AGREEMENT on an INTEGRATED DOUBLE DEGREE MASTER PROGRAMME in "Logic and Computation" along with "Computer Science" between Leibniz University Hannover, Germany and Technische Universität Wien, Austria

Leibniz University Hannover, for its Faculty of Electrical Engineering and Computer Science (hereinafter referred to as "LUH"), and Technische Universität Wien, for its Faculty of Informatics (hereinafter referred to as "TUW"), together referred as "the Parties", agree to start an Integrated Double Degree Master programme, hereinafter referred as "the DD programme"). Thus, the parties contribute to the mission and vision of the EULiST alliance by jointly implementing a new double degree, which covers the unique combination of subjects from both institutions. Representatives of both universities consent that the implementation of the DD programme will take place as outlined below:

Content and Structure of the Programme

The DD programme is defined as a two-year (four semester) Master´s Degree programme comprising a total of 120 European Credits (ECTS), integrating parts of the curriculum of the two independent Master programmes in "Computer Science" at LUH and "Logic and Computation" at TUW. Beginning in the academic year 2024/2025, the parties shall start the integrated DD programme.

After a successful completion of the first semester at their home university, students transfer their studies to the partner university (cross exchange). The regular stay at the partner university amounts to two semesters. Students must gain at least 50 ECTS during their stay abroad. The DD programme includes a Master´s thesis, to be completed in the fourth semester at the home or partner university.

Admission and Number of Students

Candidates apply for the DD programme at their home university. The eligibility requirements for the DD programme are the same as the requirements for admission to the M. Sc. "Computer Science" at LUH or rather to the M. Sc. "Logic and Computation" at TUW. The final decision on admission to the DD programme is made by the appointed responsible academic representative after a personal interview. The parties inform each other on the number and profiles of accepted candidates.

The DD programme is designed for five students in both directions per academic year to be admitted into the DD programme. The DD programme coordinators of the parties may renegotiate the maximum number of admitted students. This decision must be adopted by common accord.

Student Enrolment, Tuition and Fees

During the DD programme, students must be enrolled at one of the two partner universities and pay fees and tuition according to the Universities' rules and regulations. Admission at TUW is also required for the semester in which the degree programme is completed. Tuition fees are not charged for DD programme students from partnership agreements with the university. However the semester contribution needs to be paid by the students. **Appendix 1** outlines the details of registration and payment of fees.

Exams and Academic Regulations

Both universities will recognize the courses, examination results, and grades the students admitted to the DD programme have obtained at their home and host university. Details on the recognition of courses at the home university are provided as attachment (**Appendix 1**).

Degree

Students will receive the degree "Diplomingenieur/in" (Dipl.-Ing.) in "Logic and Computation" at TUW and the degree Master of Science (M. Sc.) in "Computer Science" at LUH, if they have successfully completed the DD programme. Students will be awarded two separate diplomas by the parties according to their respective regulations. Each degree certificate will state that the Master programme was completed under an agreement on a DD programme and that therefore both certificates are only valid in combination with the degree certificate of the partner institution. In addition to the degree certificate, a diploma supplement and other closing documents will be awarded the students in accordance with the regulations of the individual participating institutions. The supplement should describe, among other things, that the student has participated in an integrated double degree master programme between the participating institutions.

Other expenses

Expenses for insurance, travel, and living costs will be the responsibility of the student. Consequently, each student bears the costs incurred in the course of their studies on their own. TUW and LUH will be active in bringing scholarships to the attention of students interested in the DD programme.

Housing and Insurance

The host institution endeavours to help the student find accommodations. Each participant is required to purchase his or her own health and accident insurance. Proof of adequate insurance coverage must be submitted to the respective institution.

Guest Lectures

Both universities will encourage the integration of guest lectures offered by the partner university in the Double Degree Master programme´s curricula.

Duration of the Agreement

This agreement will remain effective for a period of five years, taking effect from the time of its signing by the representatives of both universities. Either party can terminate the agreement giving twelve months written notice. If one party elects to terminate the agreement, any student already enrolled in the DD programme at that time will be allowed to complete the programme and will be provided with the usual support and services in accordance with this agreement until graduation. Following the period of five years, the universities can review the agreement by written consent.

IN WITNESS WHEREOF, the parties hereto have offered their signatures:

Leibniz University Hannover

Prof. Dr. iur. Volker Epping
President

Prof. Dr.-Ing. Bodo Rosenhahn
Dean of the Faculty of
Electrical Engineering and Computer Science

Technische Universität Wien

Prof. Jens Schneider
Rector

Dr.in iur. Jasmin Gründling-Riener
Vice Rector of Academic Affairs

APPENDIX I to the AGREEMENT on an INTEGRATED DOUBLE DEGREE MASTER PROGRAMME in "Computer Science" and "Logic and Computation"

between

Leibniz University Hannover, Germany, through the Faculty of Electrical Engineering and Computer Science, hereinafter referred to as LUH

and

Technische Universität Wien, Österreich, through the Faculty of Informatics, hereinafter referred to as TUW

1. DD Programme – Study Plan and Academic Components

1.1. Programme Structure

During their first semester, students are enrolled at their home university, respectively attending the Master programme in "Computer Science" at LUH and "Logic and Computation" at TUW. After successful completion of the first semester´s study plan, students will continue their studies at the partner university (LUH or TUW). The participants will spend their second and third (or their third and fourth) semester at the partner institution. The study guidelines require that all students attain a total of min. 50 ECTS at the host institution.

Prior to transferring to the host university, DD students will receive a mandatory study counselling by the responsible academic representative of the home university. For the appropriate structure of the study abroad, a study plan will be compiled in consultation with the academic advisor.

Course Schedule for TUW students at LUH:
The Master programme is organized into modules; each module is a coherent cluster of varying courses offered by the teaching staff of the Faculty of Electrical Engineering and Computer Science. The modules of the individual areas of expertise can include lectures and exercises (5 ECTS), projects (6 ECTS), seminars (3 ECTS), laboratories (6 ECTS) or a combination of the above (7 ECTS or more). Usually, modules are completed with a graded examination, whereas project- and lab-modules are completed with a non-graded coursework. Details on the modules are regulated in the module catalogue of the respective study programme.

Semester	University Location / Study Programme	Course Selection	ECTS
1.	TUW (Home Track)	M. Sc. Logic and Computation: Mandatory and elective Courses*[1]	20 to 40
2.-3.	LUH (Double Degree Track)	M. Sc. Computer Science: Elective courses*[2] in the study field of: ▪ Data Science and Digital Libraries ▪ Data Base and Information Systems ▪ Natural Language Processing ▪ Machine Learning ▪ Scientific Data Management	50 to 70

		▪ Theoretical Computer Science ▪ Visual Analytics ▪ Knowledge Based Systems ▪ Studium Generale	
4.	TUW /LUH	Master´s Thesis	30
			120

Alternatively, the Double Degree Track can be completed in the third and fourth semester.

Course Schedule for LUH students at TUW:
The Master programme "Logic and Computation" is divided into examination subjects with the modules assigned to them. Students take mandatory and in-depth courses . As a rule, modules have a scope of 6 and 9 ECTS.

Semester	University Location	Course Selection	ECTS
1.	LUH (Home Track)	M.Sc. Computer Science: Freely selectable courses*2	20 -40
2.-3.	TUW (Double Degree Track)	M. Sc. Logic and Computation: Mandatory and elective courses within the examination subjects*1 ▪ Algorithms and Complexity ▪ Knowledge Representation and Artificial Intelligence ▪ Logic, Mathematics, and Theoretical Computer Science ▪ Programming Languages and Verification ▪ Transferable Skills (max. 6 ECTS)	50-70
4.	TUW/LUH	Master´s Thesis	30
			120

Alternatively, the Double Degree Track can be completed in the third and fourth semester.

1.2 Master´s Thesis

The Master´s Thesis is to be completed in the second year (fourth semester) of the DD programme at the home or partner university. It consists of the Master´s thesis itself and an accompanying defence of the thesis. If the Master's thesis is completed within the framework of the DD programme, the examination regulations of the offering party apply to admission, supervision and assessment.

2. Exams, Academic Regulations and Recognition of Courses

Details regarding examination regulations for DD programme students are covered by the relevant study and examination regulations of the respective parties. Both parties will automatically recognise the study achievements obtained at the partner university. According to the framework of the respective study programme the grades for credited examination performances will be recognized as graded achievements. Ungraded semester performances will remain ungraded. Credits obtained by LUH-students at TUW are accepted within the area of focus in Computer Science (Kompetenzbereich Informatik), whereas study achievements in the area of Transferable Skills will be accepted as Studium Generale. Credits obtained by TUW-students at LUH are accepted according to the relevant examination subjects (Prüfungsfächer), whereas study achievements in the area of Studium Generale will be accepted as Transferable Skills.

*1 https://informatics.tuwien.ac.at/master/logic-and-computation-de/

*2 https://modkat.dbs.uni-hannover.de/modkat/materialien/modkat_msc_infpo22.pdf

The students shall submit a transcript of records to the responsible academic representative at the home university after the study abroad. The host university shall communicate to the home university if the student has fulfilled all the requirements necessary to obtain the host university's Master's degree.

2.1 Grade Conversion

Grading System used at LUH		Grading System used at TUW	
Marks	**Interpretation**	**Marks**	**Interpretation**
1,0; 1,3	Very good	1	Very good
1,7; 2,0; 2,3	good	2	good
2,7; 3,0; 3,3	satisfactory	3	satisfactory
3,7; 4,0	sufficient	4	sufficient
5,0	fail	nicht bestanden	fail
bestanden	passed	bestanden	passed

3. Application, Admission, Selection

First, candidates apply for the regular Master´s programmes at the home institution. The eligibility requirements for the DD programme are the same as the requirements for admission to the M. Sc. "Computer Science" at LUH or rather to the M. Sc. "Logic and Computation" at TUW. Admission to the Master´s programme is granted to persons who have completed an academic degree (Bachelor degree or equivalent) of at least 180 ECTS credits in a corresponding field of study with appropriate success.

- LUH: The annual application deadline for programs beginning in winter/summer term is 31st of May/30th of November respectively for non-EU students and 15th of July/15th of January for EU students.
- TUW: The annual application deadline for programs beginning in winter/summer term is 28 (29) February / 30th of September.

The final decision on admission to the DD programme is made by the responsible academic representative of the home university in the course of the first semester after a personal interview. Admission is only possible for students who have fulfilled all requirements connected to their admission to the Master programme ("Auflagen"). The parties agree on and adopt common standards and procedures for application and student selection and inform each other subsequently on the number and profiles of accepted candidates.

3.1 Internal Application Procedure

Students will apply to the responsible academic representative at the home institution. Applicants will provide the required documents by a commonly announced deadline. Applicants will be informed of the nomination to the programme within six weeks of the application deadline. The selection of students will be based on their academic background and their motivation. To be admitted to the DD programme students must have completed one semester of study at their home institution.
Required Documents: Degree Certificate (B. Sc.), Transcript of Records, personal motivation letter and proof of knowledge of English, which is determined by the respective admission regulations for the subject of study of the participating institutions.

3.2 Enrolment and payment of fees and tuition

All students of the double degree programme will start their programme at their home university and therefore will be enrolled at either TUW or LUH. After the successful completion of the first semester´s study plan, they attend their second and third semester (or third and fourth semester) at the partner university. Both Parties agree that students participating in the DD programme shall be exempted from

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*2 https://modkat.dbs.uni-hannover.de/modkat/materialien/modkat_msc_infpo22.pdf

payment of any tuition fees at the host institution.

- LUH: All visiting exchange students shall pay a once-per-term fee for administrative costs, public transportation and contribution to students´ union/organisation (currently 395,89 EU, but subject to change). This fee must be paid by the exchange student at the beginning of each term. It comprises the contribution to the Studentenwerk Hannover (student services organisation), the student government (Students' Union, AStA), the semester ticket for free use of public transportation and administrative costs.
- TUW: Membership of the ÖH (the Austrian Student Union) is compulsory. The students' union fee - the so-called ÖH fee - must be paid for the first-time admission to a study programme during the admission period and for the continued registration of the study programme every semester within the continuation period. Admission and continued enrolment are only completed once the ÖH fee has been paid. The ÖH fee is not part of the tuition fee and must be paid by all students every semester without exception.

4. Quality assurance

The academic representatives are responsible for the overall quality assurance of the programme. Course evaluation is the responsibility of each partner university. Students and staff of the participating parties will engage in ongoing review and evaluation. The evaluation of courses will concentrate on objectives, content, and didactic presentation.

The appointed academic representatives will ensure the smooth execution of all necessary academic and administrative tasks related to the programme, with administrative assistance allocated by each partner university.

Signatures LUH and TUW

Leibniz University Hannover

Prof. Dr. iur. Volker Epping
President

Technische Universität Wien

Prof. Jens Schneider
Rector

Prof. Dr.-Ing. Bodo Rosenhahn
Dean of the Faculty of
Electrical Engineering and
Computer Science

Dr.in iur. Jasmin Gründling-Riener
Vice Rector of Academic Affairs

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