



Four (4) PhD student positions in the project
Beyond_Anderson
Non-Hermitian Transport in Anderson forbidden land
(Call: ERC-2021-COG, GA 101045135)
Funded under HORIZON-AG - HORIZON Action Grant Budget-Based



**Funded by
the European Union**



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The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL -FORTH), in the framework of the project Beyond_Anderson, (Call: ERC-2021-COG, GA 101045135), funded under HORIZON-AG - HORIZON Action Grant Budget-Based, HORIZON Action Grant Budget-Based, is seeking to recruit four (4) PhD students.

Job 1

Study of optical sensitivity around optical exceptional points
Conducting research on the optical response of coupled waveguides and/or periodic lattices close to exceptional points

Job 2

Non-Hermitian topological physics in optical lattices
Conducting research on the topological properties of non-Hermitian optical lattices of photorefractive nonlinear crystals.

Job 3

Optical Beams and Polarization engineering in complex media
Study of methods to control polarization of accelerating beams in free space and inside guided structures.

Job 4

Imaging methods for non-Hermitian photonic systems

Application of optical imaging methods in optical fibers, waveguide lattices and disordered systems that contain gain and/or loss.

Required qualifications

- Bachelor degree grades (30%)
- Master's degree grades (20%)
- Research experience in the position's topic (20%)

Desirable qualifications

- Publications related to the position's topic (20%)
- Knowledge of MATLAB computational methods (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): January 1, 2023

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 **November 28, 2022, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Responsible, Assoc. Prof. (makris@physics.uoc.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 Assoc. Prof. (makris@physics.uoc.gr), tel. +30 2810-394227.

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.