Position: Researcher C' at the Big Earth Data Analytics Department
Ref No.: ERA-RC-BEDAD-70
Category: Full-time or part-time employment
Location: ERATOSTHENES Centre of Excellence, Limassol Cyprus

ERATOSTHENES CENTRE OF EXCELLENCE

ONE (1) RESEARCHER C' POSITION AT THE BIG EARTH DATA ANALYTICS DEPARTMENT

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 Big Earth Data Analytics Department of ERATOSTHENES Centre of Excellence. The positions are open either on a full-time (100%) or part-time employment basis. The successful candidates will conduct research and develop products under multiple Eratosthenes Centre of Excellence projects funded by the European Union, including the flagship Excelsior H2020 Teaming project (**https://excelsior2020.eu/**).

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.

Description of the Position

The position concerns researchers with a postgraduate degree.

Duties and Responsibilities

The successful candidates will be placed in the Big Earth Data Analytics Department of ERATOSTHENES Centre of Excellence and are expected to contribute towards shaping and advancing its research and innovation agenda by:

1. Developing and maintaining the Data Ecosystem of ERATOSTHENES Centre of Excellence;

2. Conduct applied or fundamental research and publish the results in high-quality conferences and journals;

3. Participation in the preparation and submission of projects' deliverables;

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

5. Assisting in the establishment of local, regional, and international research networks that can support the long-term research agenda and priorities of the ERATOSTHENES Centre of Excellence;

6. Working towards fulfilling ERATOSTHENES Centre of Excellence mission goals;

7. Ensuring that the KPIs and other performance targets as set by the ERATOSTHENES Centre of Excellence are met;

8. Undertaking any other relevant duties deemed necessary.

Qualifications and Experience

1. Bachelor's and Master's Degree in Computer Science or Computer Engineering, Informatics or other relevant field;

2. Master's Degree in Computer Science or Computer Engineering or Geoinformatics or other relevant field;

3. Strong computer programming skills (e.g., C/C++/Java/Python,Matlab) are a must;

4. Good knowledge of management and processing Big Earth Data;

5. Usage of Machine Learning and Deep Learning libraries (e.g., Pytorch, Tensorflow, Keras) in Earth Observation Data are a must;

6. Previous experience in Remote Sensing and Earth Observation data;

7. Previous experience in Image Processing will be considered an advantage.

Profile of the ideal candidate

1. Very good analytical skills;

2. Problem solving skills;

3. Hand-on and results driven;

4. Team-oriented attitude;

5. Excellent time-management skills;

6. Have good communication skills;

7. Very good knowledge of English, both written and oral.

Minimum Requirements for the post of Researcher C'

The minimum requirement for the position of Researcher C' is a postgraduate degree from a recognized university.

The appointment will be for a period of one year (12 months) with the prospect of renewal for another one year. All appointments are subject to completion of a probation period of six (6) months.

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 Big Earth Data Analytics Department (ERA-RC-BEDAD-70)*" no later than Friday 19 January 2024 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 the candidate is interested in, as well as the date on which the candidate can undertake responsibilities in case of appointment;

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 any publications in English;

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

6. Copies of the candidate's degree certificate(s);

7. Candidate's full contact details;

8. Names and contact details of at least three referees, preferably from the academic/research community, who in case of appointment, maybe asked to send their reference letters directly to ERATOSTHENES Centre of Excellence via email to **vacancies@eratosthenes.org.cy**. 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 comply with the General Data Protection Regulation (GDPR) of the European Union;

- The job requires that the Researcher is physically present at the Centre's premises;

- 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.