

# CTTC PhD FELLOWSHIP PROGRAM 2008

## ← WHO WE ARE

The **Centre Tecnològic de Telecomunicacions de Catalunya (CTTC)** is an **advanced research center** on Information technologies and Communications based in Castelldefels (Barcelona). Current research areas include **Wireless Communications, Access Technologies, Communication Subsystems, Optical Networking and IP Technologies** (see <http://www.cttc.es> for further information).

## ← WE ARE OFFERING...

**Four-year PhD fellowships** to carry out a PhD thesis within a growing technological center, in a **young and dynamic atmosphere** with possibility to participate in **international R&D projects**. The initial salary is 13.680 €/year and, additionally, the fellowship also covers the fees of the PhD courses to be taken by the candidate. From the second year on and upon completion of the PhD courses, the fellowships turn into regular work contracts with a salary of 15.600 € /year (gross) during the second year and of 17.076 € /year (gross) during the third and fourth years. Every year the gross salary is potentially extensible by a lump sum bonus of up to 1200 €/year.

## ← WE ARE LOOKING FOR...

People with a MS degree in Electrical or Electronic Engineering, Telecommunications, Computer Science or related fields, with a **good academic record, strong motivation for research** and interest or knowledge in **topics** such as (but not limited to): packet scheduling and MAC/RRM techniques for wireless communications, cognitive radio, cognitive networks, multi-carrier systems, MIMO communications, channel and network coding, cooperative communications, ultra-wideband, wireless sensor networks, design of microwave devices (filters, oscillators, antennas), positioning systems, signal acquisition/synchronization, management and control in ASON/DWDM optical networks, routing, traffic engineering, QoS and mobility, self-organisation and measurements in cellular and wireless mesh networks.

Applications must be received **on or before July 13, 2008**, including the following documents: (1) **curriculum vitae**, indicating research preferences as well as the title of the Master Thesis, and (2) scanned copy of the **complete academic record** (mandatory), using the web form at: <http://www.cttc.es/PhDCandidates>