



Position: Scientist for active and passive microwave remote sensing
Ref No.: ERA-SAPM-73
Category: Full-time or part-time
Location: ERATOSTHENES Centre of Excellence, Limassol Cyprus

The ERATOSTHENES Centre of Excellence (www.eratosthenes.org.cy) of Cyprus University of Technology (www.cut.ac.cy) invites applications for one (1) Scientist for active and passive microwave remote sensing to join its fast-growing team of passionate and enthusiastic professionals. This position is open on part-time or full-time (100%) 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 mobile 20-foot containers. The GBS will conduct continuous profiling of atmospheric parameters (aerosol, clouds, precipitation) above Limassol, Cyprus, and in potential future field deployments. All activities are strongly linked to the international framework of the Aerosols, Clouds and Trace gases Research Infrastructure (ACTRIS). **For the implementation, operation and scientific exploitation of the novel full-polarimetric (STSR-mode) scanning cloud radar of type Metek Mira-35 and microwave radiometer of type RPG HATPRO, a position for a scientist is advertised.**

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.

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 in accordance to ACTRIS guidelines;
3. Participating in writing of proposals;
4. Interest in actively further developing the cloud radar measurement technique;
5. Setting up, maintaining and further developing Cloudnet data processing;
6. Radar / microwave radiometer data evaluation;
7. Production of scientific output, such as journal articles, conference contributions, or public-relations activities;
8. Organizing maintenance intervals and acquisition of spare parts;
9. Ensuring ACTRIS quality standards;
10. Supervising students;
11. Taking charge of station packing, transport and unpacking during campaign deployments;
12. Working hand-in-hand with the other GBS team members for further optimisation and further development of the station;
13. 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.

The appointment will be for a period of one year (12 months) with the prospect of renewal depending on funding availability. 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 €36732.10 to €41408.54, 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 Scientist for active and passive microwave remote sensing ERA-SAPM-73” no later than Tuesday 20 February 2024 at 14.00 CYPRUS TIME, which is the deadline for the submission of the applications.

1. Cover letter clearly specifying availability date for full time or part-time employment.
2. Detailed *Curriculum Vitae* (including contact details) in English;
3. List of publications in English;
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, their 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.

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

For general inquiries, applicants may contact the ERATOSTHENES Centre of Excellence, at 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 Researcher is physically present at the Centre’s premises and preferably becomes a resident in the area of employment;
- 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.





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857510



This project has received funding from the Government of the Republic of Cyprus through the Directorate General of the European's Programmes, Coordination and Development