

PhD position in Smart Grids (R1)

PHAETHON CoE

Job Title: **PhD position in Smart Grids (R1)**

Reference number:

Directorate: **Research**

Employment Type: **Full-Time**

About PHAETHON CoE

The PHAETHON Centre of Excellence (CoE) at the University of Cyprus is a rapidly growing European research hub in intelligent, efficient and sustainable energy systems.

Established under the EU “Teaming for Excellence” programme, PHAETHON collaborates strategically with internationally recognised institutions including:

- Technical University of Denmark (DTU).
- University of Groningen (UG).

Through these partnerships, selected PhD candidates have the opportunity to pursue a joint or co-supervised PhD degree, benefiting from the academic excellence, international reputation, and research infrastructure of these leading European universities.

The Centre develops cutting-edge research in renewable energy systems, smart grids, energy storage, artificial intelligence for energy, and digital energy systems, contributing to Europe’s transition toward climate neutrality. PHAETHON provides a dynamic and international research environment, with strong links to industry, European research projects, and emerging energy innovation ecosystems.

Position Overview

PHAETHON CoE invites highly motivated early-stage researchers wishing to pursue doctoral studies and contribute to cutting-edge research in **Smart Grids**. The successful candidate will join an international and multidisciplinary research environment, contributing to the development of innovative solutions supporting future intelligent and sustainable energy systems.

Successful candidates will:

- Be enrolled as full-time PhD students at the University of Cyprus.
- Conduct research within a Research Unit of PHAETHON CoE.
- Have the possibility of joint or co-supervised PhD arrangements with the Technical University of Denmark and/or the University of Groningen (subject to eligibility and institutional approval).
- Participate in international collaborations, mobility periods, and research secondments.

Research Areas

Candidates are encouraged to apply if their research expertise focuses on smart grids, with interests in advanced grid operation and control, optimized power flows, future power system modelling, and next-generation grid-flexible energy technologies.

What the PhD Covers

The fully funded PhD includes:

- Monthly financial support corresponding to a gross annual rate of €18,000–€30,000, including the 13th salary, for a full-time position (residency in Cyprus is required).
- Coverage of PhD tuition fees for up to four years, corresponding to the standard period of PhD completion.
- Research support and access to state-of-the-art laboratory infrastructure.
- Opportunities for funded mobility and research visits to Technical University of Denmark and/or University of Groningen.
- Participation in international conferences and scientific training.

Academic Environment

PhD candidates will:

- Work under the supervision of internationally recognised researchers.
- Engage in EU and nationally funded projects.
- Publish in high-impact scientific journals.
- Present research at leading international conferences.
- Develop strong academic and transferable skills.

PHAETHON offers a vibrant, multicultural, and research-intensive environment with strong links to industry, policymakers, and international research institutions.

Key Responsibilities

- Conduct research activities under senior supervision.
- Perform modelling, data analysis, and experimental validation.
- Participate in lab testing, pilot installations, or fieldwork.
- Contribute to scientific publications and technical reports

Career Development

- Mentorship by senior researchers.
- Progression pathway to Recognised Researcher (R2).
- Participation in National or European research networks.

Required Qualifications

Applicants must:

- Hold a Bachelor's and / or Master's degree in Electrical Engineering, Electronic Engineering, Computer Engineering or a closely related field.
- Demonstrate strong academic performance.
- Show clear motivation for doctoral research.
- Possess analytical thinking and research skills.
- Have excellent command of English.

Conditional Offer

The award of the PHAETHON PhD is strictly conditional upon the candidate's formal admission to a PhD programme at the University of Cyprus (UCY).

Selected candidates must submit a separate application to the relevant UCY PhD position, which is officially advertised and administered through the UCY Graduate School (<https://www.ucy.ac.cy/graduateschool/>), and must satisfy all academic admission requirements set by the respective Department.

The successful candidate is expected to commence the PhD programme during the January intake period; therefore, applicants must ensure that they submit their application to the relevant University of Cyprus PhD programme within the corresponding UCY application window and comply with all applicable deadlines and admission requirements.

The PHAETHON PhD Studentship will be activated only upon official confirmation of admission and enrolment as a UCY PhD student.

Who Should Apply?

We strongly encourage applications from:

- Local or International candidates seeking a high-quality European doctoral programme.
- Candidates interested in joint doctoral degrees with leading EU universities.

Application Documents

Interested candidates should submit:

- Letter of motivation (including proposed research interests)
- Full CV
- Copies of Bachelor's degrees and transcripts
- Contact details of two academic referees
- Any relevant publications (where available)

Application Deadline

Friday 6 November 2026

If you have previously applied for any position at PHAETHON CoE, a new application is required. Screening of applications will begin immediately after this deadline.

Equal Opportunities & Data Protection

PHAETHON CoE is an Equal Opportunities Employer and encourages applications regardless of gender, nationality, or background.

All personal data will be processed in accordance with the EU General Data Protection Regulation (EU 2016/679).