

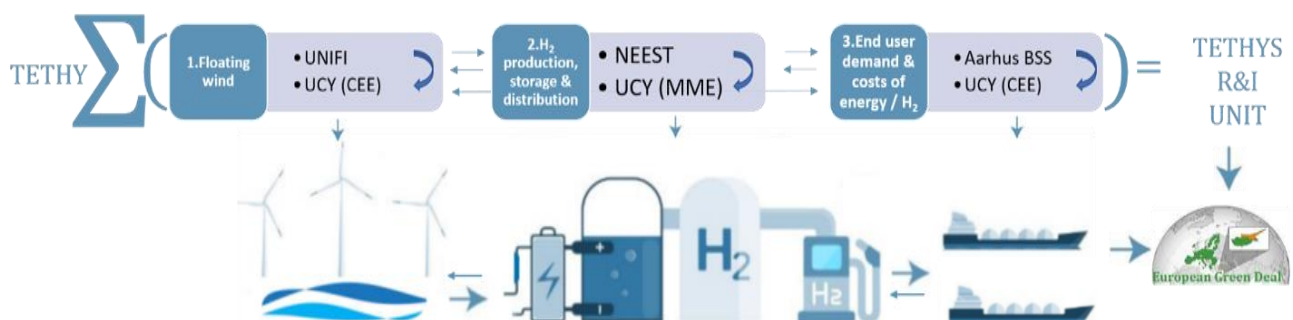
University of Cyprus
One (1) position for Special Scientist-Researcher
Department of Civil and Environmental Engineering and
Department of Mechanical and Manufacturing Engineering,
School of Engineering

Position title: Special Scientist-Research (up to master level)
 Number of positions: One (1)
 Category: Full time contract for 33 months (extendable to 36, subject to funding availability) with annual appraisal.
 Place of vacancy: Department of Civil and Environmental Engineering, University of Cyprus, Nicosia, Cyprus

The Department of Civil and Environmental Engineering of the University of Cyprus is inviting applications for the filling of one (1) position for a Research Special Scientist (RSS) with full-time employment, to conduct research in the remits of the project TETHYS: Twinning for Excellence in Floating Wind Turbine and Hydrogen Systems funded by the European Commission.

Join TETHYS

A cutting-edge research initiative focused on the integration of offshore floating wind turbines and green hydrogen systems. TETHYS aims to advance research and innovation in renewable energy and green technologies, crucial for Europe's Green Deal and Cyprus' energy future.



TETHYS is a collaborative effort between the University of Cyprus (UCY), leading institutions from Italy (University of Florence, Department of Industrial Engineering) and Denmark (Aarhus University, School of Business and Social Sciences), and a pioneering Greek start-up (NEEST). The project seeks to strengthen UCY's R&I capacity in offshore floating wind (FOW) and green hydrogen (H₂) systems, addressing the critical needs of the Cypriot and European energy sectors.

Duties and Responsibilities

The successful applicants will engage in a multidisciplinary research team as part of the TETHYS project, focusing on the integration of offshore floating wind turbines and green hydrogen systems and their utilization to decarbonise the maritime and other sectors. The Special Scientists-Researcher will be enrolled as PhD candidate in the Departments of Civil and Environmental Engineering focusing on:

For Green Hydrogen Potentials and Utilisation in the Maritime Sector (CEE).

Desirable Qualifications:

- Background in maritime transport, shipping, port economics, marine renewable energy, sustainable mobility.
- Understanding of the usage of zero emission fuels in maritime applications.
- Knowledge of environmental impact assessment and regulatory frameworks for maritime hydrogen utilization.

Compulsory Qualifications:

- **Educational Background:**
 - A Bachelor's degree (BSc) and/or a Master's degree in Civil Engineering, Environmental Engineering, Mechanical Engineering, or a closely related field with a grade of at least 2.1 or equivalent.
- **Language Proficiency:**
 - Advanced knowledge of English, both written and spoken.
- **Research and Academic Skills:**
 - Strong analytical and problem-solving abilities.
 - Ability to conduct independent research and work collaboratively in a multidisciplinary team and across multidisciplinary sectors.
 - Very good written and verbal communication skills.

Desirable Qualifications:

- **Programming Skills:**
 - Experience in programming languages such as Python, C++, or MATLAB for data analysis and modeling. Willingness to work with other programming languages if needed.
 - Experience with computational tools and software relevant to the research topics.

Specific Duties Include:

- Conduct research aligned with the TETHYS project objectives, particularly in offshore wind energy and green hydrogen systems.
- Write articles and publish research findings in scientific journals and conferences.
- Prepare and submit research proposals to secure funding for the TETHYS project.

- Provide support in the preparation of research proposals.
- Supervise undergraduate and postgraduate research projects.
- Support the management of research programs within the TETHYS project.
- Contribute to the dissemination of research results and educational activities.
- Contribute to the development of educational programs related to the research activities of the TETHYS project.
- Facilitate collaborations between the University of Cyprus and international partners to promote knowledge exchange and best practices.
- Participate in training and mobility programs designed to enhance your research and professional skills, as part of TETHYS and of the CEE's PhD programs.

By joining the TETHYS project, you will have the opportunity to engage with a vibrant ecosystem of academic, industrial, and governmental stakeholders, and contribute to innovative research with significant societal and environmental impact. You will become an active member of a research core consisting of more than 14 academics and researchers of all levels spanning a wide range of disciplines and sectors.

Benefits

- Participate in international research collaborations.
- Access advanced training and mobility programs including industry internships and research placements in the partner institutions of UNiFi (Italy) and Aarchus (Denmark) and in NEEST (Greece).
- Build your knowledge and skilset through the TETHYS training program.
- Benefit from a research and career development plan designed, monitored and updated by experienced academics and industry experts, and tailored to your needs.
- Engage with a vibrant ecosystem of academic, industrial, and governmental stakeholders.
- Participate in CEE's PhD program and broaden your fundamental knowledge base and learning experiences. Info: <https://www.ucy.ac.cy/graduateschool/ph-d-programmes/?lang=en>.
- Support CEE teaching activities (following a successful application).

Terms of employment

The position is offered on a 33-month (extendable to 36, subject to funding availability), full time (140 hours per month) contract basis with annual appraisal. The monthly gross salary is set at **€2,000**. This amount is subject to deductions for the employee's contributions to various State Funds and includes a proportionate 13th salary. It is noted that in Cyprus the tax rate for incomes lower than €19 500 is zero (0). Maternity leave will be granted based on Maternity Protection Law 1997(N.100(I)/1997), and the existing amendment laws.

For more information on the registration and requirements of doctoral programs at the University of Cyprus, please follow the appropriate (for Department of Civil and Environmental Engineering) link here <https://www.ucy.ac.cy/graduateschool/ph-d-programmes/?lang=en>.

The employment starting date is on the **7th of January 2025** or soon after.

APPLICATION SUBMISSION

Applicants are requested to submit the following documents via email in a **single PDF** format by **14th of November 2024**. Your application must be submitted to stagonas.dimitris@ucy.ac.cy and dimitriou.loukas@ucy.ac.cy

Documents required:

1. Cover letter (no longer than 1 page)
2. Detailed Curriculum Vitae
3. List of Publications (if any)
4. Copies of academic degrees and transcripts
5. The names and contact details of 2 people who agreed to provide academic references upon request

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 evaluation of the applications will begin immediately. 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 (online) by a 3-member Committee. Candidates shall be informed of the result of their application by the relevant entity.

The University of Cyprus (UCY) is committed to promoting inclusivity, diversity, and equality, as well as the elimination of all forms of discrimination 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.

Informal enquires Please contact dimitriou.loukas@ucy.ac.cy