KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

Special Scientist for Research – Research Associate (Digital Health)

Title	: Special Scientist for Research (Research Associate)
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 **(Research Associate)** position, focusing on **Digital Health**, for full-time employment. The successful candidate will contribute to interdisciplinary research projects focusing on the analysis of electroencephalography (EEG) and multimodal wearable sensor data for mental health, stress assessment, sleep monitoring, cognitive state analysis, and digital biomarkers.

Who we are:

The KIOS Research and Innovation Center of Excellence is the largest research center of its kind in Cyprus and one of Europe's leading Centers of Excellence. It combines world-class academic research with real-world application through its innovation-driven environment. Currently, the Center employs more than 200 people who are supported by externally funded research and innovation projects and has strong international collaborations, translating advanced research into impactful solutions. The KIOS CoE operates in a diverse environment as an equal opportunity employer.

The Center is internationally recognized, receiving significant national and international awards and distinctions such as ERC Grants from the European Council, an IEEE Frank Rosenblatt Technical Field Award, Digital Water Award 2024 by Water Europe, multiple National New Researcher of the Year Awards, National Innovation & Entrepreneurship Awards, and several Best Paper Awards in top-tier international conferences and journals.

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, healthcare systems, and emergency management and response systems. 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 contribute to high-profile projects, both locally and globally, with opportunities to publish in top-tier journals and conferences, grow professionally, and take ownership in a dynamic, intellectually rigorous environment. You will collaborate closely with leading academics and multidisciplinary teams, advancing cutting-edge research and translating it into real-world deployments across critical infrastructure systems, while seeing your work delivering tangible impact on today's most important challenges. We offer a flexible and supportive environment, along with opportunities for continuous training and professional development.

Job Details

The successful candidate is expected to:

- Develop and implement advanced signal processing and AI methodologies for electroencephalography (EEG) and physiological data analysis.
- Analyze and interpret multimodal wearable data including electroencephalography (EEG), electrocardiography (ECG), photoplethysmography (PPG), accelerometry, sleep, and activity monitoring signals.
- Design and evaluate machine learning (ML) and deep learning models for stress detection, sleep analysis, mental wellbeing assessment, fatigue monitoring, and cognitive state prediction.
- Develop real-time or near real-time monitoring pipelines.
- Contribute to research publications, technical reports, and EU/national funded projects.
- Collaborate with interdisciplinary teams including clinicians, psychologists, engineers, and data scientists.

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 good communication, organizational and self-management skills
- Excellent knowledge of the English language

The required skills and expertise for the announced position include one or more the following:

- Electroencephalography (EEG) signal processing and neurophysiological data analysis
- Biomedical signal analysis: electroencephalography (EEG), electrocardiography (ECG), photoplethysmography (PPG), electromyography (EMG), wearable sensing
- AI/ML for health applications
- AI/ML for mental health, stress, sleep, or wellbeing applications
- Time-series analysis and digital biomarker development
- Deep learning frameworks (e.g., PyTorch, TensorFlow)
- Statistical analysis and data visualization
- Wearable technologies and physiological monitoring systems
- Programming in Python, MATLAB, or related languages

Qualifications and Experience:

- Bachelor's or/and Master's Degree in Electrical Engineering or Computer Engineering or Biomedical Engineering or Computer Science or Data Science or Neuroscience or Psychology or Biomedical Informatics or Artificial Intelligence or a related field from an accredited institution.
- Doctorate degree or equivalent in Biomedical Signal Processing, EEG Analysis, AI in Healthcare, Neurotechnology, Wearable Sensing, Computational Neuroscience, Digital Mental Health or a related field from an accredited institution.
- Experience with wearable devices, physiological sensing, sleep analysis, stress monitoring, or mental health datasets will be considered an advantage.
- Publications in relevant scientific journals/conferences will be considered an advantage.

Employment Terms:

The position is on a contract basis. Initially, a one-year contract will be offered, with a 6-month probation period, which is renewable based on performance. The gross monthly salary depends on the candidate's qualifications and experience and will be between €2300 – €3500. From this amount, employee contributions to the Cyprus government funds will be deducted. A 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, in English
- Short summary of prior work experiences, activities and accomplishments (can be combined with the cover letter), in English (2 pages maximum)
- A detailed curriculum vitae in English
- Copies of transcripts of BSc/MSc/PhD or other degree(s)
- Copy of an English language certificate (if any of your degrees were taught in English, this will be considered equivalent to an English language certificate)
- Contact details of at least two referees that can provide reference letters

The applications should be submitted as soon as possible, but not later than **Friday, 31st of July 2026, at 5 pm**. The evaluation of the applications will begin immediately. At least the best three candidates that satisfy the required qualifications will be interviewed by a 3-member Selection Committee. **Candidates will be informed of the result of their application by the KIOS CoE**.

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 and submission of application implies acceptance of this condition. The employment of persons who have reached the age of 65 years old, at the commencement date of employment, is prohibited.

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.