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## Faculty Positions M/F (Ref: CS\_RK\_Faculty\_260422)

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**Research topics** Communication and Information Theory, AI/ML Techniques in Communication Systems, 6G Networking, 6G Autonomous and Distributed Systems, Quantum Computing for Communication Systems, 6G Unmanned Mobility

**Department** Communication Systems

**Publication date** 26/04/2022

**Start date** ASAP

**Duration** Full time permanent contract

**Description** The Communications Systems department at EURECOM, Sophia Antipolis, France, invites applications for 2 full time tenured faculty positions. Both junior and more experienced candidates are encouraged to apply. In order to complement our current activities, we seek candidates already pursuing research in the all areas of advanced communication systems and future networks including both electrical engineering and computer science profiles.

Candidates are expected to be publishing their research in top IEEE and/or ACM conferences and journals. Candidates will contribute to and benefit from the department's strong presence in collaborative projects (Horizon Europe, ANR) and its projects with key international industry R&D labs in the field. The selected candidates will also contribute to EURECOM's masters level teaching program. We welcome outstanding candidates with a proven research and teaching record in some of the following areas:

- Communication/Information theory
- AI/ML approaches to communication systems
- Next Generation Computing (e.g. Quantum) for Communication Systems
- Autonomous Networks and Systems
- Distributed Computing and Networking
- 3GPP Cellular Networking Protocols (RAN and Core)
- Intelligent Transport Systems (ITS)
- Transportation Modeling and Simulation (vehicles, drones),
- Vehicular Communications and Networks,
- Mobile Cyber-Physical Systems,
- Positioning and Navigation Systems,
- Robotic Systems (connected driverless cars, drones),
- THz radio and Optical Wireless Communications

**Requirements** Candidates must have a PhD in computer science, telecommunication or electrical engineering and have previously published cutting-edge research results at an international level. A past experience in working and building collaborative projects is a definite advantage.

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

All of our positions are open to people with disabilities. EURECOM has a disability referent to accompany, advise and provide support if necessary.

EURECOM, as part of its gender equality plan, encourages female applications for positions in IT/new technologies, traditionally occupied by men.

EURECOM carries out positive actions within the framework of its CSR policy.



## Application

Qualified applicants should send a cover letter with a resume including a publication list emphasizing the three most important publications, a statement of proposed research and teaching activities, and the names and addresses of three references by e-mail under reference: **CS\_RK\_Faculty\_260422** to [secretariat@eurecom.fr](mailto:secretariat@eurecom.fr). Screening will start immediately and continue until the positions are filled. For more information, please contact Prof. Raymond Knopp ([knopp@eurecom.fr](mailto:knopp@eurecom.fr)).

*EURECOM is a top-ranked research lab and graduate school dedicated to the ICT area, located in Europe's premier high-tech park Sophia-Antipolis, in the heart of one of the world's attractions, the French Riviera. EURECOM is a joint-venture by some of Europe's leading Technical Universities, with close ties to top industry labs. The Communication Systems Department is known for its contributions to theory & practice, with a large number of EU projects participation, including several ERC and ITN Marie Curie projects. Our dept. is also the creator and leader behind world's pioneering open-source 5G radio experimental platform OpenAirInterface (OAI).*

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