HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION

Ministry of Digital Governance

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Date: 2024.01.31 13:24:14 EET
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FORTH
FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS
INSTITUTE OF ELECTRONIC STRUCTURE AND LASER

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

BREATH RESEARCH INTERACTIONS AND DEVELOPMENT VIA GUIDANCE AND EXCHANGES

(Call: HORIZON-WIDERA-2021-ACCESS-03-01, GA 101079421)

Funded under European Research Executive Agency

Funded by the European Union

Ref. 131793
Heraklion 31/1/2024

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL-FORTH), in the framework of the project BRIDGE (P.I. Dr Emm. Stratakis, Call: HORIZON-WIDERA-2021-ACCESS-03-01, GA number: 101079421), funded under European Research Executive Agency, is seeking to recruit one PhD candidate and one post-doc.

Job Description for PhD candidate position

Development of novel perovskite-based materials or/and other relevant semiconductors for the detection of environmental gases and Volatile Organic Compounds, (VOCs) in breath. The work involves the synthesis of materials and also the design and fabrication of the set-up for the gas detection. This project is in collaboration with Istituto Italiano di Tecnologia (IIT)| in Genova and Fraunhofer's Institute for Process Engineering and Packaging (IVV) in Germany.

Required qualifications

- Bachelor's degree (B.Sc.) in physics, chemist or material science (20%)
- Postgraduate Diploma in physics, chemist or material science (30%)
- Experimental laboratory experience in materials development and characterization techniques (30%)
- Relevant publications (20%)

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Job Description for post-doc position

Development of novel perovskite-based materials or/and other relevant semiconductors for the detection of environmental gases and Volatile Organic Compounds, (VOCs) in breath. The work involves the synthesis of materials and also the design and fabrication of the set-up for the gas detection. This project is in collaboration with Istituto Italiano di Tecnologia (IIT)| in Genova and Fraunhofer's Institute for Process Engineering and Packaging (IVV) in Germany.

Required qualifications

- Bachelor's degree (B.Sc.) in physics, chemistry, or materials science (20%)
- PhD in physics, chemistry, or materials science (30%)
- Experimental laboratory experience in materials development and characterization techniques (structural, optical, electrical) (30%)
- Relevant publications (20%)

Location: IESL-FORTH, Heraklion Crete GREECE
Start Date (earliest): April 1, 2024
Budget (PhD candidate): 750 – 900 euro
Budget (post-doc): 1650 – 1800 euro (gross)
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 **February 10, 2024, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Responsible, Dr Emmanuel Stratakis (stratak@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 a 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 Dr Emmanuel Stratakis (stratak@iesl.forth.gr), tel. +30 2810-391274.

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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