International Doctoral School

EDEMOM

European Doctorate in Electronic Materials, Optoelectronics and Microsystems

CONSORTIUM AGREEMENT

Second 5-year period

1 Introduction

A European Doctorate in Electronic Materials, Optoelectronics and Microsystems is currently being pursued by a Consortium of European Universities. The Consortium Partners, hereinafter called Partners, are the following Universities.

URT, Università Roma Tre, Italia

WUT, Warsaw University of Technology, Poland

UPM, Universidad Politécnica de Madrid, Spain

UPD, Université Paris-Diderot, France

UNSA, Université de Nice Sophia Antipolis, France

University of Roma Tre, is coordinating this network. The aim is to provide doctoral training programs for European students in highly qualified European Universities and Research Centers involved in various fields of research on Solid State Electronics, Optoelectronics, Nanoelectronics, Microelectronics and Microsystems.

2 Program Objectives

a) To promote a highly-qualified "European Doctorate in Electronic Materials, Optoelectronics and Microsystems" with the aim of broadening the spectrum and the breath of competence of young researchers in the enlarged field of Information Technology.

b) To ***bring together*** the unique ***teaching*** and ***research*** features of highly qualified European Universities and Research Institutes with complementary expertise working in the fields of Electronics, Optoelectronics, Information and Communication Technologies.

c) To create a ***link*** between ***academic*** and ***industrial*** bodies in Europe.

d) To ***assist*** the ***development*** of ***less favored regions*** in Europe by offering training to young students from less favored regions, and by allowing industries of less favored regions to co-operate with the Universities through the doctorate program.

3. Doctorate themes

In general, the doctorates will be focused on topics related with Electronic Materials, Solid State Electronics, Optoelectronics, Device Modeling, Circuit Design, Device's Integration Technology and more in general Information and Communication Technologies (ICT). A matrix structure of fundamental disciplines (columns of the matrix chart) and application subjects (rows of the matrix chart) has been worked out, and is reported in the following Table I. By fundamental disciplines we aim to consider areas of basic science, which are necessary prerequisites for possible applications. On the other hand, by application fields we intend concepts and ideas which, starting from fundamental disciplines, make it possible to devise either innovative ICT-related systems, or new methodologies for device, circuit, system design and manufacturing or, more generally, to yield novel solutions to practical problems of social, economic or health-related relevance. The matrix chart has been constructed to link the various doctoral studies within a common framework. The aim is to organize the specific themes of the doctorates so that students working in different institutions can collaborate in a larger program.

4. Doctorate Structure and recruitment procedure

Each doctoral student is expected to follow a Personal Career Development Plan (PCDP). According to this plan, the student is going to refer to a "*Hosting Institute*" and an "*Associate Institute*", which agree on the doctorate subject, as well as the supervision and support of the doctorate activity. The main research activity will be pursued at the Hosting Institute, but a significant part of the work will be carried out at the Associate Institute, for a time frame to be defined between six months and one year. Formal applications for the doctoral positions will be sent to the Hosting Institute where the applicant wishes to perform his doctoral training in accordance with the Hosting-Country governing law. The candidates will be registered as full-time students according to the procedure of the Hosting Institute. The Hosting Institute will propose the Ph.D.

supervisor(s) while the Associate Institute will suggest the deputy scientific advisor(s). The training plan is developed within the PCDP, following the Hosting Institute regulations. All students are required to attend a number of classes at the Hosting Institute or some other Partner sites according to the provisions of the PCDP.

The doctoral title is awarded by the Hosting Institute, after the candidate has passed a final examination with thesis discussion. Based on the possible existence of a mutual agreement between the Hosting and the Associate Institutes as specified in the PCDP, a final joint degree will be delivered to the candidates.

5. Institutions Involved

The Consortium comprises a number of Institutions whose excellence in various fields of Electronics, Optoelectronics and more generally Information and Communication Technology is well known in Europe and abroad. Also, geographic and economic criteria for a uniform action over different European Institutes have been given proper consideration.

6. Doctoral promotion

The Partners involved in the network will take responsibility for the publicity of the whole doctoral program and for the promotion of the specific projects proposed at their site.

7. Funding for Hosting Institutes and Associate Institute

The funding for doctoral activity at the "Hosting Institute" is usually supported by the University or by National funding schemes. The funding for the doctoral activity at the "Associate Institute" is open to various forms of support and, in particular, to various actions of the Seventh Framework Program, such as Human Resources and Mobility (Marie Curie Actions) and Networks of Excellence in the IST Thematic Priority.

The present agreement will be effective from the academic year 2012-2013. Every Partner may recede from this agreement before the beginning of each academic year. The decision to recede from the agreement must be notified to the other parties within April 30, and it will become effective starting from the following academic year. The withdrawal from the agreement must not prevent the proper conclusion of on-going doctoral programs.

Organization Legal Name: Università Roma Tre

Short Name: URT

Address: Via Ostiense, 169, 00148 - Rome, Italy

Person authorized to sign the agreement:

Prof. Guido Fabiani

Position in the Organization: Rector

Date _____

Signature _____

IL RETTORE
Guido Fabiani

UNIVERSITÀ DEGLI STUDI ROMA TRE
ROMA TRE

Organization Legal Name: Warsaw University of Technology

Short Name: WUT

Address: Pl. Politechniki 1, 00-661 Warszawa, Poland

Person authorized to sign the agreement:

Prof. dr. hab. inż. Włodzimierz Kurnik

Position in the Organization: Rector

Date 24.02.2012

Signature _____

REKTOR
prof. dr hab. inż. Włodzimierz Kurnik

Organization Legal Name: Universidad Politécnica de Madrid.

Short Name: UPM

Address: Avda. Ramiro de Maeztu, 7, 28040- Madrid, Spain.

Person authorized to sign the agreement:

Prof. Javier Uceda Antolín

Position in the Organization: Rector

Date 26/01/12

Signature _____

Organization Legal Name: Université de Nice Sophia Antipolis

Short Name: UNSA

Address: Parc Valrose, 06108 Nice cedex 2, France

Person authorized to sign the agreement:

Prof. Albert Marouani Frederique Vidal

Position in the Organization: President

Date 10 SEP. 2012

Signature

Le Président de l'Université
Nice-Sophia Antipolis

UNIVERSITE DE NICE - SOPHIA ANTIPOLIS 1.1.1996

Pr. Frédérique VIDAL

Organization Legal Name: Université Paris-Diderot, France

Short Name: UPD

Address: 5 rue Thomas Mann, 75205 Paris cedex 13

Person authorized to sign the agreement:

Prof. Vincent BERGER

Position in the Organization: President

Date 22 mai 2012

Signature

Table I

Fundamentals Application	Numerical Analysis and Algorithms	Stochastic Processes	Solid State Electronics	Optoelectronics	Functional Analysis	Technology	Optimization Methods	Dynamical Systems Theory
Materials for Micro- and Nanoelectronics		X	X	X		X	X	
New Device Concepts	X	X	X			X	X	
Sensors and Microsystems	X		X	X	X	X		X
Circuit Design	X		X		X	X	X	X
Mixed Mode ICs (System-on-Chip) (Integrated Optoelectronics)	X		X	X		X	X	
System Design Technology	X		X			X	X	
Communication	X	X	X	X		X		X
Pattern Recognition and Classification	X	X		X	X		X	

ROMA TRE
UNIVERSITÀ DEGLI STUDI

DIPARTIMENTO SCIENZE - AREA RICERCA

SCUOLA DOTTORALE INTERNAZIONALE (EDEMOM)
Electronic Materials, Optoelectronics and Microsystems
Sezione di Elettronica: dalle nanostrutture ai sistemi

Cèsar Benavente-Péces
Universidad Politécnica de Madrid
Departamento de Ingeniería de Circuitos y Sistemas
Carretera de Valencia, km. 7.
28031 - Madrid
ESPANA

Rome,March 11th, 2013

Dear prof. Benavente-Péces,
I return enclosed the Consortium Agreement for the International PhD School EDEMOM, signed by the legal representative of each Partner Institution

Best regards

The Secretariat

DIPARTIMENTO DI SCIENZE
UNIVERSITA' DEGLI STUDI ROMA TRE

Largo San Leonardo Murialdo, n.1 - 00146 Roma -tel. 39+6+57338.200/096 - fax 39+6+57338.209
e.mail ricerca.scienze@uniroma3.it – sito web: http://www.uniroma3.it