



**POLITÉCNICA**

"Ingeniamos el futuro"

CAMPUS  
DE EXCELENCIA  
INTERNACIONAL

## JOB OFFER

### "Contrato por obra o servicio con cargo a proyectos de investigación"

*Temporary contract for a specific project or service charged to Research projects*

Madrid, ..24.....Octubre.....19.. Day/Month/Year

1. Profile (select):



Research



I+D Management

2. Professional category:

3. Task to be develop:

(to be included in the contract)

The work is part of the recently awarded OpenQKD: Open European Quantum Key Distribution Network. This project is considered as the initial phase of a far-reaching program that will create a Quantum Communications Network all over Europe, the Quantum Communications Infrastructure. The candidate will work on the integration of experimental Quantum Key Distribution Systems into real production networks following novel networks paradigm such as Software-Defined Networking and Network Function Virtualization. He/she will do research in architectures, interfaces, protocols, network analysis and optimization and deployment of devices and services combining classical and quantum communications.

4. Place of work:

Center for Computational Simulation - ETSI Informática

5. Address:

Universidad Politécnica de Madrid, Campus Montegancedo S/N, Boadilla del Monte, C.P.28660, Madrid

6. Working time:

37,50 h/week (Full-time =37,5 h/week)

7. Annual gross salary(€):

€21.500,00

8. Expected duration (months)

36

9. Expected start date:

01-12-19

10. Required degree:

Degree in Engineering, Degree in Computer Science or equivalent

11. Required experience:

We are looking for motivated individuals with a degree in engineering, computer science (or equivalent if relevant qualifications are presented) willing to do research in quantum communications networks. We expect the candidate to be familiar with optical communications. The candidate should be able to communicate in English. We will value the candidate's ability to work as part of a team, on his/her own initiative, and his/her communications skills.

12. Other

(Research group, research line, special conditions, etc., deemed necessary to clarify)

The candidate will get a profound knowledge in the integration and deployment of quantum key distribution networks and will work in a team that mixes university as well as industry led research. The work in the Madrid testbed, one of the 4 large testbeds defined in OpenQKD, will be in cooperation with Telefónica, the major telecommunication provider in Spain and RedIMadrid, the network provider for all research institutions in the Madrid region. The position is for three years, extensible up to four if the candidate is willing to pursue a PhD.

Applicants must sent a curriculum vitae to:

(e-mail)

Deadline for curriculum vitae admission: Day/Month/Year 15 November 19 at  a.m./p.m. hours

NOTE: The job offer must remain published in the noticeboard of the center and/or web, during at least 10 calendar days

Responsible Researcher:

Signed: Vicente Martín.....

[Name and surname]

Stamp of the institution

JOB OFFER AND RESOLUTION PUBLISHED in:

Date of publication: Day/Month/Year  /  /

Date of resolution: Day/Month/Year  /  /

Noticeboard of the institution:

Web (Please indicate the complete web address and attach a screen copy:

There are 5 working days to appeal the resolution from the date of publication of the resolution.