

Professor in Applied Power Electronics for Clean Energy Solutions

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Company: KU Leuven

Location: Ghent

Category: computer-and-mathematical

You have a PhD or doctoral degree in Electrical Engineering.

You have a strong research track record in the domain, evidenced by publications in good quality/international journals. Industrial experience and international research experience are positive factors. Experience in acquisition of competitive funding is an asset.

You have good teaching skills, and educational experience is considered a positive factor.

You possess leadership and organisational skills and highly value team cooperation.

Proficiency in English is required.

The official language used at KU Leuven is Dutch. If you do not speak Dutch (or do not speak it well) at the start of employment, KU Leuven will provide language training to enable you to take part in meetings.

Before teaching courses in Dutch or English, you will be given the opportunity to learn Dutch, respectively English, to the required standard.

You accept the necessary mobility required in fulfilling the teaching and research assignments.

In the Science, Engineering and Technology Group of KU Leuven, Faculty of Engineering Technology, Department of Electrical Engineering (ESAT-ELECTA), there is a full-time academic vacancy (part of the senior academic staff) in the area of electrical engineering at KU Leuven Ghent Campus. We are looking for internationally orientated candidates with an

excellent research record and with educational competencies within the field of power electronics and clean energy technology. While the research of ESAT ELECTA-Ghent is embedded in EnergyVille (cooperation of KU Leuven, VITO, imec and UHasselt with headquarters in Genk and focussing on sustainable energy and smart energy systems), the professors of this unit are mainly operating from the research facilities in Ghent. Research infrastructure is available for photovoltaic systems, grid protection, electric mobility, and the group has an extensive (inter)national network, connections with companies and non-profit organisations, a stable offer of skilled PhD students and a supportive work environment. The Faculty of Engineering Technology has a specific application-oriented teaching, research and PhD profile and focusses on R&D that brings innovation that is relevant for industry and/or society. The appointee will be expected to comply with that profile. We are offering full-time employment in an intellectually challenging environment. KU Leuven is a research-intensive, internationally oriented university that carries out both fundamental and applied scientific research. Our university has a high inter- and multidisciplinary focus and strives for international excellence. In this regard we actively work together with research partners in Belgium and abroad and provide our students with an academic education that is based on high-quality scientific research. You will work at KU Leuven Ghent Campus, in a historic city with a 40-minute rail connection to Brussels, and about three hours train to Paris, London and Amsterdam. Depending on your record and qualifications, you will be appointed to or tenured in one of the grades of the senior academic staff: assistant professor, associate professor, professor or full professor. In principle, junior researchers are appointed as assistant professor on the tenure track for a period of 5 years; after this period and a positive evaluation, they are permanently appointed (or tenured) as an associate professor. KU Leuven is well set to welcome foreign professors and their family and provides practical support with regard to immigration and administration, housing, childcare, learning Dutch, partner career coaching, ... To facilitate scientific onboarding and accelerate research in the first phase a starting grant of 110.000 euro is offered to new professors without substantial other funding, appointed for at least 50%.

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