

KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

Special Scientist for Research - Research Engineer I (Computer Vision/Machine Learning)

Title	: Special Scientist for Research (Research Engineer I)
No. of Positions	: One (1)
Category	: Employment contract
Location	: University of Cyprus, Nicosia, Cyprus

The KIOS Research and Innovation Center of Excellence (www.kios.ucy.ac.cy) at the University of Cyprus announces one (1) Special Scientist for Research position (Research Engineer I), **focusing on Computer Vision and Machine Learning**, for full-time employment. The successful candidate will conduct research and development activities within the context of research and innovation, as well as provide technical and research support in the area of Information and Communication Technologies with emphasis on the monitoring, control and security of critical infrastructure systems. Additionally, will implement and/or support projects in order for the Center to achieve its strategic objectives.

Who we are:

The **KIOS Research and Innovation Center of Excellence** is the largest research center at the University of Cyprus and in 2017 was upgraded to a European Research Center of Excellence through the KIOS CoE Teaming project. Currently, the Center employs more than 170 people who are supported by externally funded research and innovation projects. The KIOS CoE operates in a diverse environment as an equal opportunity employer.

What we do:

KIOS provides an inspiring environment for carrying out top level research and innovation in the area of Information and Communication Technologies, with emphasis on the Monitoring, Control and Security of Critical Infrastructures. Such infrastructures include power and energy systems, water networks, transportation networks, telecommunication networks and emergency management and response. The Center instigates interdisciplinary interaction and promotes collaboration between industry, academia, and research organizations in high-tech areas of global importance.

Why work at KIOS:

You will have the opportunity to work on various high-profile projects with great impact on the community and the environment, not only in a local but also in a global scale.

In KIOS we strive to create a multicultural, diverse, and inclusive workplace and we strongly support the continuous personnel involvement and development, both personally and professionally, to fulfill your long-term goals. We offer internal and external professional training, covering both technical and soft skills.

Job Details

Duties and Responsibilities:

The successful candidate is expected to work on the following:

- Participate in cutting-edge research and development of novel technologies and applications in Computer Vision and Machine Learning
- Participate in the dissemination of research results in conferences and journals
- Responsible for the implementation and testing of new solutions on mobile platforms such as drones
- Responsible for the optimization of existing solutions in terms of R&D and industrial applications
- Responsible for data collection, annotation, and preparation of datasets for release
- Work closely with other researchers and engineers within a team to develop solutions for various cases
- Prepare manuals and guidelines

Job specific knowledge and technical skills:

- Very good knowledge in one or more areas of vision/machine learning: deep neural networks, supervised learning, unsupervised learning, classification, object detection, recognition, segmentation, and tracking
- Knowledge/experience in software development using Python (SciPy, NumPy, OpenCV, Pillow, etc.)
- Knowledge/experience with development frameworks for machine learning such as TensorFlow/Keras and/or PyTorch
- Very good knowledge of the Greek and the English language

Profile of the ideal candidate:

- Attention to detail
- Problem solving skills
- Team-player
- Reliable and trustworthy
- Flexible and eager to learn
- Able to adapt in a fast-paced dynamic environment
- Have excellent communication, organizational and self-management skills

Qualifications and Experience:

- Bachelor's and/or Master's and/or Doctorate degree in Computer Science/Engineering or other relevant field from an accredited institution
- Previous experience in working with embedded platforms such as NVIDIA Jetson and/or Raspberry Pi will be considered an advantage
- Previous experience in working with LIDAR or other depth sensors will be considered an advantage

Employment Terms:

The position is on a contract basis. Initially, a one-year contract will be offered, which is renewable based on performance. The gross monthly salary depends on the candidate's qualifications and experience and will be between €1500 - €2500. From this amount, employee contributions to the Cyprus government funds will be deducted. The 13th salary bonus is incorporated in the monthly salary. Maternity leave will be granted based on Maternity Protection Law 1997(N.100(I)/1997), and the existing amendment laws.

Application:

Interested candidates should submit the following items online through the link:

<https://applications.ucy.ac.cy/recruitment>

- Cover letter explaining the interest of the applicant in pursuing a career at the KIOS CoE, along with employment availability date
- Short summary of prior work experiences, activities, and accomplishments (can be combined with the cover letter) (2 pages maximum)
- Copies of transcripts of BSc/MSc or other degree(s)
- A detailed curriculum vitae in English or in Greek
- Identify at least two referees that can provide reference letters.

The applications should be submitted as soon as possible, but not later than **Friday, 14th of October 2022, at 5 pm**. The evaluation of the applications will begin immediately. **Candidates will be informed of the result of their application by the KIOS CoE.**

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.

For more information, please contact the KIOS Center of Excellence, by phone at +357 22893460 or via e-mail at kioshiring@ucy.ac.cy.