



**POLITÉCNICA**

Rep. N. 13 Data 17/05/2012  
Prot. N. 14848



Agreement between

**Universidad Politécnica de Madrid**

**Escuela Universitaria de Ingeniería Técnica de Telecomunicación**

**Doctorate in Ingeniería de Sistemas y Servicios**

**para la Sociedad de la Información**

and

**Università Roma Tre**

**Dipartimento di Ingegneria Elettronica**

**Dottorato in Elettronica: dalle nanostrutture ai sistemi.**

#### **Preamble**

The Technical University of Madrid (hereinafter referred to as UPM) and the University Roma Tre (hereinafter referred to as URT), collectively referred to as “Institutions” or “Parties”,

RECOGNIZING their mutual interest in material science, electronics, optoelectronics and engineering research on microsystems, development and technology transfer on an educational basis, and also

RECOGNIZING their mutual interest in broadening the spectrum and the breath of competence of young researchers, and in bringing together the teaching and research features of highly qualified European University and Research Centres with complementary expertise, and also

RECOGNIZING the effectiveness and success of the numerous mutual exchanges of researchers and mutual scientific collaborations in recent years, and also

RECOGNIZING the global nature of today’s business, industrial and social problems, and the need to address them by international cooperation,

HEREBY agree to start a collaboration to promote research, higher education and the progress of science through the internationalisation of their Doctoral study programs, the mobility and exchange of Doctorate students and staff members according to the terms and conditions set forth in the following articles.

#### **Article 0: Definitions**

For the purpose of this agreement Host Institution shall mean the Institution that sends the Visiting Scholar (Doctorate student, member of the technical staff). Associate Institution shall mean the Institution that receives the Visiting Scholar. Research Group shall mean any individual or group of staff Professors and Researchers at one of the Institutions.

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### **Article 1: Scope and Fields of Collaboration**

UPM and URT will promote collaboration through reciprocal arrangements for the exchange of staff members, research students and courses, aimed at the internationalisation of their Doctoral studies and research activities, contingent upon availability of funding resources. The Parties will not demand payment from each other for the collaboration.

Electronic Material's Science, Micro- and Nano- Electronics, Optoelectronics, Solid State Electronics, Circuits/System Design and Implementation, Nonlinear Dynamics Engineering, will constitute the initial subject matter of collaboration between UPM and URT. Additional research and collaboration areas may be specified on a case-by-case basis.

### **Article 2: General Terms and Conditions**

The Parties will promote the exchange of Doctoral students and the sharing of higher education activities. The primary goals of such exchanges and sharing will be: 1) to utilize the expertise and facilities available at the Associate Institution for research work and educational activities carried out by the student as part of his/her doctoral studies and thesis work. The Parties will also assist their respective members in developing scholarly exchanges including, but not limited to, research collaboration, specialized lectures and seminars at the Doctoral level, training stages for administrative and technical staff.

The Partners will take responsibility for the publicity of the whole Doctoral program and for the promotion of the specific research projects proposed at their site. The students will be encouraged to attend courses at the Associate Institution; both UPM and URT will publicize course offering.

During the visit, Visiting Scholars will be governed by the rules and regulations of the Associate Institution. Courses to be attended will be specified in the Personal Career Development Plan (PCDP) described below and their credit will be accounted for in the credit system of the Host institution according to its internal regulations.

### **Article 3 : Specific Regulations for Exchange students**

Exchange Doctorate students should fulfill all conditions needed by registration for a Doctorate in both Institutions. The administrative registration will be made each year in both Institutions. The registration fees will be paid in one or in the other country; the establishment which exempts must dispose of payment proofs in the other establishment. For a given academic year, the fees will be paid to the establishment where the student mainly stays during the considered academic year, as specified in the PCDP. As a matter of fact, there must be at least one registration paid in one or in the other establishment. During the research period at the Universidad Politécnica de Madrid the "academic supervision fee" should be paid yearly.

The Parties will agree on the doctorate subject, the supervision, and the support of the Doctorate activity. Each Institution will nominate one or more supervisors for each Exchange Doctorate student (Tutor, Relatore). Supervisors hire themselves to fully exert their supervising role over the student. Each Exchange Doctorate Students will follow a Personal Career Development Plan (PCDP), jointly approved by the Institutions, specifying the Host Institution, the Associate Institution, the expected schedule of research activities at both institutions and the Supervisors.





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In the Course of their studies for the Doctor degree, exchange Doctorate students will have to attend educational activities (theoretical, methodological or applicative lectures or seminars) according to the particular regulations at each country and institution. In addition, they are expected to attend courses of the mother language of the Associate Institution. A maximum of one half of this training activity should be chosen among those organized by the Associate Institution.

Exchange Doctorate students will spend a minimum of six months at the Associate Institution. The student activity will be subject to yearly evaluation according to the rules of the Institutions.

The thesis will be written in the language of the country of the Associate Institution with a large summary written in the language of the Hosting Institution and in English. The thesis could be written in English with the consent of both institutions. In this case it should include a large summary written in Spanish and Italian.

The Doctorate will lead to a single oral examination which takes place at the Host Institution. This oral examination will be recognized by both Parties. The oral presentation will be in English. Both supervisors will participate to the oral examination.

The jury will be composed according to the particular regulations where the doctoral thesis is registered and where it will be defended (the Host Institution). Prior to the final oral presentation and according to the institution's regulations a review process will be performed by a reviewers committee or through an equivalent procedure. The nominated reviewers will provide a written evaluation of the thesis.

Each Doctorate student, after the oral examination and under proposition of the jury, will acquire the diploma of Doctor or the diploma of Dottore di Ricerca, in accordance with the Spanish and Italian regulations.

The diploma should include the *Diploma Supplement* according to the European regulations and recommendations.

#### **Article 4 : Funding, Housing, Expenses and Subsistence**

The funding for doctoral activity at the Host Institute is usually supported by the university or national funding scheme of the University/Country of the student. The funding for the doctoral and teaching activity at the Visiting Institute is open to various forms of support and, specifically, the internationalisation programs of the University/Country of the scholar (for Italy, in particular, under the action Art. 23, D.M. 5 agosto 2004 n. 262), the various actions of the European Union in the "Framework Programme", such as Human Resources and Mobility (Marie Curie Actions) and Networks of Excellence in the EU Thematic Priorities, and various funds of the Institutes, Departments and Research Groups and charitable donations.

The Visiting Scholar is liable for housing. Where feasible, and on a case-by-case basis, the Research Groups will endeavour to provide logistic support.

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### Article 5: Research Projects

Staff members of either Institution may initiate joint research projects that will be the subject of definitive project agreements specific to each project and separate from this general agreement. For each specific project the Parties will nominate a scientific coordinator. The financial arrangement relating to each joint research project will be in accordance with the specific agreement covering each project.

### Article 6: Course sharing

The Parties will cooperate in the joint development and sharing of educational material, preferably in English, to be used for specialized courses, lectures and seminars at Doctoral level, suited for use with traditional as well as advanced communication technologies, including, but not limited to, web supported technologies, videoconferencing, narrated slide shows, interactive hypermedia.

### Article 7: Renewal and termination

This Agreement shall have an initial duration of five years from the date of signature. The Partners may recede from this agreement every academic year. The decision to recede must be notified to the other Party within April 30, and it will be effective starting from the following academic year. The dissolution of the agreement must not prevent the proper conclusion of on-going collaborative initiatives. This Agreement may be reviewed or extended further, in five-year increments, by mutual written notification.

For the  
Universidad Politécnica de Madrid.  
Professor Javier Uceda Antolín  
Rector,  
Universidad Politécnica de Madrid  
Avda. Ramiro de Maeztu, 7  
28040 Madrid, España.

Date :

For the  
Università Roma Tre  
Professor Guido Fabiani  
Rector,  
Università Roma Tre  
Via Ostiense, 169 – Roma, Italia

Date : 17 MAG. 2012



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