

## KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

### Special Scientist for Research – Research Engineer and/or Research Associate (Power)

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| <b>Title</b>            | : Special Scientist for Research (Research Engineer and/or Research Associate) |
| <b>No. of Positions</b> | : Two (2)                                                                      |
| <b>Category</b>         | : Employment contract                                                          |
| <b>Location</b>         | : University of Cyprus, Nicosia, Cyprus                                        |

The KIOS Research and Innovation Center of Excellence ([www.kios.ucy.ac.cy](http://www.kios.ucy.ac.cy)) at the University of Cyprus announces two (2) Special Scientist for Research (**Research Associate and/or Research Engineer**) positions, **focusing on quantifying the resilience value of long duration energy storage (LDES) in renewable-dominated energy systems**, for full-time employment. The successful candidates will provide technical and research support in research projects funded mainly by Horizon Europe, including the project [PowerMAX](#) (Maximizing Grid Integration and Optimization of Long Duration Energy Storage to synergize Revenue Streams), as well as national or industry-funded projects, to help the Center achieve its strategic objectives.

#### ***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 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 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 candidates are expected to:

- Develop and apply mathematical and computational models of LDES to assess its contribution to power system stability, operational flexibility, adequacy, and continuity of supply under extreme operating conditions.
- Develop and apply probabilistic risk and resilience assessment methods to quantify the value of LDES in mitigating operational shocks, reducing loss-of-supply risk, and preventing cascading impacts, with application and validation in real case studies.
- Contribute towards the publication of peer-reviewed conference and journal papers.
- Work closely with other researchers and engineers in the team to develop comprehensive solutions.
- Manage the day-to-day project tasks.
- Lead the preparation of reports and project deliverables.
- Frequently attend project meetings for task coordination (physical and online).

### ***Profile of the ideal candidate:***

- Problem solving, analytical and critical thinking skills
- Strong time management and prioritization skills
- Strong teamwork and interpersonal skills
- Excellent verbal and written communication skills
- Good organizational and self-management skills
- Good programming skills
- Attention to detail
- Reliable and trustworthy
- Flexible and eager to learn
- Able to adapt in a fast-paced dynamic environment
- Excellent knowledge of English language

### ***Qualifications and Experience:***

- Bachelor's or/and Master's Degree in Electrical Engineering, Computer Science or Computer Engineering or a related field from an accredited institution.
- Doctorate degree or equivalent (necessary for the Research Associate position while in the case of the Research Engineer position will be considered as an advantage) in the subject areas directly related to Electrical Power Engineering, Computer Science, Computer Engineering or other related field from an accredited institution.
- Strong background in power systems modelling and analysis, including renewable energy integration, energy storage, and system operation.
- Experience in optimisation and probabilistic risk and resilience assessment, particularly under uncertainty and extreme operating conditions.
- Strong programming and computational skills, preferably in Python, with experience in power system simulation and data analysis.
- Track record of publishing high-quality research (applicable for the Research Associate position).
- Track record of being involved in project implementation and experience in preparing reports and deliverables.

**Employment Terms:**

The positions are 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 €1900 – €2700 for Research Engineer, and between €2300 – €3500 for Research Associate. From this amount, employee contributions to the Cyprus government funds will be deducted. A 13<sup>th</sup> 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, 23<sup>th</sup> of October 2026, at 5 pm**. The evaluation of the applications will begin immediately. At least the best three candidates per position 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](mailto:kioshiring@ucy.ac.cy).