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| Research topics | Foundations of Communication Networks |
| Position (M/F) | PhD, thesis offer |
| Reference offer | CS/DM&PE/FoundCommNet/022024 |
| Research Department | Communication Systems (CS) |
| Publication date | 07/02/2024 |
| Start date | ASAP |
| Duration | Duration of the thesis |

Description

EURECOM's Communication Systems Department, one of Europe's premier research labs in communications and networking, invites applications at PhD levels. The position is to be filled ASAP. The position is as part of [the Networks of the Future PEPR](#) supported by the French National Agency for Research (ANR) with a focus on the **Foundations of Communication Networks**. The position is intended for talented researchers with a strong mathematical background and the drive to push the knowledge frontiers in the area of advanced wireless networks, with a special emphasis on one (or more) of the following areas:

- Task-oriented communication and learning by exploiting the structures of data, functions, and networks
- Fundamental limits of distributed computation
- Coding for distributed and parallel systems, Coding for efficient updates
- Distributed coding for content access, in caches and the edge
- Learning algorithms for computing
- Over-the-air computing,
- Computation in sensor networks

Requirements

- Education Level / Degree : Undergraduate degree in Electrical Engineering or in Mathematics
- Field / specialty: Communication Systems
- Technologies / Languages / systems: Matlab, Python
- Other skills / specialties: Strong Mathematical Background
- Other important elements: Strong Academic and Algorithmic Skills

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/DM&PE/FoundCommNet/022024



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 (executive, 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 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.).