Faculty Position at the Cyprus Institute with Specialization in Computation-based Science and Technology

Closing Date: 15ᵗʰ July 2018

The Cyprus Institute (www.cyi.ac.cy) invites applications for a new faculty member active in research fields served at its Computation-based Science and Technology Research Center (CaSToRC). The position offers excellent possibilities for professional development for highly motivated individuals in a field of growing importance in research.

The Cyprus Institute (CyI) is a non-profit science and technology institution based in Cyprus and led by an acclaimed Board of Trustees. The research aims of the Cyprus Institute are represented by three research centers: the Energy Environment Water Research Center (EEWRC), the Science and Technology in Archaeology and Cultural Heritage Research Center (STARC), and the Computation-based Science and Technology Research Center (CaSToRC).

CaSToRC has a research focus on the development of computational approaches that include modelling and simulation, visualization, and data methodologies, in order to advance scientific and engineering applications. In addition to research and educational activities it provides services through the operation of supercomputing systems and associated user support to the scientific and industrial communities. Strong relationships also exist with the Institute's other two research centers.

Current research topics in CaSToRC are broad and varied, fostering interdisciplinary exchange and scholarly discourse. They include:

I. Scientific Computing and Data Intensive Applications
II. Computational physics, chemistry and biology
III. Computational Climate, Weather & Environmental Science
IV. Medical physics/imaging
V. Visualization for scientific applications and the humanities

A number of these activities are funded by competitive European and local grants and the successful candidate is expected to contribute to them.

Position Description

The selected applicant is intended to primarily enhance the competencies of the center in the area of Data Science and its Applications. Preference will be given to experienced candidates (level of Associate or Full Professor) with demonstrated machine learning including deep learning expertise with applications to scientific and engineering areas. Other areas of competencies will be considered in addition in case of demonstrated excellence. S/he will implement and advance the research agenda of the Institute and CaSToRC in close collaboration with faculty, research staff and leadership of CyI. As a faculty member, an aptitude and/or experience in mentoring and teaching doctoral and Master's students is necessary as the successful candidate will be expected to actively contribute to the Institute's graduate program. The candidate will work in Cyprus and will be offered a tenure or tenure-

track position and an attractive salary and benefits package depending on the level of experience.

Responsibilities

The new faculty member will contribute in shaping the Institute's research agenda by:

- developing and implementing strategies appropriate to the Institute's mission;
- mentoring, educating and providing research guidance to graduate students;
- developing and expanding the Institute's educational activities
- developing a world-class research program in the area of Data Science and its Applications in accordance with the mission and developmental plan of CaSToRC;
- assisting in building a transdisciplinary research environment and collaborations with other research areas where simulation and data science is applicable
- securing financial and other resources from national and international sources;
- initiating and sustaining high-level collaborative projects with leading research institutions that conduct research in areas related to his/her respective fields;
- contributing to the development and implementation of facilities appropriate to the research of the Cyprus Institute;
- communicating the results and implications of research conducted in CaSToRC and the Institute at all levels, including academic, popular, and policy-related.

Profile

The successful candidate must have a proven research record of international standing as well as teaching and postgraduate training record appropriate for the rank they are applying for. A minimum of three years of post-doctoral research experience or equivalent in relevant fields of research is required for the rank of Assistant Professor; for the ranks of Associate Professor and Professor, international norms typical for Research Universities apply. The selected candidate must have excellent interpersonal and management skills as well as an aptitude and/or experience in mentoring and teaching graduate students depending on the rank they are applying for. Proficiency in spoken and written English is a requisite.

Application

For full consideration, interested applicants should process their application at The Cyprus Institute JobBoard (http://jobboard.cyi.ac.cy/). Applicants should submit: (i) a curriculum vitae including a list of publications and a compilation of research grants obtained, (ii) a vision statement that outlines their research agenda in relation to the mission of CaSToRC and the Cyprus Institute's interdisciplinary research scope indicating the rank they are applying for (Assistant/Associate or Full Professor), and (iii) a list of five references (including contact information). For further information please contact Ms. Christiana Melodias (head.hr@cyi.ac.cy). Recruitment will continue until the position is filled. Applications must include the job reference number in the subject heading.

Contact Person: Christiana Melodias

Reference Number: CyI_FP_18_06