

KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

PhD Student Scholarships

No. of Positions	: Six (6) Positions
Category	: Scholarships
Location	: University of Cyprus, Nicosia, Cyprus

The KIOS Research and Innovation Center of Excellence (KIOS CoE) announces 6 full-time PhD Student Scholarships. The KIOS CoE operates within the University of Cyprus, in collaboration with Imperial College London.

The selected students will be enrolled in either the Electrical Engineering or the Computer Engineering PhD program of the University of Cyprus and they will conduct their research at the facilities of the KIOS Center of Excellence in one or more of the following thematic areas: Control systems, computational intelligence and machine learning, autonomous systems, optimization and networks, embedded and real-time systems hardware and software, fault diagnosis, cyber-security, reliability, resiliency and fault tolerance, cyber-physical systems, Internet of Things, dependable integrated systems, intelligent transportation systems, water networks, power and energy systems, telecommunication networks and edge computing. Motivated candidates with strong mathematical and/or algorithm development backgrounds are especially sought.

University of Cyprus

The University of Cyprus was officially founded in 1989 and started operating in Nicosia, the capital of Cyprus, in 1992. Within a short time, the University of Cyprus managed to achieve international recognition through an impressive course of development. Today, it is ranked 52nd young university (under 50 years) and #351-400 worldwide by the Times New Higher Education Rankings.

These great distinctions are the result of our dedication to excellence and continuous development. The University of Cyprus managed to stand out and receive awards for the new paths it has opened up in particularly demanding and dynamic contexts of research. The University of Cyprus becomes better every year; therefore, it wishes to attract the best employees.

To this end, the University constantly develops its programs of study and recruits high-caliber staff who will contribute significantly to the design of new curricula, both at undergraduate and graduate level. One of the strategic aims of the University of Cyprus is the further promotion and development of research, in which new staff are expected to play an essential role.

KIOS Research and Innovation Center of Excellence (KIOS CoE)

The KIOS Research and Innovation Center of Excellence is the largest research center at the University of Cyprus and has recently been upgraded to a European Research Center of Excellence through the KIOS CoE Teaming project, with significant funding in excess of 40 million euros over the next 15 years. Currently, the Center employs more than 130 researchers (at various ranks/levels), who are supported by externally funded research projects.

KIOS provides an inspiring environment for carrying out top level research in the area of Information and Communication Technologies with emphasis on the Monitoring, Control, Management and Security of Critical Infrastructures including 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. The KIOS CoE operates in a diverse environment as an equal opportunity employer.

Job Details

Short Description/Duties and Responsibilities:

The successful candidates will have the opportunity to conduct fundamental or applied research in the areas of Information and Communication Technologies with emphasis on the Monitoring, Control and Security of Critical Infrastructure Systems. They will be encouraged to produce, submit and publish research results in international conferences and journals, with a view to acquire the PhD degree. They will also be expected to assist and contribute to various projects of KIOS CoE in order to accomplish its strategic objectives.

Profile of the ideal candidate:

The ideal candidate must possess excellent knowledge of the English Language, have strong self-management and organizational skills. The ideal candidate must possess technical and analytical skills and the knowledge needed to perform specific mechanical, information technology, mathematical or scientific tasks. He/ She must have the ability of critical thinking, where he/she should be able to use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to specific problems. The ability to prioritize tasks and manage effectively his/ her own time is essential.

Qualifications:

- Bachelor's or Master's in Engineering (Electrical, Computer, or Mechanical Engineering) or Computer Science or Mathematics or a related field from an accredited institution.
- Previous research experience will be considered an advantage.

Scholarship Terms:

The scholarship will be for one year and may be renewed annually, based on performance, for 3-5 years. It includes the University tuition fees and a monthly salary between €1000-€1700 depending on the candidate's qualifications and expertise. The 13th salary bonus is incorporated in the monthly salary. Maternity leave will be granted based on Social Insurance Laws from 1980 until 2012.

Application:

Interested candidates should submit the following items online through the link: <https://applications.ucy.ac.cy/recruitment>

- i. Cover letter that specifies their employment availability date as well as the research area that they apply to (a candidate may apply to more than one area)
- ii. Short description of their academic and research experiences (can be combined with the cover letter) (1 page maximum)
- iii. A detailed curriculum vitae in English or in Greek
- iv. Copies of transcripts of BSc/MSc degree(s)
- v. At least two reference letters from University Professors, uploaded directly from the referees

The applications should be submitted as soon as possible, but not later than **Friday, 2 October 2020 at 5 pm**. The evaluation of the applications will begin immediately. For more information please contact the KIOS Center of Excellence, by phone at +357 22893460 or via e-mail at kioshiring@ucy.ac.cy.