



**Position:** Scientist for active and passive microwave remote sensing

**Ref No.:** ERA-GBSMWS-09

**Category:** Full-time employment

**Location:** ERATOSTHENES Centre of Excellence, Limassol Cyprus

The ERATOSTHENES Centre of Excellence (ECoE) ([www.eratosthenes.org.cy](http://www.eratosthenes.org.cy)) of the Cyprus University of Technology ([www.cut.ac.cy](http://www.cut.ac.cy)) is seeking an active/passive microwave remote-sensing scientist to join its fast-growing team of passionate and enthusiastic professionals. This position is open on full-time (100%) or part-time basis

In the framework of the European Union Teaming Project EXCELSIOR, a Ground-Based Remote -Sensing Station (GBS) for profiling of aerosols and clouds is being established at the ERATOSTHENES Centre of Excellence, in Limassol, Cyprus. The station will consist of a ground-based Raman lidar, cloud radar, microwave radiometer, Doppler lidar and photometer systems installed in two 20-foot containers. The GBS will conduct continuous profiling of atmospheric parameters (aerosol, clouds, precipitation) above Limassol, Cyprus. **For implementation, operation and scientific exploitation of the cloud radar and microwave radiometer instruments, a position for a scientist is advertised.** The appointment will be for a period of twenty-four (24) months with the prospect of renewal for twelve (12) months or up to 60 (sixty) months. The monthly gross salary for the (full-time) position will range from €4527 to €5564, depending on qualifications. It is noted that there is provision for 13<sup>th</sup> salary (the cost of the 13<sup>th</sup> salary has been proportionally incorporated in the monthly remuneration as analysed above).

### **Main Duties and Responsibilities**

1. Managing operation and maintenance of GBS active and passive microwave measurement instruments (and Container)
2. Ensuring quality control and publication of measured data
3. Participating in writing of proposals
4. Interest in actively further developing the cloud
5. radar measurement technique
6. Setting up, maintaining and further developing Cloudnet data processing
7. Radar / microwave radiometer data evaluation

8. Presenting new results at conferences
9. Publishing papers
10. Organizing maintenance intervals and acquisition of spare parts
11. Ensuring ACTRIS quality standards
12. Supervising students
13. Taking charge of station packing, transport and unpacking during campaign deployments.
14. Working hand-in-hand with the other GBS team members for further optimisation and further development of the station.
15. Any other relevant duties deemed necessary.

### **Qualifications, Experience and Skills**

1. A PhD degree in physics, meteorology, electrical engineering or similar subject.
2. Interest in atmospheric research and atmospheric processes in the Mediterranean region.
3. Experience with operations and data processing of radar and microwave radiometers
4. Experience in managing varied workloads and conflicting priorities.
5. A current car driving license.

### **Profile and Personal Attributes**

1. Commitment to equal opportunities and to harmonious collaboration with colleagues, associates and affiliates of all cultures and background.
2. Exercise of leadership and preparedness to promote team work.
3. Excellent problem solver and communicator within the organisation, as well as with other public and private organisations.
4. Highly organised and able to prioritise tasks, schedule activities effectively and optimise ways to deliver the expected results in time.
5. Ability to manage planning and execution of projects under pressure and deadlines.
6. Good language skills in English (conversation, reading, writing).
7. Able to facilitate activities across a diverse range of people that can work well in a team structure.
8. Ability to travel abroad internationally.
9. Ability to exercise tact and discretion and to display a professional attitude towards colleagues, associates, affiliates and others.
10. A commitment to continuous professional development activities to keep the knowledge base and skills up-to-date, and to develop them further.
11. Promote ERATOSTHENES Centre of Excellence's values and objectives to colleagues and external counterparts.
12. Ability to present at the Policy, Strategic and Executive levels of the Centre.
13. Ideal candidates for the position should be conspicuously passionate about the mission of the ERATOSTHENES Centre of Excellence; poised and confident with executive presence; manifest leadership, professionalism, and interpersonal skills.
14. Adherence to National and European legal environments.
15. Physical presence in the designated area of employment of the Centre in Cyprus.

## Benefits

An attractive remuneration package will be offered to the successful candidate according to qualifications and experience.

## Submission and Treatment of Application

Interested candidates must submit their application comprising of all documents listed below via email to [vacancies@eratosthenes.org.cy](mailto:vacancies@eratosthenes.org.cy), conspicuously entering in the subject line: ***“Application for Position: Scientist for active and passive microwave remote sensing”***

1. Cover letter clearly specifying availability date for full time or part-time employment.
2. Detailed *Curriculum Vitae* (including contact details).
3. A document (3-5 pages) on a topic to be selected by the candidate.
4. Scanned or electronic copies of degree certificates and relevant qualifications. True copies of the originals will be requested for the shortlisted candidates.
5. Full contact details (including postal and email addresses) of three referees. For the shortlisted candidates, the referees will be asked to submit Letters of Reference.

If you have previously applied for any position at ERATOSTHENES Centre of Excellence, a new application is required.

**Deadline for submitting the application: no later than Friday 30 April 2021 at 14.00 CYP.TIME**

Review of applications will begin immediately after this deadline and all applicants will be notified accordingly.

For general inquiries, applicants may contact the ERATOSTHENES Centre of Excellence, at [vacancies@eratosthenes.org.cy](mailto:vacancies@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 Ground-Based Remote-Sensing Station (GBS) Engineer is or becomes a resident in the area of employment.
- The ERATOSTHENES CoE adopts an equal opportunity policy at recruitment and the subsequent career stages and encourages both genders to submit an application for all levels of Academic, Administrative and Technical Staff.

- The ERATOSTHENES CoE 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 employment of the successful candidate will start upon approval of the contract amendment for including ERATOSTHENES CoE as a new partner in the 'EXCELSIOR' H2020 consortium.

### **Employer Background**

The ECoE is an autonomous Centre of Excellence with Cyprus University of Technology (CUT) as its sole stakeholder aiming to become a viable, sustainable Centre of Excellence in earth observation, space technology and geospatial analysis. CUT has a 13-year experience in earth observation and geospatial analysis. Through the 'EXCELSIOR' H2020 Teaming Project (2019-2026) the ERATOSTHENES CoE also aspires to become an excellent Digital Innovation Hub for Earth Observation and Geospatial Information by offering education, responsible research, open innovation and application services capable of sustaining Cyprus's development. The ERATOSTHENES CoE 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.

This position is advertised globally within the framework of the EU-H2020 "EXCELSIOR" (Excellence Research Centre for Earth Surveillance and Space-Based Monitoring of the Environment; <https://excelsior2020.eu/>; TEAMING Grant no. 857510). Through this project, the Cyprus University of Technology is establishing the ECoE in Space Technology, Earth Observation and Geospatial Technology in the EMMENA (Eastern Mediterranean Middle East North Africa) region, in cooperation with the Department of Electronic Communications (DEC) from the Deputy Ministry of Research, Innovation and Digital Policy (Cyprus) and with EU advanced Partners the German Aerospace Centre (DLR, Germany), TROPOS (Germany) and the National Observatory of Athens (NOA-Greece).

### **CONSORTIUM**



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