

AMONG

having its registered office at Piazza dell'Ateneo Nuovo 1, 20126 Milan, Italy,
legally represented by Professor Marcello Fontanesi, the Rector

having its registered office at Einstein st. #3, Campus Cantoblanco, 28049 Madrid, Spain,
legally represented by José Maria Sanz, the Rector

having its registered office at Universitätsstr. 150, D-44780 Bochum, Germany,
legally represented by Mr Gerhard Möller, the Chancellor

having its registered office at Campus de Leioa, Barrio Sarriena s/n, 48940 Leioa, Bizkaia, Spain,
legally represented by Professor Inaki Goirizelaia, the Rector

having its registered office at via Festa del Perdono 7, 20122 Milan, Italy,
legally represented by Professor Enrico Decleva, the Rector

having its registered office at Campusvej 55, Odense, Denmark,
legally represented by Professor Jens Oddershede, the Rector.

having its registered office at Collegium Novum, ul. Gobia 24, 31-007 Kraków, Poland,
legally represented by Professor Karol Musiol, the Rector

having its registered office at K. Donelaicio g. 73, LT-44029 Kaunas, Lithuania,
legally represented by Prof.dr. Raimundas Siauciunas, the Rector

having its registered office at 4, place Jussieu, 75015 Paris, France,
legally represented by Professor Jean-Charles Pomerol, the University President

Having its registered office at at Ammerländer Heerstr. 114-118, 26129 Oldenburg, Germany,
legally represented by Professor. Dr. Babette Simon, the University President

having its registered office at 119991 Russian Federation, Moscow, GSP1, Leninskiye Gory, Russia,
legally represented by Professor V.A. Sadovnichii, the Rector

having its registered office at Str. Constantin Daicoviciu nr 15, 400020 Cluj - Napoca, Romania 119991,
legally represented Prof. Radu Munteanu, the Rector

DESCRIPTION AND OBJECTIVES OF THE PROJECT

The Institutions involved in the creation of this collaborative network of doctorate programmes intend to promote and to strengthen scientific and academic cooperation. They share the following views:

- the **importance** of an international research policy;
- the **value** of a cross-border approach in re-thinking higher education.

1. Objectives of the project

The main purpose of this Project is to offer scientific, competitive education and research training at the doctorate level in a European context. To this aim, the Higher Education Institutions express their intention to start a collaborative network of doctorate programmes in Physics and Chemistry of Advanced Materials, as listed in Annex 2. They mutually agree to provide an additional certificate stating that their resulting doctorate degrees are European.

The collaborative network of doctorate programmes in Physics and Chemistry of Advanced Materials will be managed by a Governing Board composed of representatives of the different Institutions (Annex 3).

2. Admission criteria to the collaborative network of doctorate programmes

Candidates must meet the admission requirements of the home institutions for their programmes of doctorate. Candidates must also demonstrate a strong international vocation, background knowledge in addition to specific interest in physics, chemistry of advanced materials and a very good level of a second European language.

The opportunity to participate in this collaborative network of doctorate programmes will be given to a selected number of candidates under the joint supervision of senior academic staff from the involved institutions and after obtaining a positive consent by the Governing Board.

3. Programme of studies

Students must fulfil the local doctorate programme in which they have enrolled at the home University. In addition they can join any of the doctorate programmes in Physics and Chemistry of Advanced Materials listed in the Annex 2, which is already available at the other partner Universities. They normally also have to attend courses and pass exams in these fields at some of the other Universities. In order to do research work, they normally also have to spend a minimum of six months at one of the Universities signing this agreement.

A supervisor at the home institution shall be appointed for each student registering subject to the doctorate rules of the home institution, and a second supervisor shall be appointed at the guest University. They shall co-ordinate the student's academic and research programme and any additional study requirements. They will also be required to submit reports on the student's progress.

Co-tutoring with partner Universities will also be possible.

Subsequently the collaborative network of doctorate programmes will develop interdisciplinary courses, and an itinerant Summer School.

4. Expenses and fees

The doctorate students may receive a scholarship according to the doctorate provisions at each University.



Each Party will pay all insurance costs of its own students and staff participating in the exchange programme, including accident insurance and third party civil liability insurance. Students from all Institutions are required to provide additional health insurance coverage at their own expense. In the case of the University of Southern Denmark and German Universities only the legal requirements for insurance shall apply.

At the beginning of each academic year, students will enrol at the home university and pay any fees due to that institution. No additional fees will be required by the host university in the framework of the present partnership agreement.

5. Award of doctorate

Students participating in the collaborative network of doctorate programmes will present their thesis in English and, if necessary, in the language of their home University.

At least one examiner from the Universities signing the present Partnership Agreement, but not belonging to the home University, will be appointed to be a member of the jury.

Before the final oral exam, the doctorate thesis will be evaluated by two foreign scientists not belonging to the home University. The candidate should submit the thesis for review at least one month before the final exam. The reviewers are to send their report to the Chairman of the examination commission one week before the final exam.

Following the final oral exam the Chairman of the examination commission shall send a copy of the thesis to all the PCAM delegates. The delegates shall have two weeks from receipt of the thesis to object to the issuance of the additional diploma. Any objection shall be in writing and shall be substantiated.

The procedure and the institutional rules for the award of a doctorate/degree at the home University shall apply. In addition, candidates will receive an additional certificate stating its European significance if no delegate has objected.

6. Disputes

The partner universities shall make every effort to reach an out-of-court settlement for any disputes that arise on signing or performing this Agreement.

7. Duration of agreement

This Agreement shall enter into force at the signature by all the contracting Parties. It shall be binding upon the Parties hereto for a period of seven years. The Agreement may be renewed or modified by means of a written notice approved by the academic boards. Each Party may at any time withdraw from the present Agreement by giving a six months prior written notice to the other Parties

8. Termination of previous agreements

With the signing of this agreement, the previous agreement concluded bilaterally between Università degli Studi di Milano, Università degli Studi di Milano Bicocca, Universidad Autónoma de Madrid, University of the Basque Country, Ruhr Universität Bochum, University of Southern Denmark (SDU), Jagiellonian University, Kaunas University of Technology and The University of St. Andrews, dated 26 March 1997, shall terminate.



9. Language

The agreement will be signed in twelve original copies in English having the same legal value.

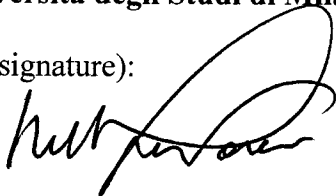
10. Annex

The enclosed annexes (1, 2, 3 and 4) form an integral part to the present agreement.



Università degli Studi di Milano - Bicocca

By (signature):



Name: Professor Marcello Fontanesi

Title: The Rector

Date: 11 FEB 2011

Stamp of the institution



Universidad Autónoma de Madrid

By (signature):

José M. Sanz

Name: **Professor José Maria Sanz**

Title: **The Rector**

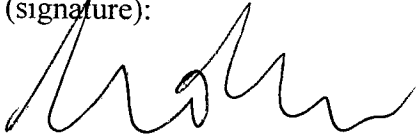
Date: *15 de julio de 2010*

Stamp of the institution



Ruhr Universität Bochum

By (signature):

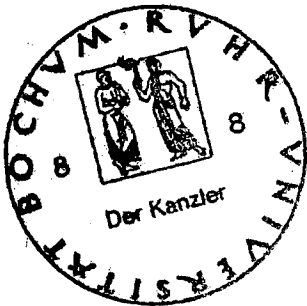


Name: **Mr Gerhard Möller**

Head of Administration

Date: **02. AUG. 2010**

Stamp of the institution



University of the Basque Country

By (signature):

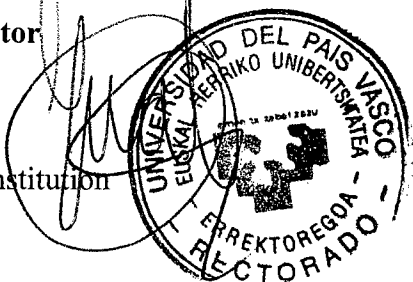
Name: **Professor Iñaki Goirizelaia**

Title: **The Rector**

Date:

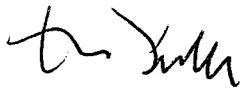
22/12/2010

Stamp of the institution



Università degli Studi di Milano

By (signature):



Name: **Professor Enrico Decleva**

Title: **The Rector**

Date: **23 DIC. 2010**

Stamp of the institution





University of Southern Denmark (SDU)

By (signature):

A handwritten signature in black ink, appearing to read "Jens Oddershede".

Name: **Professor Jens Oddershede**

Title: **The Rector**

Date:

15/10 - 10

UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55
DK-5230 Odense M
Denmark



Stamp of the institution



Jagiellonian University

By (signature):



Name: **Professor Karol Musiol**

Title: **The Rector**

Date: 29/10/10

Stamp of the institution

UNIwersYTET JAGIELLOŃSKI
ul. Gołębia 24, tel. 422-10-33
31-007 Kraków
NIP 675-000-22-36



Kaunas University of Technology

By (signature):



Name: **Prof.dr. Raimundas Siauciunas**

Title: **The Rector**

Date: *2010 07 09*

Stamp of the institution



Université Pierre et Marie Curie

By (signature):

Name: **Professor Jean-Charles Pomerol**

Title: **The President**

Date: 2 11 2010

Le Président de
l'Université Pierre et Marie Curie
(Paris 6)

Jean-Charles POMEROL



Carl v. Ossietzky University

By (signature):

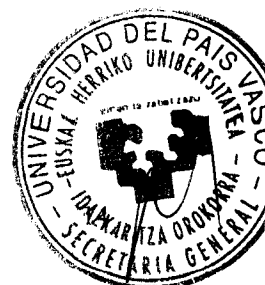
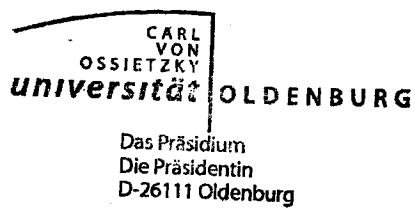


Name: **Professor Dr. Babette Simon**

Title: **The President**

Date: 27. 10. 2010

Stamp of the institution



Lomonosov Moscow State University

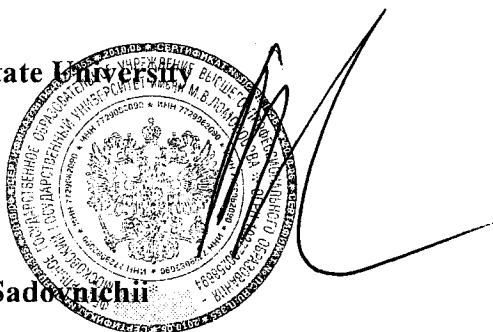
By (signature):

Name: **Professor V.A. Sadovnichii**

Title: **The Rector**

Date:

Stamp of the institution



Technical University of Cluj-Napoca

By (signature):

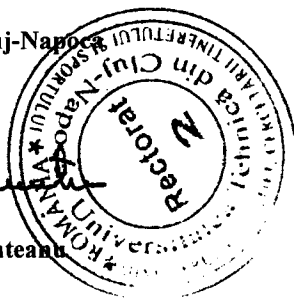


Name: Professor Radu Munteanu

Title: The Rector

Date: 02.09.2010

Stamp of the institution



ANNEX 1

THE GOVERNING BOARD

The Governing Board for the collaborative network of doctorate programmes in Physics, Chemistry and Advanced Materials will be formed as follows:

Professor Gian Paolo Brivio, Director Doctoral School in 'Materials Science', University of Milano-Bicocca

Professor Miguel Manso Silván, Universidad Autónoma de Madrid

Professor José Maria Pitarke, Universidad del País Vasco UPV/EHU

Professor Martin Muhler, Ruhr Universität Bochum

Professor Giovanni Onida, University of Milano

Professor Horst-Guenter Rubahn, University of Southern Denmark

Professor Marek Szymonski, Jagiellonian University

Professor Sigitas Tamulevicius, Kaunas University of Technology

Professor Abhay Shukla, Director Doctoral School 'Physics of Chemistry of Materials' Université Pierre et Marie Curie.

Professor Katharina Al-Shamery, Carl v. Ossietzky University

Professor A.R. Khokhlov, Vice-Rector of Moscow State University

Professor Traian Petrisor, Technical University of Cluj-Napoca

If one delegate of this collaborative network of doctorate programmes should cease his functions, the Rector of that University will designate a successor.



ANNEX 2

DOCTORATE PROGRAMMES WHICH CAN BE CHOSEN AT EACH UNIVERSITY:

University of Milano-Bicocca

Doctorate Programme in Materials Science
Doctorate Programme in Nanostructures and Nanotechnology
Doctorate Programme in Physics
Doctorate Programme in Chemistry: curriculum of Chemistry of Materials

Universidad Autónoma de Madrid

Doctorate Programme in Condensed Matter Physics
Doctorate Programme in Photonics
Doctorate Programme in Molecular Nanoscience
Doctorate Programme in Advanced Materials and Nanotechnology

University of the Basque Country

Doctorate Programme in Physics of Nanostructures and Advanced Materials

Ruhr University of Bochum

Doctorate Programme in Chemistry and Biochemistry

University of Milano

Doctorate Programme in Physics: Curriculum Studiorum in Condensed Matter

University of Southern Denmark (SDU)

Doctorate Programme in Functional Materials and Nanotechnology

Jagiellonian University

Doctorate Programme in Nanotechnology
Doctorate Programme in Advanced Materials Science

Kaunas University of Technology

Doctorate Programme in Applied Physics
Doctorate Programme in Materials Engineering
Doctorate Programme in Chemistry

Université Pierre et Marie Curie

Doctorate Programme in Physics and Chemistry of Materials

Carl v. Ossietzy University, Oldenburg

Doctorate Programme in Interface Science

Lomonosov Moscow State University

Doctorate Programme in Condensed Matter Physics, Materials science, Chemistry, Nanoscience

Technical University of Cluj-Napoca

Doctorate Programme in Materials Science and Engineering



ANNEX 3

GOVERNANCE:

1. Constitution of the Governing Board

A Governing Board, formed by one member from each Party, shall be established jointly. Each member of the Board is nominated by the legal representative of each University.

The Governing Board shall be responsible for setting the overall direction for the Programme within the confines of each Party's regulations, policies and procedures. The Governing Board shall be authorized to undertake the following tasks:

- Approve Students for the network of doctorate programmes, recommend Co-supervisors in accordance with this Agreement;
- manage any disputes that may arise under this Agreement;
- monitor project selection criteria;
- propose future developments and changes.

2. Chairman

The Chairman will be appointed by the members of the Governing Board and shall be in office for a term of four years.

The Chairman acts as a Programme Director and shall be responsible for the day-to-day operation of the Programme, for administering the Programme, and for preparing and presenting an annual report to the Governing Board that summarizes the activities and plans of the Programme.

3. Meetings of the Governing Board

The Governing Board will convene at least two formal meetings per year. Meetings will also be called by teleconference.

The business agenda shall be sent to all members of the Governing Board through the Chairman, at least one month before the meeting of the Governing Board. The Chairman establishes the minutes containing the deliberations and decisions of the Governing Board.

The Governing Board shall be held upon the request of 20% of its delegates.

In a meeting a quorum of the Governing Board shall be the first whole number equal to or greater than 50% of the total number of Delegates on the Governing Board.

A member may be represented by another member. A member may not represent more than two other members. The power of representation has to be submitted to the Chairman in writing.



4. Decision making process and resolutions of the Governing Board

A decision of the Governing Board shall be made as a resolution of the Delegates. All decisions of the Governing Board require a simple majority of the present delegates.

As a matter of principle, resolutions of the Governing Board shall be taken during a meeting.

The Chairman of the Governing Board shall have a casting vote in case of a tie.

Resolutions of the Governing Board may also be adopted by proceedings in writing. No decision concerning an amendment of the present Agreement may be made by the Governing Board in writing. The quorum for resolutions in writing requires at least 75% of the members of the Governing Board.

5. Evolution of the Governing Board

The Governing Board may be enlarged to include other legal entities who present a written formal request signed by their legal representative and addressed to the Chairman of the Governing Board.

The Governing Board deliberates the approval of access to the Partnership Agreement by the new applicant, who shall accede to the partnership agreement by means of the form, as set out in Annex 4.

The new member shall comply with the participation rules established by the Partnership Agreement and shall assume the rights and obligations of delegates as established by the Partnership Agreement with effect from the date of their accession to the agreement.

Members leaving the Partnership Agreement shall be bound by the provisions of the agreement regarding the terms and conditions applicable to the termination of their participation.



ANNEX 4

ACCESSION TO THE CONTRACT

(to be filled in by each new member of the Partnership Agreement)

.....[full name and legal form of the University],
represented for the purpose hereof by[name of legal representative]
(function) or her/his/their authorized representative established in.....
(full address: city/state/province/country), who is legally authorized to act on behalf of the legal
entity (or acting as its legal authorized representative),

hereby consents to become a member to the Partnership Agreement for the creation of a
collaborative network of doctorate programmes in Physics and Chemistry of Advanced Materials
(PCAM) signed on(date)

and accepts all the rights and obligations of a member.

.....[name of legal representative] designates Professor
..... to enter the Governing Board on behalf of the University (to integrate
Annex 1).

The doctorate programmes which can be chosen at[full name of
the University] are the following: (to integrate Annex 2).

Done in thirteen copies, which shall be distributed to each partner.

Name of Legal Entity[full name of the University]

Name of legally authorized representative:..... (written out in full)

Title of legally authorized representative:.....

Signature of legally authorized representative:.....

Date:.....

Stamp of the organization

Name of Chairman of the PCAM Governing Board[full name of the member]

Signature:

Date:.....

