

CALL 29-2021-1 Researcher positions in the Communication Networks Division – Mobile Networks Department

Who are we looking for?

The Communication Networks Division of the CTTC is offering **two Research and Innovation positions** in its Mobile Networks Department. For more information about the Department, please refer to <http://networks.cttc.es/mobile-networks/>.

The eligible candidates must have defended their Master thesis in Telecommunications, Electrical Engineering, Computer Science or related fields, with a good academic record and, most importantly, strong motivation for research.

The selected candidates will become members of an internationally recognized research Department with an important focus on cutting-edge experimental activities.

Who are we?

The Centre Tecnològic de Telecomunicacions de Catalunya (CTTC) is a self-standing, **public sector** non-profit research institution devoted to fundamental and applied Research activities, mainly focused on technologies related to the physical, data-link and network layers of communication systems, and to the Geomatics.

In November 2015, the CTTC obtained the '[HR Excellence in Research](#)' Award from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#) (Charter and Code).

We have **great benefits for employees**: work-life balance measures (33 working days of vacation, teleworking plan, flexible working hours) ; paid sick, maternity and paternity leaves; Tax-free benefits (ticket restaurant, kindergarten, health insurance and transport), Continuous training

The CTTC is in the [Mediterranean Park of Technology](#) in Castelldefels, a scientific parc that hosts the Polytechnic University of Catalonia, research institutions, and innovative companies and startups. The PMT-UPC is located 10 minutes' walk from the beach and to Castelldefels city center, also close to kindergartens, public and top international schools. It can be reached by car, train (RENFE) and several bus lines.

We have 2 buildings in the campus, with state-of-the-art facilities, comfortable working spaces, meeting and multi-purpose rooms and social spaces.

The institute has a **multicultural environment** with more than 130 members (scientific, technical, and administrative staff) from all over the World.

Qualifications and Experience

The successful applicant must have a MSc degree in Telecommunications, Electronic Engineering, Computer Science or a closely related field.

We are looking for candidates with a strong motivation and desire to learn and explore new technologies revolving around cybersecurity.

Interested candidates should have good analysis, problem solving, proactiveness, organizational and multi-tasking skills. Transversal skills, such as entrepreneurial attitude and good communication, among others, will also be of valued.

The profile is generic in the sense that the candidate will have the opportunity to learn the concepts and technologies after joining CTTC and what is requested to candidates is a proactive attitude and passion for exploring new ideas and solving practical security-related problems. In this sense, it is mandatory:

- To have an MSc degree in Telecommunications, Electronic Engineering, Computer Science or a closely related field
- To have a good academic record
- To demonstrate strong oral and written English communication skills.

Additionally, the skills below are not mandatory but are highly valued. Therefore, though they are less relevant than the above criteria, they will also be considered when preparing the rank of candidates:

- Main topic: Cybersecurity (e.g., IDS, privacy, authentication, identification)
- Telecommunication systems
- Network/Cloud virtualization
- Network optimization
- Artificial intelligence/Machine learning
- Data management
- Strong programming skills
- Experience in R&D projects carried out in the context of research institutions or industry
- Research publications

What we offer:

The position is temporary, initially for one year, renewed yearly depending on the attitude and performance of the candidate. The rank and salary will be determined according to qualifications and work experience. Depending on his/her experience, the candidate will be ranked as R1 (research trainee) or R2 (researcher) according to the CTTC professional categories available at: <http://www.cttc.es/wp-content/uploads/2015/04/CTTC-Professional-categories.pdf>. Salary is offered according to the institutional salary scales.

- Annual gross salary according to the profile of the candidate
- Full-time contract: 7,5 h/day. Flexibility
- Starting date: February 2022

How to apply

All applications shall include:

- Full curriculum vitae
- Academic record
- List of publications
- Cover letter stating the motivation and suitability of the candidate.
- If possible, they should also provide the names and contact details (email address, etc.) of at least two referees.

The application documents must be submitted in pdf format through this online application.

The deadline for applications is January 20th, 2022.

ONLY APPLICATIONS VIA WEB <http://www.cttc.es/career/call-29-2021-1/> WILL BE TAKE IN CONSIDERATION.

CTTC offers and promotes a diverse and inclusive environment and welcome applicants regardless of age, disability, gender, nationality, race, religion, or sexual orientation.

CTTC seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. CTTC is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.