



One (1) post-doc position in the project

NANOSMART

NANO components for electronic SMART wireless systems

(Call: H2020-ICT-2018-2, GA 825430)

Funded under H2020-EU ICT-07a-2018



**European
Commission**

**Horizon 2020
European Union funding
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The Institute of Electronic Structure and Laser (IESL) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project NANOSMART, (Call: H2020-ICT-2018-2, Proposal number: 825430) funded under H2020-EU ICT-07a-2018, is seeking to recruit one (1) Junior Researcher (Postdoctoral fellow) on 2D and 1D electronics.

Job Description

A Postdoctoral fellow position is open within the European project NANOSMART (<https://project-nanosmart.com/>) the focus of the project is to develop next generation integrated electronics based on 2D materials and Carbon nanotubes for high frequency analogue circuits such as wireless communications and Radar applications. What we offer: The group is an academic environment (coexisting with the University of Crete) with several students working in the lab and strong connections to companies and SME's across Europe. (https://www.iesl.forth.gr/en/research/MRG_flatland) There is an existing network of collaborators exchanging material and device samples across Europe funded by several ongoing European projects. The group also has direct access to a full range of microelectronics clean room facility and is able to process devices based on Carbon nanotubes, Graphene and Transition metal dichalcogenides (TMDCs) as well as traditional semiconductors. We also have an in house extended range of electrical and structural characterization equipment. We offer a full time, 1 year experimental Postdoctoral fellow position with possible extension upon mutual agreement. What we are looking for: A candidate that is willing to work in close collaboration with existing team members towards fabrication, characterization and optimization of various device types including FETs and sensors based on CNT and TMDC technology. The focus will be at least initially be on measurement and characterization. Although scientific progress is the primary goal the group is typically working on deadlines to meet project driven demands. The ideal candidate should have experience in electrical measurements and or basic integrated electronic devices characterization. Prior experience in experimental work in microelectronics characterization would be an asset. High frequency measurements (VNA) would also be beneficial although not required.

Nikolaou Plastira 100
Vassilika Vouton
GR 700 13 Heraklion
Crete, Greece
Tel. +30 2810-391300-2
Fax +30 2810391305
Email: iesl@iesl.forth.gr

Required qualifications

- PhD in experimental physics and/or electrical engineering (30%)
- Experience in electrical measurements and / or microelectronics characterization (30%)

Desirable qualifications

- Experience in high frequency electrical measurements (20%)
- Experience in CNT and / or 2D material devices and measurements (20%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): October 1, 2020

Project Duration: 12 Months with possibility of extension according to the needs of the project

Monthly Salary: 1100 - 1200 euro

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **August 31, 2020, 23:59 local Greece** time to the address (hr@iesl.forth.gr), with cc to Dr George Deligeorgis (deligeo@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

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 Dr George Deligeorgis (deligeo@iesl.forth.gr), tel. +30 2810-394112.

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.