

Learning Agreement Erasmus+ Student Mobility for Studies

Higher Education: Learning Agreement form Student's name Academic Year 20.../20...

	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	VIOLA	PIERLUIGI	08/02/1995	ITALY	М	FIRST CYCLE – BACHELOR DEGREE	Mechanical engeneering
Sending	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact per	son name ⁵ ; email; phone
Institution	POLITECNICO DI BARI	INGEGNERIA MECCANICA	IBARI05	VIA AMENDOLA 126/B – 70126 BARI	ITA		g. Pietro De Palma depalma@poliba.it
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact pe	rson name; email; phone
Receiving				Campus Diagonal Besòs, Edifici A (EEBE). C. Eduard Maristany, 10-14		1	Gemma Fargas national Coordinator
Institution	UPC	EEBE	EBARCELONA03	08019 Barcelona	Spain		litat.eebe@upc.edu 934137407/934137351

Before the mobility

Study Programme at the Receiving Institution Planned period of the mobility: from [month/year] \(\Omega \text{9.1.48}\). to [month/year] \(\Omega \text{2.1.49}\)								
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion				
	820006	Informàtica	AUTUMN	6				
	820423	Elasticitat	AUTUMN	6				
	820428	Estructures i Construccions Industrials	AUTUMN	6				
	820011	Ciència i Tecnologia de Materials	AUTUMN	6				
	295504	FENÒMENS DEL TRANSPORT	AUTUMN	6				
				Total: 30				

[indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: AI 🗌 AZ 🗍 BI 🗍 BZ 🗍 CI The level of language competence9 in C2 Native speaker

Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent to be recognised by the Sending Institution
	2012	FONDAMENTI DI INFORMATICA	AUTUMN	6
	2013	SCIENZA DELLE COSTRUZIONI	AUTUMN	12
	2466	TECNOLOGIA GENERALE DEI MATERIALI	AUTUMN	6
		ESAME A SCELTA	AUTUMN	6
	Ì			Total: 30

Commitment

Ommitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Beneficiary Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits or equivalent units gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	PIERLUIGI VIOLA	Gigiviola02@gmail.co m	Student	29/06/2018	Halue Wil
Responsible person ¹⁰ at the Sending Institution	Prof. Ing. Pietro De Palma	pietro.depalma@poli ba.it	Erasmus departemental coordinator	29/06/2018	Meldre
Responsible person at the Receiving Institution ¹¹					

Andrea ANTONACI Academic Year 2018/2019

Student	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	ANTONACI	ANDREA	13/05/1997	ITALY	м	1" Cycle	0710
Sending	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact per	rson name ⁵ ; email; phone
Institution	POLITECNICO DI BARI	Mechanical Engineering - DMMM	IBARIO5	Via Amendola, 126/B 70126 BARI	ITA	2.2	ETRO DE PALMA o.depalma@poliba.it
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact pe	rson name; email; phone
Receiving Institution	UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA	Mechanical engineering	E LASPALO1	C/ Juan de Quesada, 30 35001 Las Palmas de Gran Canaria	SPA		

Before the mobility

	Study Programme at the Receiving Institution									
	Planned period of the mobility: from SEPTEMBER/2018 to FEBRUARY/2019									
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion						
	44524	DISENO ASISTIDO EN INGENIERIA MECANICA	AUTUMN	4,5						
	44525	FUNDAMENTOS DE DISENO DE MAQUINAS	AUTUMN	4,5						
	44537	ANTEPROYECTO EN INGENIERIA MECANICA	AUTUMN	3						
	42742	GESTION DE LA CALIDAD, DEL MEDIO AMBIENTE Y DE LA PREVENCION DE RIESGOS LABORALES	AUTUMN	6						
	44536	INSTALACIONES INDUSTRIALES PARA INGENIERIA MECANICA	AUTUMN	6						
	42724	ORGANIZACION DE LA PRODUCION	AUTUMN	6						
				Total: 30						

en-ingenieria-mecanica#plan-de-estudios

The level of language competence in SPANISH [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 \square A2 \square B1 \square B2 \square C1 \square C2 \square Native speaker \square

		Recognition at the Sendin	g Institution	
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
	2076	MECCANICA DEI MATERIALI E PROGETTAZIONE MECCANICA I		12
	2083	IMPIANTI MECCANICI I		6
		ESAME A SCELTA		6
		ESAME A SCELTA		6
				Total: 30

laurea?course_id=10026&year_rule=2018&specialisation_id=10000&idCorsoCode=LT31/2015

Commitment

By signing this document, the Student, the Sending Institution and the Receiving Institution confirm that they inprove the Learning Agreement and flat they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmia Sharter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Parties Countries). The Sending Institution and the student should also commit to what is set out in the Erasmias grammar agreement. The Receiving Institution commits to recognise all the exact and in the Erasmias grammar and agreed in the Inter-Institution for the Erasmias to the Student. The Sending Institution commits to recognise all the exact side parties. The Student and an annes of this Learning Agreement and agreed by all parties. The student and the Receiving Institution on the Student and an annes of this Learning Agreement and agreed by all parties. The student and the Receiving Institution on the Student and Student and

Commitment	Name	Email	Position	Date	Signature
Student	ANDREA ANTONACI	a.antonaci2@studenti.poliba.it	Student	16.07.2018	Andero Enstruci
Responsible person ¹⁰ at the Sending Institution	PIETRO DE PALMA	pietro.depalma@poliba.it	Erasmus Departmental Coordinator	16.07.2018	Meldre
Responsible person at the Receiving Institution ¹¹					

	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	Nitti	Roberto	01/09/1995	Italian	М	2 nd cycle	0715
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country		on name ⁵ ; email; phone
Sending		Facoltà di ingeneria, dipartimento				Pi	aprtmental Coordinator: etro De Palma depalma@poliba.it
Institution	POLITECNICO DI BARI	meccanica e management	IBARI05	Via Amendola,126/B 70126 Bari	ITA		9 080 596 3226
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact per	son name; email; phone
Receiving Institution	ENSAM	MECHANICAL ENGINEERING	F PARIS62	151 Boulevard de l'Hopital,75013 Paris France	FRA	Ricardo	cardo Noguera . <u>noguera@ensam.eu</u> 3-{0}1.44.24.37

Before the mobility

		Study Programme at the Rece Planned period of the mobility: from [month/yea	riving Institution r] 09/2018 to [month/year] 09/2019
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion
	SAE01	Fondements de l'Efficacité Energétique	autumn	6
	5AE13	Management stratégique et langue étrangère	autumn	6
	5AE06	Systèmes réactifs, turbulence et transferts, applications à la propulsion terrestre et aéronautique	autumn	6
	5AE11	Systèmes Energétiques Efficients	autumn	6
	5AE12	Optimisation des Performances des Turbomachines	autumn	6
	5AE50	Stage recherche d'un semestre (1)	spring	30
				Total: 60

Web link to the course catalogue at the Receiving Institution describing the learning outcomes: http://dynfluid.ensam.eu/ingenierie-des-machines-outcomes 104835.kjsp?RH=1415871365373

The level of language competence in French [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 🗆 A2 □ B1 □ B2 □ C1 □ C2 □ Native speaker □

		Recognition at the Se	nding Institution	
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
	2320	IMPIANTI MECCANICI II	autumn	6
	2318	DINAMICA E CONTROLLO DELLE MACCHINE	autumn	6
	2947	TECNOLOGIE PER LE ENERGIE RINNOVABILI E LA PRODUZIONE DISTRIBUITA DELL'ENERGIA	spring	12
	2023	TIROCINIO	spring	6
	2948	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI	autumn	6
		ESAMI A SCELTA	spring	66
		ESAMI A SCELTA	spring	6
	2024	DOCUM SINALE	spring	12

Provisions applying if the student does not complete successfully some educational components: [web link to the relevant information]

Commitment

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Commitment	Name	Email	Position	Date	Signature
Student	Roberto Nitti roberto.nitti.95@gmail.com r.nitti5@studenti.poliba.it		Student		Roberto Mitte
Responsible person ¹⁰ at the Sending Institution	Pietro De Palma	pietro.depalma@poliba.it	Erasmus Departmental Coordinator		Meldre
Responsible person at the Receiving Institution ¹¹	Ricardo Noguera	Ricardo.noguera@ensam.eu			

Giuseppe De Lucia Academic Year 2018 /2019

					Sex		
	Last name(s)	First name(s)	Date of birth	Nationality ¹	[M/F]	Study cycle ²	Field of education ³
Student	De Lucia						
		Giuseppe	25/09/1995	Italian	М	2 nd Cycle	0715
			Erasmus code ⁴				
	Name	Faculty/Department	(if applicable)	Address	Country	Contact pe	rson name ⁵ ; email; phone
		Facoltà di ingegneria,				Erasmus C	eaprtmental Coordinator:
Sending		dipartimento				,	Pietro De Palma
Institution	POLITECNICO	meccanica e		Via Amendola,126/B		pietr	o.depalma@poliba.it
	DI BARI	management	IBARI05	70126 Bari	ITA	+	39 080 596 3226
			Erasmus code				
	Name	Faculty/ Department	(if applicable)	Address	Country	Contact pe	erson name; email; phone
Receiving				151 Boulevard de			Ricardo Noguera
Institution		MECHANICAL	,	l'Hopital,75013		Ricard	o.noguera@ensam.eu
	ENSAM	ENGINEERING	F PARIS62	Paris France	FRA		33-(0)1.44.24.37

Before the mobility

	Study Programme at the Receiving Institution Planned period of the mobility: from [month/year] 09/2018 to [month/year] 09/2019									
Table A Before the mobility	Component ⁵ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion						
~	5AE01	Fondements de l'Efficacité Energétique	autumn	6						
	5AE13	Management stratégique et langue étrangère	autumn	6						
	5AE06	Systèmes réactifs, turbulence et transferts, applications à la propulsion terrestre et aéronautique	autumn	6						
	5AE11	Systèmes Energétiques Efficients	autumn	6						
	5AE12	Optimisation des Performances des Turbomachines	autumn	6						
	5AE50	Stage recherche d'un semestre (1)	spring	30						
				Total: 60						

Web link to the course catalogue at the Receiving Institution describing the learning outcomes: http://dynfluid.ensam.eu/ingenierie-des-machines-de-conversion-d-energie-104835.kjsp?RH=1415871365373

The level of language competence in French [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 A2 B1 B2 C1 C2 Notive speaker C

		Recognition at the Sendir	ng Institution	
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
	2320	IMPIANTI MECCANICI II	autumn	6
	2318	DINAMICA E CONTROLLO DELLE MACCHINE	autumn	6
	2947	TECNOLOGIE PER LE ENERGIE RINNOVABILI E LA PRODUZIONE DISTRIBUITA DELL'ENERGIA	spring	12
	2023	TIROCINIO	spring	6
	2948	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI	autumn	6
		ESAMI A SCELTA	spring	6
		ESAMI A SCELTA	spring	6
	2024	PROVA FINALE	spring	12
				Total:60

Provisions applying if the student does not complete successfully some educational components: [web link to the relevant information]

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	Giuseppe De Lucia	delucia.giuseppe.1995@gmail.c om g.delucia5@studenti.poliba.it	Student		junge Relucia
Responsible person ¹⁰ at the Sending Institution	Pietro De Palma	pietro.depalma@poliba.it	. Erasmus Departmental Coordinator		Melele
Responsible person at the Receiving Institution ¹¹	Ricardo Noguera	Ricardo.noguera@ensam.eu			



Davide Rubini Academic Year 2018/2019

Student	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	Boniello	Luca	30/12/95	Italian	м	2nd	Mechanical engeneering
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact pe	rson name ⁵ ; email; phone
Sending Institution	POLITECNICO DI BARI	Mechanical Engeneering	IBARIOS	Via Amendola, 29 70020 BA	ITALY		Pietro De Palma deplama@poliba.it
Receiving	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact pe	erson name; email; phone
Institution	UNIVERSIDA D DEL PAIS DE VASCO	Mechanical Engeneering	EBILBAO01	70126 BARI	SPAIN	Depa	rtmental Coordinator

Before the mobility

	Study Programme at the Receiving Institution 2018 Planned period of the mobility: from [month/year] September to [month/year] February 201%								
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion					
		Cálculo de Máquinas	1*	6					
		Materiales Estructurales: Comportamiento en Servicio y Mecánica de Fractura	1	6					
		Tecnología Eléctrica	1°	6					
		Organización de Empresas	1*	6					
		Automática y Control	1°	6					
				Total: 30					
	Web link to the	e course catalogue at the Receiving Institution describing the	earning outcomes: [web link	to the relevant information]					

The level of language competence in _Spanish _____ [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 \otimes A2 \quad B1 \quad B2 \quad C1 \quad C2 \quad Native speaker \quad

		Recognition at the Sen	ding Institution	
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
¥	2318	Dinamica e controllo delle macchine	1*	6
	2316	Progettazione meccanica 2 e costruzione di macchina	1°	12
		Esame a scelta	1°	12
				Total: 30
	Provisions apply	I ving if the student does not complete successfully some educal	l tional components: <i>[web lin</i>	

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	Luca Boniello	bonielloluca@gmail.com	Student	18/07/18	Luca Bonisto
Responsible person ¹⁰ at the Sending Institution	Prof. Pietro De Palma	pietro.deplama @poliba.it	Erasmus departemental coordinator	18.07.2018	Meldre
Responsible person at the Receiving Institution ¹¹	Cecilia Fernàndez	ingenieria.internacional@ehu.eus	Erasmus cordinator		

Student's name Simone Braccio Academic Year 2018 /2019

Student	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	Simone	Braccio	20/09/1995	Italian	М	2 nd Cycle	0715
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact pe	rson name ⁵ ; email; phone
Sending Institution	POLITECNICO DI BARI	Ingegneria Dipartimento di Meccanica, Matematica e Management	IBARIO5	Via Amendola, 126/B 70126 BARI	ITA	Prof. Pietro De Pal Coordinator Erasn pietro.depalma@ + 39 080 596 3226	nus Departmental poliba.it
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Person name; em	
Receiving Institution	ENSAM	Ecole Nationale Supérieure d'Arts et Métiers	F PARIS62	151, Boulevard de l'Hôpital 75013 Paris	FRANCE	Prof, Ricardo Nog Ricardo.NOGUERA Téléphone: 33-(0) FAX: 33-(0)1.44.24	A@ensam.eu 1.44.24.64.37

Before the mobility

Study Programme at the Receiving Institution

Planned period of the mobility: from September 2018 to July 2019

Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion
	5AE01	Fondements de l'efficacité Énergétiques	Autumn	6
	SAE06	Systèmes réactifs turbulence et transferts et transferts, applications à la propulsion terrestre et aéronautique	Autumn	6
	5AE11	Systèmes énergétiques efficients	Autumn	6
	SAE12	Optimisation des performances des turbomachines	Autumn	6
	5AE13	Management stratégique et langue étrangère	Autumn	6
	50E50	Stage recherché d'un semester	Spring	30
				Total: 60

Web link to the course catalogue at the Receiving Institution describing the learning outcomes: http://dynfluid.ensam.eu/ingenierie-des-machines-de-conversion-d-energie-104835.kjsp?RH=1415871365373

The level of language competence in French that the student already has or agrees to acquire by the start of the study period is:

A1 🗆 A2 🗆 B1 🗖 B2 🗵 C1 🗆 C2 🗆 Native speaker 🗆

Recognition at the Sending Institution

Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring;]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
	Cod. 2947	TECNOLOGIE PER LE ENERGIE RINNOVABILI E LA PRODUZIONE DISTRIBUITA DELL'ENERGIA	Autumn	12
	Cod. 2948	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI	Autumn	6
	Cod. 2318	DINAMICA E CONTROLLO DELLE MACCHINE	Autumn	6
	Cod. 2320	IMPIANTI 2	Autumn	6
	Cod. 2023	TIROCINIO	Spring	6
	Cod. 2024	PROVA FINALE	Spring	12
		ESAME A SCELTA	Spring	6
		ESAME A SCELTA	Spring	6
				Total: 60

Provisions applying if the student does not complete successfully some educational components: http://climeg.poliba.it/file.php/1/ParisTech/BandoDDParisTech18-19.pdf

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	Simone Braccio	simonebraccio@yahoo.it	Student	17.07.2018	Shuare France
Responsible person ¹⁰ at the Sending Institution	Pietro De Palma	Pietro.depalma@poliba.it	Erasmus departmental Coordinator	17.07.2018	Molde
Responsible person at the Receiving Institution ¹¹					

Higher Education

Politecni di Bai	co 3°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	Fracmuc	earning A udies Stu	•		Acad	FEDELE EPIFANIA Jemic Year 2018 /2019	
	Last name(s)	First name(s)	Date of birth	Nationalit	Sex y¹ [M/F]	Study cycle ²	Field of education	
Student	EPIFANIA	FEDELE	21/03/1993	ITALIAN	М	MAGISTRALE	MECCANICA - DMMM	
Sending	Name	Faculty/Depart ment	Erasmus code⁴ (if applicable)	Address	Countr	Contact pe	rson name ⁵ ; email; phone	
Instituti on	POLITECNI CO DI BARI	ING. MECCANCA (DMMM)	IBARI05	Via Amendo 126/B 701 BARI			RO DE PALAMA palma@poliba.it	
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Countr	Contact pe	rson name; email; phone	
Receivin g Instituti on	UNIVERSIT ATEA TEHNICA DIN CLUJI- NAPOCA	FUCULTY OF ROAD VEHICLES, MECHATRONICS AND MECHANICAL ENGINEERING	RO CLUJNAP01	BD. MUNCII 103-105				
			Before	the mobil	ity			
		Study Programme at the Receiving Institution Planned period of the mobility: from SEPTEMBER 2018 to FEBRUARY 2019						
Table A Before the	Compone nt ⁶ code	Component title (as indicated	at the Receiving in the course catal		Semester [e.g. autumn/sprin	equivaler	of ECTS credits (or it) ⁸ to be awarded by ving Institution upon	

11				
Table A Before the mobility	Compone nt ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue')	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion
	55,00	MATERIALE METALICE	AUTUMN	5
	57,00	MATERIALE CERAMICE SI VITROASE	AUTUMN	4
	59,00	MATERIALE POLIMERICE	AUTUMN	3
	15.00	MATERIALE COMPOZITE SI TEHNOLOGII DE FABRICATIE	AUTUMN	5
		DINAMICA AUTOVEHICULELOR I	AUTUMN	5
		DINAMICA AUTOVEHICULELOR I	AUTUMN	4
		SISTEME ALTERNATIVE DE PROPULSIE PENTRU AUTOMOBILE	AUTUMN	4
			TOTAL	30

Web link to the course catalogue at the Receiving Institution describing the learning outcomes: [web link to the relevant information] The level of language competence in _____ [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 = A2 = B1 = B2 = C1 = C2 = Native speaker = Recognition at the Sending Institution

		Recognition at the Sending Institution									
Table B Before the mobility	Compone nt code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution							
	2317	TECNOLOGIA MECCANICA II	SPRING	9							
	2625	LAVORAZIONI DI MATERIALI AERONAUTICI	SPRING	6							
	2661	PROGETTAZIONE CON MATERIALI INNOVATIVI E SPERIMENTAZIONE PER AEROMOBILI	SPRING	12							
			TOTAL	27							

Provisions applying if the student does not complete successfully some educational components: [web link to the relevant information]

Commitment

Example 1. Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period. persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	FEDELE EPIFANIA	f.epifania@studenti.poliba.it	Student	3.7.2018	Estile Espelanda
Responsible person ¹⁰ at the Sending Institution	Prof. PIETRO DE PALMA	pietro.depalma@poilba.it	Erasmus Departmental Coordinator	3.7.708	Merele
Responsible person at the Receiving Institution ¹¹					





Student's name Academic Year 2018/2019

	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	FERRI	GIANMATTEO	15/12/1994	ITALIANĄ	М	MASTER	Industrial engineering
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact pe	rson name ⁵ ; email; phone
Sending Institution	POLITECNICO DI BARI	MECHANICAL ENGINEERING/DMMM	IBARIO5	Via Amendola, 126/B 70126 BARI	ITA	pietro	epartmental Coordinator: Pietro De Palma; o.depalma@poliba.it; 39 080 596 3226
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact pe	erson name; email; phone
Receiving Institution	Universitatea Tehnica Din Cluji-Napoca	Facultatea Constructii de Masini /Facultatea de mecanica	ROCLUJNAP05	Boulevardul muncii 115 ,40000 CLUJ- NAPOCA,ROMANIA	RO		Corina Barleanu ; Barleanu@omt.utcluj.ro

Before the mobility

		Study Programme at the	Receiving Institution	
		Planned period of the mobility: from [month,	/year] to [month/ye	ear]
Table A Component ⁶ Before the code (if any)		Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion
	44.00	MARKETING	AUTUMN	4
	60.00	HUMAN RESOURSE MANAGEMENT	AUTUMN	3
	58.00	PRODUCTION SYSTEM ENGINEERING	AUTUMN	6
	57.20	FABRICATIA ASISTATA DE CALCULATOR	AUTUMN	3
	36.00	ORGANE DE MASINI 2	AUTUMN	5
	40.00	METODA ELEMENTULUI FINIT	AUTUMN	3
	52.00	MOTOARE CU ARDERE INTERNA	AUTUMN	6
				Total: 30
	Web link to th	ne course catalogue at the Receiving Institution describing the	learning outcomes: [web link	to the relevant information]

The level of language competence in _ENGLISH _____ [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 \(\text{A2} \) A2 \(\text{B1} \) \(\text{B2} \) \(\text{C1} \) \(\text{C2} \) \(\text{Native speaker} \(\text{D} \)



Higher Education Learning Agreement for Erasmus+ Studies Studies Studies

GIUSEPPE FORNELLI Academic Year 2018 /2019

12

27

		51	tudies Stu	ideifor S	JT	ldies		
Student	Last name(s)	First name(s)	Date of birth	Nationality	y¹	Sex [M/F]	Study cycle ²	Field of education
Student	FORNELLI	GIUSEPPE	11/05/1993	ITALIAN		М	MAGISTRALE	MECCANICA - DMMM
Sending	Name	Faculty/Depart ment	Erasmus code⁴ (if applicable)	Address		Countr	Contact per	rson name ⁵ ; email; phone
Instituti on	POLITECNI CO DI BARI	ING. MECCANCA (DMMM)	IBARI05	Via Amendo 126/B 701 BARI		ITA		O DE PALAMA palma@poliba.it
	Name	Faculty/ Department	Erasmus code (if applicable)	Address		Countr	Contact pe	rson name; email; phone
Receivin g Instituti on	UNIVERSIT ATEA TEHNICA DIN CLUJI- NAPOCA	FUCULTY OF ROAD VEHICLES, MECHATRONICS AND MECHANICAL ENGINEERING	RO CLUJNAP01	BD. MUNCII 103-105	NR.	ROM		
			Before	the mobili	ity			
Table A Before	Compone nt ⁶ code	Component title at the Receiving Institution					Number equivalen	of ECTS credits (or t) ⁸ to be awarded by
the mobility	(if any)		in the course catal	ogue')	autumn/spring; term]			ving Institution upon ssful completion
	55,00	MATERIALE META		-		TUMN		5 4
	57,00 59,00	MATERIALE CERA MATERIALE POLI)E		TUMN TUMN		3
	15,00	MATERIALE COMI	A 12 Personal Property and Prop	LOGII DE		TUMN		5
		DINAMICA AUTO				TUMN		5
		DINAMICA AUTO			AU	NMUT		4
		A STATE OF THE STA	SISTEME ALTERNATIVE DE PROPULSIE PENTRU AUTOMOBILE			ITUMN		4
						TAL		30
			eiving Institution d	escribing the le	earni	ing outcome	s: [web link to th	e relevant information
The level	of language co to acquire b	ompetence ⁹ in by the start of the stu	idy period is: A1 🗆	A2 = B1 =		B2 a C1 a	C2 🗆 Nativ	nt already has or agree e speaker 🗆
			Recogniti	on at the Sen	ding	g Institutio	n	
Table B Before the mobility	Compone nt code (if any)		le at the Sending d in the course cat	The resident the common common and both miles		Semester [e.g. autumn/spri term]	equival	er of ECTS credits (or ent) to be recognise Sending Institution
	2317	TECNOLOGIA M			_	PRING		9
i	2625	LAVORAZIONI D	I MATERIALI AER	ONAUTICI	S	PRING		6

Provisions applying if the student does not complete successfully some educational components: [web link to the relevant information]
Commitment

SPRING

TOTAL

PROGETTAZIONE CON MATERIALI

AEROMOBILI

INNOVATIVI E SPERIMENTAZIONE PER

2661

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus + grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the Student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period. persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	FORNELLI GIUSEPPE	g.fornelli@studenti.poliba.it	Student	3.7.2018	Girle Ford
Responsible person ^{to} at the Sending Institution	Prof. PIETRO DE PALMA	pietro.depalma@poilba.it	Erasmus Departmental Coordinator	3.7.7ds	MePel
Responsible person at the Receiving Institution ¹¹					





Student's name Academic Year 2018/2019

	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	, ,			,			
	LA FORGIA	GIOVANNI	08/10/1995	ITALIAN	М	EQF LEVEL 7	MECHANICAL ENGINEERING
			Erasmus code ⁴				
	Name	Faculty/Department	(if applicable)	Address	Country	Contact pe	rson name ⁵ ; email; phone
Sending						Erasmus Depart	mental Coordinator: Prof. Pietro
Institution	POLITECNICO			Via Amendola,		De	Palma 0805963226
	DI BARI	DMMM	IBARI05	126/B 70126 BARI	ITA	pietr	o.depalma@poliba.it
			Erasmus code				
	Name	Faculty/ Department	(if applicable)	Address	Country	Contact p	erson name; email; phone
						Erasmus 0	Departmental Coordinator:
Receiving	RWTH			Templergraben SS,			DiplÜbers.
Institution	AACHEN	Faculty of Mechanical		52062 Aachen,	1	Antje Zimr	nermann +49 241 80 98356
	UNIVERSITY	Engineering	D AACHEN01	Germania	DE	zimmerm	ann@fb4.rwth-aachen.de

Before the mobility

		Study Programme at the Re	ceiving Institution	
		Planned period of the mobility: from [month/ye	ear] 09/2018 to [month/ye	ar] 01/2019
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ³ to be awarded by the Receiving Institution upon successful completion
		CONTROL ENGINEERING	WINTER	5
		INTERNAL COMBUSTION II	WINTER	6
		COMBUSTION I	WINTER	5
		INTERNAL COMBUSTION ENGINE FUNDAMENTALS	WINTER	4
		INDUSTRIELLE UMWELTTECHNIK UND LUFTREINHALTUNG	WINTER	5
		INDUSTRIAL ENGINEERING	WINTER	6
				Total: 31
	Web link to th	ne course catalogue at the Receiving Institution describing the lea	rning outcomes: [web link	to the relevant information)

The level of language competence in english (indicate here the main language of instruction) that the student already has or agrees to acquire by the start of the study period is: A1 \(\text{\titet{\text{\tint{\text{\ticl{\text{\tinit}}\text{\tin}}\tint{\text{\tin}\tint{\text{\tex{\text{\text{\text{\texi}\tint{\text{\text{\texi}\text{\text{\text{\texitil{\text{\texi{\texi{\texi{\texi{\texi}\tint{\texit{\tet{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texit{\t

Recognition at the Sending Institution								
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution				
	2318	DINAMICA E CONRTROLLO DELLE MACCHINE	WINTER	6				
	2948	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI	WINTER	6				
	2320	IMPIANTI MECCANICI II	WINTER	6				
		ESAME A SCELTA		6				
		ESAME A SCELTA		6				
				Total: 30				

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period

Commitment	Name	Email	Position	Date	Signature /
Student	GIOVANNI LA FORGIA	glaforgia95@gmail.com	Student	16/07/18	Binjan lo Veregino
Responsible person ¹⁰ at the Sending Institution	PIETRO DE PALMA	Pietro.depalma@poliba.it	Erasmus Departmental Coordinator	16/07/18	Mileli
Responsible person at the Receiving Institution ¹¹	ANTJE ZIMMERMANN	zimmermann@fb4.rwth- aachen.de	Erasmus Departmental Coordinator		



Learning Agreement Student Mobility for Traineeships Academic Year 2017/2018

Higher Education: Learning Agreement form Student's name

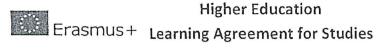
Trainee	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	PARISI	GIORGIO 11/03/1990 ITA M		EQF7	0788		
	Name	Name Faculty/ Department		Address	Country	Contact person nam	e ⁴ ; email; phone
Sending Institution	POLITECNICO DI BARI	Ing.Meccan	ica / DMMM	Via Amendola, 126/B – 70126 Bari		Erasmus Departmental Coordinator : Pietro De Palma <u>pietro.depalma@poliba.it</u> +39 080 5963226	
	Name	Department	Address; website	Country	Size	Contact person ⁵ name; position; e-mail; phone	Mentor⁵ name; position; e-mail; phone
Receiving Organisation /Enterprise	Budapest University of Technology and Economics	website 1111 Budapest, Department Műegyetem of Applied rkp. 5, Hungary		□ < 250 employees 図 > 250 employees	Giuseppe Habib; associate researcher; habib@mm.bme.hu; +3614633678	Giuseppe Habib; associate researcher; habib@mm.bme.hu; +3614633678	

Before the mobility Table A - Traineeship Programme at the Receiving Organisation/Enterprise Planned period of the mobility: from [gg-mm-aaaa] 24 August 2018 to [gg-mm-aaaa] 31 October 2018 Traineeship title: Smart implementation of nonlinearity for friction-induced Number of working hours per week: 40 vibration control. Detailed programme of the traineeship: The trainee will deal with a mechanical system consisting of a lumped mass subject to friction-induced vibrations. The problem will be initially studied numerically, with the objective of understanding the general phenomenology. Additional nonlinear components (elastic and damping elements) will be successively included in the system to control the onset of vibrations. Analytical techniques (perturbation methods) will be implemented for improving the understanding of the dynamics. Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes): The trainee will learn how to perform numerical simulations for few-degrees-of-freedom mechanical systems. He will understand basic concepts of nonlinear dynamics and bifurcation theory for the case of friction-induced vibrations. He will be able to handle standard perturbation techniques for bifurcation analysis. He will learn the phenomenology leading to frictioninduced vibrations. Monitoring plan: The mentor will have weekly meeting with the trainee to monitor and address the progression of the research. Evaluation plan: At the end of the training period, the mentor will evaluate the traineeship based on the scientific outcome of the research and on a final report prepared by the trainee. The report will be later implemented in the master thesis of the trainee. The level of language competence in English [indicate here the main language of work] that the trainee already has or agrees to acquire by the start of the mobility

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 6 ECTS credits (or equivalent)9	Give a grade based on: Traineeship certificate ⊠ Final report □ Interview □							
Record the traineeship in the trainee's Transcript of	of Records and Diploma Supplement (or equivalent).							
Record the traineeship in the trainee's Europass M	obility Document: Yes □ No ⊠							
2. The traineeship is voluntary and, upon satisfactory of	completion of the traineeship, the institution undertakes to:							
Award ECTS credits (or equivalent): Yes ☐ No ☐	If yes, please indicate the number of credits:							
Give a grade: Yes ☐ No ☐ If yes, please	indicate if this will be based on: Traineeship certificate ☐ Final report ☐ Interview ☐							
Record the traineeship in the trainee's Transcript of	Record the traineeship in the trainee's Transcript of Records: Yes No							
Record the traineeship in the trainee's Diploma Su	Record the traineeship in the trainee's Diploma Supplement (or equivalent).							
Record the traineeship in the trainee's Europass N	obility Document: Yes 🗆 No 🗆							

period is: A1 \square A2 \square B1 \square B2 \boxtimes C1 \square C2 \square Native speaker \square





Student's name Academic Year 2018/2019

	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Student	PAZIENZA	PAOLO	12/10/1995	ITALIAN	М	EQF LEVEL 7	MECHANICAL ENGINEERING
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact pe	rson name ^s ; email; phone
Sending Institution	POLITECNICO			Via Amendola,		Erasmus Departmental Coordinator: Prof. Pietro De Palma 0805963226	
	DI BARI	DMMM	IBARI05	126/B 70126 BARI	ITA	pietr	o.depalma@poliba.it
	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact p	erson name; email; phone
Receiving	RWTH			Templergraben 55,		Erasmus C	Departmental Coordinator: DiplÜbers.
Institution	AACHEN UNIVERSITY	Faculty of Mechanical Engineering	D AACHEN01	52062 Aachen, Germania	DE	ANGEROADA ANTO COMPONENCIA	nermann +49 241 80 98356 ann@fb4.rwth-aachen.de

Before the mobility

***************************************		Study Programme at the Re	ceiving Institution						
	Planned period of the mobility: from [month/year] 09/2018 to [month/year] 01/2019								
Table A Before the mobility	Component ⁶ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion					
		CONTROL ENGINEERING	WINTER	5					
		INTERNAL COMBUSTION II	WINTER	6					
		COMBUSTION I	WINTER	5					
		INTERNAL COMBUSTION ENGINE FUNDAMENTALS	WINTER	4					
		INDUSTRIELLE UMWELTTECHNIK UND LUFTREINHALTUNG	WINTER	5					
		INDUSTRIAL ENGINEERING	WINTER	6					
				Total: 31					
	Web link to th	ne course catalogue at the Receiving Institution describing the lea	arning outcomes: [web link	to the relevant information]					

The level of language competence in english [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 🗆 A2 💢 B1 🗇 B2 🗇 C1 🗇 C2 🗇 Native speaker 🖂

nponent Component title at the Sending Institution	Semester	Number of ECTS credits (or equivalent)
if any) (as indicated in the course catalogue)	[e.g. autumn/spring; term]	to be recognised by the Sending Institution
8 DINAMICA E CONRTROLLO DELLE MACCHINE	WINTER	6
8 MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI	WINTER	6
) IMPIANTI MECCANICI II	WINTER	6
ESAME A SCELTA		6
ESAME A SCELTA		6
		Total: 30
8	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI IMPIANTI MECCANICI II ESAME A SCELTA ESAME A SCELTA	MOTORI A COMBUSTIONE INTERNA E PROPULSORI IBRIDI WINTER IMPIANTI MECCANICI II WINTER ESAME A SCELTA

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	PAOLO PAZIENZA	pazienza.p95@gmail.com	Student	16/07/18	Parks Parieura
Responsible person ¹⁰ at the Sending Institution	PIETRO DE PALMA	pietro.depalma@poliba.it	Erasmus Departmental Coordinator	16/07/18	Melele
Responsible person at the Receiving Institution ¹¹ ANTJE ZIMMERMANN		zimmermann@fb4.rwth- aachen.de	Erasmus Departmental Coordinator		

Davide Rubini Academic Year 2018/2019

Student	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	Rubini	Davide	30/01/95	Italian	М	2nd	Mechanical engeneering
	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact person name ⁵ ; email; phone	
Sending Institution	POLITECNICO DI BARI	Mechanical Engeneering	IBARI05	Via Amendola, 29 70020 BA	ITALY	Prof. Pietro De Palma pietro.deplama@poliba.it	
Possiving	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact pe	erson name; email; phone
Receiving Institution	UNIVERSIDA D DEL PAIS DE VASCO	Mechanical Engeneering	EBILBAO01	70126 BARI	SPAIN	Depa	rtmental Coordinator

Before the mobility

Study Programme at the Receiving Institution اعدی Planned period of the mobility: from [month/year] September to [month/year] February 2019								
Table A Before the mobility	Component ⁵ code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion				
		Cálculo de Máquinas	1'	6				
		Materiales Estructurales: Comportamiento en Servicio y Mecánica de Fractura	1	6				
		Tecnología Eléctrica	1°	6				
		Organización de Empresas	1'	6				
		Automática y Control	1°	6				
				Total: 30				
	Web link to the	course catalogue at the Receiving Institution describing the	learning outcomes: [web link	to the relevant information]				

The level of language competence in _Spanish _____ [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 \otimes A2 \oquad B1 \oquad B2 \oquad C1 \oquad C2 \oquad Native speaker \oquad

		Recognition at the Sen	ding Institution		
Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution	
	2318	Dinamica e controllo delle macchine	1'	6	
	2316	Progettazione meccanica 2 e costruzione di macchina	1'	12	
		Esame a scelta	1*	12 .	
				Total: 30	

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Sending Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.

Commitment	Name	Email	Position	Date	Signature
Student	Davide Rubini	daviderubini1@gmail.com	Student	1807, 18	Davide Relieur
Responsible person ¹⁰ at the Sending Institution	Prof. Pietro De Palma	pietro.deplama @poliba.it	Erasmus departemental coordinator	18-07.2018	Meleli
Responsible person at the Receiving Institution ¹¹	Cecilia Fernàndez	ingenieria.internacional@ehu.eus	Erasmus cordinator		



Higher Education Learning Agreement for Traineeships

Student's name Academic Year 2017/2018



Trainee	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
Haniee	LONGOBARDI	VINCENZO	04/05/1989	ITA	М	EQF7	0788
	Name	Faculty/ Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact person name ⁵ ; email; phone	
Sending Institution	POLITECNICO DI BARI	Ing.Meccanic a / DMMM	IBARIO5	Via Amendola 126b 70126 Bari	Amendola ITA Pietro De Palma 126b ITA <u>pietro.depalma@po</u>		Palma a@poliba.it
	Name	Department	Address; website	Country	Size Erasmus code ⁶ (if applicable) PIC (if applicable)	Contact person ⁷ name; position; e-mail; phone	Mentor ^a name; position; e-mail; phone
Receiving Organisation /Enterprise	Budapest University of Technology and Economics	rsity of of Applied rkp. 5, Mechanics Ungheria; https://www.b	Hungary	□ < 250 employees 図 > 250 employees	Giuseppe Habib; associate researcher; habib@mm.bme.hu; +3614633678	. Giuseppe Habib; associate researcher; habib@mm.bme.hu; +3614633678	

Before the mobility			
Table A - Traineeship Programme at the Receiving Organisation/Enterprise			
Planned period of the mobility: from [month/year] 24 August 2018 to [month/year] 31 October 2018			
Traineeship title: Smart implementation of nonlinearity for friction-induced vibration control.	Number of working hours per week: 40		
Detailed programme of the traineeship: The trainee will deal with a mechanical system consisting of a lumped mass subject to friction-induced vibrations.			
The problem will be initially studied numerically, with the objective of understanding the general phenomenology. Additional nonlinear components (elastic and			
damping elements) will be successively included in the system to control the onset of vibrations.			
Analytical techniques (perturbation methods) will be implemented for improving the understanding of the dynamics.			
Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes): The trainee will learn how to perform numerical			
simulations for few-degrees-of-freedom mechanical systems. He will understand basic concepts of nonlinear dynamics and bifurcation theory for the case of			
friction-induced vibrations. He will be able to handle standard perturbation techniques for bifurcation analysis. He will learn the phenomenology leading to friction-			
induced vibrations.			
Monitoring plan: The mentor will have weekly meeting with the trainee to monitor and address the progression of the research.			
Evaluation plan: at the end of the training period, the mentor will evaluate the traineeship based on the scientific outcome of the research and on a final report			
prepared by the trainee. The report will be later implemented in the master thesis of the trainee.			
The level of language competence ⁹ in English lindicate here the main language of	work) that the trainee already has or agrees to acquire by the start of the mobility		
The level of language competence in English [indicate here the main language of work] that the trainee already has or agrees to acquire by the start of the mobility			

period is: A1 □ A2 □ B1 □ B2 図 C1 □ C2 □ Native speaker □

Table B - Sending Institution				
Please use only one of the following three boxes: 10				
1. The traineeship is embedded in the curriculum and upon satisfactory completion of the traineeship, the institution undertakes to:				
A	Award ECTS credits (or equiv	valent)11	Give a grade based on: Traineeship certificate □ Final report □ Interview □	
Record the traineeship in the trainee's Transcript of Records and Diploma Supplement (or equivalent).				
Record the traineeship in the trainee's Europass Mobility Document: Yes 🗆 No 🗆				
2. The traineeship is voluntary and, upon satisfactory completion of the traineeship, the institution undertakes to:				
F	Award ECTS credits (or equivalent):	Yes⊠ No□	If yes, please indicate the number of credits: 6	
	Give a grade: Yes □ No □	If yes, please in	indicate if this will be based on: Traineeship certificate ☐ Final report ☐ Interview ☐]
F	Record the traineeship in the trainee's Transcript of Records: Yes 🗆 No 🗆			