

## KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

### PhD Student Scholarships

**No. of Positions** : Fifteen (15) Positions  
**Category** : Scholarships  
**Location** : University of Cyprus, Nicosia, Cyprus

The KIOS Research and Innovation Center of Excellence (KIOS CoE) announces 15 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 systems, 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 smart camera networks. 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 52<sup>nd</sup> 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 100 researchers (at various ranks/levels), who are supported by externally funded research projects. The vision of KIOS is that it will grow to 150-200 researchers by 2022.

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 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.

### **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 stipend between €1000-€1700 depending on the candidate's qualifications and expertise. The scholarships do not include medical insurance coverage.

### **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.

### **DUTIES AND RESPONSIBILITIES**

The successful candidates will have the opportunity to conduct fundamental or applied research in the area of Information and Communication Technologies with emphasis on the Monitoring, Control and Security of Critical Infrastructure Systems. Depending on their qualifications and expertise, successful candidates will be responsible to prepare reports and project deliverables, contribute to the preparation of research proposals, algorithm and software development and assist in the supervision of undergraduate students. Furthermore, successful candidates will be encouraged to publish their research results in international conferences and journals.

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
- ii. A detailed curriculum vitae in English or in Greek
- iii. Copies of transcripts of BSc/MSc degree(s)
- iv. Short description of their academic and research experiences (1 page maximum).
- v. The names and contact details of at least two University Professors from whom references may be requested

The applications should be submitted as soon as possible, but not later than **Friday, 1 March 2019 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 [kios@ucy.ac.cy](mailto:kios@ucy.ac.cy)