

Research topics	Quantum Information, Quantum Statistics, Quantum Learning, Classical Information Theory
Position (M/F)	PhD, thesis offer
Reference offer	CS/AP/Quant/082023
Research Department	Communication Systems (CS)
Publication date	01/08/2023
Start date	ASAP
Duration	Duration of the thesis

Description

The selected candidate will conduct fundamental research in the areas of Quantum Information, Quantum Statistics, Quantum Learning and Classical Information Theory, broadly specified. Topics include but are not limited to 1) One-shot quantum information theory, 2) Quantum PAC Learning, 3) Error Exponents and Renyi Divergences, 4) Classical Information Theory, among others.

Requirements :

- Education Level / Degree: Masters in EECS, Statistics/Mathematics
- Field / specialty: Classical Communication, Quantum Information, Information and Coding Theory
- Other skills / specialties: Exposure to quantum information or quantum computation is not necessary

Application :

The application must include :

- Detailed curriculum,
- List of publications specifying the three most important publications,
- Motivation letter of two pages also presenting the perspectives of research and education,
- Name and address of three references.

Applications should be submitted by e-mail to secretariat@eurecom.fr with the reference: CS/AP/Quant/082023



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
- Employee profit sharing policy
- Company health cover (mutuelle) with high levels of guarantees for the whole family (employer participation of 60%)
- Restaurant vouchers (60% employer contribution)

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 provide support to employees and students suffering from a disability. He puts in place the necessary arrangements and makes positive commitments in favour 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.).