



Faculty Position (M/F)

(Reference: CS_DG_MDC_Data_Driven_032018)

Research topics **Data-driven Communication Systems**

Department Communication Systems

Parution date 29/03/2018

Start date ASAP

Duration Full time CDI contract

Description Tenured Faculty Position at EURECOM's Communication Systems Department:

The Communications Systems department of EURECOM, Sophia Antipolis, France, invites applications for a full time tenured faculty position in the broad area of data-driven communication systems.

We welcome outstanding candidates with strong analytical skills, a proven research and teaching track record in some of the following areas: Communication systems and theory, data driven optimization, machine learning methods for communications, statistical inference, distributed signal processing and estimation, systems (5G and beyond, IoT, V2X, robotic networks..)

A Ph.D. degree in electrical engineering or equivalent is required. Position is open until filled and review of applications will begin April 2018. Questions can be directed to Prof. David Gesbert (gesbert@eurecom.fr), chair of the search committee. Applications should be sent to secretariat@eurecom.fr (indicate "Application to Communications Systems faculty position" in the subject line)

About EURECOM and the Communications Systems Department:

One of Europe's foremost ICT-area research laboratories and graduate schools, EURECOM helps to pave the way in the domains of communications systems, digital security, and data science. Founded by a consortium of European top universities and actively supported by leading ICT industrial players, EURECOM provides a top notch scientific and educational environment to its internationally-oriented faculty. Working and teaching languages is 100% English.

The Communication Systems Dept of EURECOM has a reputation for excellence in wireless communications and future networks in the context of beyond5G research. The Dept. promotes cross-fertilization between theoretical and systems-oriented research. It recently attracted two large ERC projects (flagship EU fundamental research projects), an ITN Marie Curie project and is currently hosting over 10 EU projects spanning theory and experimentation for future networks. It is the world's pioneer behind opensource experimental wireless platform OpenairInterface.

EURECOM is located on SophiaTech campus. Sophia Antipolis is Europe's leading high tech park with many companies providing job opportunities for graduates from around Europe and beyond. EURECOM is located 20min drive to the beach, 40 min to the Italian border, 1.5 hours from South Alps skiing resorts, and lies in the heart of world reknown French Riviera. Local climate ranks among the very best in Europe. Nice airport is the second french airport and is directly connected to all major European cities, as well as non european cities like New York, etc. More information about EURECOM can be found under www.eurecom.fr

EURECOM specifically encourages women to apply with a view towards increasing the proportion of female researchers.

EURECOM Campus SophiaTech – CS 50193, F-06904 Sophia Antipolis Cedex – www.eurecom.fr



- Requirements** Education Level / Degree: PhD minimum
Field / specialty: Electrical Engineering, Computer Science, Applied Mathematics
Technologies: Machine Learning, Wireless networks, Communications, Signal processing and estimation, internet of things
Languages / systems: N/A
Other skills / specialties:
Other important elements: Strong research background and track-record is required. 1 Year postdoc experience minimum required, preferably a couple years experience as postdoc and/or assistant professor.
- Application** The application must include (I, II and III):
- I-Curriculum Vitae
 - II-Motivation letter of two pages also presenting the perspectives of research and education
 - III-Names and addresses of three references
- Applications should be submitted by e-mail to secretariat@eurecom.fr with the reference: CS_DG_MDC_Data_Driven_032018**
- Postal address** CS 50193 - 06904 Sophia Antipolis, France
- Contact** secretariat@eurecom.fr
- Fax number** +33 4 93 00 82 00

EURECOM is a French graduate school and a research center in digital sciences based in the international science park of Sophia Antipolis, which brings together renowned universities such as Télécom ParisTech, Aalto University (Helsinki), Politecnico di Torino, Technische Universität München (TUM), Norwegian University of Science and Technology (NTNU), Chalmers University (Sweden) and Czech Technical University in Prague (CTU). The Principality of Monaco is a new institutional member. The Institut Mines-Télécom is EURECOM's founding member.

EURECOM benefits from a strong interaction with the industry through its specific administrative structure: Economic Interest Group (kind of consortium), which brings together international companies such as: Orange, BMW Group Research & Technology, Symantec, Monaco Telecom, SAP, IABG.

EURECOM deploys its expertise around three major fields: Digital Security, Data Science and Communication Systems. EURECOM is particularly active in research in its areas of excellence while also training a large number of doctoral candidates. Its contractual research is recognized across Europe and contributes largely to its budget.

Thanks to its strong ties set up with the industry, EURECOM was awarded the "Institut Carnot" label jointly with the Institut Telecom right from 2006. The Carnot Label was designed to develop and professionalize cooperative research. It encourages the realization of research projects in public research centers that work together with socioeconomic actors, especially companies.

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