



Two (2) PhD student positions in the project SMARTWAVE

**Metamaterial based, radio frequency and millimetre wave phase shifters for future generation phased array antenna applications
(Call: H2020-EIC-FETPROACT-2019, GA 952088)
Funded under H2020-EU.1.2.2.-RIA**



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

**Ref. 49034
Heraklion 17/3/2021**

The Institute of Electronic Structure and Laser (IESL) of the Foundation for research and Technology Hellas (FORTH), in the framework of the project SMARTWAVE, (Call: H2020-EIC-FETPROACT-2019, GA ID 952088, P.I. Dr G. Deligeorgis), funded under H2020-EU.1.2.2.- Research and Innovation action, is seeking to recruit two (2) PhD students for designing of metamaterial-based phase-shifters and transmission lines.

Job Description

The positions concern designing and optimization of metamaterial-based phase shifters and transmission lines. For that reason metamaterials with permittivity near zero, permeability near zero, impedance near zero or very large impedance need to be designed and combined properly with the traditional conventional components as to optimize the performance or to reduce the size of the components.

Required qualifications

- Bachelor in Materials Science (50%)
- Master in Materials Science (20%)
- Experience (at least 1 year) in the study of metamaterials or other photonic materials (10%)

Desirable qualifications

- Knowledge of either CST or COSMOL commercial solvers (10%)
- Good knowledge of English (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): May 1, 2021

Project Duration: 8 Months with possibility of extension according to the needs of the project

Budget: 750 euro (monthly)

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **April 1, 2021, 23:59 local Greece** time to the address (hr@iesl.forth.gr), with cc to Associate Prof. Maria Kafesaki (kafesaki@iesl.forth.gr).

In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage <https://www.iesl.forth.gr/en/jobs-bids/jobs/job-positions>)
- Detailed curriculum vitae (CV) of the candidate
- Scanned Copies of academic titles
- Certificate for enrollment in PhD program

Any application received after the deadline will not be considered for the selection

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the secretariat (hr@iesl.forth.gr), tel. +30 2810-391301.

For information and questions about the advertised position and the research activity of the group or the institute, candidates are asked to contact Associate Prof. Maria Kafesaki (kafesaki@iesl.forth.gr), tel. +30 2810-391547.

Selection Announcement

The result of the selection will be announced on the website of IESL-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the IESL secretariat within five (5) working days since the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of IESL-FORTH in line with the Hellenic Data Protection Authority.

GDPR

FORTH is compliant with all legal procedures for the processing of personal data as defined by the **Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data**. FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law. FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law. We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws. We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr. You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.