



One (1) PhD candidate & one (1) post-doc positions in the project

Skinakas Observatory Upgrade for Optical and Quantum Communication
Funded under the European Space Agency – ESA (ESA Contract No. 4000140646/23/NL/AF)



Ref. 129225
Heraklion 29/12/2023

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL-FORTH), in the framework of the project « Skinakas Observatory Upgrade for Optical and Quantum Communication», 22SkinUP, is seeking to recruit one (1) PhD candidate & one (1) post-doctoral researcher

PhD candidate

The successful candidate will take part in the construction of a matterwave optics device. Quantum, degenerate clouds of ultra cold atoms will be manipulated, using magnetic lenses in a way that resemble closely the manipulation of photons by glass lenses. The aim is to achieve arbitrary 2D and 3D atom distributions at nanometric sizes.

Required qualifications

- Master or diploma thesis in physics or related domains (25%)
- Experience in a research laboratory in experimental physics (25%)
- Experience in experimental Optics, quantum mechanics, spectroscopy or related (15%)

Additional qualifications

- Well-trained in quantum mechanics (15%)
- Demonstrated ability to work both independently and in a team (10%)
- Fluent in English, both in written and all form (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): 1st of March, 2024

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

Monthly salary: 900 euro (net)

Post-doc

The successful candidate will take part in the construction of a matterwave optics device. Quantum, degenerate clouds of ultra cold atoms will be manipulated, using magnetic lenses in a way that resemble closely the manipulation of photons by glass lenses. The aim is to achieve arbitrary 2D and 3D atom distributions at nanometric sizes.

Required qualifications

- PhD in physics or related domains (25%)
- Experience in experimental research involving optics (25%)

Additional qualifications

- Demonstrated ability to work both independently and in a team (25%)
- Well-trained in quantum mechanics (15%)
- Fluent in English, both in written and all form (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): 1st of March, 2024

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

Monthly salary: 1200 - 1500 euro (net)

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **January 29, 2024, 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>)
- Detailed curriculum vitae (CV) of the candidate
- 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 the scientific coordinator Dr Wolf von Klitzing (wvk@iesl.forth.gr).

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.