The **Centre Tecnològic de Telecomunicacions de Catalunya** is an advanced research center located in Barcelona (Spain) which is devoted to fundamental and applied R&D related to the physical and lower layers of communications systems. At present time, the CTTC is interested in filling the following *Research Engineer* positions:

RESEARCH ENGINEER POSITIONS:

Digital Baseband Engineer (Ref. 5/2009-1, 1 position): Support, analysis and implementation of wireless and mobile communications technologies. Experience in developing physical layer embedded software, digital baseband signal processing algorithms, and interfacing to RF hardware. Strong working knowledge of DSP/FPGA design (C/VHDL) and simulation tools (Matlab/Simulink). Familiarity with wireless standards and protocols is a plus (e.g., WiMAX, LTE).

System Engineer (Ref. 5/2009-2, 1 position): Integration and configuration of wireless systems solutions, from requirements analysis and technical specification to system prototyping. Strong knowledge of simulation/testing of telecommunication systems. Solid programming skills (C/C++) is a plus, as it is basic knowledge of physical layer implementation and interfacing to RF hardware.

Communications and Signal Processing Modeling Engineer (Ref. 5/2009-3, 3 positions): Rapid prototyping and concept demonstration of wireless communication technologies. Experience in model based design and software implementation of radio interfaces at the PHY/MAC level for a variety of radio signal waveforms, such as, e.g., WiMAX, LTE and Wireless Sensor Networks. Demonstrated proficiency in wireless systems programming (C/C++) and scripting (Python), and working knowledge of object-oriented design methodologies. Experience in embedded development is a plus.

QUALIFICATIONS AND EXPERIENCE

Applicants must hold an **MSc/Engineering degree** in telecommunications, electronics, computer science or related fields, capacity of carrying out innovative research independently. Experience in R&D or industrial projects carried out in the context of research institutions and centres is a plus.

CONDITIONS

The positions are permanent. Profiles with different levels of work experience are sought. The rank and gross salary in the range 22,000-25,000€/year (graduate engineers) and 27,000-30,000€/year (skilled engineers) will be determined according to qualifications and work experience.

Please, submit applications electronically including a resume, academic ratings, list of publications (if applicable) and, preferably, the names and contact information of three referees, to:

http://www.cttc.es/en/open/1/jobs/1.jsp

The applications will be evaluated in batches, every 3-4 months until the positions will be filled.