

# Doctoral Research Grants and Eugene F. Knott Memorial Pre-Doctoral Research Grants for 2020

**T**he IEEE Antennas and Propagation Society (AP-S) awards up to five \$2,000 pre-doctoral grants and up to seven \$4,000 doctoral grants each year to encourage students to pursue careers in the area of electromagnetics. The pre-doctoral grant honors the memory of Eugene F. Knott, who was a distinguished researcher and contributor to the Society. The grants are intended to support students involved in research directed by a faculty member at their institution who is a member of the IEEE AP-S.

## *To be eligible, each applicant must:*

- be an undergraduate (3-5 year program), master's, or PhD student enrolled in electrical engineering or a related field at an accredited institution of higher learning. Students pursuing BS and MS degrees should apply for the pre-doctoral grant, and those pursuing PhD degrees should apply for the doctoral grant.
  - if competing for a doctoral grant, be a member of the IEEE AP-S at the time of application.
  - have completed or be enrolled in at least one electromagnetics course at the time of application.
  - show strong interest in a career in the area of electromagnetics.
  - have the endorsement of a university/college faculty member at the student's institution who is a member of the IEEE AP-S.
  - intend to work on a research project of at least one year in length that falls within the field of interest of the IEEE AP-S. The project may be started before the grant recipients are announced but must end before the student's current degree requirements are completed. Applicants who expect to graduate fewer than six months after the application deadline are not eligible.
- a cover sheet with the complete contact information for the student and the faculty advisor, including the student's and advisor's IEEE member numbers and the student's application status (pre-doctoral or doctoral).
  - a complete curriculum vitae or resume that includes periods of attendance at all schools, expected and completed graduation dates, and a list of published and submitted journal and conference papers.
  - a project proposal no more than two pages long (including figures) with a font size of at least 11 points. The proposal must include at least one paragraph that describes the technical interests and skills of the student and how they relate to the project. The list of references may extend to a third page.
  - a recommendation letter from the faculty advisor, who must be a member of the IEEE AP-S. The letter must discuss the academic preparation and quality of the student, the potential of the student to contribute to the electromagnetics profession in the future, and the student's ability to perform the proposed research. The advisor must also verify that the student is or has been enrolled in at least one electromagnetics course and will work on the project for at least one year prior to graduation.

Previous recipients of pre-doctoral grants are eligible for doctoral grants, but a student may receive only one grant of each type. An advisor may endorse one pre-doctoral applicant and/or one doctoral applicant at a time.

## *Selection criteria:*

- Creativity and quality of the proposed project and the thoroughness with which it is described
- Discussion of the technical interests and skills of the student and how they relate to the proposed project
- Quality of writing in the proposal, including spelling, grammar, word choice, organization, style, clarity of figures, etc.
- Recommendation letter, with particular emphasis on the items listed in the fourth bullet below

Applications must include all four items listed above to be considered for review. All application materials must be written in English and be integrated into a single PDF document. An advisor who does not wish to have his/her student view the recommendation letter should submit the application for the student. Submit applications at the following web site:

<https://ieeeaps.egr.gvsu.edu>

A link to the site should be available at the official AP-S web site. Each grant recipient will be required to submit a photo to be used in an announcement in the IEEE Antennas & Propagation Magazine and to complete a United States Internal Revenue Service Form W-8 or W-9. Disbursement of award funds will be contingent on receipt of the photo and the appropriate form. All applicable taxes are the responsibility of the recipient.

## *Questions and other correspondence should be directed to:*

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**DEADLINE: October 1**