



Agreement for International Dual PhD's



Pursuant to :

- the decree dated 7th August 2006 concerning the deposit, advertising and duplication modalities of thesis and works presented for the doctorate ;
- the decree dated 4th August 2006 concerning doctoral studies ;
- the decree dated 6th January 2005 concerning the international dual PhD;

it is agreed :

Between

**The Institut National des Sciences Appliquées de TOULOUSE
(INSA Toulouse)
represented by its Director, Professor Louis CASTEX**

on the one hand,

and

**The Suranaree University of Technology (SUT) of Nakhon Ratchasima, Thailand,
represented by its Rector, Professor Dr. Prasart SUEBKA**

on the other hand,

the agreement of an international dual PhD concerning Ms. Metinee WASOONTHARAWAT

The following provisions are defined within the framework of an international dual PhD procedure between French and foreign higher education institutions, which are authorized to deliver doctoral degrees in their respective country.

SECTION I : ADMINISTRATIVE CLAUSES

1-1 : Registration

Ms. Metinee Wasoontharawat meets all the conditions necessary to its registration in PhD in the two institutions.

The administrative registration will be done each year in the two institutions. At INSA of Toulouse the registration will be carried out in the Doctoral School SEVAB.

1-2 : Registration fees

The registration fees will be paid to Suranaree University of Technology (SUT), Nakhon Ratchasima, Thailand.

1-3 : Social cover

- When staying at INSA, the PhD student will have to prove:
 - an affiliation to the student social security system
 - or a subscription for a voluntary insurance in the case of exemption for age limit
 - or an affiliation to another social security system. (ex paid...).
- For the periods in the other establishment of : the PhD student will have to prove the maintenance of its social security cover either by extension of its guarantees, or by subscription to a voluntary insurance.

The PhD student will have, in addition, to justify of a civil responsibility insurance valid in France and abroad.

1-4 : Conditions of lodging and financial support offered to the student

Ms. Metinee Wasoontharawat benefits from a French Government Scholarship administered by the CROUS from February 2009 to May 2010.
CROUS will organize her lodging during her stay in France.

SECTION II : EDUCATIONAL CLAUSES

2-1 : Research work

The research work will relate to **Butanol Production using a recombinant *Clostridium acetobutylicum* from cellulosic feedstocks**

The research work will be jointly supervised.

- At INSA de Toulouse by Dr. MEYNIAL-SALLES Isabelle (MCF, HDR) and Dr. SOUCAILLE Philippe (Pr.), of Laboratoire d'Ingénierie des Systèmes Biologiques et des Procédés (LISBP)

- At SUT Nakhon Ratchasima by par Dr. Sunthorn KANCHANATAWEE (Assistant Professor) and Dr. Kaemwich JANTAMA, of School of Biotechnology.

The four PhD supervisors both agree to fully carry out the functions of tutor to the doctoral student, in close cooperation.

The length of time for the preparation of the PhD will be shared alternately between the two institutions.

At INSA Toulouse : from February 2009 to May 2010.

At SUT Nakhon Ratchasima : from May 2008 to May 2011, except the periods of time in France.

2-2 : Language to be used in the PhD thesis

The thesis will be written in English

If the language is not French, the writing will be complemented by a substantial French abstract.

The short abstract which is compulsory in France will be written in both languages.

2-3 : Viva voce examination

The viva voce board of examiners will be composed in a balanced proportion of scientists from the two institutions jointly designed by both institutions and will include, in addition, personalities external to these institutions.

The viva voce board will consist of at least four members including the two thesis supervisors. The number of examiners cannot exceed eight.

The composition of the board of examiners will be in conformity with the decree of August 7 2006, when the rules of the country of the partner allow it. These rules could be waived in the event of incompatibility

The thesis will terminate with a single viva voce examination, after which the chairperson of the board of examiners will draw up a report countersigned by all the members and will transmit it to the presidents/directors of the two institutions involved in this agreement.

The viva voce examination will take place at School of Biotechnology, Suranaree University of Technology (SUT), Nakhon Ratchasima, Thaïlande.

2-4 : After the viva voce examination

After the viva voce examination, the institutions involved in this agreement can :

- both jointly deliver a single PhD diploma
- or simultaneously deliver a PhD diploma from each institution.

In France the PhD diploma gives the PhD grade which is associated with a level of eight study years after the baccalaureate.

The Doctorate diploma will be awarded by Institut National des Sciences Appliquées de Toulouse.

In Thailand the PhD diploma gives the PhD grade which will be awarded by Suranaree University of Technology (SUT).

SECTION III : INDUSTRIAL PROPERTY AND DISSERTATION DEPOSIT

3-1 : Industrial Property

Each part preserves the property of the research results carried out before the implementation of this agreement.

In the same way, the results relating to the field of research of this agreement but which do not come directly from the work carried out within the framework of this agreement belong to the part which obtained them. The other part receives on the corresponding patents and know-how no right because of the present agreement.

The patentable or not patentable results generated by one of the parts after the implementation of this agreement with its own means belong to this one.

The patentable or not patentable results obtained within the framework of this agreement with means of each part belong in joint ownership to both parts.

If a common result from the work aimed by present agreement would be patentable, the parts will get information mutually and will act in concert to specify the conditions of this patent deposit (fees of first patent deposit, apportionment of costs of establishment, of maintenance, extensions abroad...). The conditions of the deposit and of the exploitation of this patent will be the subject of a rider to the present agreement.

Each part will be allowed to use the results obtained within the framework of this agreement for its own research needs in a free way and without any charge.

The parts will cooperate to negotiate the conditions of any industrial and commercial use (of the common results of the research, either patented or not, in proportion to their respective intellectual and financial contributions for obtaining these results and for prospecting industrial and commercial markets.

3-2 Dissertation deposit

For INSA :

Within three months after the viva voce examination, three paper copies of the dissertation plus one electronic copy will be deposited.

For SUT:

Within one month after the viva examination, three paper copies of the dissertation plus one electronic copy (CD-ROM) and three copies of thesis abstracts each in Thai, French and English will be deposited.

SECTION IV : MODIFICATION – TERMINATION

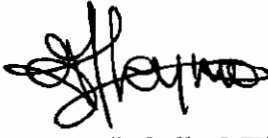
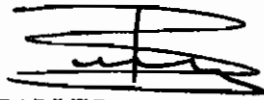
The present agreement can be modified and terminated by way of an endorsement established by mutual acceptance and signed by the signatories of the initial agreement.

Toulouse, the
The director of INSA Toulouse




Professor Louis CASTEX

Toulouse, the 17112108
The PhD supervisors at INSA Toulouse

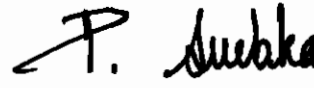

Dr. Isabelle MEYNIAL-SALLES
Co-supervisor : Pr. Philippe SOUCAILLE

Toulouse, the
The Director of the PhD School

Professor Sovan LEK

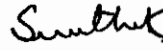



Nakhon Ratchasima, the
Rector of SUT

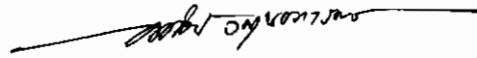
Professor Dr. Prasart SUEBKA

Nakhon Ratchasima, the
The PhD supervisors at SUT

Asst. Prof. Dr. Sunthorn KANCHANATAWEE
Co-supervisor : Dr. Kaemwich JANTAMA

Nakhon Ratchasima, the
The PhD student



Ms. Metinee WASOONTHARAWAT