

Luxembourg Jobs Expertini®

PhD candidate in Smart European Electricity Markets

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Company: University of Luxembourg

Location: Esch-sur-Alzette

Category: architecture-and-engineering

About the SnT

SnT is a leading **international research and innovation centre** in secure, reliable and trustworthy ICT systems and services. We play an instrumental role in Luxembourg by fueling innovation through research partnerships with industry, boosting R&D investments leading to economic growth, and attracting highly qualified talent.

The Centre is rapidly expanding its research activities and is seeking highly motivated doctoral candidates who wish to pursue research in close cooperation with our partners. For further information you may check: [and](#)

We're looking for people driven by excellence, excited about innovation, and looking to make a difference. If this sounds like you, you've come to the right place!

Your Role

Successful candidates will join the young, vibrant, and interdisciplinary FINATRAX Research Group, which builds bridges between electricity markets and digital technologies in Luxembourg. Together with several of the EU's main institutions and stakeholders we contribute to shaping our energy transition. Located at the heart of Europe, the group consists of doctoral and post-doctoral researchers from diverse backgrounds (, economics, business, technology), united in pursuit of sustainable solutions that positively impact and shape a low-carbon economy and society. For more information, please visit our website: [Successful candidates will carry out research in the area of Smart European Electricity Markets, making a contribution to a successful energy transition in Luxembourg and the EU. As such, the candidate will also be involved in various \(inter-\)national initiatives and](#)

engage with different (political) decision makers to shape future markets in Europe.

Candidates will have the opportunity to investigate a broad range of research areas and design an individual research portfolio with high policy impact. As such, successful candidates will be able to align the skills that they learn pursuing a doctorate with their personal goals and interests.

Your Profile

Qualifications:

Master's degree in Energy Policy, Energy Economics, Mathematics, Operations Research, or a related field

Strong knowledge of quantitative and/or computational research methods, ideally optimization and simulation models or forecasting / econometric analysis

Proficiency in one of the major programming languages such as Python

A collaborative team player with a desire to make

a personal impact within our interdisciplinary research group and our broader economy and society

The commitment to participate in the design, implementation, and theoretical elaboration of high-quality solutions that solve significant real-world economic problems in the energy domain

Self-initiative, creativity, curiosity, flexibility, and enthusiasm to work

Knowledge and Experience:

The position requires English-language proficiency for both written and verbal communication. Knowledge of French, German and/or Luxembourgish is **not required** .

Here's what awaits you at SnT

A stimulating learning environment. Here post-docs and professors outnumber PhD students. That translates into access and close collaborations with some of the brightest ICT researchers, giving you solid guidance

Exciting infrastructures and unique labs. At SnT's two campuses, our researchers can take a walk on the moon at the LunaLab, build a nanosatellite, or help make autonomous vehicles even better

The right place for IMPACT. SnT researchers engage in demand-driven projects. Through our Partnership Programme, we work on projects with more than 55 industry partners

Multiple funding sources for your ideas The University supports researchers to acquire funding from national, European and private sources

Competitive salary package . The University offers a 12 month-salary package, over six weeks of paid time off, meal vouchers and health insurance

Be part of a multicultural family . At SnT we have more than 60 nationalities. Throughout the year, we organise team-building events, networking activities and more

Boost your career. Students can take advantage of several opportunities for growth and career development, from free language classes to career resources and extracurricular activities

But wait, there's more!

Complete picture of the perks we offer

Discover our Partnership Programme

How to apply

Applications, written in English should be submitted through the University's job portal and should include:

A cover letter including: A statement on the candidate's personal motivation for applying (why a doctoral program, why in Luxembourg, minimum 300 words)A statement on the candidate's motivation for shaping future electricity markets in Luxembourg and Europe (minimum 300 words)

Full CV, including the contact address and work experience

Transcript of all modules and results from university-level courses taken (Bachelor's and Master's degree or equivalent)

All qualified individuals are encouraged to apply.

Early application is highly encouraged, as the applications will be processed upon reception.

Please apply formally through the HR system. Applications by email will not be

considered.

The University of Luxembourg embraces inclusion and diversity as key values. We are fully committed to removing any discriminatory barrier related to gender, and not only, in recruitment and career progression of our staff.

General information:

Contract Type: Fixed Term Contract 36 Month (extendable up to 48 months if required)

Work Hours: Full Time 40.0 Hours per Week

Location: Kirchberg

Employee and student status

Job Reference: UOL06423

The yearly gross salary for every PhD at the UL is EUR 40952 (full time)

About the University of Luxembourg

University of Luxembourg is an **international research** university with a distinctly **multilingual** and **interdisciplinary** character. The University was founded in 2003 and counts more than 6,700 students and more than 2,000 employees from around the world. The University's faculties and interdisciplinary centres focus on research in the areas of Computer Science and ICT Security, Materials Science, European and International Law, Finance and Financial Innovation, Education, Contemporary and Digital History. In addition, the University focuses on cross-disciplinary research in the areas of Data Modelling and Simulation as well as Health and System Biomedicine. Times Higher Education ranks the University of Luxembourg #3 worldwide for its "international outlook," #20 in the Young University Ranking 2021 and among the top 250 universities worldwide.

Further information

For further information, please contact @. Only applications submitted through the University's job portal will be processed. Applications by email will not be considered.

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