

Double Doctorate Cooperation Agreement

between

**Kungliga Tekniska högskolan
(the Royal Institute of Technology)
School of Technology and Health
Stockholm, Sweden**

and

**the E.U.I.T. de Telecomunicación
of the
Universidad Politécnica de Madrid**

regarding

DOUBLE DOCTORAL (PhD) PROGRAMME

ARTICLE I - INTRODUCTION

The Universidad Politécnica de Madrid (hereafter UPM) and Kungliga Tekniska högskolan (hereafter KTH) have recognized their mutual interests in research and in the development of doctoral training and wish to specify the terms under which students from both universities may be admitted to a double PhD programme and granted, upon successful fulfilment of all requirements for graduation at each university, a double doctorate, that is, the official PhD degree certificates of comparable academic levels from both universities.

This Cooperation Agreement identifies and defines the terms of implementing the double doctoral programme, the rights and responsibilities of both parties and the requirements of UPM and KTH regarding the awarding of double doctorates.

The doctoral programmes included in this agreement are:

- Technology and Health, from the KTH side
- Doctorate in Systems and Services Engineering for the Information Society, from the UPM side.

The number of exchanged students between both universities will be balanced when possible. Unbalanced exchange in the number of exchanged students shall be allowed in the case that both institutions agree and there were vacancy positions and available budget. The total number of exchanged students will be established and agreed every academic course by the coordinators of the doctorate programmes and international affairs responsible from both institutions.

Both universities should designate a double doctorate cooperation agreement Coordinator.

The Coordinators have the responsibility of the implementation of the agreement and supervise the accomplishment of the terms agreed in this document.

The KTH designates to Prof. Eva Wigaeus Tornqvist as supervisor of the Technology and Health programme. The UPM designates to Prof. César Sanz Álvaro as supervisor of the Doctorate in Systems and Services Engineering for the Information Society programme.

ARTICLE II – APPLICATIONS, ADMISSION AND REQUIREMENTS

Applications should be presented at the exchange agreement coordinator secretariat of the local university in the period established for each available position.

The local university will select the candidates to participate in the programme.

Applicants must meet the admission requirements specified by the doctorate programmes in both institutions. Annex I summarizes the regulations applicable to doctorate programmes in both universities.

Applicants should be approved by the hosting university.

Students will be admitted to both doctorate programmes, according to each university's prevailing admission criteria and the corresponding doctorate programme regulations.

The student must demonstrate an appropriate English language level to be eligible to participate in the double diploma programme.

Students will be admitted on a full-time basis to the double programme.

A set of documents detailing course requirements at both universities and requirements related to the research to be conducted, the final written thesis/dissertation and its oral defence, the assessment/grading of the thesis, and the financial plan for the study period will be negotiated and concluded on faculty-level for each individual student taking part in the double doctoral programme. These documents (hereafter Double Doctorate Annexes) will be ratified by the student's main supervisors at UPM and KTH, and they will form annexes to this Cooperation Agreement.

Concerning the students' status at the Universidad Politécnica de Madrid, those students enjoying a grant or having signed a contract in the framework of a research support program funding the student's research activity will be considered research personnel in formation ("personal investigador en formación") as regulated by the Spanish "Real Decreto 63/2006".

ARTICLE III – SUPERVISION OF RESEARCH

For each student, there must be one supervisor at each university with allocated equal responsibilities. The responsibilities and roles of the supervisors are to be specified in the individual Double Doctorate Annexes.

The supervisors should have a PhD degree or equivalent with at least two years of post-doctoral research experience or hold a position where one is qualified to supervise doctoral studies according to the university regulations. At KTH a PhD student must have at least one supervisor who holds the position of an assistant professor ("Docent") and at UPM one supervisor holding at least the position of assistant professor (or equivalent), the PhD diploma and enrolled in the doctorate programme.

ARTICLE IV - PERIOD OF CANDIDATURE

A full time student is expected to complete the requirements of the PhD programme in four (4) years or that period imposed by governmental and universities regulations. If the student requires more time he/she must seek approval from both universities. The aim of both parties is that the student will spend approximately equal amounts of time at each university. However, if this is not possible, students of the double doctoral programme must spend at least one academic year at the partner university. Details regulating this will be specified in the Double Doctorate Annex.

ARTICLE V - COURSEWORK REQUIREMENTS

The student must satisfy the course work requirements of both UPM and KTH, which may be complementary or additional to those of the other university. Details regulating this, including a scheduled study plan, will be specified in the Double Doctorate Annex.

The supervision of the student's doctoral thesis will be performed accomplishing the realization and defence regulations applicable at both universities. In concrete, the reference regulation should be those applicable in the country where the dissertation and defence take place. The doctoral thesis can be presented in any of the universities.

ARTICLE VI – TUITION AND FINANCIAL MATTERS

(a) Fees

Both universities agree to waive tuition fees for students under this double programme, except for those obligatory fees that each university might establish.

Costs incurred at the universities related to the conducting of research will be covered by project grants as agreed by the supervisors and regulated in the Double Doctorate Annex.

At the final of every academic period and at the final of the students' coursework, the hosting university will deliver to the student's origin university an official transcription of the student's advances report.

(b) Research scholarship, travelling and subsistence expenses

To be considered for admission to the double doctoral programme, applicants must have secured financing through grants or other funding sources prior to registration.

ARTICLE VII - CONTINUATION, WITHDRAWAL, TERMINATION OF CANDIDATURE

Students of the double doctoral programme are required to follow the rules and regulations of both UPM and KTH for doctoral candidates, including the conditions for continuation, withdrawal and termination of doctoral studies. If a student wishes to leave the double doctoral programme he/she will be free to pursue a regular degree at either university, provided that existing regulations permit it.

ARTICLE VIII – EXAMINATION: THESIS/DISSERTATION

An examination committee, as well as an external examiner (opponent), are responsible for the examination of both the written thesis/dissertation and the oral defence. Procedures are outlined below.

a. Examination committee

The regular appointing bodies of the two universities will constitute a joint examination committee. The committee should consist of 5 members, with at least one member from the partner university where the oral defence of the dissertation will not take place. One committee member will be external, representing a university other than KTH or UPM. One of the members of the committee will be named the chairperson and will be the responsible to conduct all the process.

b. Written thesis/dissertation

The student's doctoral thesis will be written in English and consist of a document describing the research activity and achievements obtained by the student which will be written according to the standard thesis format at the two universities. The supervisors will certify - in writing or otherwise, as prescribed by the regulations at the two universities – that the thesis/dissertation is ready for examination. Following this, a preliminary evaluation of the thesis/dissertation is to be made by a committee elected following the regulation at each university and will follow any of the established procedures to qualify the thesis/dissertation. If the level is found to be acceptable, the student will be given permission to complete his/her thesis and undergo the oral defence.

c. Oral defence of the thesis/dissertation

The student undergoes one oral defence only, either at UPM or at KTH, with participation of the examination committee members.

The oral defence is to be conducted in English and it will be a public (i.e. open to a general audience), 2-3 hour session which is chaired by the chairperson of the examination committee.

d. Examination committee meeting

The student's performance during the oral defence, together with the written thesis and research results, will form the basis for the examination committee's decision, which shall be taken immediately after the oral defence by vote in a closed meeting by way of simple majority. The supervisors should leave the room before the voting.

ARTICLE IX - GRADUATION AND AWARD OF DEGREE

a. Graduation

The student must satisfy:

- The graduation requirements for coursework at both universities (through qualifying examinations);
- The requirements for the written thesis/dissertation;
- The requirements for the oral examination.

b. Double Doctorate

Both universities will issue their PhD degree certificates when all requirements from both universities are fulfilled. The doctoral degree certificates of both universities shall indicate that the degree has been awarded within a double PhD programme: the degree certificate from UPM shall list the postgraduate courses transferred from the partner university, and the degree certificate from KTH shall list the postgraduate courses transferred from the partner university. In addition, the university where the examination has been agreed to take place will issue an extra joint document. This document will include:

- The two university logos side by side;
- Statements attributed to both awarding bodies of the universities;
- Title of the degree in the Spanish, Swedish and English languages;
- Student's name and date of birth;
- Explanatory note specifying the type of cooperation under which the student has been issued with the official degrees;
- Date of award;
- Signatures of the two authorities;
- University seals to be embossed.

ARTICLE X - USE OF INTELLECTUAL PROPERTY

Issues related to rights in Intellectual Property developed during the course of research, including ownership, registration, exploitation rights and revenue sharing, will be included in the individual agreement for each student.

Any publication of the research shall only be possible with the prior written consent of both parties and the PhD candidate, with the understanding that such consent should not be unreasonably withheld. As far as is feasible according to national legislation regulating public access to official documents, the contractors undertake to preserve the confidentiality of any document, information or other material directly related to the outcome of the framework agreement and/or specific agreements that is duly classed as confidential, if disclosure could cause prejudice to the other contractor.

Publications will acknowledge that the research was carried out during the course of the Double Doctoral Degree Programme between UPM and KTH.

ARTICLE XI - SPECIAL SITUATIONS

The Boards of Graduate Studies of the two universities shall resolve any disputes arising from interpretation of this Cooperation Agreement jointly. In case of non-resolution, the first step is mediation by the Rector of UPM and the President of KTH and the second step is to refer the dispute to arbitration by an arbitrator jointly appointed by the Parties. If failing resolution, the dispute shall be finally resolved by arbitration in the English language in accordance with the arbitration rules of arbitration of the International Chamber of Commerce.

ARTICLE XII – GOVERNING LAW

This Cooperation Agreement shall be governed by and construed in accordance with the laws of the Kingdom of Sweden and Spain.

ARTICLE XII - EFFECTIVE DATE AND TERMINATION

This Cooperation Agreement will become effective upon signing and shall remain in effect for a period of five years from the date of the last signature. Both partner universities may at any time review this Cooperation Agreement and the actions taken under it. Modifications to this Cooperation Agreement may be made by mutual agreement and confirmed through an exchange of letters. The Cooperation Agreement may be extended by mutual consent by the two parties.

Both parties agree that in the event of any party wishing to terminate the Cooperation Agreement, the student enrolled under the double programme will be allowed to proceed and graduate under the programme.


The termination notice period is one year.

For Kungliga Tekniska högskolan

President of
Kungliga Tekniska högskolan

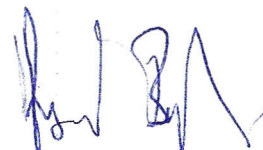
Name **Peter Gudmundson**

Date *2010-06-17*

Signature


Dean
School of Technology and Health
Kungliga Tekniska högskolan

Name: Lars-Åke Brodin

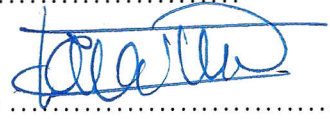
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For Universidad Politécnica de Madrid

Rector of the
Universidad Politécnica de Madrid

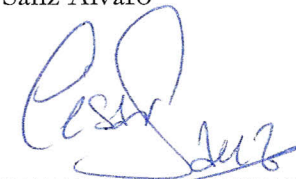
Name **Javier Uceda Antolín**

Date *2010-09-21*

Signature


Dean
E.U.I.T. Telecomunicación
Universidad Politécnica de Madrid

Name: César Sanz Álvaro

Signature


Annex I:

Regulations

Applicable regulations at KTH:

1. Higher Education Ordinance (SFS 1993:100)
2. KTH Internal guidelines (13/2006)

Applicable regulations at UPM:

1. General (governmental) regulations:
 - a. Ley Orgánica 6/2001, de 21 de diciembre, de Universidades.
 - b. Ley Orgánica 4/2007, de 12 de abril, por la que se modifica la Ley Orgánica 6/2001, de 21 de diciembre, de Universidades.
 - c. Orden ECI/2514/2007, de 13 de agosto, sobre expedición de títulos universitarios de Máster y Doctor.
 - d. Real Decreto 1393/2007, por el que se establece la ordenación de las enseñanzas universitarias oficiales.
 - e. Real Decreto 63/2006, de 27 de enero, por el que se aprueba el Estatuto del personal investigador en formación.
2. UPM regulations:
 - a. Decreto de la Comunidad Autónoma de Madrid 215/2003, de 16 de octubre, por el cual se aprueban los Estatutos de la Universidad Politécnica de Madrid.
 - b. Reglamento de Posgrado Oficial de la UPM (desarrollo del RD 56/2005). (UPM postgraduate studies regulation).
 - c. Documento sobre “Cotutela de tesis doctorales, títulos múltiples de doctor y títulos conjuntos” de la Universidad Politécnica de Madrid. (UPM Document concerning “Doctoral Thesis co-supervision, doctoral multiple diplomas and joint programmes”).
 - d. Modelo de programa de doctorado UPM (requisitos que deberán cumplir los programas de doctorado que oferte la UPM). (UPM doctorate programme model).
 - e. Requisitos para los planes de estudio de los másteres universitarios de investigación e itinerarios vinculados a programas de doctorado incluidos en otro tipo de máster universitario. (Study plan requisites applicable to research masters and itineraries associated to doctoral programmes).
 - f. Reglamento de elaboración y evaluación de la tesis doctoral. (Regulation for the elaboration, dissertation and evaluation of the doctoral thesis).
 - g. Normativa de elaboración y defensa de la tesis doctoral dentro del programa de doctorado: «Ingeniería de Sistemas y Servicios para la Sociedad de la Información». (Regulation for the elaboration, dissertation and evaluation of the doctoral thesis in the “Systems and Services Engineering for the Information Society” doctoral programme).