

DEPARTMENT OF ARCHITECTURE**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING****SPECIAL SCIENTIST FOR RESEARCH**

TITLE: Special Scientist for Research

POSITION: One (1)

CATEGORY: Employment contract for one (1) year (subject to renewal)

The Energy & Environmental Design of Buildings Research Laboratory (EEDB) of the Department of Architecture and Ledra and Building Materials Laboratories of the Civil and Environmental Engineering Department at the University of Cyprus, are seeking to hire one (1) Special Scientist for Research (SSR) for the research project:

Development of a novel eco-friendly and sustainable masonry brick – EcoSuBrick (CODEVELOP-GT/0322/0079)

which includes industrial research and experimental development activities and aims to develop a new environmentally sustainable masonry brick in the framework of sustainable industrial production.

QUALIFICATIONS AND SKILLS:

- Bachelor diploma/degree in Mechanical or Civil Engineering.
- Master degree in Thermal or Environmental Engineering will be considered as an advantage.
- Knowledge of heat transfer modeling in solid porous media at COMSOL Multiphysics Software.
- Knowledge of heat transfer modeling in Ansys software will be considered as an advantage.
- Basic knowledge of the principles of life cycle analysis (LCA).
- Knowledge of an LCA software will be considered as an advantage.
- Ability to work in an interdisciplinary environment.
- Excellent knowledge of the English language.

The candidates do not need to be citizens of the Republic of Cyprus. Furthermore, they may join the doctoral study programs of the UCY.

DUTIES AND RESPONSIBILITIES:

- Thermal modeling of the brick.
- Thermal modeling of the masonry that will be made from the brick.

- Calculation and evaluation of the embodied energy of the brick.
- Calculation of the life cycle environmental impact of the brick.
- Writing manuscripts for publication in conference proceedings and scientific journals.
- Writing research proposals.

TERMS OF EMPLOYMENT:

- The position is for full time employment (i.e. 140 hours per month) on a contract basis for 12 months, with the possibility of renewal, upon successful progress evaluation at the end of the first year.
- The monthly gross salary is up to €1.900 depending on the qualifications and experience of the successful candidate. Employee contributions will be deducted from the above amount. The position does not include a 13th salary bonus.

Interested candidates should submit the following items in a combined PDF file:

1. Cover letter explaining the interest of the applicant for this post, along with employment availability date.
2. A detailed curriculum vitae.
3. A brief summary of prior work experiences, activities and accomplishments (can be combined with the cover letter) (2 pages maximum).
4. List of publications (optional).
5. Copies of degrees and transcripts of Bachelor and/or Master's degree(s)
6. Name and contact details of two referees for recommendation letters.

The selected candidates will be asked to provide certified copies of degrees from the Ministry of Education, Sports and Youth (in the case of degrees from Universities in Cyprus) or from the Issuing Authority (in the case of Universities abroad).

The candidates should submit their applications by 12/11/2023 via email to kyriakidis.andreas@ucy.ac.cy and CC to Dr. Apostolos Michopoulos (michopoulos.apostolos@ucy.ac.cy) Senior Researcher of Department of Architecture, Dr. Aimilios Michael (michael.aimilios@ucy.ac.cy) Assistant Professor of Department of Architecture and Dr. Ioannis Ioannou (ioannis@ucy.ac.cy) Professor of Civil and Environmental Engineering Department at the University of Cyprus.

The top three candidates who meet the required qualifications will be invited to an interview with a three-member panel.

Applicants will be notified of the outcome of their application via email.

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)

For more information, interested candidates may contact:

Dr. Apostolos Michopoulos (michopoulos.apostolos@ucy.ac.cy) or Prof. Ioannis Ioannou (ioannis@ucy.ac.cy)

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.