

Research topics	Advanced technologies of future wireless networks
Position (M/F)	PhD, thesis offer
Reference offer	CS/FS/PhD/032023
Research Department	Communication Systems
Publication date	07/03/2023
Start date	ASAP
Duration	Duration of the thesis
Description	

The selected candidate will conduct fundamental research in the broad area of advanced technologies of future wireless networks.

Topics include but are not limited to:

- Fundamental limitations of networked control systems
- Multi-agent systems
- Optimal control and filtering
- Game theory for controlled networks
- Feedback channel capacity

Requirements

- MSc degree completed or toward its completion
- Very strong mathematical background
- Provable knowledge on at least one of the following areas: information theory, control theory, optimal control, Markov decision theory and reinforcement learning will be greatly appreciated
- Excellent communication skills with the ability to work in a group

Application

The application must include:

- a detailed resume,
- a list of at least two referees,
- a one-page research statement advertising yourself, e.g., interests, achievements and why do you think you could be a good fit for this position.

Applications should be submitted by e-mail to Prof. Fotios Stavrou (fotios.stavrou@eurecom.fr) and secretariat@eurecom.fr with the reference : **CS/FS/PhD/032023**

The interested candidates are advised to indicate "PhD Position" in the e-mail subject line.

The deadline for the applicants is April the 15th 2023.

After the deadline, short listing of the potential candidate will be followed, including interviews soon thereafter.



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.).