

Overview of Information Required for an AVS National Student Award Application

The AVS Award nominations are now submitted using a web based system that can be found at: <https://avs.awardsplatform.com/>. [General Nomination Procedures Guidelines](#) document provides an overview of the nomination process for all professional and national student awards. This document summarizes the qualifications and award questions related to the AVS National Student Awards nomination. The nomination website asks for information in six areas: i) Award Category, ii) Scientific or Technical Contributions, iii) Professional Service, iii) Required Supporting Documents, iv) Referee Section, and v) Referee Description

The required information and nomination questions in each area for a **National Student Award** nomination are listed below to enable the nomination material to be assembled offline in preparation to entry into the web system. **If you are applying for a national award and a divisional award, please make 2 separate applications - one for the national award and one for the division.**

Purpose and Qualifications

The AVS National Student Awards are given to recognize and encourage excellence in continuing graduate studies in the sciences and technologies of interest to AVS. A total of eight national awards are given including: (5) named awards and three (3) Graduate Research Awards. The named AVS Graduate Student Awards include: The Dorothy M. and Earl S. Hoffman Award, the Nellie Yeoh Whetten Award, the Russell and Sigurd Varian Award, and two (2) Dorothy M. and Earl S. Hoffman Scholarships. The nominee [applicant] must be a registered graduate student in an accredited academic institution at the time when the applications are due.

Web questions or requested information for a National Student Award Application. Note: There are sections that the student nominee must complete as well as the student advisor (“referee section” and “referee description”).

Award Category

- Award Type: Student
- Category: Student –AVS National
- Nominees Name: (First Name, Last Name)
- Student Nominee Mailing Address:
- Student Nominee email Address:
- Select the Following: Male or Female This information is needed as one of the Awards (Nellie Yeoh Whetten) is gender based
- Is student nominee also applying for a Division/Group Student Award
Yes or No

- If applying for a National Student Award and a Divisional/Group Student Award please make 2 separate applications -- one for the National and one for the division/group. If not then please skip next question.
- Which Division/Group Student Award? (optional)
- College or University Attending
- List Month and Year Started
- Expected Degree and Field/Major of student nominee
- Month and Year of student nominee's expected degree completion
- GPA out of maximum possible
- Provide a concise, one sentence, summary statement that describes the focus of student nominee's work:
If student nominee is selected as a Finalist this will be used in the awards ceremony. Example: Whose main research focus is on...)

Scientific Contributions

*This section summarizes the research contributions for which the award would be given including a description of the body of work, an indication of quality and an assessment of the current or likely impact.
To be completed by the Student.*

- Describe your current research (<500 words) Include goals, objectives, approach for achieving the goals, progress and your program plans
- Describe what scientific and/or technological research motivates your work. (<100 words)
- Describe the impact you feel your research will have in the field. (<300 words)

Publications & Presentations

- List the student nominee's papers and patents including exact titles, names of authors dates, and journals (as appropriate). Please indicate if the student nominee is the first author or equivalent.
- List the presentations and posters for which the student nominee is the speaker or poster presenter

Professional Service

- Describe any of the student nominee's professional service on the local, regional or national level. This should include any technical/professional society leadership or professional or scientific outreach including elected or appointed positions and AVS involvement. (<300 words)
- Other leadership activities or professional recognition the student nominee may have received. (<300 words)

Required Supporting Documents

The following documents must be uploaded using an **Add Attachments** button.

- 1) A CV (PDF Format) for the student which should include education and employment history with dates, research interests, professional service and outreach and recognition and awards. **2 pages maximum**
- 2) The abstract (PDF format) submitted to the 65th (2018) AVS International Symposium and Exhibition for which the student is the presenter.
- 3) Head shot (high resolution 300 DPI jpg). If selected for a National Student Award will be used during the awards ceremony.
- 4) Have your advisor complete the last two required sections by the submission deadline -- Referee Section and Referee Description.

Referee Section

The Awards Committee would like to remain neutral in considering the candidate's gender and institution. Please refer to "the student, or the applicant" rather than using "he" or "she". Please also do not refer to the name of the student's institution or workplace. Thank you."
To be completed by the Student Advisor

- Name of Student Recommender (First Name, Last Name)
- Student Recommender email Address:
- List how long you have known applicant (years or months)
Please indicate either in months or years. For example 2 years or 2 months ensuring that either the words month or year is in your response.
- I have known the applicant as: (check as many as that apply)
 - an undergraduate intern
 - an undergraduate research assistant
 - an undergraduate teaching assistant
 - a graduate student
 - a graduate research assistant
 - a graduate teaching assistant
 - summer intern
- I have served as the applicant's: (check as many as apply)
 - teacher in only one undergraduate class
 - teacher in several undergraduate classes
 - teacher in only one graduate course
 - teacher in several graduate courses
 - graduate research advisor
 - graduate advisor
 - graduate department chairperson
 - undergraduate department chairperson
 - undergraduate research advisor
 - undergraduate major advisor
 - summer research advisor

employer
other

- The applicant's degree of mastery of the fundamental knowledge in the general field is
 - Below Average (Lowest 40%)
 - Average (Middle 20%)
 - Good (Next 20%)
 - Very good (Next 15%)
 - Outstanding (Next 4%)
 - Truly Exceptional (Top 1%)
 - The applicant's knowledge of, and ability to use the basic laboratory and/or computational techniques in the field are:
 - Below Average (Lowest 40%)
 - Average (Middle 20%)
 - Good (Next 20 %)
 - Very good (Next 15%)
 - Outstanding (Next 4%)
 - Truly Exceptional (Top 1%)
 - The applicant's self-reliance and independence in scientific work are:
 - Below Average (Lowest 40%)
 - Average (Middle 20%)
 - Good (Next 20 %)
 - Very good (Next 15%)
 - Outstanding (Next 4%)
 - Truly Exceptional (Top 1%)
 - The applicant's possession of a fertile imagination and originality in the field are:
 - Below Average (Lowest 40%)
 - Average (Middle 20%)
 - Good (Next 20 %)
 - Very good (Next 15%)
 - Outstanding (Next 4%)
 - Truly Exceptional (Top 1%)
 - Comparing the applicant with a representative group of students in the same field who have had approximately the same amount of experience and training, how do you rate the applicant in general all-around scientific ability?
 - Below Average (Lowest 40%)
 - Average (Middle 20%)
 - Good (Next 20 %)
 - Very good (Next 15%)
 - Outstanding (Next 4%)
 - Truly Exceptional (Top 1%)
- GPA out of maximum possible

Referee Description

The Awards Committee would like to remain neutral in considering the candidate's gender and institution. Please refer to "the student, or the applicant" rather than using "he" or "she". Please also do not refer to the name of the student's institution or workplace. Thank you."
To be completed by the Student Advisor

- Please describe briefly the most notable strengths and weaknesses of the applicant at the present stage of development which may be pertinent to his/her career as an applied scientist or engineer. (<100 words)
- Please add any additional descriptive comments you may wish to make concerning the applicant's ability and potential as an applied scientist or engineer. (<100 words)
- In your opinion, is the applicant's scholastic record, as it is known to you, an accurate index of his or her overall scientific ability, taking into account the grading standards of the applicant's schools? Please explain. (<100 words)

Shown below is part of the first page of the web based nomination form for the National Student Award nomination:

The screenshot shows a web browser window with the URL avs.awardsplatform.com/entry/awards/start. The page title is "My nominations > Start nomination". A navigation menu on the left includes "Setup guide", "Nominations", "Manage nominations", "Qualify nominations", "Judge nominations", "My nominations", "Users", "Judging", "Content", and "Settings". The main content area is titled "Start nomination" and includes a note: "All questions must be answered, unless marked optional." Below this are several tabs: "Award Category", "Scientific Contributions", "Publications & Presentations", "Professional Service", and "Required Supporting Documents". The "Award Category" tab is active, showing a dropdown menu for "Award type" (set to "Student") and "Category" (set to "Student - AVS National"). Below these are input fields for "First Name Last Name", "Student Nominee Mailing Address", and "Student Nominee Email Address". A section for "Select the following:" includes radio buttons for "Male" and "Female". At the bottom, there is an optional field for "Name of nominator if other than the student nominee, (optional)". A text box on the right provides information about the AVS National Student Awards, listing various award types and stating that the nominee must be a registered graduate student in an accredited academic institution at the time of application. The Windows taskbar at the bottom shows the time as 1:54 PM on 2/5/2017.