

Application Procedure

Starting February 2019, the EuMA Young Professional Team is launching the EuMA Internship Award. Every year seven awards of 3000 € each will be given to selected Master and PhD students to spend a period of at least 3 months abroad in one of the leading European microwave industries, universities and research institutes supporting this initiative.

In addition to promote mobility of students that would like to work in the microwave field across European Institutions, the awards will also attract new talents to the hosting organizations and will help creating a larger and stronger community of microwave young professionals.

Eligible Master and Doctoral students with a background in engineering, computer science, mathematics or physics can apply using this [link](#). This document provides a description of the application procedure including all relevant information, dates, and list of documents to be provided that are necessary to complete the application for the EuMA Internship Award.

The award is a subsistence by EuMA that is to facilitate an internship of the candidate at the respective host institution. The internship itself is a matter between the candidate and the host institution, i.e., the legal framework and the details of the internship will be settled in an agreement between the candidate and the host institution. This includes also insurance issues, which are not part of the EuMA award.

1. Objectives

- Provide opportunities to Master and PhD students to carry out a stimulating work experience at one of the leading European microwave industries, universities, and research institutes within the EuMA network.
- Provide an incentive to potential new professionals to join the microwave community.
- Promote and extend the microwave community and network across industry, academia and research institutes.

2. Eligibility

- Master and PhD students at the time of application.
- Fluent in English.
- Background in computer science, engineering, mathematics, or physics.
- Candidates that were awarded once with the EuMA Internship Award cannot apply a second time to the same award.
- Further restrictions may apply depending on host Institution.

3. Economic contribution

- Selected candidates will be awarded 3000 € each to spend a period of at least 3 months abroad in one of the European microwave industries, universities and research institutes supporting this initiative.
- A total of 7 awards per year will be given.
- The award money will be paid in one installment at the beginning of the internship period, once the agreement between host and candidate is signed.

4. Duration and planning

- Duration of the internship must be a minimum of 3 months, but host and awardee may agree on a longer duration.
- We suggest a time frame of one year to complete the internship abroad, starting with the official notification of the award winners.

5. Departure Requirements

- A valid visa, if non-European applicant.
- For the duration of the internship, awardee should neither be employed by a company nor be a consultant to a company.

6. Awarding

- Selected awardees will be notified officially by e-mail the 15.06.2019.
- Internship Award results will also be posted on different channels (i. e. EuMA International Journal of Microwave and Wireless Technologies, EuMA website and social media).

7. Internship monitoring

- As stated in the introductory remarks, the internship is a bi-lateral agreement between the candidate and the host institution.
- Accordingly, monitoring of internship will be done by host that will assign a supervisor to awardee for the duration of the internship.
- The internship is governed by the respective rules at the host institution. This is true for intellectual property of work during internship, for instance.
- Once the internship is finished, awardees may deliver a voluntary feedback form to EuMA Internship Award Committee explaining their internship experience.

8. List of hosts and topics of interest

Candidates will select their desired host Institution and corresponding topic of interest from list provided below. A minimum of 2 hosts in a ranked order should be selected.

#	Host institution	Point of contact	Topics
1	Thales NL the Netherlands	Willem Hol	<ul style="list-style-type: none"> • Radar system and suite related concepts • RF front-ends • Algorithms, signal and data processing including e.g. machine learning for classification • Internship at Delft or Hengelo depending on topic

2	Rfmicrotech Italy	Roberto Sorrentino	<ul style="list-style-type: none"> • Microwave Filters • Active and scanning antennas • Microwave & RF components for space applications • Microwave industrial sensors
3	TNO the Netherlands	Frank van den Bogaart	<ul style="list-style-type: none"> • RF electronics, MMICs • Antennas • Passive and active filters • Radar signal processing • Radar concepts & architectures • Quantum (radar) sensing
4	IEMN Lille France	Guillaume Ducournau Kamel Haddadi	<ul style="list-style-type: none"> • On-wafer S-parameters measurements up to 750GHz: design of calkits and associated calibration procedures • Passive and active devices characterizations • Measurement of antenna based systems in 140-650 GHz frequency range for mm-wave communication applications • V-band RADAR development for vital signals detection. (Master)
5	XLIM France	Dominique Baillargeat	<ul style="list-style-type: none"> • RF front-ends (antennas, passive and active components) • Heterogeneous 3D integration • RF nanopackaging / RF nanotechnologies • Additive manufacturing • Design / Fabrication / Characterization
6	University of Pavia Italy	Luca Perregrini	<ul style="list-style-type: none"> • Components and systems in substrate integrated waveguide technology • Additive manufacturing of microwave components • Antennas for telecom and space communication • Numerical methods for analysis and design of passive components • Mm-wave imaging system for medical applications
7	Ferdinand-Braun-Institute (FBH) Germany	Wolfgang Heinrich	<ul style="list-style-type: none"> • Microwave Power Amplifiers: Digital Transmitters • Electromagnetic Simulation • On-wafer antenna measurements

8	Fraunhofer FHR Germany	Peter Knott	<ul style="list-style-type: none"> • On-wafer MIMO measurements • 3D Radar Imaging • Waveform design with Artificial Intelligence • Forward Scatter Radar • Multi-function sensors and distributed radars • Antenna measurement techniques • Propagation effects
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9. Application Procedure

1. Every candidate must complete the application online available at EuMA website using this [link](#). Candidates will select their desired host institutions and corresponding topics of interest from the list provided. A minimum of 2 hosts in a ranked order should be given. Submission deadline will be 12:00 CET on the 28.02.2019.

Documentation to be provided:

- Motivation letter that should include reason for desired host from EuMA list and description of expected achievements and intended work during the Internship.
 - CV (recommended maximum 2 pages).
 - Reference letter from professor (also confirming student link with University).
 - Degree and Master marks from University.
2. Pre-acceptance notification from EuMA Award Committee in order to proceed with further steps of selection process will be provided by 28.03.2019.
 3. In case of pre-acceptance, candidates must contact the host institution and arrange an interview. As a result of this process, students will get an acceptance letter from host that must be uploaded through the online form before the 28.05.2019. Candidates who do not get their acceptance letter from the host in time will be excluded from the competition and allocation of an internship in one of the European microwave industries, universities and research institutes supporting this initiative.
 4. Selected awardees by EuMA Award Committee and corresponding hosts will be notified officially by 15.06.2019. Selection process results will also be posted on EuMA website.
 5. From acceptance notification, awardees are suggested to complete the internship abroad within a time frame of one year, period ending the 15.06.2020. Duration of the internship must be a minimum of 3 months, but host and awardee may agree on a longer duration.

10. Selection and Ranking Process

The list of documents provided by the candidate will be evaluated according to the criteria described below:

Input	Score	Criteria
CV Degree and Master marks Reference letter from professor	0 – 10 Pts.	Merits of the candidate
Motivation letter	0 – 10 Pts.	Personal motivation Quality of the proposal Strengthening of new bonds across Europe Mobility of the candidate within different countries
Acceptance letter from host	Go / No-Go decision	
Total	0 – 20 Pts.	