

## CTTC PhD FELLOWSHIP PROGRAM 2009

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).

The CTTC offers four-year PhD fellowships to carry out a PhD thesis within a growing technological center.

### 1. OBJECTIVE

The objective of this call is to assign PhD fellowships to research in the areas of Radio Communications, Communications Subsystems, Access Technologies, Optical Networking and IP Technologies. The successful candidates will join the CTTC and will be engaged in a PhD program to carry out their PhD thesis.

The PhD program is characterized by two phases:

The first one is a training phase, whose main objective is that postgraduate students, engaged in a PhD or a Master program, gain the necessary knowledge to be able to successfully carry out research activities during the second phase. This first phase is funded through a grant and has a duration of 1 year.

During the second phase the postgraduate student is focused on working towards his/her PhD thesis. This phase has a duration of three years and will be funded through a regular contract with the CTTC, subject to yearly renewal.

### 2. CANDIDATES

The eligible candidates for these fellowships are students with a 5 year degree or a Master degree in Telecommunications, Electrical, Electric Engineering, Computer Science or related fields, with a good academic record and strong motivation for research.

The average of all the marks of the modules passed during undergraduate and postgraduate studies has to be no less than 1.5 (in a scale from 1 to 4). This normalized grade will be computed as it is indicated in the Annex.

For more information about active research lines, the interested candidates can go to: <http://www.cttc.es> or can directly contact CTTC's researchers.

### 3. DURATION

The PhD Fellowships have a maximum duration of 48 months. Each fellowship is renewed on a yearly basis, up to a maximum of 3 renewals, provided the thesis supervisor presents favorable reports. The successful candidates will join the CTTC during the first week of September 2009.

### 4. SALARY

The initial salary is 15.480 €/year. From the second year on and upon completion of the PhD thesis, the fellowships turn into regular work contracts with a salary of 18.000 €/year (gross) during the second year and of 19.200 €/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 €, based on the obtained results. The gross salary will be paid through 12 monthly instalments.

The Fellowships and contracts also include the registration fee to the PhD program, the 60 ECTS credits of the official master (in case it is required by the PhD program) and the credits for the tutorship phase.

### 5. APPLICATION SUBMISSION

The CTTC will accept submission of applications for the PhD Fellowship program between **15 May and 14 June, 2009**. Each candidate is required to carefully fill in the submission form available at: <http://www.cttc.es/en/open/1/jobs/2-3.jsp>. On 22 June, the CTTC will publish in the web page <http://www.cttc.es>, the list of candidates admitted to the selection process, together with a list of the excluded candidates and the reason for their exclusion. The excluded candidates have to provide the missing documentation within the next 5 working days, from the day of publication of the provisional list. If this documentation will not be presented according to the required scheduling, the corresponding application will be withdrawn.

The necessary documentation to be admitted to the selection process has to be submitted in electronic format through the application available in the CTTC's web page. The list of the required documents is:

- (1) Curriculum vitae, indicating research preferences as well as the title of the bachelor and Master Thesis.
- (2) Scanned copy of the complete academic record (of both undergraduate and postgraduate studies, if it is the case).
- (3) Scanned copy of the official academic degrees.

## 6. PUBLICATION OF SELECTION PROCESS RESULTS

The results of the selection process will be published on 14 July 2009 in CTTC's web page. The selected candidates will be notified by e-mail, at the contact specified in the application form.

## 7. FORMAL ACCEPTANCE OF THE FELLOWSHIP

The successful candidates have to formally communicate the acceptance of the fellowship, within 5 working days from the day of receipt of the notification. The acceptance of the fellowship is subject to compliance with all the general conditions included in this call. If the successful candidate does not send the acceptance document according to the required scheduling, the corresponding application will be withdrawn.

## 8. RIGHTS AND OBLIGATIONS FOR PhD STUDENTS

The rights for the PhD students admitted to CTTC PhD program are the following:

- a) To receive the salary indicated in the point 4 of this call.
- b) To be provided with proper technical and scientific supervision in order to carry out the research activity under normal conditions.
- c) To access the services offered by CTTC and to participate in CTTC's activities according to the internal regulation.
- d) To apply to complementary grants for short internships outside Catalunya, in order to complete the training activities related with the PhD thesis. The internship has to be previously approved by the thesis supervisor.

The obligations for the PhD students are the following:

- a) To join the CTTC during the period specified in point 5 of this call; to carry out the activities related with the PhD program; to meet the objectives of this program and those indicated by the PhD thesis supervisor.
- b) To comply with the internal regulation of the CTTC.
- c) To include CTTC as the PhD student's affiliation in the scientific production derived from the developed research activities.
- d) In case of fellowship withdrawal, to inform the Administration unit by means of a letter addressed to the Direction of Institutional Relations, at least 15 days before the actual withdrawal.
- e) Those PhD students who are not EU citizens, have to start the bureaucratic procedure to obtain the necessary authorization to work in EU, in order for the CTTC to execute their contract during the second phase of the fellowship program.
- f) The PhD thesis supervisor has to be linked to CTTC under any of the form described in its statute, and in any case, the PhD thesis has to be developed at CTTC.

If the student fails to comply with these obligations, the CTTC reserves its rights to cancel the fellowship.

## 9. OBLIGATIONS OF CTTC

The obligations of the CTTC are the following:

- a) To execute the contract corresponding to the second phase of the fellowship program.
- b) To provide the PhD students with proper technical and scientific supervision.
- c) To watch over the adequate development of the PhD Thesis.

## 10. INCOMPATIBLE COMMITMENTS

During the whole duration of the PhD fellowship, the awarded candidates are not allowed to have another labour contract with a third party. The CTTC reserves its right to cancel any fellowship, if the latter condition is not met.

By granting these fellowships, the CTTC does not make any commitment to hire any of the awarded candidates after his/her graduation.

Barcelona, 11 of May 2009  
MIGUEL ÁNGEL LAGUNAS  
Director of CTTC

#### ANNEX

**a. The average grade of the academic record of undergraduate and postgraduate studies awarded by Spanish institutions**

will be computed based on the criteria described in the Real Decreto 1267/1994, then partially modified by the Real Decreto 1044/2003. The number of credits considered for computation purposes will be that indicated in the academic record.

**b. The average grade of the academic record of undergraduate and master degrees awarded by non Spanish institutions**

will be computed based on the grading scale equivalence aproved by AGAUR and Universitites representatives, which can be found in section IV of the 2009 FI-DGR PhD Fellowship call.