



HELLENIC REPUBLIC  
MINISTRY OF DEVELOPMENT & INVESTMENTS  
GENERAL SECRETARIAT FOR RESEARCH AND TECHNOLOGY



## Two (2) MSc student position in the project

### “PASIPHAE”

## Overcoming the Dominant Foreground of Inflationary B-modes: Tomography of Galactic Magnetic Dust via Measurements of Starlight Polarization

(Call: ERC-2017-COG, GA 771282)

**Funded under H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council (ERC)**

Ref. 42585

Heraklion, 08.12.2020

The Institute of Astrophysics (IA) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project PASIPHAE, (Call: ERC-2017-COG, Proposal number: 771282) funded under H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council (ERC) - Technologies for Factories of the Future, is seeking to recruit two (2) Masters student.

**Title:** “Analysis of Optopolarimetric Observations with Statistical and Machine Learning Tools”.

### Job Description

Analysis of optopolarimetric observation using Machine Learning algorithms such as deep learning and advanced statistics to classify observer objects and remove artifacts from raw observations.

- \* Candidates need to have BS degree in Physics
- \* Candidates need to be fluent in English (level: Proficiency or equivalent)
- \* Candidates must be registered in an MSc Program in Physics or Astrophysics.
- \* Candidates must have background in machine learning and data science (formal course and/or project)

### Required qualifications

- Grade of BS Degree in Physics (60%)
- GPA on Astrophysics Courses (40%)

**Location:** IA-FORTH, Heraklion Crete GREECE

**Start Date (earliest):** February 1, 2021



European  
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Horizon 2020  
European Union funding  
for Research & Innovation

[www.ia.forth.gr](http://www.ia.forth.gr)

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**Project Duration:** 3 Months with possibility of extension according to the needs of the project  
**Monthly Salary:** 500 euro

### Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **December 23, 2020, 23:59 local Greece** time to the address ([info@ia.forth.gr](mailto:info@ia.forth.gr)), with cc to the Scientific Coordinator Prof. Konstantinos Tassis ([tassis@physics.uoc.gr](mailto:tassis@physics.uoc.gr)).

### In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage <https://www.ia.forth.gr/employment-opportunities>)
- 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 ([info@ia.forth.gr](mailto:info@ia.forth.gr)), tel. +30 2810-394200.

For information and questions about the advertised position and the research activity of the group or the institute, please contact Prof. Konstantinos Tassis ([tassis@physics.uoc.gr](mailto:tassis@physics.uoc.gr)), tel. +30 2810-394219.



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## Selection Announcement

The result of the selection will be announced on the website of IA-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 IA-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](mailto: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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