



One (1) post-doc position in

PERCEIVE project

Perceptive Enhanced Realities of Colored collections through AI and Virtual Experiences

(Call: HORIZON-CL2-2021-HERITAGE-01, GA 101061157)

Funded under: Culture, creativity and inclusive society, REA



Funded by the
European Union

Ref. 102031
Heraklion 24/2/2023

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL-FORTH), in the framework of the project PERCEIVE (P.I. Prof. S. Sotiropoulou, Call: HORIZON-CL2-2021-HERITAGE-01-04 - Preserving and enhancing cultural heritage with advanced digital technologies, GA number: 101061157), funded under European Research Executive Agency, Culture, creativity and inclusive society, is seeking to recruit one post-doctoral researcher.

Job Description

The candidate will participate in the R&D activities of FORTH-IESL in the context of PERCEIVE project and will work on Hyperspectral imaging data acquisition, processing, and data management related aspects. The researcher will be, however, involved in the overall research activities of PERCEIVE Project, aiming at improving the perception, preservation, curation, exhibition, understanding and access of coloured Cultural Heritage Collections and developing a reliable way to Study, Reconstruct, Render, Remap, Exhibit and Re-appropriate them. Role and Responsibilities Responsibly carrying out activities related to the PERCEIVE collaborative research project. Namely:

- Research into VIS/NIR hyperspectral imaging data processing.
- Instrumental setup, data acquisition, processing, analysis, and interpretation.
- Design of PERCEIVE data model and PERCEIVE data repository.
- Optimisation of data workflows in the entire data life cycle from capturing, processing, analyzing (including semantics), interlinking data to assure the quality of services.
- Dissemination of achievements in international journals and conferences.

Required qualifications

- PhD in Physics, Maths or Computer Sciences or in Engineering, with a focus on imaging, spectroscopy, optics, optical sensing. (20%)
- Proven skills in Software development for spectral data processing (20%)
- Proven previous experience with handling and practical implementation of imaging / spectroscopic systems (e.g. detectors, light sources, data acquisition and control, data analysis) (10%)
- Fluent oral and written communication skills in English (10%)
- Experience with cultural heritage studies (object analysis, campaigns) (10%)

Desirable qualifications

- Previous post-doctoral research experience (10%)
- Relevant scientific publications (10%)
- Innovative, autonomous, well-organised and result-oriented thinking; Ability and motivation to perform independent research (10%)
- Prompt to cooperate with interdisciplinary and international teams.
- Previous work in RTD projects

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): May 1, 2023

Project Duration: 12 Months (part-time optional) 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 **March 24, 2024, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Responsible, Prof. S. Sotiropoulou (sophiaso@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, candidates are asked to contact Prof. S. Sotiropoulou (sophiaso@iesl.forth.gr, tel. +30 2810-391813.

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.