HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION

Ministry of Digital Governance

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FORTH
FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS
INSTITUTE OF ELECTRONIC STRUCTURE AND LASER

One (1) research assistant position in COLOURS project

Collaborative On-cloud Lab for the conservation and digital restoration of ColOUred heritage collectionS

(Call: HORIZON-CL2-2024-HERITAGE-ECCCH-01-05, GA 101233413)
Funded under: HORIZON-IA - HORIZON Innovation Actions

Funded by the European Union

Ref. 241268
Heraklion 07-11-2026

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL-FORTH), in the framework of the project COLOURS (P.I. Prof. S. Sotiropoulou, Call: HORIZON-CL2-2024-HERITAGE-ECCCH-01-05- A European Collaborative Cloud for Cultural Heritage – conservation and digital restoration of coloured heritage, GA number: 101233413), funded under Innovation Actions, is seeking to recruit one research assistant.

Job Description

We are seeking an experienced, highly qualified and motivated researcher qualified in research data engineering applied in Heritage Science and Scientific data workflows to join our team and share responsibilities in the development, testing and integration of tools and services into the ECCCH platform, in the context of the COLOURS project, https://colours-eccch.eu/, https://www.echoes-eccch.eu/, GA 101233413, HORIZON-CL2-2024-HERITAGE- ECCCH-01-05. The successful candidate will be responsible for designing, deploying, and maintaining robust digital tools and automated data pipelines capable of processing and integrating complex, multimodal cultural heritage data (such as text, high-resolution images, 3D assets, and scientific/physicochemical analytical datasets). Working closely with multidisciplinary international consortia —including conservators, heritage scientists, curators, and software engineers—the role bridges domain-specific user requirements and open-source cloud architectures. Benefits for the candidate An international, multidisciplinary research environment bridging cutting-edge computer science and cultural heritage preservation. Opportunities to contribute to high-impact open-source cloud-based tools and European digital policy. Key tasks and responsibilities Analytical tool and interface development: Prototype and deploy modular, open-source software tools, APIs, and intuitive user interfaces (UIs) tailored for the exploration, comparative analysis, spatial/spectral overlay, and visual interpretation of heritage material datasets. Pipeline automation, workflows and tool integration: Build and optimize end-to-end Extract, Transform, Load and data processing pipelines using workflow orchestrators, ensuring reproducibility in the execution and automated ingestion/upload of multimodal scientific data into cloud environments. Tool testing and validation: Define and execute use cases, validation protocols, and pilot workflows to rigorously evaluate cloud tools on real-world datasets,

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including multidisciplinary/multimodal data on heritage materials. FAIR scientific data stewardship: Use standard scientific data formats and instrument exports, embedding instrument metadata, calibration parameters, and persistent sample identifiers into reproducible pipelines. Domain stakeholder co-design: Translate diagnostic, analytical, and conservation research questions into functional software specifications, collaborating directly with heritage scientists, conservators, and museum stakeholders across the consortium. Related Project COLOURS — Collaborative On-cloud Lab for the conservation and digital restoration of ColOUred heritage collectionS , https://colours-eccch.eu/

Required qualifications

- Master or higher in physical sciences, heritage / material science, or related applied sciences with strong scientific programming experience. (15%)
- Strong theoretical and practical understanding of analytical techniques applied to cultural heritage (10%)
- Proven skills in programming and data processing. Proficiency in scientific Python or Julia/R for data analysis, curve fitting, signal processing, and data visualization. (20%)
- Proven experience building UIs, interactive scientific dashboards or web tools. Experience with web-based spatial viewers or spectral cube manipulators (hyperspectral/IIIF). (15%)
- Previous work experience in RTD projects. Ability to manage multiple projects simultaneously, prioritize tasks, and meet deadlines. (10%)

Desirable qualifications

- Authored/co-authored peer-reviewed papers on material characterization methodologies or open scientific software. (10%)
- Skills to deliver tutorials and documentation: Provide tutorials and documentation to users on system functionalities, data workflows, and best practices to ensure effective utilization of information systems. (10%)
- Fluent English; track record of collaborative work in multidisciplinary laboratory environments or European research projects. (5%)
- Two letters of recommendation (5%)

Location: IESL-FORTH, Heraklion Crete GREECE
Start Date (earliest): January 1, 2027
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 27, 2026, 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 2810-391300.
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.