



DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

ONE (1) POSITION FOR A SPECIAL SCIENTIST-RESEARCH

UNIVERSITY OF CYPRUS

Title : Special Scientist-Research
No. of Positions : One (1)
Category: One (1) year contract with the possibility of renewal
Employment Period: April 2024 –March 2025
Location : University of Cyprus, Nicosia, Cyprus.

The Department of Civil and Environmental Engineering (CEE) of the University of Cyprus announces one(1) vacant part-time Special Scientist - Research position. The position is for a junior researcher. The applicants must have at least a Master's degree from a recognized university. The successful candidate will conduct research under the supervision of Prof. Panos Papanastasiou in the Geomechanics Research for Energy and the Environment group on the Hydrogen Storage funded by the Natural Gas Engineering Program.

The filling of the position depends on availability of funding.

The required skills and expertise for the announced position include the following areas:

- Strong knowledge and understanding of physics in flow and deformation problems
- Experimental, Analytical and Numerical Modelling skills

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 67th young university (under 50 years) and #251-300 worldwide in Engineering and Technology by the Times New Higher Education Rankings. These great distinctions are the result of its 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.

Geomechanics Research for Energy and the Environment

Many of the engineering problems in Oil & Gas exploration, development and production and in Environmental applications are characterized by coupled physical processes such as time-dependent

thermo-hydro-mechanical ones which may include changes in the geometry as well. The research work aims at understanding of the involved processes, to express them in mathematical models and to develop efficient computational techniques for the solution of such problems. For more information please visit the link <http://www.ucy.ac.cy/energygeomechanics>

Special Scientist-Research Position: Associate Research Scientist

Short Description – Duties and Responsibilities:

The successful candidate will conduct fundamental and/or applied research in the area of mathematical and computational modelling of hydrogen storage processes. He / She must be able to work independently and/or in a team in fundamental and/or applied research, typically in the context of research and/or innovation projects. The successful candidate may assist in preparing reports and project deliverables, contribute to the preparation of research proposals, and assist in the supervision of graduate students of the master Program on Natural Gas Engineering. Furthermore, the successful candidate is expected to contribute in the publication of his/her research results in top international conferences and journals.

Required skills:

- knowledge and understanding of physics in storage, flow and deformation of liquid problems
- Numerical Modelling skills

Qualifications and Experience:

- Master's Degree in a relevant field of Engineering

Employment Terms:

The position is on a contract basis. Initially, a one-year contract will be offered, which is renewable for a second year based on performance. The gross monthly salary for this part time position (70 hours/month) depends on the candidate's qualifications and expertise and will be between €800 - €1200. From this amount, employee contributions to the various government funds will be deducted. 13th salary is included in the gross amount. 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 that specifies their employment availability
- Short description of their academic and research experiences (can be combined with the cover letter, 1-page maximum)
- A detailed curriculum vitae in English
- Copies of transcripts of BSc/MSc degree(s)
- At least two names of academic or professional references upon request

The applications should be submitted as soon as possible, but not later than **Monday, 4th of March 2024, 5 pm**. The evaluation of the applications will begin immediately. For more information, please contact Prof. Panos Papanastasiou, by phone at +357 22892292 or via e-mail panospap@ucy.ac.cy

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; submission of application implies acceptance of this condition.

At least the best three candidates that satisfy the required qualifications, will be interviewed by a 3-member Committee.

Candidates shall be informed of the result of their application by the relevant entity.

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.