



Agreement of Joint Supervision on Doctoral Level - Double Degree (Cotutelle)

between the parties

Politecnico di Milano (PoliMI)

and

Norwegian University of Science and Technology (NTNU)

This agreement sets out the guidelines for the cooperation between the Norwegian University of Science and Technology and the Politecnico di Milano University and takes into account:

In consideration of article 4 of Italian Law no. 210 of 3.7.1998 concerning the regulations on Doctorate courses in Italy;

In consideration of Italian Ministerial Decree no. 224 of 30.4.1999 "Regulations on the Doctoral Research Program";

In consideration of the Regulations on Doctoral Programmes at Politecnico di Milano;

; and

In consideration of the Regulations for the Philosophiae Doctor Degree (PhD) at the Norwegian University of Science and Technology (NTNU) of 5 December 2018.

All parties shall be informed about the governing doctoral regulations at each university, particularly the amendments and/or alterations of them that are laid out in this framework agreement.

Administrative coordinator

This agreement is to be issued in **three** copies; **one** for the candidate and **one** for each of the involved Universities.

	PoliMI	NTNU
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Article I. Framework Agreement

Section 1.01 Scopes and Objectives

The aim of this Double Doctorate Degree Framework Agreement is:

- to promote and provide doctoral training programmes for PhD candidates in the scientific areas of the universities.
- to bring together the unique teaching and research features of two highly qualified universities with complementary expertise in research, teaching and contract work.
- to form the basic guidelines to support agreements for each individual Double Doctoral Candidate who is to be accepted within this Agreement.

Both Parties are free to enter similar agreements with other universities.

Section 1.02 Organization of Doctorate

The Double Degree has a duration of **three years**. Each Candidate will have a Home University and a Host University, which will jointly define the supervision of the doctorate activities prior to the beginning of the doctorate. A minimum of one year will be spent at each institution. A plan for work places and longer scientific visits is to be developed in the individual agreement for each Doctoral Candidate.

The **Home University** is **Politecnico di Milano (PoliMI)**, and is responsible for:

- handling all the administrative and financial aspects of the Doctorate Education including application and registration, annual progress reports, and defence.
- nominating a main supervisor for each Doctoral Candidate.
- employment and funding of the Doctoral Candidate throughout the Doctoral Education of three years (plus any leave of absence including military services, maternity or paternity leave).
- the defence at the end of the Doctoral Education will take place at the Home University unless otherwise is agreed upon by both parties.
- issue a Doctorate Certificate of the award of the Doctorate Degree.

The **Host University** is the **Norwegian University of Science and Technology (NTNU)**, and is responsible for:

- enrolling the Doctoral Candidate in one of their PhD programmes/PhD schools.
- nominating a co-supervisor for each Doctoral Candidate.
- making available all the facilities necessary to carry out the additional research activities as agreed with the Home University for the period of which the Doctoral Candidate is present in the Host University following up annual progress reports on equal terms as their own PhD Candidates.
- issue a Doctorate Certificate of the award of the Doctorate Degree.

Both institutions shall have access to key administrative documents, such as admission letter or invitation to the defence.

This collaboration is based on the following regulations: Regulations for doctoral students training and doctoral degrees awarding.

Section 1.03 Admission Requirements

It is a condition that the Doctoral Candidates satisfies the admission requirements at each of the two institutions and has been admitted to an approved doctoral degree programme at both institutions. The Doctoral Candidate's PhD project plan (i.e. research project, academic training programme, dissemination and residency requirements) shall satisfy the regulations of both institutions.

The following guidelines shall apply to all Candidates:

- Candidates must satisfy all doctoral admission requirements, including any language proficiency requirements specified by the funding institution(s).
- Candidates must abide by all rules and regulations pertaining to their degree program. Candidates must also abide by any other statutes, rules and regulations that apply to enrolled Candidates at an institution while at that institution.

Section 1.04 Financial Responsibilities

The funding for doctoral activity and scholarship may be supported by a national funding scheme, or the Parties may choose to offer financial support/grants/stipends to the Doctoral Candidate, or various forms of support such as, for example European Union programmes, industrial sponsorship etc.

The Doctorate Degree normally has a duration of three years and may be extended after review by the supervisors according to the rules of the Home university.

The Home University will not charge the candidate for any tuition/administrative fees.

The Host University will not charge the candidate for any tuition/administrative fees.

Both parties agree that examination reports are provided free of charge and that travel costs for supervisors are paid by the institutions or universities where they are employed, if not otherwise agreed.

Both parties agree to provide the Candidates with access to the full range of services, rights and privileges provided to its enrolled students.

Section 1.05 Intellectual Property Rights

Any intellectual property right (IPR) generated by the Doctoral Candidate in the course of the Doctorate education shall belong to the Home University regardless of whether the IPR has been generated while working at the Home University or the Host University.

Any IPR created by any of the supervisors shall belong to the Department/Institution in which the supervisor is employed.

In the event of potential commercialization of any research intellectual property, the general position is that such intellectual property will be owned equally and jointly by the institutions and the institutions shall in good faith negotiate and enter into a separate intellectual property rights agreement in accordance with the countries' legal intellectual property rights and their respective intellectual property policies of the institutions.

The parties shall write a separate agreement for works that may lead to patents.

Both Institutions have the right to use the results and the PhD thesis for the purposes of teaching and research activities with respect to national IPR laws.

Section 1.06 Assessment

All examination reports shall be written in English. The assessment committee shall be appointed by the Home University. Travelling and subsistence expenses for the Assessment Committee relating to the defence are normally to be covered by the institution where the disputation takes place (The Home University).

Section 1.07 Appointment of Assessment Committee

All members should hold doctoral degrees or equivalent qualifications, and Both genders shall be represented whenever this is possible. The assessment committee shall be composed as for (a) or (b):

- a) the Assessment Committee shall consist of a (minimum) of three members. At least one member shall come from a third country to assure an international assessment of the thesis.
- b) The Assessment Committee shall consist of (minimum) five members. The committee shall consist of one member from each of the partner universities, and three members whose main position are at institutions, which is not involved in the cooperation. At least one member shall come from a third country to assure an international assessment of the thesis.

The Assessment Committee shall avoid the possibility for a result of a hung jury.

The Assessment Committee shall work in accordance with the regulations applying at the Home University.

The Administrator of the assessment committee shall have his or her main position at the Home University. The Administrator shall bear the responsibility for summarizing and finalizing the report from the committee. The administrator may be a member of the Assessment Committee.

The supervisors shall not take part in the assessment or be members of the assessment committee. They may only be consulted to provide information about the supervision carried out and the work involved in the PhD thesis.

Section 1.08 Single Public Defence

A single public defence shall take place. If the Assessment committee consist of five member or more it is acceptable that a majority of the members are present and that the remaining members may take part by two-way video conferencing.

Both supervisors shall normally be present at the defence.

The public defence will, if possible, be video-broadcasted to a live viewing at the cooperating institution, with the possibility of instant video-conferencing and questions from both audiences.

Section 1.09 Duration of Agreement

The Doctoral Candidate is to be registered at the two institutions for the duration of the Doctorate Education.

It shall be possible to complete the research work within the period of agreement, of which a net period of 3 years is dedicated to the Doctorate Candidate's doctoral degree training. Only exceptionally may the duration be prolonged up to a maximum of 6 years. This may be done only at the request of both the principal supervisor and co-supervisor, and provided the two institutions are in favour thereof. Such a request should be made 3 months before the expiry of the period of the agreement. The decision is to be formulated in an annex to the present Agreement.

Section 1.10 Liability

The Parties shall contribute in a bona fide manner to promoting the scopes and objectives of this agreement, using their respective knowledge in the best possible way.

The Parties shall assume no liability in damages towards one another.

This Agreement may be amended by mutual consent in writing by either institution giving six months prior notice. In the event that the agreement is terminated, the exchange will continue until the final Candidate has completed the requirements for the degree.

Section 1.11 Disputes

Any dispute arising between the Parties in connection with this agreement, including its interpretation and use, which cannot be settled amicably by negotiation between the parties, shall be tried by the ordinary courts at the doctoral candidate's Home University in accordance with the national laws of the defendant.

Article II. Individual Agreement

Section 2.01 PhD Candidate

The Parties shall cooperate in respect of the academic training for:

Ogut Ozge

Doctoral Candidate whose research topic of the PhD thesis is:

Simultaneous Interaction of Urban, Health, and Environment: Sustainability of Vertical Green Structures in Urban Scale in Changing Environment

The PhD project is part of a research co-operation between:

the Department of Mechanical and Industrial Engineering at NTNU-MTP and the Department of Architecture, Construction Engineering and Built Environment at PoliMI on Vertical Green Wall Research.

Section 2.02 Funding

The Joint Doctoral Candidate's Doctorate Education is financed by:

POLIMI for the period from: 01.11.2020 for 36 months

Section 2.03 Admission

It is a condition that the Doctoral Candidate satisfies the admission requirements at each of the two institutions and has been admitted to an approved doctoral degree programme at both institutions. The Doctoral Candidate has been admitted to:

- the doctoral training programme at:
Faculty, NTNU, by decision of 06.09.22
- the doctoral training programme at:
PhD School, Politecnico of Milano, by decision of 01.11.2020

The candidate's programme (project, theoretical syllabus etc) shall satisfy the regulations/doctoral degree programme of both institutions. The study plan and research to be conducted is indicated in the individual doctoral agreement signed with the host institution.

Section 2.04 Supervision

The supervisors undertake to perform joint exercise of their advisory function in respect of the Doctoral Candidate with the current regulations at each institution. They also undertake to consult each other regularly concerning the progress of the research work.

The Doctoral Candidate shall have at least one supervisor at each institution. Both supervisors are responsible for the progress of the doctoral degree work.

Home University:

Associate Professor Julia Tzortzi, PhD

Host University:

Professor Chiara Bertolin, PhD

Section 2.05 Residency and Research Periods at the Institutions

The Doctoral Candidate shall spend at least one year in total at each of the Universities.

The Doctoral Candidate has made preliminary plans to spend time at the institutions in the following manner:

PoliMI from 01.11.2020 to 14.08.2022

NTNU from 15.08.2022 to 15.09.2023

PoliMI from 16.09.2023 to 31.10.2023

Changes may occur in these plans; however, the residence period cannot be changed to less than one year spent in each of the institutions. Residency requirements may be reduced by application.

Section 2.06 Work Space

The Doctoral Candidate is entitled to a work space at both institutions in those periods when he/she is present there. A description of specific needs at each institution should be annexed to this Agreement.

Section 2.07 Reporting

The Doctoral Candidate and supervisors shall deliver separate reports on progress to both institutions according to standard procedures at the Home University and the Host University.

Section 2.08 PhD Thesis

The thesis shall be submitted in the standard design of the Home University and assessed according to the regulations of the Home University. The PhD thesis shall be written and defended in English.

The research conducted and the resulting doctoral work is expected to reflect the added value derived from the research artistic work and from the supervision by advisors of the two universities. The Double Degree universities shall be clearly stated on the cover/title page of the PhD thesis.

Both institutions take cognizance of the fact that no restrictions may be placed on the making public and publishing of the results or of the PhD thesis. If the Doctoral Candidate is the sole author/artist of the PhD work, he or she alone has the copyright to the work. If the PhD work consists of a collection of articles/art, the Doctoral Candidate alone will have the copyright to those parts that are the result of his or her independent effort.

Section 2.09 Doctoral Examination

The Doctoral Examination is planned to take place at: **Politecnico di Milano (PoliMI)**

The PhD thesis shall be defended at a single public defence. After the scientific thesis or the artistic doctoral work has been submitted for evaluation, the candidate must hold a trial lecture or equivalent artistic presentation, both on an assigned topic. This is an independent part of the doctoral examination. The purpose is to test candidates' ability to acquire knowledge beyond the topic of their speciality and ability to convey this knowledge in a lecture setting or other relevant form of dissemination.

The PhD thesis shall be defended at a single public defence.

Section 2.10 Award of the Degree

The two institutions will in case of a successful completion of the Doctoral Examination, award respectively the ***Dottore di Ricerca in Architettura Ingegneria delle Costruzioni e Ambiente Costruito*** at **Politecnico di Milano (PoliMI)** and the degree of ***Philosophiae Doctor*** at **Norwegian University of Science and Technology** to the Doctorate.

The Diploma (Certificate) will be issued by each of the parties according to the templates applied at each University. The contribution by the cooperating institution shall be explicitly stated in the Certificate.

Section 2.11 Signatures

PhD candidate

Date:

PoliMi

Main supervisor

Date

Dean

Date

Rector

Date

NTNU

Co-supervisor

Date

Dean

Date

Rector

Date