Symposium, with the shared goal of preserving the traditional amenities, format, and standards of excellence of the International Symposium on Superalloys (See Appendix B: International Symposium on Superalloys Traditions)

#### TMS Foundation Input

At its initiative or at the request of the TMS Foundation Board of Trustees, the Committee will annually provide input as to if and how awards from the Superalloys Fund within the TMS Foundation should be disbursed.

Recommendations concerning disbursements from the TMS Foundation Superalloys Fund should focus on recognizing qualified young people with scholarships, supporting teacher camps focused on materials education, and other educationally oriented goals.

The Committee endeavors to grow the TMS Foundation Superalloys Fund by encouraging donations to the fund.

The advice from the Committee should be provided in such a manner as to assure that the disbursements from the Superalloys Fund are issued in a manner that enables the long-term sustainability of the Superalloys Fund.

## **APPENDIX A: SUPERALLOYS SCHOLARSHIP SELECTION**

### **Purpose Statement**

Two \$2,000 scholarships, including a complimentary conference registration and up to \$250 for each awardee in travel support, are available to current PhD students majoring in metallurgical and/or materials science and engineering with an emphasis on all aspects of superalloys; enrolled in a program on classical topics related to superalloys processing/properties. In addition to the traditional focus areas of alloy development, processing, mechanical behavior, coatings, and environmental effects, studies can also involve technologies that contribute to improving manufacturability, affordability, life prediction, and performance of superalloys. Award recipients must travel to and attend the conference to receive the travel support associated with this award.

## **Criteria and Procedures**

The scholarship will be open and available to current PhD student members of Material Advantage and/or the TMS Graduate Student Program. The selection criteria and methodology will be based on established TMS student scholarships.

Applications will be submitted to TMS by March 15 using the official TMS Scholarship Application Form. Applications for TMS scholarships are to be made by the students themselves. In addition to information requested on the Scholarship Application, applicants must include an individual statement of 200 words or less describing career plans, reports on special projects, leadership roles, work experience, and community involvement. This is an opportunity for the applicant to convey specific career plans relating to a particular area of interest. Evidence of academic achievement (including rank in class) is an important factor; therefore, a transcript or facsimile of recent academic record and current GPA is required. Applications should include three recommendations from educators or employers. A resume or curriculum vitae, no longer than 5 pages, must be included. An application is valid for one year.

Awards are presented in conjunction with the Materials Science and Technology Conference with the exception of years when an International Symposium on Superalloys is held. In those years, awards will be presented at the International Symposium on Superalloys. Regardless of the event, award recipients receive a complimentary student registration, funded by the TMS Foundation Superalloys Fund, to attend and receive their award.

Current and previous applicants should participate in the [International Symposium on Superalloys](#) conference and [Materials Science and Technology Conference](#) by submitting an abstract.

Award recipients are also encouraged to participate in the [International Symposium on Superalloys](#), the [TMS Annual Meeting & Exhibition](#), and/or the [European Symposium on Superalloys and their Applications](#).

## **Student Eligibility Requirement**

1. The applicant must be a student member of Material Advantage and/or TMS Graduate Student Program.
2. Applicants must be a current PhD student enrolled full time in a metallurgical/materials science engineering program in a post-secondary institution and enrolled in a program on classical topics related to superalloys processing/properties.
3. Submitted coursework must be relevant to the scholarship for which the student is applying.
4. Grade Point Average (GPA) of 3.0 or higher required.

## **Judging Criteria**

Scholarship Application

Relevance of Coursework/Experience to Materials Science and Engineering Focus Academic Achievement

Activities in and out of School, Including  
Work Experience Leadership  
Personal Profile Statement Letters of Recommendation

### **Financial Statement**

This scholarship is funded by the TMS Foundation using a fund established by the TMS International Symposium on Superalloys Committee and replenished from proceeds from the quadrennial International Symposium on Superalloys.

## **APPENDIX B: INTERNATIONAL SYMPOSIUM ON SUPERALLOYS SYMPOSIUM TRADITIONS**

At the time of the Committee's transition from an independent organization into a committee of TMS, the traditions of the Symposium included, but were not limited to, the following.

- Early Fall Symposium timing (typically 5 days in September between 7-25)
- Symposium held at Seven Springs Resort in Champion, Pennsylvania
- Single-session format with high quality audio/visual oral and interactive poster arrangements
- Printed proceedings provided to attendees upon arrival
- Travel assistance to student presenters
- Reduced registration rate for student attendees
- Morning and evening sessions with afternoon's free for leisure activities
- Social events such as the Sunday night keynote mixer, Monday evening mixer, Tuesday dedicatee banquet, and shared dinners on Monday and Wednesday nights
- Registration gift

At the time of the transition, TMS leadership agreed that the traditions of the Symposium are important elements of the Symposium long-term success and culture. The Committee recognizes that propagation of these traditions individually and collectively depends on developing a budget for each Symposium that satisfies then-current meeting performance expectations set by the TMS Board of Directors. The Committee allows that, over time, it may wish to make changes to Symposium traditions based on evolving circumstances. The Committee will consider changes to the Symposium dynamically in the conduct of the Symposium so as to help assure that the Symposium best satisfies the Committee's mission to organize a high-quality event and to satisfy TMS meeting performance criteria.