



Isfahan University of Technology

## CO-TUTELLE AGREEMENT ON CO-SUPERVISION IN DOCTORAL EDUCATION

Between

**POLITECNICO DI TORINO**

with registered office in Torino, Italy, Corso Duca degli Abruzzi 24, represented by the Director of its Doctoral School, Prof. Eugenio Brusa, hereinafter referred to as the Host Institution.

and

**Isfahan University of Technology**

with registered office in in Isfahan. I.R. Iran, Esteghlal Blvd., represented by Prof. Mohammad Reza Taban, Director of Centre of Graduate Studies, hereinafter referred to as the Home Institution.

- Having regard to article 19 of Italian Law no. 240 of 30.12.2010 concerning the regulations on Doctoral Research Programmes in Italy;
- having regard to Italian Ministerial Decree no. 45 of 08.02.2013;
- having regard to the Regulations for Doctoral Research Programmes of Politecnico di Torino and in particular article 17;
- having regard to the positive opinion of the Commission for co-tutelle agreements of Politecnico di Torino;
- having regard to the Regulations of the Politecnico di Torino on Intellectual and Industrial Property issued by Rector's Decree no. 299 dated 22.07.2007;
- having regard to the Isfahan University of Technology Regulations concerning pre-doctoral studies and the doctoral qualifying examination; doctoral research and the doctoral dissertation defence; the doctoral programme at Isfahan University of Technology, approved by the University Planning Council on 8.12.2010, no. 21/57209 and revised by the Electrical Engineering Postgraduate Academic Council on 24.07.2011, no. 367;

In order to foster the growth of the European Higher Education and Research Area and develop scientific cooperation between Italian and foreign teams, the partner Institutions make this **co-tutelle agreement** for joint academic supervision and cooperation on the education of the following doctoral candidate:

### **Name of Candidate**

Home Institution: Department of Electrical and Computer Engineering, Isfahan University of  
**Technology (IUT)**



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## Article 1 – Objective of the Agreement

A co-tutelle is an agreement between Politecnico di Torino and a non-Italian third level Institution for academic co-supervision and joint educational cooperation, with the objective of awarding the doctoral candidate a doctoral degree from both Institutions.

A co-tutelle agreement must be based on stable, academic institutional cooperation. The cooperation undertaken by both Institutions with this agreement is inspired by the Salzburg principles and Recommendations on doctoral education as a key point for the training and supervision of doctoral candidates.

This agreement defines the responsibilities, rights and obligations of the Partner Institutions concerning enrolment, supervision, academic requirements and evaluation of the candidate's doctoral thesis. Nothing in this agreement shall override national legislation, binding guidelines concerning doctoral education and institutional regulations on doctoral training and the conferral of doctoral degrees.

## Article 2 – Registration

**Name of Candidate** is a doctoral candidate at Isfahan University of Technology within the framework of the Doctoral Research Programme ELECTRICAL ENGINEERING-COMMUNICATIONS-FIELDS AND WAVES since 23/09/2015.

Under this agreement **Name of Candidate** shall be a doctoral candidate at Politecnico di Torino within the framework of the Doctoral Research Programme in ELECTRICAL, ELECTRONICS AND COMMUNICATIONS ENGINEERING.

The doctoral candidate is required to re-enrol annually in both Institutions at the beginning of each academic year.

Politecnico di Torino undertakes to offer a full tuition fee waiver to the doctoral candidate, except for Extra-poli fees (fees collected by Politecnico and transferred to other institutions).

## Article 3 – Supervision

The doctoral candidate conducts his/her research under the supervision of:

Prof. Flavio Canavero, Professor at Politecnico di Torino

and

**Name of Supervisor at IUT**, Assistant Professor at Isfahan University of Technology

Both Supervisors undertake to co-supervise the doctoral candidate **Name of Candidate** and constantly monitor his academic progress; they commit to a common effort and agree to communicate regularly with one another in order to evaluate the progress of the doctoral candidate's research project.



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Should one of the two Supervisors leave his Institution, standard institutional procedures must be followed to find a replacement Supervisor and the other Supervisor is involved in this process. This agreement shall not be amended if one of the two Supervisors is replaced but this fact must be communicated to both partner Institutions in writing.

The partner Institutions undertake to cooperate closely in fostering the implementation of doctoral training. They are bound to inform each other on all matters of importance for the implementation of doctoral training. They also agree to cooperate actively to find solutions to problems that might arise.

#### **Article 4 – Duration and Requirements**

The doctoral candidate must be enrolled in a Doctoral Research Programme with minimum 3-year duration.

The doctoral candidate is required to spend a study/research period at each partner Institution, under the supervision of at least one Supervisor from each Institution, who shares responsibilities with the other Supervisor.

The study/research period has a minimum duration of:

- 12 months of effective presence at Politecnico di Torino, the Host Institution
- 24 months of effective presence at the Isfahan University of Technology (IUT), the Home Institution

The above-mentioned period may be made up of separate visits and shorter periods of stay at both Institutions after this agreement has been signed. The periods are counted from the date of enrolment.

The doctoral candidate is entitled to have a suitable workplace in both Institutions for the entire duration of his/her study and research period. The doctoral candidate has the right to access the necessary facilities such as laboratories, libraries etc.

At the end of each visit, the doctoral candidate submits a written report on the activities undertaken up to that moment and informs the Supervisors on the progress of his/her doctoral studies.

Courses (if any) as well as other study and research activities of the doctoral candidate must meet the requirements of the two programmes in which he is enrolled. They are governed by the regulations in force within both Institutions (See Annex 1).

The Academic Board of Politecnico di Torino and the Academic Board of the Partner Institution monitor the progress of the research project and decide on the admission of the doctoral candidate to the next year of the programme.



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A negative opinion of the Academic Board of Politecnico di Torino entails forfeiture of the doctoral candidate from the programme. In this case the Doctoral School of Politecnico di Torino informs the Partner Institution in writing and this agreement will no longer be enforceable.

Similarly, at the Partner Institution, a negative opinion of the Academic Board informs the Doctoral School of Politecnico di Torino in writing and this agreement will no longer be enforceable.

### **Article 5 – Personal Expenses**

The doctoral candidate is expected to cover his/her own travel and subsistence expenses as required by his/her research and study plan including the costs related to the thesis oral defence.

The doctoral candidate is responsible for all procedures and fees related to his visa and health insurance. The health insurance must be valid for the whole duration of the doctoral candidate's stay in the foreign country.

The doctoral candidate is insured under a civil liability insurance policy in Italy, signed by the Home Institution.

### **Article 6 – Oral defence and degree conferral**

The doctoral candidate is required to write his doctoral thesis in both English and Persian. The thesis must be accompanied by an abstract written in English/Italian/Persian.

As a general rule, the doctoral candidate is expected to defend his thesis at the Home Institution during academic year 2021/2022

Before the oral defence, the doctoral thesis is evaluated by two external referees who do not pertain to any of the two Institutions and must have research supervision accreditation. The referees' evaluations are an integral part of the documentation for the final assessment.

Each Institution decides on the admission of the doctoral candidate to the oral defence.

The procedures and rules for the oral defence are those in force at the Home Institution. The doctoral candidate is required to present his oral defence in English.

The members of the examination board are appointed by the two partner Institutions. The examination board is composed of at least five members, three of which must be Italian or international professors/doctoral researchers from higher education or research Institutions. The Supervisors can take part in the oral defence as aggregate members with or without the right to vote, in addition to the ordinary examination board members, depending on the grading policies at each of the partner institutions. Therefore, the doctoral thesis and its relevant oral defence receives two evaluations in accordance with the potentially different grading regulations at the two partner institutions.

Travelling and subsistence expenses incurred to attend the oral defence by the examination board members (up to 5 persons) must be borne by the Institution where the



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oral defence takes place. If appropriate arrangements for travelling and/or covering its expenses were not feasible at the time, attending the oral defence by means of video conference would be alternatively acceptable.

The Institution where the oral defence takes place is responsible for sending the oral defence documents to the partner Institution together with the minutes of the oral defence (when applicable).

Upon approval of the doctoral thesis during the oral defence, the doctoral candidate is awarded his doctoral degree - in which the doctoral thesis co-supervision must be mentioned - by the two Institutions:

- Politecnico di Torino awards the doctoral degree in ELECTRICAL, ELECTRONICS AND COMMUNICATIONS ENGINEERING.
- Isfahan University of Technology awards the doctoral degree in ELECTRICAL ENGINEERING-COMMUNICATIONS-FIELDS AND WAVES.

#### **Article 7 – Submission, Formatting and Reproduction of the doctoral thesis**

The doctoral candidate is expected to adhere to the rules on thesis formatting and submission adopted by the Institution where the oral defence takes place.

Any reproduction of the doctoral thesis must comply with the legislation in force in both countries.

In accordance with Italian law, at Politecnico di Torino, doctoral theses are subject to mandatory digital deposit on the IRIS institutional archive.

In the case of Iran, in accordance with national legislation, doctoral theses are subject to mandatory digital deposit on the Iranian institute Irandoc and the Central library of Isfahan University of Technology.

#### **Article 8 – Industrial and Intellectual Property Rights**

The Industrial Property Rights to Results, as well as the Intellectual Property Rights to computer programmes and works of industrial design, achieved by the Doctoral candidate within the scope of the doctoral activity object of this Agreement, shall belong jointly to the Host Institution and the Home Institution in equal measure, unless it is possible to agree, in writing during the activity, to a change in the share of joint ownership, in consideration of the contributions of each of the Parties in the invention, without prejudice to the assignment of the moral rights to the inventor in accordance with current legislation.

The Parties will agree in a separate document the specific rules for governing the methods of managing joint-ownership rights and commercial exploitation, provided that costs and expenses will be equally shared between the Parties, or on the basis of the share of ownership of each Party in the rights referred to in the previous paragraph.

All the procedures have to guarantee to the Doctoral candidate the publication of his works and the defense of the doctoral thesis.



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Each Party owns the Industrial and Intellectual Property Rights to its own *Background*<sup>1</sup> and to its own *Sideground*.<sup>2</sup>

The Parties agree that nothing included in this Agreement implies, directly or indirectly, the transfer of any right regarding its own Background and its own Sideground.

### **Article 9 – Expiration Date and Amendments**

This agreement shall enter into force on the date of the last signature and expire in three years.

The maximum length of this agreement is four years including the oral defence and it cannot be renewed.

Any amendment to this agreement, with the exception of the project schedule and the replacement of a Supervisor, must be in writing and signed by the same signatories of this agreement.

In the event that the doctoral candidate is not awarded his doctoral degree by the time this agreement expires, the doctoral degree is conferred on the doctoral candidate (if eligible) by the Home Institution only.

Both Institutions have the right to terminate this agreement for compelling reasons. The termination may be announced at any moment, unilaterally, by writing to the other Institution and to the doctoral candidate. In such an event, this agreement is no longer enforceable, and the doctoral degree is conferred on the doctoral candidate (if eligible) by the Home Institution only.

Furthermore, this agreement may be terminated by mutual consent of the two Institutions in the event that the doctoral candidate is in serious and on-going breach of regulations of both Institutions.

This agreement shall be automatically terminated if the doctoral candidate withdraws from the co-tutelle programme or from doctoral studies.

### **Article 10 – Settlement of Disputes and Applicable Law**

Any dispute arising out or in connection with this agreement shall be settled, if possible, through good faith negotiations between the Supervisors and the authorities of each Institution. In the event of non-resolution, disputes shall be referred to mediation facilitated by the Director of the Doctoral School of Politecnico di Torino and the Director of Centre of Graduate Studies of Isfahan University of Technology.

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<sup>1</sup> “Background” means: “all the knowledge and information, as well as all intangible goods, protected in accordance with national, EC and international regulations regarding intellectual and industrial property, implemented or nevertheless achieved by a party before the start of the activity covered by this agreement”

<sup>2</sup> “Sideground” means: “all the knowledge and information as well as all intangible goods protected in accordance with national, EC and international regulations regarding intellectual and industrial property, implemented or, nevertheless, achieved by a party during the validity of the agreement, but not during the execution thereof”.



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## Signatures

This agreement is made in 3 (three) original copies in English - with 1 (one) copy for each Institution and 1 (one) copy for the doctoral candidate.

Politecnico di Torino

Isfahan University of Technology

In Torino, 5/ October / 2020

In Isfahan, April 25, 2020

Prof. Eugenio Brusa  
**Director of the Doctoral School**

Prof. Mohammad Reza Taban  
**Director of Centre of Graduate Studies**

Prof. Stefano Grivet Talocia  
**Director of the Doctoral Research  
Programme on Electrical, Electronic and  
Communication Engineering**

Dr. Gholamreza Yousefi  
**Director of Centre of Graduate Studies in  
Electrical and Computer Engineering**

Prof. Flavio Canavero  
**Thesis Supervisor**

Signature of Supervisor at IUT

Name of  
**Thesis Supervisor**

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Name of  
**Doctoral Candidate**

Signature of Doctoral Candidate





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## Annex 1 – Research and Study Plan of the doctoral candidate

### I – Personal information

Identification:	
Doctoral candidate's name	Mostafa Sedaghat
Date of birth	June 06, 1985
Nationality	Iran
E-mail	mostafa.sedaghat@ec.iut.ac.ir
Previous Degree (for admission to the Doctoral Research Programme)	Master of Science in Electrical Engineering
Doctoral Thesis title	Modelling of High-speed Interconnects in the microwave band using macromodeling approach

### II – Learning Goals

	Politecnico di Torino	[Home Institution]
<b>Training requirements</b>	100 hours hard skills courses 40 hours soft skills courses	18 Units hard skills courses Comprehensive Examination
<b>Research requirements</b>	1 publication in an international journal	1 publication in an ISI journal
<b>Language skills</b>	A1 level Italian language course (only for international doctoral candidates)	English proficiency (MSRT exam)

List any degree requirements beyond the doctoral thesis for the home and host Institutions (specific courses, comprehensive examinations, etc.).

### III – Draft Schedule

Draft schedule of study/research period:

At Politecnico di Torino:

- 9/2019 to 9/2020

At Isfahan University of Technology:

- 9/2015 to 9/2019
- 9/2020 to 9/2021

The study/research schedule can be modified in accordance with the practical needs or opportunities deriving from the research project.





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At the end of each period, the doctoral candidate submits a written report on the activities undertaken up to that moment and informs the Supervisor on the progress of his/her doctoral studies.

### **Contacts:**

#### Politecnico di Torino

Scuola di Dottorato, Corso Duca degli Abruzzi 24 – 10129 Torino (Italy)

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Rif: Irene Gino

Supervisor contacts: Prof. Flavio Canavero

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#### Isfahan University of Technology

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– Rif::

supervisor contacts: [Name of Theses Supervisor at IUT](#)

e-mail:

tel: