HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT AND INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION

Ministry of Digital Governance, Hellenic Republic
Digitally signed by Ministry of Digital Governance, Hellenic Republic
Date: 2021.04.16 14:41:04 EEST
Reason:
Location: Athens

FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS
INSTITUTE OF ELECTRONIC STRUCTURE AND LASER

Two (2) research assistant positions in the project

Nanolace

Mask Based Lithography for Fast, Large Scale Pattern Generation with Nanometer Resolution

(Call: H2020-FETOPEN-2018-2019-2020-01, GA 863127)
Funded under RIA, H2020-EU.1.2.1.

European Commission | Horizon 2020 European Union funding for Research & Innovation

Ref. 51213
Heraklion 16/4/2021

The Institute of Electronic Structure and Laser (IESL) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project Nanolace, (Call: H2020-FETOPEN-2018-2019-2020-01, Grand agreement ID: 863127) which is a Research and Innovation action (RIA) funded under H2020-E.U.1.2.1. – FET Open, is seeking to recruit two (2) research assistants.

Job 1
Experimental Cavity Enhanced Microscopy.

Description
The successful applicant will first examine theoretically and later experimentally a novel method for using optical the enhancement of optical imaging of weakly absorbing samples.

Required qualifications

- Demonstrated experience in Simulating the Interaction between a Quantum system and Electromagnetic field (15%)
- A Bachelor and/or Master degree in Physics (15%)
- Demonstrated experience in programming using Python (10%)
- Some experience in the quantum theory of (Raman) scattering (10%)

Desirable qualifications

- Electronic circuit design and implementation (20%)
- Good knowledge in programming (C, MATLAB) (10%)
- Good knowledge in Ultrafast Pulse Phenomena (10%)
- Good knowledge of English (10%)

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Vassilika Vouton
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Crete, Greece
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Job 2

Bose Einstein Condensation and matter-wave interferometry in Ring Potentials.

Description

The successful candidate will work on our BEC machine to produce Bose-Einstein Condensates (BEC) in ring-sh with view towards matter-wave interferometry.

Required qualifications

- Demonstrated experience on the construction and operation of Magneto-optical Traps for RB87 (25%)
- Demonstrated experience in Saturation absorption spectroscopy and laser frequency locking (10%)
- Demonstrated experience in Saturation absorption spectroscopy and laser frequency locking (15%)

Desirable qualifications

- Experience Microprocessor programming (20%)
- Good knowledge in programming (C and Wolfram Mathematica) (20%)
- Good knowledge in Optical design software (Optiwave, ZEMAX, and/or Tracepro) (10%)

Location: IESL-FORTH, Heraklion Crete GREECE
Start Date (earliest): June 1, 2021
Project Duration: 12 Months with possibility of extension according to the needs of the project

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **May 1, 2021, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Coordinator Dr Wolf von Klitzing (wvk@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 Wolf von Klitzing (wvk@iesl.forth.gr), tel. +30 2810-391545.

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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.

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