



## GENERAL INFORMATION

Applicant	Last name(s)	Antona		
	First name(s)	Héctor	Sex	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female
	Date of birth	05/28/1999	Nationality	Spain
	Study Cycle <sup>1</sup>	EQF level 6		

Sending Institution	Universitat Politècnica de Catalunya (UPC)			
	Faculty/Department	Centre de Formació Interdisciplinària Superior (CFIS)		
	Address	C/ Pau Gargallo, 14. Edifici U. CP: 08028 Barcelona	Country	Spain
	Contact person name <sup>2</sup>	Loli Hernández Esquivel		
	Position	Administrative Assistant for International Mobility (CFIS)		
	Phone	+34 934010784	e-mail:	<a href="mailto:cfis.relacions.internacionals@upc.edu">cfis.relacions.internacionals@upc.edu</a>

Receiving Organization/Enterprise	Name of host institution	Northeastern University		
	Department	Electrical and Computer Engineering		
	Address	360 Huntington Avenue		
	City	Boston, MA	Country	USA
	website	<a href="http://www.ece.neu.edu">www.ece.neu.edu</a>		
	Size of organisation/enterprise	<input type="checkbox"/> >250 employees <input type="checkbox"/>		
	Contact person name <sup>3</sup>	Deniz Erdogan		
	Position	Professor and Associate Chair for Research		
	Phone	+1-617-3733021	e-mail:	<a href="mailto:erdogan@ece.neu.edu">erdogan@ece.neu.edu</a>
	Mentor name <sup>4</sup>	Deniz Erdogan		
	Position	Professor		
	Phone	+1-617-3733021	e-mail:	<a href="mailto:erdogan@ece.neu.edu">erdogan@ece.neu.edu</a>



## BEFORE THE MOBILITY

Table A - Traineeship programme at the Receiving Organisation/Enterprise

Planned period of the mobility	From: 02/2022	to: 07/2022	Number of working hours per week	40
	(month/year)	(month/year)		
<b>Traineeship programme</b>				
<p>My research program will focus on applications of machine learning to physiological data analysis under the advisement of Professor Deniz Erdogan. I'll complete this program in the Department of Electrical and Computer Engineering at the College of Engineering at Northeastern University's Boston Campus. This program will correspond to my Final Degree Project, completing my study program at the Interdisciplinary Higher Education Centre (CFIS) of Universitat Politècnica de Catalunya (UPC) where I've followed the following degrees: Informatics Engineering (FIB) and Telecommunications Engineering (ETSETB).</p>				
<b>Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes)</b>				
<p>In order to complete the program, it will be required knowledge about data processing, machine and deep learning techniques and python as programming language. These skills have been acquired while coursing both degrees, courses taken in UPC, Internship in the Computer Architecture department in UPC and Internship in Bamboo Energy (start-up). Once completed the program, I will expand my machine and deep learning techniques knowledge and acquire experience with physiological data treatment. This will contribute and boost all knowledge gathered until now while coursing both degrees and will be strongly related with the specific subjects chosen in them.</p>				
<b>Monitoring plan (brief description)</b>				
<p>The monitoring plan will consist of regular sessions with Professor Deniz Erdogan. There will also be a constant monitorization by Professor Deniz Erdogan's supervised team that I will be working with while developing the project. This work performed within this project will be later explained and presented into a final report.</p>				
<b>Evaluation plan (brief description)</b>				
<p>The evaluation plan will consist of an oral presentation at the destination at the end of the traineeship where it will be evaluated both my work as well as my presentation skills.</p> <p>Professor Deniz Erdogan will write a final assessment report. It will be sent to the UPC for evaluation. This assessment, together with all my work gathered into a final report, will be used by a UPC committee to grade my performance during the program.</p>				

Main language of work: English

The level <sup>5</sup> of language competence that the trainee already has or agrees to acquire by the start of the mobility period is	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A1	A2	B1	B2	C1	C2	Native speaker



## Table B – Sending Institution

(please use only **one** of the following three boxes)

1. The traineeship is **embedded in the curriculum** and upon satisfactory completion of the traineeship, the institution undertakes to:

Award ECTS <sup>6</sup> credits (or equivalent):	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Not applicable to PhD level)
If yes, please indicate the number of credits:	36 ECTS
Give a grade based on: (Not applicable to PhD level)	Traineeship certificate <input type="checkbox"/> Final report <input checked="" type="checkbox"/> Interview <input type="checkbox"/>
Record the traineeship in the trainee's Transcript of Records:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Record the traineeship in the trainee's Diploma Supplement (or equivalent):	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

2. The traineeship is **voluntary** and, upon satisfactory completion of the traineeship, the institution undertakes to:

Award ECTS credits (or equivalent):	Yes <input type="checkbox"/> No <input type="checkbox"/> (Not applicable to PhD level)
If yes, please indicate the number of credits:	
Give a grade: (Not applicable to PhD level)	Yes <input type="checkbox"/> No <input type="checkbox"/>
If yes, give a grade based on:	Traineeship certificate <input type="checkbox"/> Final report <input type="checkbox"/> Interview <input type="checkbox"/>
Record the traineeship in the trainee's Transcript of Records:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Record the traineeship in the trainee's Diploma Supplement (or equivalent):	Yes <input type="checkbox"/> No <input type="checkbox"/>

3. The traineeship is carried out by a **recent graduate** and, upon satisfactory completion of the traineeship, the institution undertakes to:

(Not applicable to PhD level)

Award ECTS credits (or equivalent):	Yes <input type="checkbox"/> No <input type="checkbox"/>
If yes, please indicate the number of credits:	



Accident insurance for the trainee (if not provided by the Receiving Organisation/Enterprise)

<b>The Sending Institution will provide an accident insurance to the applicant:</b>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<b>If yes, The accident insurance covers:</b>	accidents during travels made for work purposes:	Yes <input type="checkbox"/> No <input type="checkbox"/>
	accidents on the way to work and back from work:	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>The Sending Institution will provide a liability insurance to the applicant (except USA, Canada and Mexico):</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

The trainee has to hire an insurance policy that covers accidents for the entire training period if it is required by the receiving organisation/enterprise rules or country legislation.

### Table C – Receiving Organisation/Enterprise

<b>The Receiving Organisation/Enterprise will provide financial support to the applicant for the traineeship:</b>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, amount (EUR/month):		
<b>The Receiving Organisation/Enterprise will provide a contribution in kind to the applicant for the traineeship:</b>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
If yes, please specify:		<b>Access to campus resources with affiliation ID card</b>
<b>The Receiving Organisation/Enterprise will provide appropriate support and equipment to the applicant.</b>		
<b>Upon completion of the traineeship, the Organisation/Enterprise undertakes to issue a Traineeship Certificate within 5 weeks after the end of the traineeship.</b>		

Accident insurance for the trainee

<b>The Receiving Organisation/Enterprise will provide an accident insurance to the applicant (if not provided by the Sending Institution):</b>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<b>If yes, the accident insurance covers:</b>	accidents during travels made for work purposes:	Yes <input type="checkbox"/> No <input type="checkbox"/>
	accidents on the way to work and back from work:	Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>The Receiving Organisation/Enterprise will provide a liability insurance to the applicant (if not provided by the Sending Institution):</b>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>



## Higher Education Learning Agreement for Traineeships

Student name

.....Héctor.Antona....


Programme: .....UPC-USA.....

Academic Year  
2021/2022

### Commitment

By signing this document, the applicant, the Sending Institution and the Receiving Organisation/Enterprise confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. The applicant and Receiving Organisation/Enterprise will communicate to the Sending Institution any problem or changes regarding the traineeship period. The Sending Institution and the applicant should also commit to what is set out in the agreement. The institution undertakes to respect all the principles agreed in the partnership agreement.

With his or her signature, the Mobility coordinator confirms that the stay is appropriate for the study programme.

<b>Applicant</b>	Name	Héctor Antona	 signature
	e-mail	<a href="mailto:hector.antona@gmail.com">hector.antona@gmail.com</a>	
	Position	Applicant	
	Date	01/11/2022	
<b>Responsible person <sup>7</sup> at the Sending Institution (CFIS-UPC)</b>	Name	Antonio Pascual Iserte	 signature
	e-mail	<a href="mailto:cfis.sotsdireccio.mobilitat@upc.edu">cfis.sotsdireccio.mobilitat@upc.edu</a>	
	Position	Assistant director for international mobility	
	Date	17 January 2022	
<b>Supervisor <sup>8</sup> at the receiving organisation /enterprise</b>	Name	Deniz Erdogmus	 Signature
	e-mail	<a href="mailto:erdogmus@ece.neu.edu">erdogmus@ece.neu.edu</a>	
	Position	Professor	
	Date	13 January 2022	



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<sup>1</sup> **Study cycle:** Short cycle (EQF level 5) / Bachelor or equivalent first cycle (EQF level 6) / Master or equivalent second cycle (EQF level 7) / Doctorate or equivalent third cycle (EQF level 8).

<sup>2</sup> **Contact person at the sending institution:** person who provides a link for administrative information and who, depending on the structure of the higher education institution, may be the departmental coordinator or works at the international relations office or equivalent body within the institution.

<sup>3</sup> **Contact person at the Receiving Organisation:** a person who can provide administrative information within the framework of traineeships.

<sup>4</sup> **Mentor:** the role of the mentor is to provide support, encouragement and information to the applicant on the life and experience relative to the enterprise (culture of the enterprise, informal codes and conducts, etc.). Normally, the mentor should be a different person than the supervisor.

<sup>5</sup> **Level of language competence:** a description of the European Language Levels (CEFR) is available at: <https://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>.

<sup>6</sup> **ECTS credits or equivalent:** in countries where the "ECTS" system it is not in place, in particular for institutions located in Partner Countries not participating in the Bologna process, "ECTS" needs to be replaced in all tables by the name of the equivalent system that is used and a web link to an explanation to the system should be added.

<sup>7</sup> **Responsible person at the sending institution:** this person is responsible for signing the Learning Agreement, amending it if needed and recognising the credits and associated learning outcomes on behalf of the responsible academic body as set out in the Learning Agreement. The name and email of the Responsible person must be filled in only in case it differs from that of the Contact person mentioned at the top of the document.

<sup>8</sup> **Supervisor at the Receiving Organisation:** this person is responsible for signing the Learning Agreement, amending it if needed, supervising the trainee during the traineeship and signing the Traineeship Certificate. The name and email of the Supervisor must be filled in only in case it differs from that of the Contact person mentioned at the top of the document.