BORRAR FORMULARIO IMPRIMIR FORMULARIO

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, 21 Diciembre 21 *Day/Month/Year*

1. Profile (select)**:** (●) Research ( ) I+D Management

2. Professional category: POSTGRADUADO NO DOCTOR

3. Task to be develop:
(to be included in the contract)

The work will be part of the research project on quantum communications recently awarded by the Comunidad de Madrid and Miniserio de Ciencia e Innovación and also the associated projects. The candidate will work in the integration on Quantum Key Distribution systems and encryptors into production facilities following novel networks paradigm such as Software-Defined Networking and Network Function Virtualization. Specifically he/she will work as a liaison person between the end users of the network and the research center. This task involves taking requirements for a correct integration of use cases on quantum networks and the subsequent implementation of them. The candidates is also expected to be in charge of negotiations and communications with the end users of the network.

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) 30 **9. Expected start date:** 24-01-21

10. Required degree: Graduate Degree in Computer Science or equivalent

11. Required experience:

We are looking for motivated individuals willing to do research in the integration of quantum communications in telecommunications networks. We expect good programming skills, preferably in Python and C/C++. Previous expertise on Quantum Communications, in particular with QKD devices (CV and DV) will be considered. He/she will be the contact person for networks users. The candidate must know how to extract technical requirements for the different use cases proposed by the end users of the network. Also he/she will be responsible of the communications between the final users and the research center. We will value the candidate's ability to work as part of a team, on his/her own initiative, and his/her comunications 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 incorporates academic research as well as industry I+D developments. A good example of this interaction is the past work in the Madrid testbed during OpenQKD project (openqkd.eu), done in cooperation with Telefónica, the major telecommunication provider in Spain and RedIMadrid, the network provider for all research institutions in the Madrid region.

Applicants must sent a curriculum vitae to: gestion.ccs@upm.es (e-mail)

Deathline for curriculum vitae admission: *Day/Month/Year* 7 January 22 at 23:59 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: MARTIN AYUSO VICENTE - DNI 03082643E

Digitally signed by MARTIN AYUSO VICENTE - DNI 03082643E
Date: 2021.12.23 17:23:40 +01'00'

Stamp of the institution

Signed: Vicente Martín

[Name and surname]

JOB OFFER AND RESOLUTION PUBLISHED in:

Date of publication: Day/Month/Year 22 / 12 / 2021

Date of resolution: Day/Month/Year 12 / 01 / 2022

Noticeboard of the institution: Center for Computational Simulation - ETSI Informática

Web (Please indicate the complete web address and attach a screen copy: www.ccs.upm.es /

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