



One PhD student position in the project

NANOPOLY

Artificial permittivity and permeability engineering for future generation sub wavelength analogue integrated circuits and systems

(Call: H2020-FETOPEN-2018-2019-2020-01, GA 829061)

Funded under H2020-EU.1.2.1. - RIA



**European
Commission**

**Horizon 2020
European Union funding
for Research & Innovation**

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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 NANOPOLY, (Call: H2020-FETOPEN-2018-2019-2020-01, Proposal number: 829061) funded under H2020-EU.1.2.1. - RIA, is seeking to recruit one (1) PhD student for designing of metamaterial-based circuit components.

Job Description

The position concerns designing and optimization of metamaterial-based electronic circuit components. 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 circuit components (such as waveguides, antennas and stubs), 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 2 years) 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: 5 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>)
- Brief CV
- 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, please contact Prof. Kafesaki Maria (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) 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.