

Double Degree Master Program in Engineering Science

Agreement

between

Technische Universität Berlin

Straße des 17. Juni 135, 10623 Berlin, Germany

and

East China University of Science and Technology

130 Meilong Road, Xuhui District, Shanghai, 200237, P.R. China

Preamble

Technische Universität Berlin

– hereinafter referred to as "TUB" –

and

the East China University of Science and Technology – hereinafter referred to as "ECUST" –

establish herewith a Double Degree Master Program in Engineering Science

– hereinafter referred to as "DDMPES" –

The present agreement lays down the rights and obligations of the parties in arranging Master Studies during the DDMPES at the TUB and ECUST.

Both universities will make all necessary technical and administrative arrangements for a start of the program in fall 2007.

I. General Regulations

I.1. After successful completion of the complete program at both universities, the students receive the degrees of both universities: :

(a) Master Degree of Mechanical Engineering at the ECUST

and

(b) Master of Science in "Engineering Science/Physikalische Ingenierwissenschaft" at the TUB.

I.2. The program shall have a shared curriculum. All program credits and grades obtained will be recognized by both TUB and ECUST.

I.3. The courses will be offered in German or in English at TUB and in Chinese or English at ECUST. Both universities will provide a suitable amount of courses for participating students to choose from. Projects and Master theses may be completed in English.

I.4. Following conditions must be fulfilled to enroll in the DDMPES:

a) Chinese students:

(1) Four year bachelor at ECUST or other Chinese University of Technology in Mechanical Engineering or other relevant course of studies.

(2) Knowledge of German and English language of a level determined by TUB. At the moment knowledge of German language of the medium level in accordance with the Goethe-Institute (Zentrale Mittelstufenprüfung or Goethe-Zertificate C1) is required.

b) German students:

(1) Three year bachelor at TUB or other German University of Technology in Mechanical Engineering or other relevant course of studies.

(2) Knowledge of Chinese and English language of a level determined by ECUST.

I.5. The number of participants will be limited to 5 Chinese and 5 German students (passport holders) per year. The number of admissions may be changed as deemed necessary through mutual agreement.

I.6. Admission committees will be set up at both partner universities for the selection of students. Selection procedures will involve interviews with short listed applicants. Both parties guarantee that participants of the dual degree program will be selected according to their academic, personal, and linguistic qualifications, inter-cultural competences, and capability for inter-cultural learning to be proved in motivation letters and in interviews.

I.7. The home university proposes a list of selected students and a copy of their application documents to the host university. The host university is entitled to inspect the documents and to confirm chosen students. In case of problems the partners will make consensual regulations.

I.8. By enrolling in the DDMPEs a personal study plan will be written and approved by both parties.

I.9. The studies structure is described in detail in the attachment to this agreement. It is to be approved by the academic council of the ECUST and the examining board in Engineering Science of the Faculty V Mechanical Engineering and Transport Systems of the TUB. Amendments and changes in the program come into force after being coordinated and confirmed by the above bodies of the partner universities.

I.10. Responsibility for carrying out the Double Degree Master Studies and its development rests with the heads of the DDMPEs of both universities. The faculty councils of the partner universities appoint these responsible persons.

II. Master Studies Arrangements

II.1. The planned duration of the DDMPEs will be 2 years. To earn the master's degree one should complete at least 120 credits according to the rules set forth in the program regulations attached to this agreement. At least 60 credits should be earned at the home university, and at least 60 credits at the partner university. For the duration of studies at the partner university, the students will be enrolled at the partner university according to the rules of the partner university and the DDMPEs agreement.

II.2. Guest professorships are encouraged. Part of the courses may be taken during such guest professorships instead of being taken at the partner university. The guest lectures will be given in English.

II.3. The DDMPEs shall consist of the following categories:

- at least 18 credits advanced mathematical courses
- at least 24 credits + project (6 credits) in one of the strong points listed below
- at least 24 credits + project (6 credits) in the second one of the strong points listed below
- at least 12 elective credits in technical subjects

- at least 12 elective credits in non technical subjects
- Master thesis (18 credits at TUB and 24 credits at ECUST).

The list of the strong points:

- numerics and simulation
- fluid dynamics
- mechatronics
- solid state mechanics
- thermodynamics
- technical acoustics

Courses assigned to particular categories or strong points are listed in module catalog. Advanced language courses may be chosen to fulfill 12 non-technical elective credits.

II.4. For each category of the DDMPES a module catalogue will be created. The modules descriptions provide in detail:

- the title of the course
- the responsible person and its address and E-mail
- the language
- the contents
- the qualification aims
- the workload calculation
- credit points
- qualification requirements for successful participation in the course

II.5. During the stay at the partner university, the examination regulations of the partner university are valid in the current version. All further details are handled by the examination board (Prüfungsausschüsse) of the university in question.

II.6. The master thesis shall be carried out according to the regulations of the university where the thesis is written. Each student is to have two supervisors, one from each university. The master thesis may be written in German, Chinese or English. The partner university is to receive an extended abstract of the thesis of about 4 pages in the language of the partner university.

III. Financial Commitments

III.1. The partner universities incur expenses connected with the preparation, carrying out of DDMPES, enrollment, and realization of the program.

III.2. Students incur expenses connected with traveling abroad (i.e. passport and visa costs, international transportation, health insurance, accommodation and other living costs).

III.3. Partner universities may assist in arrangements connected with traveling abroad (student dormitories accommodation, bringing in of grants for the program).

III.4. Taking part in the DDMPES is free of charge for both German and Chinese students.

Students participating in this dual degree program will pay their normal tuition and registration fees at their home universities. During the term of the agreement the host universities agree to waive all tuition fees for incoming students visiting under this agreement. However, students will be required to pay other mandatory university fees.

IV. Duration of the agreement

IV.1. The initial period of this agreement shall be for 8 years, and will be subject from time to time to revision or modification by mutual agreement. It will be automatically prolonged if no termination letter ends the agreement.

IV.2. Each party to the agreement may inform the other in writing of its intention to terminate the agreement at least 18 months before the intended date.

Technische Universität Berlin

East China University of Science and Technology

(Seal)

(Seal)

President of the University (Signature)
Prof. Dr. Kurt Kutzler

President of the University (Signature)
Prof. Dr. Qian Xuhong



Berlin

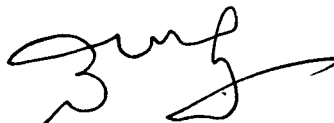
Berlin

Date 23/7/2007

Date July 23, 2007

Dean of the Faculty of Mechanical Engineering
and Transport Systems (Signature)
Prof. Dr. Volker Schindler

Dean of the School of Mechanical and
Power Engineering (Signature)
Prof. Dr. Wang Zhengdong



Berlin

Shanghai

Date July 17, 2007

Date June 29, 2007