

IQUADRAT INFORMATICA S.L (IQU) is a technology company founded in 1997, with a focus on delivering System-Level evaluation tools for wireless networks. IQU R&D has been providing global solutions and services in the use of Internet and Telecommunications to companies and institutions that use information and communication technologies in commercial, marketing, management and business communication areas. IQU's R&D has a focused business plan specifically intended on delivering a "new generation of research tools for system level evaluation of wireless integrated communication systems". The R&D department is involved in many National and EU-funded research projects, and has extensive know-how in in Software-Defined Networking (SDN) and Network Function Virtualisation (NFV), and is also active in the fast-growing IoT paradigm. IQU is also active in many EU funded research projects, related to Wireless Communications, 5G, Smart Grid and IoT.

IQU's R&D department is looking for one Research Associate in the framework of 5G H2020 projects. The successful applicant should have a Master or PhD degree in Telecommunications, Electronic Engineering or Computer Science.

The selected candidate will:

- Work in challenging 5G and IoT R&D projects and represent the company in project meetings and research initiatives.
- Contribute in our state-of-the-art cloud computing and 5G experimental platforms and implement performance evaluation and experimentation protocols.
- Participate in research activities related to Network Slicing, 5G Network and Service management, Zero Touch Networks, Data-Driven Communications using AI/ML and experimental validation.
- Work in an open space office environment in Barcelona, which promotes creativity, innovation and collaboration with senior and early-stage researchers.

**Basic Qualifications:**

- Outstanding oral and writing English skills
- Hands on experience with networking or cloud computing tools like OSM, OpenStack, Kubernetes, Ansible, OpenDayLight, OpenAirInterface, etc.
- Comfortable with software development (e.g., in Java, C++, Python) and contributing to Open Source Software like Open Air Interface, Contiki, Linux networking, etc.
- Experience with Debian/Ubuntu Linux or similar Unix-based operating systems

**Preferred Qualifications:**

- Good knowledge of Networking Protocols and algorithms for Radio Resource Management.
- Background in AI/ML algorithms, frameworks and basic workflows
- Experience in preparing proposals for research funding, e.g. H2020
- Experience in participating international research funding projects

IQU seeks to increase the number of women in those areas where they are underrepresented and, encourages women to apply.

## **CONDITIONS**

A full-time fixed term contract, of initial duration of 12 months. The contract may be extended till for up to three years. The starting date is flexible from November-December 2020. The rank and salary will be determined according to qualifications and work experience and will be varying between 30 and 42k.

Applications should include:

- Full CV, including a list of publications and name (email address, etc.) of three referees.
- Cover letter stating the motivation and suitability of the candidate.

The application documents must be submitted in pdf format to the following email address **pm@iquadrat.com**.

**Deadline for the applications 30 of October 2020**