Position: Researcher C' at the Resilient Society Department
Ref No.: ERA-RC-RSD-29
Category: Full-time or part-time employment
Location: ERATOSTHENES Centre of Excellence, Limassol Cyprus

<u>ERATOSTHENES CENTRE OF EXCELLENCE</u>

<u>ONE (1) RESEARCHER C' POSITION AT THE RESILIENT SOCIETY DEPARTMENT</u>

ERATOSTHENES Centre of Excellence (**www.eratosthenes.org.cy**) of Cyprus University of Technology (**www.cut.ac.cy**) invites applications for one (1) position at the Researcher C' level at the Resilient Society Department of the Centre. The position is open either on a full-time (100%) or part-time employment basis. The successful candidate will conduct research under the funded by the European Union, project Horizon Europe 'ENIGMA' as well as other related to the project's activities. The Horizon Europe 'ENIGMA' project is funded under the HORIZON-CL2-2022-HERITAGE-01 call and shall achieve excellence in the protection of Cultural Heritage assets and artefacts from man-made threats by contributing to identification, traceability, and provenance research of Cultural assets, as well as by safeguarding and monitoring of endangered heritage sites. 'ENIGMA' objectives are designed to help the involved stakeholders better respond to this complex, and multi-dimensional problem, and leverage active collaboration by fostering and enabling interlinking of databases, and evidence-based deployment of preventative measures.

ERATOSTHENES Centre of Excellence is an autonomous Centre of Excellence with Cyprus University of Technology as its sole stakeholder, specialising in earth observation, space technology and geospatial analysis. Cyprus University of Technology has a 13-year experience in earth observations and geospatial analysis. Through the "EXCELSIOR" H2020 Teaming Project (**https://excelsior2020.eu/**), ERATOSTHENES Centre of Excellence aspires to become a Digital Innovation Hub for Earth Observation and Geospatial Information by offering knowledge, responsible research, open innovation and application services capable of sustaining Cyprus' development. ERATOSTHENES Centre of Excellence aspires to actively contribute to the European Research Area (ERA) priorities in Atmosphere and Climate, Resilient Societies and Big Earth Data Analytics, as well as to become the reference Earth Observation/Geoinformation Centre for research and innovation in the Eastern Mediterranean, Middle East and North Africa (EMMENA) region.

A core activity of ERATOSTHENES Centre of Excellence is to conduct high caliber, state-of-the-art research, both basic and applied. A central task is to acquire research funding for the Centre, to provide facilities to the researchers, and to support them to acquire funding for their research independently and via international and local collaborations. Collaborations with industrial partners are particularly encouraged and facilitated.

Appropriate measures of success will be collaboratively determined based on the Centre's strategic growth plan and sustainability targets. These will be revised periodically by the Executive Committee and the Board of Directors.

Cultural Heritage has a strategic resource for growth, job creation and a role to play for more cohesive and sustainable regions in the EU. The Digital Heritage Research Laboratory (DHRLab) at Cyprus University of Technology named MNEMOSYNE, became a beacon in the Eastern Mediterranean and Europe through several key initiatives in Digital Cultural Heritage (DCH) research training, innovation and policy coordination. MNEMOSYNE, will implement a research agenda, run a new Master Course focused on holistic DCH documentation and create a center of excellence on DCH by 2024.

Description of the Position
This position concerns researchers who hold a B.Sc and/or M.Sc. and have documented specialized know-how/knowledge, abilities and experience that is related to their post-graduate education, professional title or specialized service in the field of their studies.

Duties and Responsibilities

The successful candidate will be placed in the Department of Resilient Society of ERATOSTHENES Centre of Excellence, and is expected to work closely with the UNESCO and ERA Chairs on DCH at the Cyprus University of Technology and to contribute towards shaping and advancing its research and innovation agenda by:

1. Conduct applied or fundamental research in RFID, Blockchain, Artificial Intelligence, GIS, and other relative areas ;

2. Participation and/or organisation of trainings;

3. Participation in the preparation and submission of project deliverables;

4. Dissemination and communication of the project results through journal/conference publications, participation in conferences, information days and other relevant events;

5. Assisting in the definition of research goals and writing research reports with the assistance of the Coordinator of the relevant Department;

6. Assisting in the establishment of local, regional, and international related to the EU ENIGMA project, research networks that can support the sustainability and

long-term research agenda and priorities of the ERATOSTHENES Centre of Excellence- and the UNESCO/ERA Chairs on Digital Cultural Heritage;

7. Engaging with government and industry bodies and institutions to raise the profile of the project and the institutions;

8. Ensuring that the KPIs and other performance targets as set by the Centre are delivered;

9. Undertaking any other relevant duties deemed necessary.

Qualifications

1. B.Sc. in Civil engineering or Surveying engineering or Computer science, Environmental engineering, or, or Electrical Engineering, or Physics or LLB in Art & Cultural Heritage Property Law / IPR, or similar field;

2. M.Sc. in a relevant subject, such as: Remote Sensing; Geoinformatics; Computer Science; Electrical Engineering, Civil Engineering; Environmental Engineering; Surveying Engineering; Disaster Management; Art & Cultural Heritage Legislation;

3. Knowledge of at least one language (e.g., C++, Python, R, MATLAB) will be an advantage;

4. Proven work experience in 2D, 3D digitalization/documentations of CH assets;

5. Proven work experience in RFID (Radio Frequencies), or Block-Change and/or Artificial Intelligence will be considered an extra asset;

6. Proven work experience in relevant subjects of the ENIGMA project will be an advantage;

7. Proven work experience in Looting, Illicit trafficking of Cultural Heritage Properties will be an extra asset.

8. Proven experience working for European Commission / European Space Agency projects will be an advantage;

9. Excellent knowledge of the English language both verbal and in writing.

Minimum Requirements for the post of Researcher C'

This position concerns researchers who have documented specialized knowledge, abilities and experience that is related to their M.Sc. topic in the field of the project.

The appointment will be for a period of one year (12 months) with the prospect of renewal for another one year. The annual gross salary for the (full-time) position will range from €48947.48 to €52908.42, depending on qualifications. It is noted that there is provision for 13th salary (the cost of the 13th salary is proportionally incorporated in the monthly remuneration).

Interested candidates must submit their application comprising of all documents listed below via email to vacancies@eratosthenes.org.cy, entering in the subject line: "Application for Researcher C' at the Resilient Society

***Department - Ref No.: ERA-RC-RSD-29" no later than* 14 December 2022 at 14.00 CYPRUS TIME, which is the deadline for the submission of the applications.**

1. A letter in English stating the Department, the rank, the specialization in which he/she is interested in, as well as the date on which he/she can undertake responsibilities in case he/she is appointed;

2. *Curriculum vitae* in English;

3. A short review of the research interests as well as a brief description of the future research plans, in English - up to 1500 words;

4. List of publications in English;

5. Reprints of at most three representative publications (if any);

6. Copies of the candidate's degree certificates;

7. Contact details;

8. Names and contact details of at least three senior academic/research referees. Candidates should request confidential letters of reference in English from the above senior academic/research referees, which must be sent by the referees themselves directly to ERATOSTHENES Centre of Excellence via email to **vacancies@eratosthenes.org.cy,** by the deadline for the submission of the applications. The names and addresses of the referees should be submitted together with the application because ERATOSTHENES Centre of Excellence may also request additional confidential information. ERATOSTHENES Centre of Excellence may also request reference letters from independent referees of the choice of members of the appointed Evaluation Committee, if considered necessary.

For further information visit ERATOSTHENES Centre of Excellence webpage at **http://www.eratosthenes.org.cy**

It is noted that:

- For non-EU applicants a work permit will be required;

- Applications will be treated in strict confidence. All information provided will be processed in accordance with the General Data Protection Regulation (GDPR) of the European Union. Personal data will be processed solely for the purpose of the selection procedure;

- The job requires that the Researcher is physically present at the Centre's premises or at the premises of the DHRLab at the Cyprus University of Technology (CUT);

- ERATOSTHENES Centre of Excellence is an equal opportunity employer;

- ERATOSTHENES Centre of Excellence does not discriminate in any way on the basis of gender, religion or belief, ethnic, national or social origin, age, physical ability, marital status and sexual orientation.
- The title of the position may be modified.