Post-Doctoral / Research Engineer Position (M/F)
(Reference: CS_RK_ING_5GEXP_012020)

Research topics	5G Experimental
Department	Communication Systems
Parution date	24/01/2020
Start date	ASAP
Duration	Fixed Term Contract [18 months maximum]
Description	In the context of several running and upcoming 5G European H2020 projects (5G-EVE, EMPOWER, 5GENESIS), EURECOM is engaged deploying an experimental 5G radio network on the SophiaTech campus using two frequency allocations for indoor and outdoor 4G/5G radio equipment granted by the French regulatory body (ARCEP). This deployment aims to showcase OpenAirInterface (OAI) 5G software tools both for the radio-access and core networking components. This will be a living lab used remotely by the partners of the various projects as well as the general OAI community and hopefully SMEs developing vertical applications for future 5G networks. In this context, we are actively looking for a site manager that will oversee the day-to-day functioning of the site as well as interact with international partners on the use of open-source tools for 5G radio-communication networks. The work will include network management and planning, software deployment and testing on the EURECOM data center as well as interaction with partners in France and worldwide on interconnection of the EURECOM test site with other sites. Other sites include, for example, European 5GPPP sites and US PAWR sites. Training activities may also be a role of the chosen candidate.
Requirements	Education Level / Degree: Masters Degree in Electrical or Computer Engineering. A PhD is also very highly considered, although not absolutely mandatory for the position. Field / specialty: Telecommunications Technologies: High-Speed Networking, Modern Software Engineering tools, Data Center Technologies, Basic radio-network knowledge and familiarity with 3GPP-based systems. Languages / systems: C/C++, Linux networking, community-based open-source software tools (e.g. git, Jenkins) Other skills / specialties: Project Management, 4G/5G radio-access and/or core network protocols (both is a definite plus). Other important elements: Fluency in written and spoken English
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_RK_ING_5GEXP_012020**

Postal address   CS 50193 - 06904 Sophia Antipolis, France

Contact   secretariat@eurecom.fr

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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 Paris, Aalto University (Helsinki), Politecnico di Torino, Technische Universität München (TUM), Norwegian University of Science and Technology (NTNU), Chalmers University (Sweden), Czech Technical University in Prague (CTU) and Technische Universität Wien (TU Wien). 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, 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.

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**