Research topics

Real-Time Communication Networks

Position (M/F) Post-Doctoral
Reference offer CS/FS/PostDoc/022023
Research Department Communication Systems
Publication date 23/02/2023
Start date ASAP
Duration Fixed Term Contract [18 months maximum]

Description

The selected candidate will conduct fundamental, independent research in the broad area of real-time communication networks.

Topics include but are not limited to
- Multi-agent systems
- Fundamental limitations of networked control systems
- Game theory for controlled networks
- Feedback capacity of channels with memory

Requirements

- Degree from a recognized university (PhD/DPhil/Dr.-Ing. – completed or soon to be completed) in electrical engineering, computer science, applied or computational mathematics or related engineering or natural sciences
- Provable knowledge on at least one of the following research areas: information theory, computational mathematics, optimal control and Markov decision theory, reinforcement learning, optimization
- Strong publication record in top academic journals and conference venues (e.g., IEEE Transactions, Automatica, SIAM, IEEE ISIT, IEEE CDC, top ML conferences)
- Excellent analytical, technical and problem solving skills
- Organizational talent, excellent communication skills, and provable ability to work in a group

Application

The application must include:
- a detailed resume
- a list of at least three referees
- a one-page research statement advertising yourself, e.g., interests, research plans, 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/PostDoc/022023

Applications will be constantly considered until the position is filled.
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.).