

UNIVERSITY OF CYPRUS
FOSS RESEARCH CENTRE FOR SUSTAINABLE ENERGY
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
SPECIAL SCIENTIST

Position: Special Scientist (Research)
No. of Positions: One (1)
Category: One (1) year, with the possibility of extension
Location: University of Cyprus, Nicosia

Application Code: FOSS2024SS-08

The DegradationLab of the PV Technology Lab of FOSS Research Centre for Sustainable Energy of the University of Cyprus, announces one (1) vacancy for a full-time or part-time Special Scientist to work on research programmes related to advanced metrology for new generation photovoltaics.

It should be noted that one (1) month of full-time employment at the University of Cyprus corresponds to 140 working hours.

REQUIRED QUALIFICATIONS:

- Bachelor's and/or Master's degree in Electrical Engineering, Physics, Mechanical Engineering, or related fields with a grade of at least a 2.1 class or equivalent.

ADDITIONAL QUALIFICATIONS:

Hands-on experience in the lab particularly in the fields of material/device characterization and photovoltaics as well as past experience in data analysis, forecasting tools, and programming skills would be considered a strong advantage.

DUTIES AND RESPONSIBILITIES:

The successful candidate will be expected to conduct research in the topic of advanced characterization of perovskite-based device technologies for next generation PV and applications. Perovskite technology is currently considered very promising for solar cell applications yet challenges relating to long-term stability and field reliability of the technology remain to be addressed. Research at the DegradationLab focuses exactly on these challenges from the perspective of testing. The successful candidate will be working with a small yet motivated team of researchers focusing on hands-on experimental work at the campus of the University of Cyprus in Nicosia. In particular, he/she will be working on:

- Developing standardized measurement protocols and new measurement methods for such new PV technologies.
- Conducting different type of measurements on perovskite-based PV devices including performance measurements (both, indoor and outdoors), electroluminescence/photoluminescence measurements, thermography, and others. Essentially, he/she will have access to all the testing infrastructure of the lab.
- Developing appropriate test setups.
- Contributing to European and national research projects through drafting technical reports and supporting the write-up of research proposals.
- Dissemination in conferences and research publications.

EMPLOYMENT TERMS:

The initial contract is for 12 months, with the possibility of renewal subject to performance. The monthly gross salary for full-time employment (i.e., 140 hours per month) is in the range of €1400 to €2,436.90 (i.e., from €10.00 per hour to €17.41 per hour), depending on the candidate's experience, qualifications, and specific duties. Employee contributions to the various Government Funds will be deducted from the aforementioned amounts. 13th salary is already incorporated in the gross amount.

Ideally, the position will be combined with an application for a PhD at the University of Cyprus, with the subject of the doctoral thesis being related to the research work conducted.

APPLICATIONS:

Interested candidates should submit the following:

1. Letter of interest for the specific position.
2. Full CV including description of previous experience, as well as reference to the grades of degrees.
3. Copies of degrees and transcripts of Bachelor's and/or Master's degree(s).
4. Name and contact details of two referees for recommendation letters.

Please send your application by **Monday, 17 June 2024** via email to foss.vacancies@gmail.com and nicolaou.anastasia@ucy.ac.cy with the subject title: **FOSS2024SS-08 Application**.

Applicants need not be citizens of the Republic of Cyprus. Applicants should however ensure, before applying, that in case they are selected they will be residing in Cyprus on a full-time basis during the employment period. Submission of application implies acceptance of this condition.

The best three candidates that satisfy the required qualifications will be interviewed by a three-member Committee. All candidates will be informed of the result of their application by the relevant entity.

The University of Cyprus shall collect and process your personal data according to the provisions of the General Regulation on Personal Data 2016/679 (EU).

The University of Cyprus (UCY) is committed to promoting inclusivity, diversity, and equality, as well as the elimination of all forms of discrimination in order to provide a fair, safe, and pleasant environment for the entire university community, where students and staff members will feel supported both in their professional and personal development, within and beyond their multiple identities. To this end, UCY seeks to create the necessary conditions that will encourage and respect diversity and ensure dignity both in the workplace and society at large. Moreover, UCY has adopted specific policies to promote equal opportunities, as well as respect and understanding of diversity, while it is committed to promoting and maintaining a working, teaching, and learning environment, free from any form of discrimination, whether direct or indirect.