

Research topics	Zero-Knowledge Proofs
Position (M/F)	PhD, thesis offer;
Reference offer	CS/AF/zkp/082023
Research Department	Digital Security (SN)
Publication date	11/09/2023
Start date	ASAP
Duration	Duration of the thesis;

Description

EURECOM is seeking a highly motivated and talented PhD student to join our research team under the supervision of Prof. Antonio Faonio. The selected candidate will work on a challenging and innovative research project focused on zero-knowledge proofs (ZKPs) and their applications in cloud scenarios. The primary objectives of this position are to advance the state-of-the-art in ZKPs, with a particular emphasis on zkSNARKs, and to explore novel applications of such protocols.

Requirements

- Master's degree in computer science, mathematics or a closely related area.
- Good background in cryptography and cryptographic protocols. Solid background in Algebra, Probability and computational complexity.
- Strong written and verbal communication skills in English.

Application

Interested candidates are invited to submit the following application materials to antonio.faonio@eurecom.fr and secretariat@eurecom.fr with reference **CS/AF/zkp/082023** :

- Curriculum Vitae (CV)
- Cover letter outlining research interests and career goals
- Contact information for at least two academic or professional references
- the transcripts of courses taken at graduate (and optionally undergraduate) level

Shortlisted candidates will be invited for an online interview. The selected candidate will have the opportunity to enroll in EURECOM's PhD program and embark on an exciting research journey in a vibrant academic community.

For inquiries or more information about this position, please contact antonio.faonio@eurecom.fr.



About EURECOM

EURECOM is a major Engineering School and a Research Center in digital sciences founded in 1991 as a consortium in the international technology park of Sophia Antipolis. The IMT is a founding member of the GIE. Teaching and research activities are organized around 3 promising fields: digital security, communication systems and Data Science.

EURECOM has a staff of 150 (researchers and support teams) and welcomes 400 international students on the Campus Sophia Tech, the largest information science and technology campus of the region. EURECOM enjoys a privileged geographical environment on the French Riviera (Côte d'Azur), between sea and mountains, at the heart of a dynamic and multidisciplinary ecosystem that promotes high-level scientific and technological innovation.

Social advantages

- Attractive salary - Corporate saving plans
- Private retirement plan (employer participation of 100%)
- Employee profit sharing policy
- Company health insurance (mutuelle) with high levels of guarantees for the whole family (employer participation of 60%)
- Restaurant vouchers : value 10,50 euros (employer contribution of 60%)

EURECOM has a dynamic policy in terms of inclusion and quality of life at work, committed to diversity and gives the same consideration to all applications, without discrimination.

EURECOM has a "Mission Handicap" policy. All our positions are open to people with disabilities. A designated disability referent welcomes and provides support to employees and students suffering from a disability. He puts in place the necessary arrangements and makes positive commitments in favor of a personalized integration.

EURECOM, as part of its Annual Gender Equality Plan, practices inclusive recruitment without any kind of gender discrimination. The conditions of employment are identical for women and men. In order to promote the diversity in its teams, EURECOM encourages male applications for administrative positions, traditionally occupied by women, and female applications for teaching/research positions, traditionally occupied by men.

EURECOM carries out positive actions within the framework of its CSR policy. A CSR referent steers EURECOM's policy in terms of CSR and energy transition (electric charging stations, solar panels, selective sorting, etc.).