



IEEE Antennas and Propagation Society Fellowship Program

Description

IEEE Antennas and Propagation Society (AP-S) allocated \$240,000 for its new Fellowship Program in 2022. The Fellowship Program is introduced to promote the Society's areas of interest (listed below) among graduate students and postdoctoral fellows worldwide to facilitate their career pursuit in these areas. Applications are invited from graduate students and postdoctoral researchers in conjunction with a faculty supervisor or industry supervisor to conduct a research program during the academic year 2022-2023. The AP-S is committed to diversity and welcomes applications from women, individuals from racial/ethnic populations demographically underrepresented in engineering, veterans, and individuals with disabilities. AP-S will rank APSF applicants to ensure such diversity.

Note: AP-S Fellowship (APSF) may be held in conjunction with AP-S travel grants and other AP-S awards.

Eligibility

To be eligible to **apply**:

- Both the applicants and their supervisor must be a member of the IEEE AP-S
- Students must be enrolled in a full time Master's or Doctoral degree program at an accredited institution at the time of the application
- Postdoctoral applicants must hold a full-time appointment at an accredited institution at the time of the application
- Students must have a cumulative grade point average (GPA) greater than 75% of the maximum GPA attainable at the institution in which they are enrolled
- Postdoctoral researchers must have a cumulative grade average of 75% in their completed doctoral degree
- A maximum of two APSFs are allowed per student or postdoctoral fellow in the duration of graduate studies or postdoctoral research
- Postdoctoral fellows must have at least 2 articles published or accepted to publication in journals covering areas of AP-S interests
- Student or postdoctoral fellow planning to graduate or complete their postdoctoral work in 2022 must:
 - be a full-time student or postdoctoral fellow during at least one semester in 2022
 - indicate how the APSF will be used in remaining months of 2022 after graduation or completion of the postdoctoral program
- Student or postdoctoral fellow planning to start their studies or postdoctoral work in 2022 must be a full-time student or postdoctoral fellow during at least one semester in 2022
- Supervisor is not allowed to sponsor more than one APSF recipient during 2022

Value of Awards

- APSF value is US\$5,000 to support research project specified in application
- APSF will be paid directly to the recipient (student or postdoctoral fellow)

Timeframe

- Project must continue for at least two semesters (26 academic weeks or longer) during 2022-2023 academic year
- Project may commence on any date agreeable to both the student and the supervisor
- It is expected that students and postdoctoral recipients of the APSF will remain active and engaged members of AP-S for at least 3 years from the date of award

Project Site

- For students and postdoctoral fellows: Accredited universities worldwide
- For postdoctoral fellows only: Companies having a line of business in the AP-S areas of interests (listed below)

Advising Process

Professors and industry supervisors must be individuals who are authorized by the university or company to conduct direct independent supervision of the student or postdoctoral fellow.

Areas of Interest

Projects must be within the scope of AP-S areas such as: antennas, including analysis, design, development, measurement, and testing; radiation, propagation, and the interaction of electromagnetic waves with discrete and continuous media; and applications and systems pertinent to antennas, propagation, and sensing, such as applied optics, millimeter- and sub-millimeter-wave techniques, antenna signal processing and control, radio astronomy, and propagation and radiation aspects of terrestrial and space-based communication, including wireless, mobile, satellite, and telecommunications.

Application Process

Student together with their supervisor must fill out the application form containing the outline of the proposed research project (see the application template accompanying this Call for Proposals) and must submit the student's official current transcript with the information required to confirm eligibility. If information required for confirmation of eligibility is unavailable in the official transcript, proposed supervisors must write a one-page support letter indicating how each of the eligibility criteria is fulfilled.

Evaluation Process

Evaluation of the applications will be conducted by the jury assembled by the AP-S based on the following 4 criteria:

- Academic standing of the applicant (Grade Point Average (GPA), when applicable)
- Publications
- Quality of the application
- Awards received for academic and research work

Deadline

Complete applications must be submitted electronically (from e-mail address of the accredited institution of current affiliation) as a single pdf file to Prof. Vladimir Okhmatovski (Vladimir.Okhmatovski@umanitoba.ca) by June 30, 2022 with subject line “APSF’2022: Last Name, First Name – Application”. Advisor letter of support and evaluation form are to be emailed as a single pdf file from advisor’s official email address at the academic/industry institution with subject line “APSF’2022: Applicant’s Last Name, Applicant’s First Name – Reference”. Advisor must also provide link to the institutional webpage link listing him/her as the faculty/staff member (if such cannot be provided, please send request to make special arrangements for verification of identity/affiliation). Applications and/or recommendations received from 3rd party e-mail addressees (e.g. Gmail, etc.) will not be considered.

Notification of Results

IEEE AP-S will send an award decision to each applicant after the screening process is completed.

APSF Payment

Student and postdoctoral fellows will receive APSF payment in one installment of US\$5000 each. AP-S will require students to fill out and submit forms W8/9 to process the payments.

Project Report

Recipients of the APSF will have to submit a final report describing accomplishments of their project by June 30, 2023. The report will contain information on how the APSF assisted the recipient in publication of journal papers, delivering of conference presentations, filing of patents, securing job placements, assisting entrepreneurial initiatives, and other accomplishments.

Travel Allowances

APSF is not intended for covering travel expenses.

For More Information

Please contact Prof. Vladimir Okhmatovski at Vladimir.Okhmatovski@umanitoba.ca