

CALL 25-2022-1 Researcher in the Sustainable Artificial Intelligence (SAI) research unit

Who are we looking for ?

The Sustainable Artificial Intelligence (SAI) research unit is looking for a researcher with experience in Machine Learning for sustainable computing and networking. The researcher will carry out research activities revolving around these topics in the research projects of the research unit.

More information on the research unit: <https://www.cttc.cat/sustainable-artificial-intelligence-sai/> and <https://supercom.cttc.es/>

What do we offer? :

- **We offer a permanent position.**
- **We have great benefits for employees:** conciliation measures (33 business days of vacation, teleworking plan, flexible hours); We complement leaves for temporary disability, tax-free benefits (restaurant ticket, childcare center, commute and medical insurance), continuous training.
- Annual gross salary according to the profile of the candidate
- Full-time contract: 7,5 h/day. Flexibility
- CTTC category: R2B (More information: <https://www.cttc.cat/wp-content/uploads/2022/02/CTTC-Professional-categories.pdf>)
- Start date: September 2022?

Qualifications and Experience

We are looking for a highly motivated, enthusiastic, energetic person, aiming at significantly improving his or her career perspectives in both public and private sectors. The researcher will be joining the research activities of the SAI RU and working on the implementation of the ongoing projects and on the preparation of future grants, with particular attention to the design and development of experimental platforms and proof-of-concepts. The successful applicant should have the competences of R2B category, and in particular:

- **Required qualification/skills/experience:**
 - PhD in Computer Science, Data Science, Telecommunications or closely related fields.
 - Knowledge and experience in Machine Learning (ML) models applied to different tasks such as prediction, classification, anomaly detection and automatic control.
 - Knowledge on data mining and software libraries (e.g., python) for ML implementations in experimental platforms and of containerized solutions.
 - Good publication record in scientific peer-reviewed journals and conferences.
 - Having participated in public or privately funded research projects.
 - Outstanding English level.
- **Other skills that are valuable, but not mandatory are:**
 - Knowledge on Internet of Things, WLANs and mobile networking.

- Knowledge of distributed and sustainable computing.
- Knowledge of object-oriented programming.
- Contribution to open-source projects/libraries.

How to apply?

All applications must include:

1. A complete CV, including a list of publications and the contact details of two potential referees.
2. PhD degree.
3. Cover letter stating the motivation and suitability of the candidate.

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

ONLY APPLICATIONS VIA WEB <https://www.cttc.cat/talent/careers/job-openings/> WILL BE TAKEN INTO CONSIDERATION.

CVs and any other information gathered during this process will be handled confidentially

Convocatòria corresponent a l'oferta d'ocupació pública per a l'exercici 2022.

En compliment de la Llei General de Drets de les Persones amb Discapacitat i de la seva Inclusió social s'acorda la reserva de la plaça en un primer torn per ser coberta entre persones amb un grau de discapacitat igual o superior al 30%

Who are we?

- The Center Tecnològic de Telecomunicacions de Catalunya (CTTC) is a non-profit **public sector** research institution dedicated to fundamental and applied research activities, focused mainly on technologies related to the physical, data link and network layers of communication systems and Geomatics.
- CTTC received the "**HR Excellence in Research**" award in 2015 from the European Commission. This is a recognition of the Institute's commitment to develop a Human Resources Strategy for Researchers ([HRS4R](#)), 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](#)).
- The CTTC is located in the beautiful [Mediterranean Technological Park of Castelldefels](#), a science park that houses the Polytechnic University of Catalonia, research institutions, innovative companies and startups. The PMT-UPC is located 10 minutes' walk from the beach and the city center of Castelldefels, also close to childcare centers, public schools and the best international schools. It can be reached by car, train (RENFE) and various bus lines.
- We have 2 buildings on campus, with state-of-the-art facilities, comfortable work spaces, meeting rooms, and multipurpose spaces, as well as social spaces.
- The institute has a **multicultural environment** with more than 130 members (scientific, technical and administrative staff) from all over the world.

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

The CTTC seeks to increase the presence of women in those areas where they are underrepresented and therefore explicitly encourages them to stand as candidates.

It is also committed to increasing the number of people with disabilities in its workforce and therefore encourages their applications.