



University  
of Cyprus



## KIOS RESEARCH AND INNOVATION CENTER OF EXCELLENCE

### Special Scientist for Research - Postdoctoral Researcher - ERC Consolidator Grant URANUS

**Title:** Special Scientist for Research (Post-Doctoral Researcher)  
**No. of positions:** One (1) position  
**Category:** Employment contract  
**Location:** University of Cyprus, Nicosia, Cyprus

The KIOS Research and Innovation Center of Excellence (<http://www.kios.ucy.ac.cy>) at the University of Cyprus (<https://www.ucy.ac.cy>) announces one Special Scientist for Research (Post-Doctoral Researcher) position, for full-time employment. The successful candidate will conduct research under the supervision of Associate Professor Stelios Timotheou (<https://www.eng.ucy.ac.cy/stimotheou/>) towards the goals of the prestigious ERC Consolidator Grant entitled URANUS: “Real-Time Urban Mobility Management via Intelligent UAV-based Sensing”. The required skills and expertise for the announced position include one or more of the following areas:

- Mathematical Optimization
- Systems and Control Theory
- Machine Learning
- Operation planning of Unmanned Aerial Vehicles
- Intelligent Transportation Systems/Traffic Management

Expertise in data-driven, model-free, large-scale and uncertainty-informed approaches in the above areas will be considered an advantage.

#### ***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 in the top-100 [Young Universities](#) (under 50 years) by the Times New Higher Education Rankings.

***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 180 people, who are supported by externally funded research and innovation projects.

***What we do:*** KIOS provides an inspiring environment for carrying out top-level multidisciplinary research in the area of Information and Communication Technologies, with emphasis on the Monitoring, Control, Management and Security of Critical Infrastructure Systems (CIS) including intelligent transportation networks, power and energy systems, water 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. Its close collaboration with operators and end-users of CIS enables the Centre to address problems of practical importance and work on high-profile projects with great impact on society and the environment.

***Why work at KIOS:*** 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.



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## ***URANUS Project***

URANUS is a 5-year, 2-million-euro ERC Consolidator Grant awarded to Associate Professor Stelios Timotheou that focuses on real-time, dynamic, and intelligent sensing of vehicular and pedestrian traffic via Unmanned Aerial Vehicles (UAVs), and the use of the collected information for urban mobility management. In this context, a holistic framework for real-time urban mobility monitoring and control, as well as UAV operational planning, will be developed. URANUS is expected to transform our understanding of joint optimization of sensing, monitoring, and control, and lead to step-change improvements in urban traffic mobility with prominent environmental and socioeconomic benefits.

### **Job details**

#### ***Candidate's profile***

The applicants should have a B.Sc. and/or an M.Sc. degree in Electrical and/or Computer Engineering, Computer Science, Mathematics, or other relevant field, as well as a Ph.D. degree or equivalent in the subject areas from an accredited institution. The applicants should be able to work independently and/or in a team in fundamental and/or applied research in the aforementioned areas to produce, publish, and present research results in top quality conferences and journals. They should also be able to assist in the supervision of students, help with the preparation of reports and project deliverables, and possibly attend academic and/or other conferences and seminars for further personal and professional development.

#### ***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 expertise and will be between €2200 - €3400. From this amount, employee contributions to the Cyprus government funds will be deducted. The 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 apply online (<https://applications.ucy.ac.cy/recruitment>) submitting the following items:

- 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-page maximum)
- A detailed curriculum vitae in English
- Copies of transcripts of BSc/MSc/PhD degree(s)
- Copy of an English language certificate
- Identify at least two referees that can provide reference letters

The applications should be submitted as soon as possible, but not later than **April 26, 2024 at 5pm**. The evaluation of the applications will commence immediately. At least the best three candidates that satisfy the required qualifications will be interviewed by the 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.



**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 Associate Professor Stelios Timotheou ([stimo@ucy.ac.cy](mailto:stimo@ucy.ac.cy)), or the KIOS Center of Excellence, by phone at +357 22893460 or via e-mail at [kioshiring@ucy.ac.cy](mailto:kioshiring@ucy.ac.cy).