

Junior professor in privacy technologies
KU Leuven

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Posted Feb. 20, 2024, set to expire Jun. 21, 2024

Job Title Junior professor in privacy technologies
Department Department of Electrical Engineering
<https://www.esat.kuleuven.be/english/overview>
Institution KU Leuven
Leuven / Heverlee, , Belgium

Date Posted Feb. 20, 2024

Application Deadline Mar. 14, 2024
Position Start Date Sep. 1, 2024

Job Categories Assistant Professor
Associate Professor
Professor

Academic Field(s) Computer/Information Sciences

Job Website <https://otarchp.aps.kuleuven.be/archive?get&pVersion=0045&contRep=P1&docId=1348CBF997>

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Job Description

The Science, Engineering and Technology Group of KU Leuven at the Department of Electrical Engineering (ESAT) and the Faculty of Engineering Science invites applications for a full-time academic tenure-track professor position in Privacy Technologies.

We are looking for a junior candidate with both educational competence and excellent research experience and expertise in the field of privacy technologies.

The new professor will become a member of the COSIC research group in the Department of Electrical Engineering (ESAT), an internationally leading research group with recognized expertise in the areas of cybersecurity, cryptography, privacy and hardware security.

Candidates are expected to develop and present an ambitious research programme that integrates well with the current research activities of the research group and the Department. Candidates should also contribute to academic education at bachelor and master level and be willing to provide scientific services, both within and outside the university.

The appointment is scheduled to start on September 1, 2024.

<HTTPS://www.esat.kuleuven.be/cosic/>

Duties Research

? The tenure-track position is intended to foster high-quality research in a strategically selected domain. The successful candidate is therefore expected to develop an ambitious research programme that delivers excellent, international-level research results, as well as to build up and enhance national and international research collaborations in privacy technologies.

? More specifically, the research needs to concentrate on privacy technologies with an integrated view on technical, legal as

well as user aspects. The research program should address privacy-enhancing technologies focusing on one or more of the

following areas: computing on encrypted data (MPC, FHE, ..), zero-knowledge protocols, identity management, privacy-friendly

authentication protocols, network-level privacy, distributed ledgers, and context-based services. It is expected that the research

touches a broad range of application areas.

? Among others, research will be conducted within the framework of the Cybersecurity Initiative

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Flanders. In addition, it is expected that the candidate develops other interdisciplinary collaborations both within and outside the university, publishes in this area at the highest scientific level, acquires competitive funding and supervises PhD students and postdoctoral researchers.

Teaching

? The successful candidate will have to take on teaching duties in the Master of Electrical Engineering (courses in ICT Security and Networks), the Advanced Master in Cybersecurity and/or the Advanced Master in Artificial Intelligence – all of the Faculty of Engineering Science – and/or similar courses in other faculties.

? The candidate is expected to meet the reigning KU Leuven standards regarding level and orientation of academic programs and to adhere to KU Leuven's concept of education. Commitment to the quality of the education as a whole is an obvious requirement.

Service

? In addition to research and education-related tasks, you are expected to take on administrative, organizational or promotional tasks within the research division, the Department and the Faculty, as well as tasks of more general scientific and societal service.

? You are actively involved in promoting the Faculty of Engineering Science and the different education programs in the domain of Electrical Engineering to future students and participate in information and public-relations activities of the faculty.

Profile

? Candidates must hold a PhD or doctoral degree in Electrical Engineering, in Computer Science or in Informatics.

? They are expected to be excellent researchers who show independence and originality. They must be dedicated to high-quality teaching, and will have to contribute to the quality of both the research and the teaching at the Department and research division and the Faculty, respectively.

? The candidate's research ability should be evidenced by publications in international peer-reviewed journals and top conferences in the field. International research experience is expected. In their application, candidates need to include a description of the objectives they wish to realise/methods they plan to use during the five-year period of the tenure-track position.

? Proficiency in English is required. Near-native proficiency in the English language (at least level C1) is expected of all applicants.

? 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

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meetings.

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

? The full-time position will be offered for a period of five years starting on September 1, 2024, at the level of tenure-track assistant professor (docent). A positive evaluation at the end of the five-year appointment will result in a tenured appointment as associate professor (hoofddocent).

Offer

We offer 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. It is highly focused on interdisciplinary and multidisciplinary research and strives for international excellence. The university actively works together with research partners in Belgium and abroad, and provides its students with an academic education that is based on high-quality scientific research.

? You will work in Heverlee near Leuven, a historic, dynamic and lively city located in the heart of Belgium, within 20 minutes from Brussels, the capital of the European Union, and less than two hours from Paris, London and Amsterdam.

? KU Leuven is well set to welcome foreign professors and their family and provides practical support with regard to immigration & administration, housing, childcare, learning of Dutch, partner career coaching, etc.

? To facilitate scientific onboarding and to accelerate research in the startup phase a starting grant of 110,000 euro is offered to new professors with substantial other funding, appointed for at least 50%.

? As a junior academic professor, you will be appointed as tenure-track assistant professor ("tenure track docent") for a period of 5 years, starting on September 1, 2024. After this period and provided a positive evaluation, you obtain a tenured position as associate professor.

Interested?

For more information on the contents of the job, please contact:

Prof. dr. ir. Bart Preneel, chair of the COSIC research division (bart.preneel@kuleuven.be)

Prof. dr. ir. Georges Gielen, chair of the Department of Electrical Engineering (ESAT) (georges.gielen@kuleuven.be)

Add to your application the following documents (more information is available on the KU Leuven job site):

1. your biosketch in which you indicate your added value as an academic for research, education and service to society, of your past career and of your future activities (maximum 2 pages);
2. a file on your five most important publications or realizations;

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3. an extensive cv including a full publication list;
4. your research plan with focus on the development of your research line and research team in relation with the colleague-researchers of the entity of employment (maximum 4 pages);
5. your vision on academic education and its organization (maximum 2 pages);
6. your contribution to society by outreach and public communication on science and technology, internal representation in boards and councils and service activities directly in relation to your developed expertise (maximum 1 page);
7. your vision on leadership (maximum 1 page).

You can submit your application only online through our online application system. If you have problems submitting your application online, please contact solliciteren@kuleuven.be.

You can apply for this job no later than March 14, 2024 via the online application tool :

<http://www.kuleuven.be/eapplyingforjobs/60292973>

EEO/AA Policy

KU Leuven is committed to creating a diverse environment and is therefore an equal opportunity employer. It explicitly encourages candidates from groups that are currently underrepresented at the university to submit their applications. KU Leuven places great importance on research integrity and ethical conduct and will therefore ask you to sign an integrity statement upon appointment. KU Leuven seeks to foster an environment where all talents can flourish, regardless of their gender, age, cultural background, nationality or impairments.

If you have any questions relating to accessibility or support, please contact us at diversiteit.HR@kuleuven.be. KU Leuven strives for an inclusive, respectful and socially safe environment. We embrace diversity among individuals and groups as an asset. Open dialogue and differences in perspective are essential for an ambitious research and educational environment. In our commitment to equal opportunity, we recognize the consequences of historical inequalities.

We do not accept any form of discrimination based on, but not limited to, gender identity and expression, sexual orientation, age, ethnic or national background, skin colour, religious and philosophical diversity, neurodivergence, employment disability, health, or socioeconomic status. For questions about accessibility or support offered, we are happy to assist you at [this email address. https://www.kuleuven.be/wieiswie/nl/person/ue71165](mailto:https://www.kuleuven.be/wieiswie/nl/person/ue71165)

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Prof. Dr. Bart Preneel
Department of Electrical Engineering
KU Leuven
Leuven / Heverlee
Belgium

Contact E-mail bart.preneel@kuleuven.be