

A-WEAR CONSORTIUM AGREEMENT

Based on

LERU adapted Consortium Agreement for MSCA ITN (ETN) Actions based on:
© *DESCA* - Horizon 2020 Model Consortium Agreement (www.DESCA-2020.eu),
Version 1, February 2014

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CONSORTIUM AGREEMENT
for a Marie Skłodowska-Curie Innovative Training Network (ITN) European Training
Network

THIS CONSORTIUM AGREEMENT is based upon REGULATION (EU) No 1290/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2013 laying down the rules for the participation and dissemination in “Horizon 2020 – the Framework Programme for Research and Innovation (2014-2020)” (hereinafter referred to as “the Rules”), and the European Commission [H2020 Model Grant Agreement for Marie Skłodowska-Curie Innovative Training Networks \(MSC-ITN-MULTI\)](#) and its Annexes, and is made on the date of last signature of this Agreement (hereinafter referred to as the Effective Date).

BETWEEN:

1. **TTY SÄÄTIÖ SR (“TUT”)**,
KORKEAKOULUNKATU 10, TAMPERE 33720, Finland,
VAT number: FI22861063
the Coordinator;
2. **UNIVERSITAT JAUME I DE CASTELLON (“UJI”)**
AVENIDA VICENT SOS BAYNAT S/N, CASTELLON DE LA PLANA 12006, Spain,
VAT number: ESQ6250003H;
3. **VYSOKE UCENI TECHNICKE V BRNE (“BUT”)**
ANTONINSKA 548/1, BRNO STRED 601 90, Czech Republic,
VAT number: CZ00216305;
4. **UNIVERSITATEA POLITEHNICA DIN BUCURESTI (“UPB”)**
SPLAIUL INDEPENDENTEI 313 SECT 6, BUCHAREST 060042, Romania,
VAT number: RO4183199,
5. **UNIVERSITA DEGLI STUDI MEDITERRANEA DI REGGIO CALABRIA (“URC”)**
VIA SALITA MELISSARI FEO DI VITO, REGGIO CALABRIA 89124, Italy,
VAT number: IT00163260805.

hereinafter, jointly or individually, referred to as “Parties” or “Party”

relating to the Action entitled

A network for dynamic Wearable Applications with pRivacy constraints

in short

A-WEAR

hereinafter referred to as “Project”

WHEREAS:

The Parties, having considerable experience in the field concerned, have submitted a proposal for the Project to the Funding Authority as part of the Horizon 2020 – the Framework Programme for Research and Innovation (2014-2020).

The Parties wish to specify or supplement binding commitments among themselves in addition to the provisions of the specific Grant Agreement to be signed by the Parties and the EC (hereinafter “Grant Agreement”) under the funding scheme of “Marie Skłodowska-Curie Innovative Training Networks - ITN”.

The Parties are aware that this Consortium Agreement is based upon the DESCA model consortium agreement.

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:

Section 1: Definitions

1.1 Definitions

Words beginning with a capital letter shall have the meaning defined either herein or in the Rules or in the Grant Agreement including its Annexes.

1.2 Additional Definitions

“Consortium Plan”

Consortium Plan means the description of the action and the related agreed budget as first defined in the Grant Agreement and which may be updated by the Management Board.

"Funding Authority"

Funding Authority means the body awarding the grant for the Project.

“Defaulting Party”

Defaulting Party means a Party which the Management Board has identified to be in breach of this Consortium Agreement and/or the Grant Agreement as specified in Section 4.2 of this Consortium Agreement.

“Early Stage Researcher” (ESR)

ESR is a postgraduate researcher in the first four years (full-time equivalent) of their research activity, including the period of research training, who has not been awarded a doctoral degree. The ESR is recruited and employed under a separate agreement by a Party. The details of ESRs, their appointing institutions and their person-months are included in Annex I to the Grant Agreement.

“Needed” means:

For the implementation of the Project:

Access Rights are Needed if, without the grant of such Access Rights, carrying out the tasks assigned to the recipient Party would be impossible, significantly delayed, or require significant additional financial or human resources.

For exploitation of own Results:

Access Rights are Needed if, without the grant of such Access Rights, the Exploitation of own Results would be technically or legally impossible.

“Partner Organisation”

Partner Organisation means an organisation that is not signatory of the Grant Agreement and does not employ any researcher within the Project. A Partner organisation provides additional training and host researchers during secondments.

The Partner Organisations are listed in section 4 of Annex I to the Grant Agreement.

“Personal Career Development Plan”

Personal Career Development Plan means a plan established by each recruited ESR with his/her personal supervisor(s) for initial training activities for more than 6 months. It shall comprise the recruited ESR’s training and career development needs (including transferable skills and meaningful exposure to both private and public sector) and scientific objectives as well as the measures foreseen to meet these objectives and a description of his/her initial training activities.

“Secondment”

Secondment means a period during which a ESR is hosted by a Partner Organisation or a Party other than his/her employing entity. Secondments are detailed in Section 4 of the Annex I to the Grant Agreement.

“Software”

Software means sequences of instructions to carry out a process in, or convertible into, a form executable by a computer and fixed in any tangible medium of expression.

Section 2: Purpose

The purpose of this Consortium Agreement is to specify with respect to the Project the relationship among the Parties, in particular concerning the organisation of the work between the Parties, the management of the Project and the rights and obligations of the Parties concerning inter alia liability, Access Rights and dispute resolution.

The Parties acknowledge that the scientific objectives of the Project are i.a.:

- Create novel multi-layer knowledge for dynamic wearable networks, in terms of localization, connectivity, privacy and security;
- Identify vulnerabilities and offer innovative solutions in crowdsourced as well as cloud, edge, and fog-based wearable architectures;
- Design and develop privacy-enhanced and location-aware wearable technologies;
- Devise new Medium Access Control (MAC) low-latency algorithms and protocols for wearable communications, especially in the frequency bands of the future, such as mmWave spectrum;
- Develop new open-source SW platforms for wearables in social/eHealth/industrial applications.

The Parties acknowledge that the training objectives of the Project are i.a.:

- Educate, supervise, and train 15 young ambitious and creative researchers to face the future challenges in smart wearables and wireless computing and enhance their career prospects by training them in a multi-sector cross-country environment and teaching them to think globally,
- Create and manage efficiently joint and double European PhD programmes and build a solid foundation for long-term structured joint PhD education in Europe in the Internet of

Wearable Things (IoWT) field with joint selection, supervision, and PhD Dissertation procedures for effective graduation process for PhD's degrees;

- Create open-source training material for educational purpose and to publish and exploit research results and best practices in cooperation with the scientific community, industry, and general public;
- Have an interactive participation in social media such as webpage (including the videos of the researchers) and blogs, ResearchGate, Twitter, LinkedIn, YouTube, etc., in the form of literate, illustrative, and video presentations on the training and scientific outcome in order to disseminate efficiently our results; promote career prospects of the young researchers and expand the collaboration and the knowledge transfer also beyond our network.
- Foster multi-national collaboration through regular network training events and cross-country secondments as well as establish and maintain long-term academic and industrial partnerships, beyond the project's timeframe, in order to ensure the continuity of high quality training and research of inter-sectorial nature

With reference to the training objectives defined above, the Parties specifically acknowledge that an essential obligation of the Parties during this Project is the creation of Joint and Double Degrees as further defined between the Parties, and the Parties agree to work in close co-operation to fulfill this obligation.

The Parties hereby agree to disclose the Grant Agreement and the Consortium Agreement to the Partner Organisations.

Section 3: Entry into force, duration and termination

3.1 Entry into force

An entity becomes a Party to this Consortium Agreement upon signature of this Consortium Agreement by a duly authorised representative.

This Consortium Agreement shall have effect from the Effective Date identified at the beginning of this Consortium Agreement.

A new entity becomes a Party to the Consortium Agreement upon signature of the accession document (Appendix 2) by the new Party and the Coordinator. Such accession shall have effect from the date identified in the accession document.

3.2 Duration and termination

This Consortium Agreement shall continue in full force and effect until complete fulfilment of all obligations undertaken by the Parties under the Grant Agreement and under this Consortium Agreement.

However, this Consortium Agreement or the participation of one or more Parties to it may be terminated in accordance with the terms of this Consortium Agreement.

If the Grant Agreement

- is not signed by the Funding Authority or a Party, or
- is terminated,

or if a Party's participation in the Grant Agreement is terminated,

this Consortium Agreement shall automatically terminate in respect of the affected Party/ies, subject to the provisions surviving the expiration or termination under Section 3.3 of this Consortium Agreement.

3.3 Survival of rights and obligations

The provisions relating to Access Rights and Confidentiality, for the time period mentioned therein, as well as for Liability, Applicable law and Settlement of disputes shall survive the expiration or termination of this Consortium Agreement.

Termination shall not affect any rights or obligations of a Party leaving the Consortium incurred prior to the date of termination, unless otherwise agreed between the Management Board and the leaving Party. This includes the obligation to provide all input, deliverables and documents for the period of its participation.

Section 4: Responsibilities of Parties

4.1 General principles

Each Party undertakes to take part in the efficient implementation of the Project, and to cooperate, perform and fulfil, promptly and on time, all of its obligations under the Grant Agreement and this Consortium Agreement as may be reasonably required from it and in a manner of good faith as prescribed by Belgian law.

Each Party shall promptly provide all information reasonably required by a Consortium Body or by the Coordinator to carry out its tasks.

Each Party shall take reasonable measures to ensure the accuracy of any information or materials it supplies to the other Parties.

4.1.1 Obligations during Secondments

During any period of Secondment to a Party or Partner Organisation, the seconded ESR shall remain employed by the Party by which he/she was recruited.

Except as otherwise set out in this Section 4.1.1, the Party employing the ESR shall be solely responsible for the fulfillment towards its ESR of the obligations of Parties set out in Article 32 of the applicable EC Grant Agreement, including the distribution to the ESR of the monthly support in accordance with the Party's own usual accounting and management principles and practices.

The Party employing the ESR shall cover all the secondment expenses of their ESRs (including travel costs, accommodation, visa and possibly daily allowances in accordance with each Party's internal rules).

Except as otherwise set out in this Section 4.1.1, the Party or Partner Organisation hosting the ESR shall have no obligation or liability to the employing Party or to the ESR for any of the conditions set out in Article 32 of the Grant Agreement, including but not limited to liability to the employing Party or to the ESR for any salary or other compensation or other benefits of employment, such as any medical or other insurance coverage.

The Party hosting the ESR shall communicate to and instruct the ESR in any applicable local procedures regarding, but not limited to, health and safety and proper scientific conduct to ensure

that the seconded ESR enjoys at the place of Secondment at least the same standards and working conditions as those applicable to local persons holding a similar position.

4.2 Breach

In the event that a responsible Consortium Body identifies a breach by a Party of its obligations under this Consortium Agreement or the Grant Agreement (e.g. improper implementation of the Project), the Coordinator or, if the Coordinator is in breach of its obligations, the Party appointed by the Management Board, will give formal notice to such Party requiring that such breach will be remedied within 30 calendar days.

If such breach is substantial and is not remedied within that period or is not capable of remedy, the Management Board may decide to declare the Party to be a Defaulting Party and to decide on the consequences thereof which may include termination of its participation.

4.3 Involvement of third parties

A Party that enters into a subcontract or otherwise involves third parties (including but not limited to Affiliated Entities) in the Project remains responsible for carrying out its relevant part of the Project and for such third party's compliance with the provisions of this Consortium Agreement and of the Grant Agreement. It has to ensure that the involvement of third parties does not affect the rights and obligations of the other Parties under this Consortium Agreement and the Grant Agreement.

Furthermore, if a Partner Organisation is involved, the Coordinator ensures to have the Partner Organisations' written Commitment in place (Appendix 6). In case of a secondment the respective partners shall agree on a Secondment agreement (template provided as Appendix 7).

4.4. ESR Recruitment notifications

In order to facilitate the monitoring activity of the Coordinator, the Parties commit to notify the Coordinator via e-mail, without any delay, about any progress or change in their ESR recruitment process. In particular, the Coordinator shall always be notified about the official start date of the fellowship and the submission of the researcher declaration through the European Commission Participant Portal. The beneficiaries must submit this researcher declaration within 20 days after the recruitment of each researcher.

4.5. Network events

The Parties shall cover the travel and accommodation costs of at least one person from the agreed Partner Organisation to participate (voluntarily) at all the network events (kick-off meeting, mid-term review meeting, the 4 seasonal schools). The Parties shall cover the travel and accommodation costs of the Partner Organisations for network events as follows:

- TUT: T6 Ecosystems, Wirepas, Digital Living and Ericsson
- UJI: S2Grupo and CDP
- UPB: NXP, Beia and CITST
- BUT: Sewio Network and Netscope
- URC: IDOM

If a Party will bring in a new Partner Organisation to the Project, after approval of the Management Board, that Party shall cover the travel and accommodation costs of the new Partner Organisation.

4.6. Seasonal schools and workshops

The Parties shall take full financial responsibility of organizing the agreed seasonal schools and workshops. This includes: rental of premises, lunches & refreshment breaks, social event/dinner, and fees of invited lecturers as follows:

- TUT: E1, E6, E8, E11
- UJI: E2, E3, E9
- UPB: E4
- BUT: E5, E7
- URC: E10

Section 5: Liability towards each other

5.1 No warranties

In respect of any information or materials (incl. Results and Background) supplied by one Party to another under the Project, no warranty or representation of any kind is made, given or implied as to the sufficiency or fitness for purpose nor as to the absence of any infringement of any proprietary rights of third parties.

Therefore,

- the recipient Party shall in all cases be entirely and solely liable for the use to which it puts such information and materials, and
- no Party granting Access Rights shall be liable in case of infringement of proprietary rights of a third party resulting from any other Party (or its Affiliated Entities) exercising its Access Rights.

5.2 Limitations of contractual liability

No Party shall be responsible to any other Party for any indirect or consequential loss or similar damage such as, but not limited to, loss of profit, loss of revenue or loss of contracts, provided such damage was not caused by a wilful act or by a breach of confidentiality.

A Party's aggregate liability towards the other Parties collectively shall be limited to once the Party's share of the total costs of the Project as identified in Annex 2 of the Grant Agreement provided such damage was not caused by a wilful act or gross negligence.

The terms of this Consortium Agreement shall not be construed to amend or limit any Party's statutory liability.

5.3 Damage caused to third parties

Each Party shall be solely liable for any loss, damage or injury to third parties resulting from the performance of the said Party's obligations by it or on its behalf under this Consortium Agreement or from its use of Results or Background.

5.4 Force Majeure

No Party shall be considered to be in breach of this Consortium Agreement if it is prevented from fulfilling its obligations under the Consortium Agreement by Force Majeure.

Each Party will notify the competent Consortium Bodies of any Force Majeure without undue delay. If the consequences of Force Majeure for the Project are not overcome within 6 weeks after such notification, the transfer of tasks - if any - shall be decided by the competent Consortium Bodies.

Section 6: Governance structure

6.1 General structure

The organisational structure of the Consortium shall comprise the following Consortium Bodies:

The Management Board as the ultimate and executive decision-making body of the consortium.

The Advisory Board is responsible for overseeing the quality of the network-wide training of ESRs and for ensuring that scientific/technological training is balanced with transferable skills training appropriate to the needs of each recruited researcher. The Advisory Board will also oversee the quality and quantity of supervision of the ESRs and shall report to and be accountable to the Management Board.

The Coordinator is the legal entity acting as the intermediary between the Parties and the Funding Authority. The Coordinator shall, in addition to its responsibilities as a Party, perform the tasks assigned to it as described in the Grant Agreement and this Consortium Agreement.

6.2 General operational procedures for all Consortium Bodies

6.2.1 Representation in meetings

Any Party which is a member of a Consortium Body (hereinafter referred to as "Member"):
should be represented at any meeting of such Consortium Body;
may appoint a substitute or a proxy to attend and vote at any meeting;
and shall participate in a cooperative manner in the meetings.

6.2.2 Preparation and organisation of meetings

6.2.2.1 Convening meetings:

The chairperson of a Consortium Body shall convene meetings of that Consortium Body.

	Ordinary meeting	Extraordinary meeting
Management Board	4-monthly conference calls and annual meeting	At any time upon written request of the Advisory Board or 1/3 of the Members of the Management Board
Advisory Board	Annual meetings	At any time upon written request of any Member of the Advisory Board

6.2.2.2 Notice of a meeting:

The chairperson of a Consortium Body shall give notice in writing of a meeting to each Member of that Consortium Body as soon as possible and no later than the minimum number of days preceding the meeting as indicated below.

	Ordinary meeting	Extraordinary meeting
Management Board	20 calendar days	15 calendar days
Advisory Board	14 calendar days	7 calendar days

6.2.2.3 Sending the agenda:

The chairperson of a Consortium Body shall prepare and send each Member of that Consortium Body a written (original) agenda no later than the minimum number of days preceding the meeting as indicated below.

Management Board	10 calendar days, 7 calendar days for an extraordinary meeting
Advisory Board	5 calendar days

6.2.2.4 Adding agenda items:

Any agenda item requiring a decision by the Members of a Consortium Body must be identified as such on the agenda.

Any Member of a Consortium Body may add an item to the original agenda by written notification to all of the other Members of that Consortium Body up to the minimum number of days preceding the meeting as indicated below.

Management Board	5 calendar days, 4 calendar days for an extraordinary meeting
Advisory Board	2 calendar days

6.2.2.5 During a meeting the Members of a Consortium Body present or represented can unanimously agree to add a new item to the original agenda.

6.2.2.6 Any decision may also be taken without a meeting if the Coordinator circulates to all Members of the Consortium Body a written document which is then agreed by the defined majority (see Section 6.2.3.) of all Members of the Consortium Body. Such document shall include the deadline for responses.

6.2.2.7 Meetings of each Consortium Body may also be held by teleconference or other telecommunication means.

6.2.2.8 Decisions will only be binding once the relevant part of the Minutes has been accepted according to Section 6.2.5.

6.2.3 Voting rules and quorum

6.2.3.1 Each Consortium Body shall not require quorum in the meetings

6.2.3.2 Each Beneficiary present or represented in the meeting shall have one vote. The Equality Officer has an advisory role but cannot vote.

6.2.3.3 Defaulting Parties may not vote.

6.2.3.4 In the Management Board, decisions shall be taken by a majority of two-thirds (2/3) of the votes cast. In the Advisory Board, decisions shall be taken by a majority of two-thirds (2/3) of the votes cast.

6.2.4 Veto rights

6.2.4.1 A Member which can show that its own work, time for performance, costs, liabilities, intellectual property rights or other legitimate interests would be severely affected by a decision of a Consortium Body may exercise a veto with respect to the corresponding decision or relevant part of the decision.

6.2.4.2 When the decision is foreseen on the original agenda, a Member may veto such a decision during the meeting only.

6.2.4.3 When a decision has been taken on a new item added to the agenda before or during the meeting, a Member may veto such decision during the meeting and within 15 calendar days after the draft minutes of the meeting are sent.

6.2.4.4 In case of exercise of veto, the Members of the related Consortium Body shall make every effort to resolve the matter which occasioned the veto to the general satisfaction of all its Members.

6.2.4.5 A Party may not veto decisions relating to its identification as a Defaulting Party. The Defaulting Party may not veto decisions relating to its participation and termination in the consortium or the consequences of them.

6.2.4.6 A Party requesting to leave the consortium may not veto decisions relating thereto.

6.2.5 Minutes of meetings

6.2.5.1 The chairperson of a Consortium Body shall produce written minutes of each meeting which shall be the formal record of all decisions taken. She/He shall send the draft minutes to all Members within 14 calendar days of the meeting.

6.2.5.2 The minutes shall be considered as accepted if, within 15 calendar days from sending, no Member has sent an objection in writing to the chairperson with respect to the accuracy of the draft of the minutes.

6.2.5.3 The chairperson shall send the accepted minutes to all the Members of the Consortium Body and to the Coordinator, who shall safeguard them.

If requested the Coordinator shall provide authenticated duplicates to Parties.

6.3 Specific operational procedures for the Consortium Bodies

6.3.1 Management Board

In addition to the rules described in Section 6.2, the following rules apply:

6.3.1.1 Members

6.3.1.1.1 The Management Board shall consist of

- the Coordinator,
- one professor-level representative of each Party and
- the Equality Officer ,

having thus a total of 7 members (hereinafter Management Board Member). Further, the Coordinator can invite up to two members without voting rights from the Coordinator's organization for management support.

For clarity, each Beneficiary shall have one vote regardless of the number of Management Board Members it has present or represented in a meeting.

6.3.1.1.2 Each Management Board Member shall be deemed to be duly authorised to deliberate, negotiate and decide on all matters listed in Section 6.3.1.2. of this Consortium Agreement.

6.3.1.1.3 The Coordinator shall chair all meetings of the Management Board, unless decided otherwise by a majority of two-thirds of the Management Board Members in writing prior to a meeting.

6.3.1.1.4 The Parties agree to abide by all decisions of the Management Board. This does not prevent the Parties to submit a dispute to resolution in accordance with the provisions of Settlement of disputes in Section 11.8.

6.3.1.2 Decisions

The Management Board shall be free to act on its own initiative to formulate proposals and take decisions in accordance with the procedures set out herein. In addition, all proposals made by the Advisory Board shall also be considered and decided upon by the Management Board.

The following decisions shall be taken by the Management Board:

Content, finances and intellectual property rights

- Proposals for changes to Annexes 1 and 2 of the Grant Agreement to be agreed by the Funding Authority
- Changes to the Consortium Plan
- Modifications to Appendix 1 (Background Included) according to 9.1.2
- Additions to Appendix 3 (List of Third Parties for simplified transfer according to Section 8.2.2)
- Additions to Appendix 4 (Identified Affiliated Entities)]
- Modifications to Appendix 8 (Consortium Plan Budget)

Evolution of the consortium

- Entry of a new Party to the consortium and approval of the settlement on the conditions of the accession of such a new Party

- Withdrawal of a Party from the consortium and the approval of the settlement on the conditions of the withdrawal
- Identification of a breach by a Party of its obligations under this Consortium Agreement or the Grant Agreement
- Declaration of a Party to be a Defaulting Party
- Remedies to be performed by a Defaulting Party
- Termination of a Defaulting Party's participation in the consortium and measures relating thereto
- Proposal to the Funding Authority for a change of the Coordinator
- Proposal to the Funding Authority for suspension of all or part of the Project
- Proposal to the Funding Authority for termination of the Project and the Consortium Agreement

Further, the Management Board shall:

- i) Implement the network-wide activities and the local training and issue recommendations for improvements, if needed;
- ii) Manage the recruitment process (section 3.2.5 of Annex 1 of the Grant Agreement);
- iii) Oversee the quality and quantity of supervision of the ESRs and evaluate ESRs' work progress and their career development;
- iv) Manage the project operations and implementing the network-wide activities;
- v) Facilitate collaboration between beneficiaries and partners in organisation of network-wide events;
- vi) Ensure legal compliance based on the rules of the EC Grant Agreement and the CA, including the selection and recruitment procedures and principles, IPR, and the supervision arrangements;
- vii) Act as arbitrator in any disagreements between participants that cannot be solved at the local level.
- viii) prepare the content and timing of press releases and joint publications by the consortium or proposed by the Funding Authority in respect of the procedures of the Grant Agreement Article 29

6.3.2 Advisory Board

In addition to the rules in Section 6.2, the following rules shall apply:

6.3.2.1 Members

The Advisory Board shall consist of

- the Coordinator,
- one post-doc-level representative of each Party,
- one representative of each Partner Organisation
 - as listed in in section 4 of the Annex I to the GA,
- Project and Training Manager,
- Equality Officer and
- two ESRs as representative of the ESRs as jointly elected by ESRs

(hereinafter Advisory Board Members).

Nowwithstanding anything to the contrary above in 6.2.3.2, each Advisory Board Member shall have one vote.

The Coordinator shall chair all meetings of the Advisory Board, unless decided otherwise by a majority of two-thirds of the Advisory Board Members in writing prior to a meeting.

6.3.2.2 Minutes of meetings

Minutes of Advisory Board meetings, once accepted, shall be sent by the chairperson to the Management Board Members for information.

6.3.2.3 Tasks

6.3.2.3.1 The Advisory Board shall seek a consensus among the Parties.

6.3.2.3.4 The Advisory Board shall monitor the effective and efficient implementation of the Project.

6.3.2.3.5 The Advisory Board shall:

- oversee the quality of the research training programme and ensure an adequate balance between scientific/technological and transferable skills training
- ensure that the skills acquired by ESRs fulfil the needs of both academia and the non-academic sector in order to enhance the intersectoral employability of the ESRs
- establish an active and continuous communication and exchange of best practice among the Parties, Partner Organisations, ESR and any stakeholders involved in the Project to maximise the benefits of the partnership
- oversee the quality and quantity of supervision of the ESRs
- evaluate and explore possible Intellectual Property commercial exploitation
- set procedures for the dealing with cases of scientific misconduct

6.3.2.3.6 In the case of abolished tasks as a result of a decision of the Management Board, the Advisory Board shall advise the Management Board on ways to rearrange tasks of the Parties concerned. Such rearrangement shall take into consideration the legitimate commitments taken prior to the decisions, which cannot be cancelled.

6.4 Coordinator

6.4.1 The Coordinator shall be the intermediary between the Parties and the Funding Authority and shall perform all tasks assigned to it as described in the Grant Agreement and in this Consortium Agreement.

6.4.2 In particular, the Coordinator shall be responsible for:

- monitoring compliance by the Parties with their obligations
- keeping the address list of Members and other contact persons updated and available
- collecting, reviewing to verify consistency and submitting reports, other deliverables (including financial statements and related certifications) and specific requested documents to the Funding Authority
- transmitting documents and information connected with the Project to any other Parties concerned
- administering the financial contribution of the Funding Authority and fulfilling the financial tasks described in Section 7.3
- providing, upon request, the Parties with official copies or originals of documents which are in the sole possession of the Coordinator when such copies or originals are necessary for the Parties to present claims.

If one or more of the Parties is late in submission of any Project deliverable, the Coordinator may nevertheless submit the other parties' Project deliverables and all other documents required by the Grant Agreement to the Funding Authority in time.

6.4.3 If the Coordinator fails in its coordination tasks, the Management Board may propose to the Funding Authority to change the Coordinator.

6.4.4 The Coordinator shall not be entitled to act or to make legally binding declarations on behalf of any other Party or of the consortium, unless explicitly stated otherwise in the Grant Agreement or this Consortium Agreement

6.4.5 The Coordinator shall not enlarge its role beyond the tasks specified in this Consortium Agreement and in the Grant Agreement.

6.5 Project and Training Manager

The Project and Training Manager as appointed by TUT shall assist in the execution of the Coordinator's duties such as monitoring the technical progress and achieving objectives and milestones. The Project and Training Manager will also act as a contact person for ESRs for any issues that may rise regarding their training activities and PCDP.

6.6 Equality Officer

6.6.1. The Equality Officer shall oversee the recruitment process and monitor the fair treatment, equal opportunities, and gender-related issues all through the project.

6.7 ESR Supervisors

6.7.1 The ESR supervisors are in charge of supervising the scientific work of ESRs, will meet regularly with the ESR to discuss progress and provide scientific guidance and training. They assist the ESRs in drawing up a Personal Career Development Plan and monitor their training progress.

6.8 Working Package Leaders

6.8.1 Working Package Leader is responsible for coordinating the project tasks within a given Work Package and for collecting in time and integrating (if needed) the deliverables pertaining to that working package.

6.9 Recruitment and selection

6.9.1 The recruitment and selection process will follow the procedure established in the Annex 1 of GA

6.9.2 All members of the Management Board and of the Advisory Board commit to evaluate the applicants by paying special attention to the gender balance within the network.

6.10 ESR Representatives

6.10.1 The two ESR Representatives act on behalf of the ESRs at Advisory Board level and both are entitled to one vote. the representatives are elected by and among the ESRs by simple majority (50%+1) for a period of 12 months. After such period, a new election will take place.

6.11 Specific provisions for employment of ESRs

6.11.1 ESRs and their employing institutions will sign an agreement which defines their respective role, entitlements and responsibilities, as specified in Article 32 of the Grant Agreement.

6.11.2 The ESR and his/her supervisor are obliged to complete a Personal Career Development Plan which defines the ESR's objectives over both the short and long term (Article 32.1.(l)). A template for the Personal Career Development Plan is included here as Appendix 5.

Section 7: Financial provisions

7.1 General Principles

7.1.1 Distribution of Financial Contribution

The financial contribution of the Funding Authority to the Project shall be distributed by the Coordinator according to:

- the Consortium Plan
- the approval of reports by the Funding Authority, and
- the provisions of payment in Section 7.3.

A Party shall be funded only for its tasks carried out in accordance with the Consortium Plan.

A Partner Organisation shall have no entitlement to any portion of the financial contribution provided by the Funding Authority unless separately agreed in writing with the Party concerned for the Partner Organisation's tasks carried out in accordance with the Consortium Plan.

7.1.2 Justifying Costs

In accordance with its own usual accounting and management principles and practices, each Party shall be solely responsible for justifying its implementation of units with respect to the Project towards the Funding Authority. Neither the Coordinator nor any of the other Parties shall be in any way liable or responsible for such justification of implementation of units towards the Funding Authority.

7.1.3 Funding Principles

A Party which implements less units than foreseen in the Consortium Plan will be funded in accordance with its actual duly justified eligible costs only.

A Party that spends more than its allocated share of the budget as set out in the Consortium Plan will be funded only in respect of duly justified eligible costs up to an amount not exceeding that share.

Upon decision of the Management Board, the EU contribution might be re-distributed among the Parties as per Article 6.3.1.2 and upon approval of the Funding Authority.

7.1.4 Financial Consequences of the termination of the participation of a Party

A Party leaving the consortium shall refund all payments it has received except the amount of contribution accepted by the Funding Authority or another contributor. Furthermore a leaving Party shall, within the limits specified in Section 5.2 of this Consortium Agreement, bear any reasonable and justifiable additional costs occurring to the other Parties in order to perform its and their tasks or the transfer or reassignment of said tasks, irrespective whether its participation is terminated for convenience or for another reason.

7.1.5 Allocation of Research, Training & Networking costs category and Management and Overheads cost category

- The Parties agree that the estimated budget for the Project as indicated in Grant Agreement Annex 2 does not apply. Instead, the estimated budget for the Project as indicated in Appendix 8 of this Consortium Agreement shall apply.

7.2 Budgeting

The budget set out in the Consortium Plan shall be valued in accordance with the usual accounting and management principles and practices of the respective Parties.

7.3 Payments

7.3.1 Payments to Parties are the exclusive tasks of the Coordinator. Optional payments to a Partner Organisation are the exclusive task of the Party concerned.

In particular, the Coordinator shall:

- notify the Party concerned promptly of the date and composition of the amount transferred to its bank account, giving the relevant references
- perform diligently its tasks in the proper administration of any funds and in maintaining financial accounts
- undertake to keep the Community financial contribution to the Project separated from its normal business accounts, its own assets and property, except if the Coordinator is a Public Body or is not entitled to do so due to statutory legislation.
- With reference to Articles 21.2 and 21.3.2 of the Grant Agreement, no Party shall before the end of the Project receive more than its allocated share of the maximum grant amount from which the amounts retained by the Funding Authority for the Guarantee Fund and for the final payment have been deducted.

7.3.2 Funding of implementation of units included in the Consortium Plan will be paid to Parties after receipt from the Funding Authority without undue delay and in conformity with the provisions of the Grant Agreement. Implementation of units accepted by the Funding Authority will be paid to the Party concerned.

The Coordinator is entitled to withhold any payments due to a Party identified by a responsible Consortium Body to be in breach of its obligations under this Consortium Agreement or the Grant Agreement or to a Party which has not yet signed this Consortium Agreement.

The Coordinator is entitled to recover any payments already paid to a Defaulting Party. The Coordinator is equally entitled to withhold payments to a Party when this is suggested by or agreed with the Funding Authority.

Section 8: Results

8.0 Ownership of Results

Results are owned by the Party that generates them.

For the purposes of this Section 8, where Results are generated by an ESR in execution of this Project during a Secondment, the "Party that generates them" is understood to be the entity employing the ESR, unless separately agreed in writing on a per-Secondment basis.

8.1 Joint ownership

Unless otherwise agreed:

- each of the joint owners shall be entitled to use their jointly owned Results for non-commercial research activities on a royalty-free basis, and without requiring the prior consent of the other joint owner(s), and
- each of the joint owners shall be entitled to otherwise Exploit the jointly owned Results and to grant non-exclusive licenses to third parties (without any right to sub-license), if the other joint owners are given:
 - (a) at least 45 calendar days advance notice; and
 - (b) Fair and Reasonable compensation.

8.2 Transfer of Results

8.2.1 Each Party may transfer ownership of its own Results following the procedures of the Grant Agreement Article 30.

8.2.2 It may identify specific third parties it intends to transfer the ownership of its Results to in Appendix (3) to this Consortium Agreement. The other Parties hereby waive their right to prior notice and their right to object to a transfer to listed third parties according to the Grant Agreement Article 30.1.

8.2.3 The transferring Party shall, however, at the time of the transfer, inform the other Parties of such transfer and shall ensure that the rights of the other Parties will not be affected by such transfer. Any addition to Appendix (3) after signature of this Agreement requires a decision of the Management Board.

8.2.4 The Parties recognize that in the framework of a merger or an acquisition of an important part of its assets, it may be impossible under applicable EU and national laws on mergers and acquisitions for a Party to give the full 45 calendar days prior notice for the transfer as foreseen in the Grant Agreement.

8.2.5 The obligations above apply only for as long as other Parties still have - or still may request - Access Rights to the Results.

8.3 Dissemination

8.3.1 Dissemination of own Results

8.3.1.1 During the Project and for a period of 1 year after the end of the Project, the dissemination of own Results by one or several Parties including but not restricted to publications and presentations, shall be governed by the procedure of Article 29.1 of the Grant Agreement subject to the following provisions.

Prior notice of any planned publication shall be given to the other Parties at least 45 calendar days before the publication. Any objection to the planned publication shall be made in accordance with the Grant Agreement in writing to the Coordinator and to the Party or Parties proposing the dissemination within 30 calendar days after receipt of the notice. If no objection is made within the time limit stated above, the publication is permitted.

8.3.1.2 An objection is justified if

- a) the protection of the objecting Party's Results or Background would be adversely affected
- b) the objecting Party's legitimate academic or commercial interests in relation to the Results or Background would be significantly harmed.

The objection has to include a precise request for necessary modifications.

8.3.1.3 If an objection has been raised the involved Parties shall discuss how to overcome the justified grounds for the objection on a timely basis (for example by amendment to the planned publication and/or by protecting information before publication) and the objecting Party shall not unreasonably continue the opposition if appropriate measures are taken following the discussion.

The objecting Party can request a publication delay of not more than 15 calendar days from the time it raises such an objection. After 15 calendar days the publication is permitted, provided that Confidential Information of the objecting Party has been removed from the Publication as indicated by the objecting Party.

8.3.2 Dissemination of another Party's unpublished Results or Background

A Party shall not include in any dissemination activity another Party's Results or Background without obtaining the owning Party's prior written approval, unless they are already published.

8.3.3 Cooperation obligations

The Parties undertake to cooperate to allow the timely submission, examination, publication and defence of any dissertation or thesis for a degree which includes their Results or Background subject to the confidentiality and publication provisions agreed in this Consortium Agreement.

8.3.4 Use of names, logos or trademarks

Nothing in this Consortium Agreement shall be construed as conferring rights to use in advertising, publicity or otherwise the name of the Parties or any of their logos or trademarks without their prior written approval.

Section 9: Access Rights

9.1 Background included

9.1.1 In Appendix 1, the Parties have identified and agreed on the Background for the Project and have also, where relevant, informed each other that Access to specific Background is subject to legal restrictions or limits.

Anything not identified in Appendix 1 shall not be the object of Access Right obligations regarding Background.

9.1.2 Any Party can propose to the Management Board to modify its Background in Appendix 1. Modifications or additions to, or removals of, Background listed in Appendix 1 by a Party shall be contingent on the approval of the Management Board.

9.1.3 The Parties must – on a royalty-free basis – give access to the recruited ESR:s to Background necessary for their research training activities under this Project.

9.2 General Principles

9.2.1 Each Party shall implement its tasks in accordance with the Consortium Plan and shall bear sole responsibility for ensuring that its acts within the Project do not knowingly infringe third party property rights.

9.2.2 Any Access Rights granted expressly exclude any rights to sublicense unless expressly stated otherwise.

9.2.3 Access Rights shall be free of any administrative transfer costs.

9.2.4 Access Rights are granted on a non-exclusive basis.

9.2.5 Results and Background shall be used only for the purposes for which Access Rights to it have been granted.

9.2.6 All requests for Access Rights shall be made in writing.
The granting of Access Rights may be made conditional on the acceptance of specific conditions aimed at ensuring that these rights will be used only for the intended purpose and that appropriate confidentiality obligations are in place.

9.2.7 The requesting Party must show that the Access Rights are Needed.

9.3 Access Rights for implementation

Access Rights to Results and Background Needed for the performance of the own work of a Party under the Project shall be granted on a royalty-free basis, unless otherwise agreed for Background in Appendix 1.

9.4 Access Rights for Exploitation

9.4.1 Access Rights to Results if Needed for Exploitation of a Party's own Results shall be granted on Fair and Reasonable conditions.

Access rights to Results for internal research activities shall be granted on a royalty-free basis.

9.4.2 Access Rights to Background if Needed for Exploitation of a Party's own Results, including for research on behalf of a third party, shall be granted on Fair and Reasonable conditions.

9.4.3 A request for Access Rights may be made up to twelve months after the end of the Project or, in the case of Section 9.7.2.1.2, after the termination of the requesting Party's participation in the Project.

9.5 Access Rights for Affiliated Entities

Affiliated Entities have Access Rights under the conditions of the Grant Agreement Articles 25.4 and 31.4. if they are identified in Appendix 4 (Identified Affiliated Entities) to this Consortium Agreement].

Such Access Rights must be requested by the Affiliated Entity from the Party that holds the Background or Results. Alternatively, the Party granting the Access Rights may individually agree with the Party requesting the Access Rights to have the Access Rights include the right to sublicense to the latter's Affiliated Entities listed in Appendix 4. Access Rights to Affiliated Entities shall be granted on Fair and Reasonable conditions and upon written bilateral agreement.

Affiliated Entities which obtain Access Rights in return fulfil all confidentiality and other obligations accepted by the Parties under the Grant Agreement or this Consortium Agreement as if such Affiliated Entities were Parties.

Access Rights may be refused to Affiliated Entities if such granting is contrary to the legitimate interests of the Party which owns the Background or the Results.

Access Rights granted to any Affiliated Entity are subject to the continuation of the Access Rights of the Party to which it is affiliated, and shall automatically terminate upon termination of the Access Rights granted to such Party.

Upon cessation of the status as an Affiliated Entity, any Access Rights granted to such former Affiliated Entity shall lapse.

Further arrangements with Affiliated Entities may be negotiated in separate agreements.

9.6 Additional Access Rights

For the avoidance of doubt any grant of Access Rights not covered by the Grant Agreement or this Consortium Agreement shall be at the absolute discretion of the owning Party and subject to such terms and conditions as may be agreed between the owning and receiving Parties.

9.7 Access Rights for Parties entering or leaving the consortium

9.7.1 New Parties entering the consortium

As regards Results developed before the accession of the new Party, the new Party will be granted Access Rights on the conditions applying for Access Rights to Background.

9.7.2 Parties leaving the consortium

9.7.2.1 Access Rights granted to a leaving Party

9.7.2.1.1 Defaulting Party

Access Rights granted to a Defaulting Party and such Party's right to request Access Rights shall cease immediately upon receipt by the Defaulting Party of the formal notice of the decision of the Management Board to terminate its participation in the consortium.

9.7.2.1.2 Non-defaulting Party

A non-defaulting Party leaving voluntarily and with the other Parties' consent shall have Access Rights to the Results developed until the date of the termination of its participation. It may request Access Rights within the period of time specified in Section 9.4.3.

9.7.2.2 Access Rights to be granted by any leaving Party

Any Party leaving the Project shall continue to grant Access Rights pursuant to the Grant Agreement and this Consortium Agreement as if it had remained a Party for the whole duration of the Project.

9.8 Specific provisions for Access Rights to Software

9.8.1 Definitions relating to Software

"Application Programming Interface" means the application programming interface materials and related documentation containing all data and information to allow skilled Software developers to create Software interfaces that interface or interact with other specified Software.

"Controlled Licence Terms" means terms in any licence that require that the use, copying, modification and/or distribution of Software or another work ("Work") and/or of any work that is a modified version of or is a derivative work of such Work (in each case, "Derivative Work") be subject, in whole or in part, to one or more of the following:

- a) (where the Work or Derivative Work is Software) that the Source Code or other formats preferred for modification be made available as of right to any third party on request, whether royalty-free or not;
- b) that permission to create modified versions or derivative works of the Work or Derivative Work be granted to any third party;
- c) that a royalty-free licence relating to the Work or Derivative Work be granted to any third party.

For the avoidance of doubt, any Software licence that merely permits (but does not require any of) the things mentioned in (a) to (c) is not a Controlled Licence (and so is an Uncontrolled Licence).

“Object Code” means software in machine-readable, compiled and/or executable form including, but not limited to, byte code form and in form of machine-readable libraries used for linking procedures and functions to other software.

“Software Documentation” means software information, being technical information used, or useful in, or relating to the design, development, use or maintenance of any version of a software programme.

“Source Code” means software in human readable form normally used to make modifications to it including, but not limited to, comments and procedural code such as job control language and scripts to control compilation and installation.

9.8.2. General principles

For the avoidance of doubt, the general provisions for Access Rights provided for in this Section 9 are applicable also to Software as far as not modified by this Section 9.8.

Parties' Access Rights to Software do not include any right to receive Source Code or Object Code ported to a certain hardware platform or any right to receive Source Code, Object Code or respective Software Documentation in any particular form or detail, but only as available from the Party granting the Access Rights.

The intended introduction of Intellectual Property (including, but not limited to Software) under Controlled Licence Terms in the Project requires the approval of the Management Board to implement such introduction into the Consortium Plan.

9.8.3. Access to Software

Access Rights to Software which is Results shall comprise:

- Access to the Object Code; and,
- where normal use of such an Object Code requires an Application Programming Interface (hereafter API), Access to the Object Code and such an API; and,
- if a Party can show that the execution of its tasks under the Project or the Exploitation of its own Results is technically or legally impossible without Access to the Source Code, Access to the Source Code to the extent necessary.

Background shall only be provided in Object Code unless otherwise agreed between the Parties concerned.

9.8.4. Software licence and sublicensing rights

9.8.4.1 Object Code

9.8.4.1.1 Results - Rights of a Party

Where a Party has Access Rights to Object Code and/or API which is Results for Exploitation, such Access shall, in addition to the Access for Exploitation foreseen in Section 9.4, as far as Needed for the Exploitation of the Party's own Results, comprise the right:

- to make an unlimited number of copies of Object Code and API; and
- to distribute, make available, market, sell and offer for sale such Object Code and API alone or as part of or in connection with products or services of the Party having the Access Rights;

provided however that any product, process or service has been developed by the Party having the Access Rights in accordance with its rights to exploit Object Code and API for its own Results.

If it is intended to use the services of a third party for the purposes of this Section 9.8.4.1.1, the Parties concerned shall agree on the terms thereof with due observance of the interests of the Party granting the Access Rights as set out in Section 9.2 of this Consortium Agreement.

9.8.4.1.2 Results - Rights to grant sublicenses to end-users

In addition, Access Rights to Object Code shall, as far as Needed for the Exploitation of the Party's own Results, comprise the right to grant in the normal course of the relevant trade to end-user customers buying/using the product/services, a sublicense to the extent as necessary for the normal use of the relevant product or service to use the Object Code alone or as part of or in connection with or integrated into products and services of the Party having the Access Rights and, as far as technically essential:

- to maintain such product/service;
- to create for its own end-use interacting interoperable software in accordance with the Directive 2009/24/EC of the European Parliament and of the Council of 23 April 2009 on the legal protection of computer programs

9.8.4.1.3 Background

For the avoidance of doubt, where a Party has Access Rights to Object Code and/or API which is Background for Exploitation, Access Rights exclude the right to sublicense. Such sublicensing rights may, however, be negotiated between the Parties.

9.8.4.2 Source Code

9.8.4.2.1 Results - Rights of a Party

Where, in accordance with Section 9.8.3, a Party has Access Rights to Source Code which is Results for Exploitation, Access Rights to such Source Code, as far as Needed for the Exploitation of the Party's own Results, shall comprise a worldwide right to use, to make copies, to modify, to develop, to adapt Source Code for research, to create/market a product/process and to create/provide a service.

If it is intended to use the services of a third party for the purposes of this Section 9.8.4.2.1, the Parties shall agree on the terms thereof, with due observance of the interests of the Party granting the Access Rights as set out in Section 9.2 of this Consortium Agreement.

9.8.4.2.2 Results – Rights to grant sublicenses to end-users

In addition, Access Rights, as far as Needed for the Exploitation of the Party's own Results, shall comprise the right to sublicense such Source Code, but solely for purpose of adaptation, error correction, maintenance and/or support of the Software.

Further sublicensing of Source Code is explicitly excluded.

9.8.4.2.3 Background

For the avoidance of doubt, where a Party has Access Rights to Source Code which is Background for Exploitation, Access Rights exclude the right to sublicense. Such sublicensing rights may, however, be negotiated between the Parties.

9.8.5 Specific formalities

Each sublicense granted according to the provisions of Section 9.8.4 shall be made by a traceable agreement specifying and protecting the proprietary rights of the Party or Parties concerned.

Section 10: Non-disclosure of information

10.1 All information in whatever form or mode of communication, which is disclosed by a Party (the "Disclosing Party") to any other Party (the "Recipient") in connection with the Project during its implementation and which has been explicitly marked as "confidential" at the time of disclosure, or when disclosed orally has been identified as confidential at the time of disclosure and has been confirmed and designated in writing within 15 calendar days from oral disclosure at the latest as confidential information by the Disclosing Party, is "Confidential Information".

10.2 The Recipients hereby undertake in addition and without prejudice to any commitment of non-disclosure under the Grant Agreement, for a period of 4 years after the end of the Project:

- not to use Confidential Information otherwise than for the purpose for which it was disclosed;
- not to disclose Confidential Information to any third party without the prior written consent by the Disclosing Party;
- to ensure that internal distribution of Confidential Information by a Recipient shall take place on a strict need-to-know basis; and
- to return to the Disclosing Party on demand all Confidential Information which has been supplied to or acquired by the Recipients including all copies thereof and to delete all information stored in a machine readable form. The Recipients may keep a copy to the extent it is required to keep, archive or store such Confidential Information because of compliance with applicable laws and regulations or for the proof of on-going obligations.

10.3 The Recipients shall be responsible for the fulfilment of the above obligations on the part of their employees or third parties involved in the Project and shall ensure that they remain so obliged, as far as legally possible, during and after the end of the Project and/or after the termination of the contractual relationship with the employee or third party.

10.4 The above shall not apply for disclosure or use of Confidential Information, if and in so far as the Recipient can show that:

- the Confidential Information becomes publicly available by means other than a breach of the Recipient's confidentiality obligations;
- the Disclosing Party subsequently informs the Recipient that the Confidential Information is no longer confidential;
- the Confidential Information is communicated to the Recipient without any obligation of confidence by a third party who is to the best knowledge of the Recipient in lawful possession thereof and under no obligation of confidence to the Disclosing Party;
- the disclosure or communication of the Confidential Information is foreseen by provisions of the Grant Agreement;
- the Confidential Information, at any time, was developed by the Recipient completely independently of any such disclosure by the Disclosing Party; or
- the Confidential Information was already known to the Recipient prior to disclosure or
- the Recipient is required to disclose the Confidential Information in order to comply with applicable laws or regulations or with a court or administrative order, subject to the provision Section 10.7 hereunder.

10.5 The Recipient shall apply the same degree of care with regard to the Confidential Information disclosed within the scope of the Project as with its own confidential and/or proprietary information, but in no case less than reasonable care.

10.6 Each Party shall promptly advise the other Party in writing of any unauthorised disclosure, misappropriation or misuse of Confidential Information after it becomes aware of such unauthorised disclosure, misappropriation or misuse.

10.7 If any Party becomes aware that it will be required, or is likely to be required, to disclose Confidential Information in order to comply with applicable laws or regulations or with a court or administrative order, it shall, to the extent it is lawfully able to do so, prior to any such disclosure

- notify the Disclosing Party, and
- comply with the Disclosing Party's reasonable instructions to protect the confidentiality of the information.

Section 11: Management of Personal Data

11.1 Personal Data, as referred to herein, means any information relating to an identified or identifiable natural person, including but not limited to a name, an identification number, tracking/location data, an online identifier or one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person.

11.2 Each Party shall be responsible for its operations involving collection or processing of Personal Data, and warrants that it has appropriate technical and organisational measures in place in order to safeguard the rights and freedoms of data subjects.

11.3 Where third parties are used in processing of Personal Data, each Party warrants to have appropriate technical and organisational measures in place in order to safeguard the rights and freedoms of data subjects.

11.4 Each Party engaged in collection or processing of Personal Data in implementation of the Project warrants that:

- where so required by applicable data protection legislation, has appointed a Data Protection Officer (DPO), who monitors the data processing activities of the pertinent consortium member in connection with the implementation of the Project, with the details of the respective DPO made available to all data subjects involved in the research activities of that Party;
- where not required by applicable data protection legislation to appoint a Data Protection Officer, it will have in place a detailed data protection policy for the Project, and that the policy is kept on file and made available to the Coordinator on request.

11.5 Any sharing of Personal Data across the consortium shall be strictly based on necessity, i.e. where Needed for the implementation of the Project. Each Party disclosing Personal Data shall take all reasonable measures to anonymize, as far as reasonably possible, any Personal Data prior to disclosure. The terms of disclosure, as well as the pertinent roles and responsibilities, shall be agreed on separately between the disclosing and receiving parties.

11.6 Notwithstanding Anything to the contrary in this Agreement, each Party shall be fully and solely liable for a breach of warranties stipulated herein, whether the breach is attributable to the Party itself or its employees, officers, affiliates or related third parties.

Section 12: Dual use and military applications

12.1 The Parties express their mutual desire to ensure that the localization technology developed within the Project will only serve the civil society. Therefore, the development of any direct military applications for the technology developed within the Project is hereby strictly prohibited. The Parties agree to disclose in their periodic reporting the i) details of potential dual use implications of their research, as well as ii) the risk-mitigation strategies applicable to the identified risks.

12.2 Any Access rights referred to in Section 9 do not apply to, and no licenses are granted for, any military use of the Foreground and/or Background.

12.4 Notwithstanding anything to the contrary in this Agreement, each Party shall be fully and solely liable for a breach of obligations stipulated herein, whether the breach is attributable to the Party itself or its employees, officers, affiliates or related third parties.

Section 13: Miscellaneous

13.1 Appendices, inconsistencies and severability

This Consortium Agreement consists of this core text and
Appendix 1 (Background included)
Appendix 2 (Accession document)
Appendix 3 (List of Third Parties for simplified transfer according to Section 8.2.2)
Appendix 4 (Identified Affiliated Entities according to Sec. 9.5)
Appendix 5 (Template for Career Development Plan)
Appendix 6 (Commitment of Partner Organisation)
Appendix 7 (Template for Secondment Agreement)
Appendix 8 (Consortium Plan Budget)

In case the terms of this Consortium Agreement are in conflict with the terms of the Grant Agreement, the terms of the latter shall prevail. In case of conflicts between the Appendices and the core text of this Consortium Agreement, the latter shall prevail.

Should any provision of this Consortium Agreement become invalid, illegal or unenforceable, it shall not affect the validity of the remaining provisions of this Consortium Agreement. In such a case, the Parties concerned shall be entitled to request that a valid and practicable provision be negotiated which fulfils the purpose of the original provision.

13.2 No representation, partnership or agency

Except as otherwise provided in Section 6.4.4, no Party shall be entitled to act or to make legally binding declarations on behalf of any other Party or of the consortium. Nothing in this Consortium Agreement shall be deemed to constitute a joint venture, agency, partnership, interest grouping or any other kind of formal business grouping or entity between the Parties.

13.3 Notices and other communication

Any notice to be given under this Consortium Agreement shall be in writing to the addresses and recipients as listed in the most current address list kept by the Coordinator.

Formal notices:

If it is required in this Consortium Agreement (Sections 4.2, 9.7.2.1.1, and 13.4) that a formal notice, consent or approval shall be given, such notice shall be signed by an authorised representative of a Party and shall either be served personally or sent by mail with recorded delivery or telefax with receipt acknowledgement.

Other communication:

Other communication between the Parties may also be effected by other means such as e-mail with acknowledgement of receipt, which fulfils the conditions of written form.

Any change of persons or contact details shall be notified immediately by the respective Party to the Coordinator. The address list shall be accessible to all concerned.

13.4 Assignment and amendments

Except as set out in Section 8.2, no rights or obligations of the Parties arising from this Consortium Agreement may be assigned or transferred, in whole or in part, to any third party without the other Parties' prior formal approval. However, this Agreement and the rights and obligations pertaining thereto shall transfer on January 1st 2019 from the Coordinator to Tampere University Foundation sr created for the merger of three Tampere-based higher education institutions. The Coordinator is responsible for obtaining required approvals from, and providing required information to, the Funding Authority.

Amendments and modifications to the text of this Consortium Agreement not explicitly listed in Section 6.3.1.2 require a separate written agreement to be signed between all Parties.

13.5 Mandatory national law

Nothing in this Consortium Agreement shall be deemed to require a Party to breach any mandatory statutory law under which the Party is operating.

13.6 Language

This Consortium Agreement is drawn up in English, which language shall govern all documents, notices, meetings, arbitral proceedings and processes relative thereto.

13.7 Applicable law

This Consortium Agreement shall be construed in accordance with and governed by the laws of Belgium excluding its conflict of law provisions.

13.8 Settlement of disputes

The parties shall endeavour to settle their disputes amicably.

All disputes arising out of or in connection with this Consortium Agreement, which cannot be solved amicably, shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said Rules.

The place of arbitration shall be Brussels if not otherwise agreed by the conflicting Parties.

The award of the arbitration will be final and binding upon the Parties.

Nothing in this Consortium Agreement shall limit the Parties' right to seek injunctive relief in any applicable competent court.

- - SIGNATURE PAGE(S) FOLLOW - -

Section 14: Signatures (TUT)

14.1 TUT

AS WITNESS:

The Parties have caused this Consortium Agreement to be duly signed by the undersigned authorised representatives in separate signature pages.


TTY SÄÄTIÖ SR ("TUT"),
KORKEAKOULUNKATU 10, TAMPERE 33720, Finland,
VAT number: FI22861063

Signature

Name

Title

Date


JARMO TAKALA
VICE PRESIDENT
3.12.2018

Section 14: Signatures (UJI)

14.2 UJI

AS WITNESS:

The Parties have caused this Consortium Agreement to be duly signed by the undersigned authorised representatives in separate signature pages.

UNIVERSITAT JAUME I DE CASTELLON ("UJI")

AVENIDA VICENT SOS BAYNAT S/N, CASTELLON DE LA PLANA 12006, Spain,
VAT number: ESQ6250003H;

Signature



Name

Eva Alceda Soler
Rectora

Title

Date

21st December 2018



Section 14: Signatures (BUT)

14.3 BUT

AS WITNESS:

The Parties have caused this Consortium Agreement to be duly signed by the undersigned authorised representatives in separate signature pages.

VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ ("BUT")

ANTONINSKÁ 548/1, BRNO-STŘED 601 90, Czech Republic;

VAT number: CZ00216305;

Signature



Name prof. RNDr. Ing. Petr Štěpánek, CSc., dr. h. c.

Title Rector

Date 4. 12. 2018

Section 14: Signatures (UPB)

14.4 UPB

AS WITNESS:

The Parties have caused this Consortium Agreement to be duly signed by the undersigned authorised representatives in separate signature pages.

UNIVERSITATEA POLITEHNICA DIN BUCURESTI ("UPB")
SPLAIUL INDEPENDENTEI 313 SECT 6, BUCHAREST 060042, Romania,
VAT number: RO4183199,

Signature



Name

Mihnea COSTOIU

Title

Rector

Date

4 December 2018



Section 14: Signatures (URC)

14.5 URC

AS WITNESS:

The Parties have caused this Consortium Agreement to be duly signed by the undersigned authorised representatives in separate signature pages.

UNIVERSITA DEGLI STUDI MEDITERRANEA DI REGGIO CALABRIA ("URC")

VIA SALITA MELISSARI FEO DI VITO, REGGIO CALABRIA 89124, Italy,
VAT number: IT00163260805.

Signature _____

Name

Title

Date

IL RETTORE
Prof. Santo Marcello Zimbone

[Signature]
20 DIC. 2018



Appendix 1: Background included

According to the Grant Agreement (Article 24) Background is defined as “data, know-how or information (...) that is needed to implement the action or exploit the results”. Because of this need, Access Rights have to be granted in principle, but parties must identify and agree amongst them on the Background for the Project. This is the purpose of this Appendix.

TUT

As to TUT, it is agreed between the parties that, to the best of their knowledge, no data, know-how or information of TUT shall be Needed by another Party for implementation of the Project (Article 25.2 Grant Agreement) or exploitation of that other Party's Results (Article 25.3 Grant Agreement). This represents the status at the time of signature of this Consortium Agreement.

UJI

As to UJI, it is agreed between the parties that, to the best of their knowledge, no data, know-how or information of UJI shall be Needed by another Party for implementation of the Project (Article 25.2 Grant Agreement) or exploitation of that other Party's Results (Article 25.3 Grant Agreement). This represents the status at the time of signature of this Consortium Agreement.

BUT

As to BUT, it is agreed between the parties that, to the best of their knowledge, no data, know-how or information of BUT shall be Needed by another Party for implementation of the Project (Article 25.2 Grant Agreement) or exploitation of that other Party's Results (Article 25.3 Grant Agreement). This represents the status at the time of signature of this Consortium Agreement.

UPB

As to UPB, it is agreed between the parties that, to the best of their knowledge, no data, know-how or information of UPB shall be Needed by another Party for implementation of the Project (Article 25.2 Grant Agreement) or exploitation of that other Party's Results (Article 25.3 Grant Agreement). This represents the status at the time of signature of this Consortium Agreement.

URC

As to URC, it is agreed between the parties that, to the best of their knowledge, no data, know-how or information of URC shall be Needed by another Party for implementation of the Project (Article 25.2 Grant Agreement) or exploitation of that other Party's Results (Article 25.3 Grant Agreement). This represents the status at the time of signature of this Consortium Agreement.

Appendix 2: Accession document

ACCESSION

of a new Party to

A-WEAR Consortium Agreement

[OFFICIAL NAME OF THE NEW PARTY AS IDENTIFIED IN THE **Grant Agreement**]

hereby consents to become a Party to the Consortium Agreement identified above and accepts all the rights and obligations of a Party starting [date].

[OFFICIAL NAME OF THE COORDINATOR AS IDENTIFIED IN THE **Grant Agreement**]

hereby certifies that the consortium has accepted in the meeting held on [date] the accession of [the name of the new Party] to the consortium starting [date].

This Accession document has been done in 2 originals to be duly signed by the undersigned authorised representatives.

[Date and Place]

[INSERT NAME OF THE NEW PARTY]

Signature(s)

Name(s)

Title(s)

[Date and Place]

[INSERT NAME OF THE COORDINATOR]

Signature(s)

Name(s)

Title(s)

Appendix 3: List of Third Parties for simplified transfer according to Section 8.2.2.

The Parties have not identified Third Parties for simplified transfer. This represents the status at the time of signature of this Consortium Agreement.

Appendix 4: Identified Affiliated Entities according to Section 9.5

The Parties have not identified Affiliated Entities. This represents the status at the time of signature of this Consortium Agreement.

Appendix 5: Templates for Personal Career Development Plans

Personal Career Development Plan-Year 1 (Draft)

Name of ESR:

ESR project title:

Faculty and Department:

Name(s) of the Supervisor(s):

Date:

BRIEF OVERVIEW OF THE RESEARCH PROJECT OBJECTIVES AND OF MAJOR ACCOMPLISHMENTS EXPECTED (half page should be sufficient):

LONG-TERM CAREER OBJECTIVES (over 5 years):

1. Goals:
2. What further research activity or other training is needed to attain these goals?

SHORT-TERM OBJECTIVES (1-2 years):

1. Research results
 - o Anticipated publications:
 - o Anticipated conference, workshop attendance, courses, and /or seminar presentations:
2. Research skills and techniques:
 - o Training in specific new areas, or technical expertise etc:
3. Research management:
 - o Fellowship or other funding applications planned (indicate name of award if known; include fellowships with entire funding periods, grants written/applied for/received, professional society presentation awards or travel awards, etc.)
4. Communication skills:
5. Other professional training (course work, teaching activity):
6. Anticipated networking opportunities:
7. Other activities (community, etc) with professional relevance:

Date & Signature of fellow:

Date & Signature of supervisor

Personal Career Development Plan-Final year (Draft)

Name of ESR:

ESR project title:

Faculty and Department:

Name(s) of the Supervisor(s):

Date:

BRIEF OVERVIEW OF PROGRESS, ACHIEVEMENT AND PERFORMANCE (half page should be sufficient):

LONG-TERM CAREER OBJECTIVES (over 5 years):

If relevant, mention any adjustments to your long-term career objectives as a result of the training received.

SHORT-TERM OBJECTIVES ACHIEVED DURING THE TRAINING PERIOD:

1. Research results
 - o Publications (incl. in press):
 - o Conference, workshop attendance, courses, and /or seminar presentations:
2. Research Skills and techniques acquired:
 - o Training in specific new areas, or technical expertise etc:
3. Research management:
 - o Fellowship or other funding applications achieved (indicate name of award if known; include fellowships with entire funding periods, grants written/applied for/received, professional society presentation awards or travel awards, etc.)
4. Communication skills:
5. Other professional training (course work, teaching activity):
6. Anticipated networking opportunities:
7. Other activities (community, etc) with professional relevance:

Date & Signature of fellow:

Date & Signature of supervisor

Personal Career Development Plan

Guidance on some of the competencies expected

The following points are a non-exhaustive series of aspects that could be covered by the Career Development Plan, and it is relevant to the short-term objectives that will be set by the ESR and the reviewer at the beginning of the fellowship period. These objectives should be revised at the end of the fellowship and should be used as a pro-active monitoring of progress in the ESR's career.

1. Research results.

These should give an overview of the main direct results obtained as a consequence of the research carried out during the training period. It may include publications, conference, workshop attendance, courses, and /or seminar presentations, patents etc. This will vary according to the area of research and the type of results most common to each field. The information at this level should be relatively general since the Personal Career Development Plan does not strictly constitute a report on the scientific results achieved.

2. Research Skills and techniques acquired.

Competence in experimental design, quantitative and qualitative methods, relevant research methodologies, data capture, statistics, analytical skills.
Original, independent and critical thinking.

Critical analysis and evaluation of one's findings and those of others
Acquisition of new expertise in areas and techniques related to the ESR's field and adequate understanding their appropriate application

Foresight and technology transfer, grasp of ethics and appreciation of Intellectual Property Rights.

3. Research management.

Ability to successfully identify and secure possible sources of funding for personal and team research as appropriate.

Project management skills relating to proposals and tenders work programming, supervision, deadlines and delivery, negotiation with funders, financial planning, and resource management.

Skills appropriate to working with others and in teams and in teambuilding.

4. Communication skills.

Personal presentation skills, poster presentations, skills in report writing and preparing academic papers and books.

To be able to defend research outcomes at seminars, conferences, etc.
Contribute to promote public understanding of one's own field

5. Other professional training (course work, teaching activity):

Involvement in teaching, supervision or mentoring

6. Anticipated networking opportunities.

Develop/maintain co-operative networks and working relationships as appropriate with supervisor/peers/colleagues within the institution and the wider research community

7. Other activities (community, etc) with professional relevance.

Issues related with career management, including transferable skills, management of own career progression, ways to develop employability, awareness of what potential employers are looking for when considering CV applications etc.

Appendix 6: Commitment of the Partner Organisation

Commitment of the Partner Organisation

[COORDINATING INSTITUTION] (“[short name]”) and the organisations shown in the attached schedule (hereinafter referred to as “Consortium”) are participating in the Marie Skłodowska-Curie Action: Innovative Training Network entitled “[PROJECT TITLE]” with the acronym “[ACRONYM]” (hereinafter referred to as “Project”), which is being funded by the European Union under its Horizon 2020 Programme. Hence, this agreement is between:

1. [Insert official name of the Coordinating Institution], having its registered office or based in [insert the Legal Address of the Entity], acting on behalf of the [PROJECT ACRONYM] Consortium.

And

2. [Insert official name of the Partner Organisation], having its registered office or based in [insert the Legal Address of the Entity] hereinafter referred to as [Partner Organisation short name].

General provisions:

[Partner Organisation short name] agrees to:

1. Contribute to the A-WEAR Project by fulfilling the tasks listed in Annex I to the Grant Agreement.
2. Contribute to the A-WEAR Project by abiding decisions made by the Advisory Board.
3. Make best efforts to promptly conclude a detailed Secondment agreement with the relevant Party.

Provisions related to the participation to the A-WEAR Advisory Board:

The Consortium welcomes [Partner Organisation short name] as a member of the Advisory Board (“AB”). Participation as a member of the AB will involve the representative of [Partner Organisation short name] receiving, and/or participating in Project discussions/presentations/correspondence concerning confidential information, including, but not limited to, information produced and/or acquired by the Consortium members either as part of the Project (“Results”) or before the Project (“Background”). As the Consortium members have pre-existing obligations with respect to the confidentiality of such Results, Background and confidential information, [Partner Organisation short name] will be required to keep confidential, as indicated below, any Results, Background or other confidential information that may be disclosed to [Partner Organisation short name] as a member of the AB. In addition, confidential information may be disclosed to [Partner Organisation short name] by members of the AB who are not members of the Consortium. In this agreement, any information disclosed to [Partner Organisation short name] in whatever form or mode of transmission, relating to Results and/or Background and/or any information disclosed to [Partner Organisation short name] by any party which has been identified as confidential at the time of disclosure, shall be collectively referred to as “Confidential Information” and the party owning or holding rights to such Confidential Information, who shall be entitled to enforce the obligations contained herein, shall be referred to as the “Discloser”. To avoid doubt, the Consortium has approved the use of this agreement.

The functions and procedures of the AB are listed in articles 6.1, 6.2, 6.3 of the Consortium Agreement, Appendix A.

By signing below, [Partner Organisation short name] agrees to the following:

- (a) [Partner Organisation short name] commits itself to carry out its work as per Annex I to the Grant Agreement
- (b) to take all reasonable steps to ensure that all Confidential Information disclosed to [Partner Organisation short name] as a member of the AB remains confidential during the Project and for a period of four (4) years after the end date of the Project;
- (c) not to become involved in any commercial, manufacturing, scientific, literary or any other exploitation of the Confidential Information, whether alone or in conjunction with another party (by licence or otherwise), or use Confidential Information otherwise than for undertaking [Partner Organisation short name]'s duties as a member of the AB without the written consent of the Discloser;
- (d) not to disclose the Confidential Information either directly or indirectly to any third party without the written consent of the Discloser.
- (e) to return to the Discloser on demand all Confidential Information which has been supplied to or acquired by the Recipients including all copies thereof and to delete all information stored in a machine readable form.
- (f) [Partner Organisation short name] will not disclose and will keep confidential the information received, except to its employees, representatives or agents who need to have access to the Confidential Information for the purpose of carrying out their duties in connection with A-WEAR Project. [Partner Organisation short name] will inform them about the confidential quality of the information provided and will ensure that their agreement is obtained to keep it confidential on the same terms as set forth in this Agreement. Hence [Partner Organisation short name] will be responsible for ensuring that the obligations of confidentiality and non-use contained herein will be strictly observed and will assume full liability for the acts or omissions made for its personnel representatives or agents.

In addition, [Partner Organisation short name] agrees that the above obligations of confidentiality and non-use shall not apply in the following circumstances:-

- (i) when any such Confidential Information is public knowledge through previous publication, or when following disclosure to [Partner Organisation short name] as a member of the AB, becomes general or public knowledge either through no fault of [Partner Organisation short name] or following further written agreement between [Partner Organisation short name] and the Discloser;
- (ii) when any such Confidential Information can be shown by [Partner Organisation short name] to have been in [Partner Organisation short name]'s possession prior to disclosure

under this agreement, except when such Confidential Information was supplied by the staff, students or agents of the Discloser;

- (iii) when any such Confidential Information is received by [Partner Organisation short name] from a third party that [Partner Organisation short name] reasonably believe has no similar obligation of confidentiality to the Discloser;
- (iv) when [Partner Organisation short name] can reasonably demonstrate that any such information has been previously developed by [Partner Organisation short name] without reference to, or without prior benefit of, the Confidential Information or was required to be disclosed in order to comply with applicable laws or statutory regulations or with a court or administrative order.

In accordance with Sec 4.1 of the Consortium Agreement, Appendix A, this Agreement shall be governed and construed in accordance with Belgian law and the Belgian courts shall have exclusive jurisdiction over it.

Any ancillary agreements, amendments or additions hereto shall be made in writing.

In consideration of the invitation to participate as a member of the AB, [Partner Organisation short name] accepts the conditions set out within this agreement.

Name of [Partner Organisation short name] Authorised signatory

(Block Capitals)

Signed

_____ Date _____
(by [Partner Organisation short name] Authorised signatory)

At the time of the signature, [Partner Organisation short name] nominates the following employees as its representatives in the SB.

For the avoidance of doubt, [Partner Organisation short name] is entitled to one vote only regardless of the number of representatives attending any SB meeting.

Name of AB member(s)' representative(s)

(Block Capitals)

Normal Work Address of AB member(s)' representative(s)

(Block Capitals)

Signed

(by AB member(s)' representative(s))

Date _____

Name of authorised member of [COORDINATING INSTITUTION'S short name] Staff acting on behalf of the Consortium

Signed

Date _____

Consortium Schedule:

Institution's Name	Organisation short name	Country
[COORDINATING INSTITUTION'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]
[PARTY'S NAME]	[ACRONYM]	[ACRONYM]

Non-Consortium AB members Schedule:

Partner organisation's Name	Organisation Short Name	Country
[PARTNER ORGANISATION'S NAME]	[ACRONYM]	[ACRONYM]
[PARTNER ORGANISATION'S NAME]	[ACRONYM]	[ACRONYM]
[PARTNER ORGANISATION'S NAME]	[ACRONYM]	[ACRONYM]
[PARTNER ORGANISATION'S NAME]	[ACRONYM]	[ACRONYM]
[PARTNER ORGANISATION'S NAME]	[ACRONYM]	[ACRONYM]
ESR Representative	ESR	/

Appendix A – Consortium Agreement (CONFIDENTIAL)

Appendix B – Annex I to the Grant Agreement (CONFIDENTIAL)

Appendix 7: Template Secondment Agreement

Template A-WEAR Secondment Agreement

Note: Each A-WEAR Beneficiary and Partner Organisation is responsible for ensuring their compliance with the provisions of the Grant Agreement and Consortium Agreement, as well as for the protection of their own (and other partners') Results and Background. This template provides a possible basic structure of an agreement your organisation may wish to conclude with a Partner Organisation which intends to host a seconded ESR, however it cannot foresee all possible situations and IPR issues that may be relevant to your situation. As such, this document is provided without any express or implied warranty as to its suitability. If you have any specific concerns please refer to the A-WEAR Grant Agreement, the Consortium Agreement or contact the Coordinator for advice. The Partner Organisation may also wish to supplement this agreement with a separate bilateral agreement with the ESR.

This agreement is made between:

[YOUR INSTITUTION NAME] (hereinafter indicated as [YOUR INSTITUTION short name] or Seconding Entity) established in [YOUR INSTITUTION LEGAL ADDRESS] and

[HOSTING ENTITY or PARTNER ORGANISATION NAME], hereinafter indicated as [YOUR INSTITUTION short name] or Host Entity established in [SECONDING ENTITY'S LEGAL ADDRESS]

Definitions:

Early stage researcher (ESR): is a researcher in the first four years (full-time equivalent) of their research activity, including the period of research training.

Secondment: means a period during which a ESR is hosted by a entity (Host Entity) other than his/her employing institution (Seconding Entity).

Secondment Plan: The detailed plan of activities to be carried by the ESR in the receiving institution. Such Plan is optional but recommended and can be added to this agreement or as a part of the Career Development Plan (Attachment 5 to the Consortium Agreement)

The Seconding Entity agrees to the placement of [INSERT NAME OF EARLY STAGE ESR} (the 'ESR') with *INSERT HOSTING PARTY or PARTNER ORGANISATION* short name as a seconded *ESR* within the framework of the H2020 Marie Skłodowska-Curie Action: Innovative Training Network Grant Agreement 813278, A network for dynamic Wearable Applications with pRivacy constraints, A-WEAR, for 100% full time equivalent on the following conditions:

1. Effective Date: *INSERT START DATE*
2. Period of agreement: *INSERT END DATE*
3. Services

During the period of the secondment the *ESR* will undertake the role of XXX and perform the tasks as outlined in the attached Secondment Plan. This role is based at the Host Entity in *INSERT NAME OF PLACE* and the *ESR* will reside in that country.

The Host Entity will provide the facilities necessary for the ESR to perform the tasks as outlined in the attached Secondment Plan for the duration of this agreement.

4. Fees

The Host Entity will not require the payment of any fees by the ESR.

5. Finance arrangements

The Host Entity shall provide, and cover the costs associated with the general use of, needed premises, infrastructure, equipment, products and consumables during the period of the agreement.

The Seconding Entity (i.e. the employer of the ESR) shall be responsible for costs related to salary, accommodation and travel of the ESR. In no event shall the Host Entity be responsible for the payment or waiver of any cost associated with the accommodation, board or travel expenses of the ESR.

The ESR will not receive any other incomes than those received from the [YOUR INSTITUTION SHORT NAME] for the activities carried out in the framework of this agreement.

6. Terms and Conditions

The ESR shall at all times remain subject to the terms and conditions under his/her contract with the Seconding Entity. The ESR will be maintained on the payroll of the Seconding Entity and the Seconding Entity shall retain all rights and responsibilities in relation to its appointment of the ESR. Any current pension arrangements of the ESR will remain unchanged.

This Agreement shall be governed by Host Entity country's law and the ESR's and Host Entity consent to the exclusive jurisdiction of the Courts of the Host Entity country in respect of this Agreement.

The Seconding Entity and the Host Entity will endeavour to amicably settle disputes arising out of or in connection with this Agreement. Any disputes that cannot be amicably resolved shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said Rules.

The secondment is subject to the ESR being and remaining eligible to be appointed in the seconding country and is subject to the ESR obtaining a valid visa entitling them to work in the Host Entity country and compliance with the Host Entity country's immigration rules.

While the Host Entity is supporting this placement, the ESR shall be under the day-to-day control of the Host Entity and shall undertake to comply with the working practices of, and take instructions from the Host Entity.

The ESR must devote him/herself to the tasks as outlined in the attached Secondment Plan, unless there are duly justified reasons connected to personal or family circumstances.

The Host Entity will ensure that the ESR enjoys the same standards of safety and occupational health as those of its employees holding a similar position.

The Seconding Entity will provide health and accident insurance coverage for the ESR.

The *beneficiary* shall not be liable to the Host Entity in respect of any loss or damage suffered by the Partner organisation arising out of or relating to the Services provided under this Agreement or in respect of any failure to provide the Services or arising out of or relating to the termination of the ESR's appointment at the Host Entity prior to the expiry date.

The Host Entity shall indemnify the beneficiary against all costs, claims, liabilities and expenses of any nature (including, without limitation, all compensation for dismissal under statute or common law and all costs and expenses incurred by the beneficiary in settling, contesting or dealing for the same) resulting from any breach by the Host Entity of its obligations under this Agreement.

The beneficiary shall not be liable in respect of any loss or damage suffered by any party arising out of or relating to Host Entity's failure to fully meet its responsibilities under the relevant national health and safety laws, regulations or practice. So far as is reasonably practicable, the Host Entity will ensure that premises, plant, equipment and working environments are safe and without risk to the health and safety of the ESR and other persons who may also be affected. The beneficiary shall furthermore not be liable for any loss or damage suffered by any party arising out of or relating to the ESR's failure to fully meet his/her responsibilities under the relevant national laws and/or regulations applying to the beneficiary.

7. Intellectual Property

Note: If you wish to provide access rights to A-WEAR Results or your organisation's Background to the Partner organisation within the context of this agreement, you must amend the statements in the first two articles below. The Results or Background must be solely owned by your organisation in order for you to grant access or ownership, and by granting access or ownership to the Partner organisation you must ensure that the access rights of the other A-WEAR beneficiaries are maintained.

The default statements below mean that any Result generated by the ESR remains the property of the beneficiary, **but this could be changed to:**

- 1) Giving ownership to the Partner organisation
- 2) Sharing ownership between both organisations
- 3) Giving licensing rights to the Partner organisation
- 4) Giving part ownership to the ESR (if this is your normal practice)

You may wish to enter into a separate, specific ownership/joint ownership agreement concerning particular intellectual property, or include details of the arrangements in the Secondment Plan. In any case, the Grant Agreement and Consortium Agreement must be respected – please ask the coordinator for advice if necessary.

Any results, including information, whether or not they can be protected, arising out of the Services provided through this agreement shall be the property of the *beneficiary*.

Nothing in this agreement shall be so construed or interpreted in any way as to confer ownership or any access rights on the Host Entity with regards to the results and information generated under the A-WEAR Project or the information, copyrights, data, documents, materials or intellectual property rights owned by the other participants in the A-WEAR Project.

The *ESR* has the same rights and will comply with the same obligations as the Seconding Entity with regards to the A-WEAR Grant Agreement Article 36.

In the case that Host Entity wishes to protect the confidentiality of any data, documents or other material made available to the ESR within the context of this agreement, the Host Entity will enter into a separate Non Disclosure Agreement (NDA) with the ESR. In the case that confidential information is intended to form part of the thesis, dissertation, publication or poster of the ESR, this NDA will include specific provisions to ensure that the confidential information remains protected.

In the case that the *ESR* enjoys access rights to results and information generated within the A-WEAR Project or information, copyrights, data, documents, materials or IPR owned by the other Project participants, the *ESR* will ensure that the rights of the respective owner(s) are upheld in accordance with the A-WEAR Grant Agreement and the A-WEAR Consortium Agreement. For the avoidance of doubt, in the absence of a written agreement between the Host Entity and the respective owner(s) granting access rights, the *ESR* will treat all such information,

results, copyrights, data, documents, materials or IPR as 'confidential information' in accordance with the terms of the A-WEAR Grant Agreement Article 36.

The *ESR* shall inform the *beneficiary* and the Host Entity as soon as possible of circumstances likely to have an effect on the Intellectual Property provisions of this agreement.

The *ESR* shall inform the *beneficiary* as soon as possible of circumstances likely to have an effect on the Intellectual Property provisions of the A-WEAR Grant Agreement or the A-WEAR Consortium Agreement.

8. Additional Remarks

Nothing in this agreement shall be construed in any way as to diminish or alter the rights of the European Commission as set out in the A-WEAR Grant Agreement.

Nothing in this agreement shall be construed in any way as to alter any other agreements or the associated terms and conditions of the appointment held by the *ESR* at the Seconding Entity.

The period of this agreement remains subject to review at any time by either the Seconding Entity or the Host Entity (see 'Termination' below) but shall be specifically reviewed in *INSERT REVIEW DATE PRIOR TO TERMINATION DATE OF AGREEMENT*.

Any proposed changes to the terms of this agreement shall be discussed and agreed in writing by the responsible authority of the *beneficiary* and Host Entity prior to initiation or amendment.

9. Termination

This Agreement shall be terminated if the *ESR's* appointment by the *beneficiary* is terminated for whatever reason.

Either the *beneficiary* or the Host Entity may terminate this agreement before the end of the period with three month's notice in writing to the other party.

At the end of the Agreement the scientist in charge will resume the full duties of the post of the *ESR* for the *INSERT NAME OF DEPARTMENT* at the Seconding Entity.

10. Signatures

This agreement shall be executed in three (3) counterparts, one of which shall be kept by the Seconding Entity and one by the Host Entity, the third being kept by the *ESR*.

Signed..... Date: Stamp:
NAME
JOB TITLE
For and on behalf of the *INSERT NAME AND ADDRESS OF SECONDING ENTITY*

Signed..... Date: Stamp:
NAME
JOB TITLE
For and on behalf of the *INSERT NAME AND ADDRESS OF HOST ENTITY*

Read and agreed:

Signed.....

Date:

NAME
ESR

Appendix 8: Consortium Plan Budget

						Researcher			Institution			
Participant Number	Partner Short Name	Country	Correction Coefficient	No Researchers	Number of Researcher Months	Cat-1 Living	Cat-2 Mobility	Cat-3 Family	Cat-4 R&T	Cat-5 Management & Overheads	TOTAL	% Budget
1	TUT	FI	120,8	4	144	568 823 €	86 400 €	36 000 €	341 172 €	362 880,00 €	1 395 275,04 €	37,09 %
2	UJI	ES	95,4	3	108	336 915 €	64 800 €	27 000 €	172 044 €	77 760,00 €	678 58,64 €	18,03 %
3	BUT	CZ	81,8	3	108	288 814 €	64 800 €	27 000 €	172 044 €	77 760,00 €	630 48,25 €	16,76 %
4	UPB	RO	68,8	3	108	242 974 €	64 800 €	27 000 €	172 044 €	77 760,00 €	584 58,08 €	15,54 %
5	URC	IT	104,4	2	72	245 799 €	43 200 €	18 000 €	114 696 €	51 840,00 €	473 58,36 €	12,59 %
TOTAL				15	540	1 683 325,37 €	324 000,00 €	135 000,00 €	972 000,00 €	648 000,00 €	3 762 325,37 €	100,00 %
Researcher Unit Costs												
Cat-1 Monthly Living Allowance			€	3 270,00								
Cat-2 Mobility Allowance			€	600,00								
Cat-3 Family Allowance			€	500,00								
Institutional Unit Costs												
Cat-4 Research & Training Costs			€	1 800,00								
	Coordinator 11,5%		€	207,00								
	Institution 88,5%		€	1 593,00								
Cat-5 Management & Overheads			€	1 200,00								
	Coordinator 40%		€	480,00								
	Institution 60%		€	720,00								

The consortium-level budget to cover the coordination costs is established as follows:

- The Coordinator will retain 11,5% of the Category 4 – Research, training and networking budget and it is quantified in EURO 207,00 / fellow month, total of EURO 104,328.00 if the maximum fellow months is realized as planned.
- The Coordinator will retain 40% of the Category 5 - Management & Overheads budget and it is quantified in EURO 480,00 / fellow month, total of EURO 259,200.00 if the maximum fellow months is realized as planned.



0N6303788

MARÍA MARTÍNEZ BALAGUER
TRADUCTORA-INTERPRETE JURADA DE INGLÉS
Nº TIJ 3047

CLASE 8ª

Principio de traducción jurada de original en idioma inglés

**Acuerdo de Cooperación
en relación con los estudios conjuntos de doctorado en el Doctorado Europeo Conjunto
« Aplicaciones de wearables con restricciones de privacidad » (A-WEAR)**

entre

**Facultad de Ingeniería Eléctrica y Comunicaciones
de Brno University of Technology (BUT)**

y

**el Instituto de Nuevas Tecnologías de la Imagen
de Universitat Jaume I (UJI)**

ARTÍCULO 1 - OBJETO DEL ACUERDO

El presente acuerdo define las características académicas, financieras y administrativas de la participación del candidato a doctor en el Doctorado Europeo Conjunto A-WEAR, www.a-wear.eu, financiado por la Comisión Europea dentro de las Acciones Marie Skłodowska-Curie, Redes Internacionales de Formación (ITN), Doctorados Europeos Conjuntos (EJD), Acuerdo de Subvención número 813278 — A-WEAR — H2020-MSCA.ITN-2018.

Nos referiremos a la universidad donde el alumno inicie sus estudios de doctorado como la *universidad de origen*, mientras que la otra universidad que implemente los estudios conjuntos de doctorado será la *universidad de destino*. Los alumnos tendrán los mismos derechos y obligaciones que los estudiantes de doctorado en ambas instituciones.

ARTÍCULO 2 - OBJETIVOS Y RESULTADOS DE APRENDIZAJE

Los estudios conjuntos de doctorado tienen como objeto formar a investigadores y profesionales del más alto nivel para el creciente sector de la *wearable computing* combinando la experiencia de los laboratorios asociados a la Facultad de Ingeniería Eléctrica y Comunicaciones de Brno University of Technology (BUT) y el Instituto de Nuevas Tecnologías de la Imagen de Universitat Jaume I (UJI). El objetivo principal del programa conjunto de estudios de doctorado es la preparación de científicos del más alto nivel que puedan proporcionar soluciones a los complejos retos de la ciencia y la tecnología en los campos de la ingeniería eléctrica, las comunicaciones y la *wearable computing*. Otro de los objetivos es enseñar a los graduados los métodos del trabajo científico, a fin de prepararlos para enfrentarse a los desafíos futuros de los dispositivos inteligentes *wearables* y la informática inalámbrica, la automatización y la ingeniería de comunicaciones. Los resultados de aprendizaje que se esperan de los candidatos a doctor incluyen varias ramas de los sistemas de comunicación inalámbricos, posicionamiento y navegación inalámbrica, procesamiento de señales digitales, modelaje y simulación de sistemas, redes y protocolos inalámbricos y sistemas integrados.

**Cooperative Agreement
Regarding Joint Doctoral Education in European Joint Doctorate "Dynamic Wearable Applications
with Privacy Constraints" (A-WEAR)**

between

**Faculty of Electrical Engineering and Communication
Brno University of Technology (BUT)**

and

**Institute of New Imaging Technologies
Universitat Jaume I (UJI)**

ARTICLE 1 - PURPOSE OF THE AGREEMENT

This agreement defines the academic, financial and administrative modalities of the doctoral candidate's participation in the A-WEAR European joint doctorate, www.a-wear.eu, funded by the European Commission within the Marie Skłodowska-Curie Actions, International Training Networks (ITN), European Joint Doctorates (EJD), Grant Agreement number 813278 — A-WEAR — H2020-MSCA-ITN-2018.

The University where the student will start the doctoral training will be referred to as the *home university*. The other university implementing this joint degree doctoral education will be referred to as the *host university*. Students shall have the same rights and obligations as degree students in the respective institutions.

ARTICLE 2 - AIMS AND LEARNING OUTCOMES

The joint degree doctoral education aims at producing top-level researchers and professionals for the growing field of wearable computing by combining the special expertise of the laboratories associated to the Faculty of Electrical Engineering and Communication at Brno University of Technology (BUT) and the Institute of New Imaging Technologies at Universitat Jaume I (UJI). The main objective of the joint degree doctoral program is to prepare top-class scientific individuals that will be able to provide solutions to challenging problems of science and technology in the fields of electrical engineering and communications and wearable computing. Another aim is to teach graduates the methods of scientific work, to prepare them to face the future challenges in smart wearables and wireless computing, and to furnish students with theoretical, experimental and practical knowledge from the field of wireless computing, automation, and communications engineering. The expected learning outcomes of the doctoral candidates include various branches of wireless communication systems, wireless positioning and navigation, digital signal processing, system modelling and simulation, wireless networks and protocols, and embedded systems.

ARTICLE 3 - DOCTORAL CANDIDATE AND STUDENT STATUS

The Doctoral candidate performing a joint doctorate will register first at the home university and then at the host university as a degree-seeking doctoral student. Students will be admitted to the joint PhD programme on a full-time basis.

For the Brno University of Technology, the modalities of registration, description and reproduction of the thesis are governed by Study and Examination Rules of BUT, The Statute of BUT, whereas the Act No 121/2000 on Copyright and Rights Related to Copyright and on Amendment to Certain Acts and the Act No. 111/1998 on Higher Education institutions and on Amendments and Supplements to Some Other Acts and the internal rules and regulations of the university. At UJI, the "Programa de Doctorado en Informática" has been approved by the University Council on July 25th, 2013.

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ARTÍCULO 3 - ESTATUS DEL ALUMNO Y CANDIDATO A DOCTOR

El candidato a doctor que participe en el programa conjunto de doctorado se matriculará primero en su universidad de origen y posteriormente en la de destino en ambos casos como alumno de doctorado. Los alumnos serán admitidos en el programa conjunto de doctorado a tiempo completo.

En Brno University of Technology, las características de registro, descripción y reproducción de la tesis estarán regidas por la Normativa de Estudios y Examinaciones de BUT, Estatuto de BUT, la Ley nº 121/2000 sobre Derechos de Autor y Derechos Conexos a los Derechos de Autor y sobre la Enmienda a Ciertas Leyes y la Ley nº 111/1998 sobre Instituciones de Educación Superior y Enmiendas y Suplementos a Otras Leyes y las normas y reglamentos internos de la universidad. En UJI, el Programa de Doctorado en Informática fue aprobado por el Consejo de Universidades el 25 de julio de 2013 (<https://www.uji.es/bin/infoest/estudis/doctorat/prog/infor.pdf>) de conformidad con la legislación del Ministerio de Educación del 10 de febrero de 2011, el Real Decreto 99/2011 (<http://www.boe.es/dias/2011/02/10/pdfs/BOE-A-2011-2541.pdf>). Los candidatos a doctor deberán cumplir la normativa vigente en todas las instituciones donde realicen sus estudios de doctorado. Los alumnos recibirán su formación de conformidad con el programa de estudios definido en el ARTÍCULO 6 y el plan de movilidad definido en el ARTÍCULO 8. La lengua de instrucción en estos programas será el inglés.

Los candidatos a doctor admitidos en este programa conjunto de doctorado trabajarán en proyectos de investigación definidos en el proyecto A-WEAR.

ARTÍCULO 4 - SELECCIÓN Y ADMISIÓN CONJUNTA DE ESTUDIANTES

1. Admisión conjunta. Los candidatos enviarán su solicitud a través de una plataforma central de presentación de solicitudes alojada en Universitat Jaume I. Para acceder a los programas de doctorado, los candidatos deberán al menos poseer un título de máster en ciencias en relación con algún campo técnico relevante para el A-WEAR, poseer un certificado que demuestre un nivel suficiente de inglés y cumplir los criterios de selección de la UE.

2. Selección conjunta. La selección de candidatos para el A-WEAR se llevará a cabo mediante un proceso claro, transparente y de abierta competitividad, teniendo en cuenta el equilibrio entre los sexos y las normas sobre igualdad de oportunidades (apartados 3.2.5. y 3.2.9).

Los criterios de selección se basarán en la excelencia y tendrán en cuenta lo siguiente:

- Título de máster o equivalente en el campo de la ingeniería eléctrica, la ingeniería de telecomunicaciones o un campo estrechamente relacionado, superado con buenas calificaciones.
- El CV del candidato, lista de sus publicaciones y servicios sociales.
- Competencia suficiente en lengua inglesa. Para poder presentarse como candidato a los estudios conjuntos de doctorado, los candidatos deberán demostrar durante el proceso de admisión que poseen un nivel de inglés equivalente al nivel B2 del MCER o superior.
- Un plan de investigación a desarrollar íntegramente durante los estudios de doctorado con el objetivo de realizar la tesis doctoral.

(<https://www.uji.es/bin/infoest/estudis/doctorat/prog/infor.pdf>), according to the regulation by the Ministry of Education on February 10th, 2011, by the Royal Decree 99/2011, (<http://www.boe.es/dias/2011/02/10/pdfs/BOE-A-2011-2541.pdf>). Doctoral candidates are bound to comply with the regulations in force in all Institutions where they will carry out their doctoral activities. The students will be studying according to the course program defined in ARTICLE 6 and mobility plan defined in ARTICLE 8. The language of instruction of these programs is in English.

Doctoral candidates admitted to this joint doctoral program will work on research projects defined in A-WEAR project.

ARTICLE 4 – JOINT STUDENT SELECTION AND ADMISSION

§1. Joint admission. Applicants apply to a central submission platform hosted by Universitat Jaume I. To enter the PhD programmes, candidates must have at least a MSc degree in a technical field relevant to A-WEAR, to have a certificate proving their English proficiency and to fulfil EU eligibility criteria.

§2. Joint selection. A-WEAR selection of candidates will be based on a clear, transparent and open-competition recruitment process, taking into account gender balance and equal opportunity rules (Sections 3.2.5, 3.2.9).

The selection criteria are based on excellence and will consider the followings:

- Master's degree or equivalent in the fields of electrical engineering, communications engineering or a closely related field, completed with good grades.
- Candidate CV, list of publications, and society services
- A sufficient proficiency in the English language. In order to be eligible for the joint doctoral education, the candidates must demonstrate during the admission procedure that they meet the English language requirements equal to the CEFRL level B2 or higher.
- A research plan to be implemented throughout whole doctoral study with the goal to prepare the doctoral thesis.
- At BUT, the student admission is governed by the Rules for Admission Proceeding and Requirements for Admission to the Doctoral Degree Program at FEEC BUT, is electronic and starts with submitting the study application according to the official BUT schedule. The study application must contain also the selected study topic (dissertation theme). At UJI, the student has to apply during the months of July and September, and the admission is done during the first two weeks of October.

Candidates are sorted from highest to lowest grade by the selection committee per each topic. The recruitment process will be jointly conducted by the A-WEAR Consortium and will involve four main steps:

- The applicants upload their application package to a central submission platform, to be provided by the Consortium and hosted at UJI; in there, they specify their preferred topics, specifying also their order of preference (each applicant can choose at most 4 topics);
- All candidates for one topic will be graded according to common excellence criteria by a Selection Committee (SC) for that topic, formed by the supervisors allocated to that topic (see Appendix); all A-WEAR Advisory Board (AB) members will add their own comments with respect to each application in the submission platform and the SC will consider the AB comments in the grading process.
- The A-WEAR Management Board (MB) will then cross-check that uniform standards of recruitment have been applied across the project and will pay a special attention to the gender balance by looking at the top selected applicants per each topic. The final selection among the top candidates will be done with the approval of MB, and by taking into account the followings rules: a possible redistribution of candidates per topics can be implemented if some topics have too few top candidates with respect to other topics; this redistribution will be done only with the agreement of the candidates and the units involved in such redistribution; if one candidate is selected by several units, a discussion between the

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- En BUT, la admisión de estudiantes se registrará por las Normas para el Proceso de Admisión y Requisitos de Admisión en el Programa de Doctorado de FEEC BUT. El proceso es electrónico y comienza con la presentación de la solicitud conforme a la agenda oficial de BUT. La solicitud deberá contener también el tema de estudio seleccionado (tema de disertación). En UJI, el estudiante tendrá que presentar su solicitud en los meses de julio y septiembre, y la admisión se realizará durante las dos primeras semanas de octubre.

Los candidatos serán evaluados por el comité de selección de mejor a peor para cada tema. El proceso de selección se llevará a cabo de manera conjunta por el Consorcio A-WEAR y comprenderá cuatro fases principales:

- Los candidatos presentarán su solicitud en una plataforma central proporcionada por el Consorcio y alojada en UJI. En ella especificarán sus temas preferidos, además de su orden de preferencia (cada candidato podrá elegir hasta cuatro temas como máximo).
- Todos los candidatos para un tema serán evaluados según criterios comunes de selección para ese mismo tema por un Comité de Selección (SC), formado por los supervisores a los que se les haya asignado tal tema (véase el Apéndice). Todos los miembros del Comité Asesor de A-WEAR (AB) agregarán sus propios comentarios con respecto a cada solicitud en la plataforma de solicitudes y el Comité de Selección tendrá en cuenta los comentarios del Comité Asesor en el proceso de evaluación.
- El Consejo de Administración de A-WEAR (MB) verificará posteriormente que se han aplicado de forma uniforme los estándares de selección en el proyecto y prestará especial atención al equilibrio entre los sexos en el grupo de los candidatos preseleccionados para cada tema. La selección definitiva entre los principales candidatos se realizará con el visto bueno del Consejo de Administración y teniendo en cuenta las siguientes reglas: se podrá implementar una posible redistribución de los candidatos por temas si algunos de los temas tienen pocos candidatos preseleccionados con respecto a otros temas; esta redistribución se realizará únicamente con el consentimiento de los candidatos y las unidades implicadas en dicha redistribución; si un candidato es preseleccionado por varias unidades, tendrá lugar una conversación entre los científicos a cargo de esas unidades y el candidato, a fin de encontrar una solución satisfactoria para todas las partes.
- A fin de garantizar el equilibrio entre los sexos en los campos de investigación de A-WEAR, donde predominan los hombres, adoptaremos las siguientes normas: i) si dos candidatos están al mismo nivel, se elegirá a la mujer; ii) se anunciarán las vacantes también en plataformas/foros que promuevan la participación, contribución y éxito de las mujeres en la ciencia, la tecnología, la ingeniería y las matemáticas (STEM), como societyofwomenengineers.swe.org, epws.org, www.wisecampaign.org.uk, www.awis.org, etc.; iii) las interrupciones de la carrera profesional (p. ej., bajas por enfermedad o baja maternal) no estarán penalizadas en el proceso de selección.

Una vez se haya seleccionado a un candidato, la institución de destino asistirá al ESR seleccionado con las formalidades administrativas del país de destino. Los participantes también respetarán la legislación nacional y de la CE.

scientists in charge of those units and the candidate will take place in order to find a mutually satisfactory solution.

- In order to ensure the gender balance in A-WEAR research fields which are predominantly male research fields, we will adopt the following rules: i) if two candidates are equal, we will select the female one; ii) we will advertise the positions also on platforms/forums that promote to the participation, contribution and success of women in science, technology, engineering and mathematics (STEM), such as: societyofwomenengineers.swe.org, epws.org, www.wisecampaign.org.uk, www.awis.org, etc.; iii) Career breaks (e.g., maternity and sick leaves) will not be penalized in the recruitment process.

Once a candidate is selected, the host institution will assist the recruited ESR with their administrative formalities for the host country. Partners will also abide by national and EC legislation.

Advertising ESR vacancies will be done through: the Euraxess Job Portal, the A-WEAR website, BUT job portal, the websites and individual networking contacts of the partner institutions, other relevant international electronic mailing lists (e.g., air-l, my colleagues, rcc). Best candidates will be interviewed via conference calls or in-person. In-person interviews, if needed, are to be organized and fully covered by the beneficiary institution for the particular topic where the candidate applied.

The candidates must fulfil the admission requirements of both universities.

ARTICLE 5 – SUPERVISION OF RESEARCH

To facilitate the supervisory agreements and to ensure a continuous contact point and a synchronized supervisory procedure, each doctoral researcher will have one main academic supervisor from his/her *home university*, and additional academic and industrial supervisors as shown in Annex. The main supervisor is the continuous contact point in all cases, but all the supervisors of a fellow will actively interact with each other and follow the fellow's progress and outcomes.

Additional supervisors or instructors can be nominated at both universities. All supervisors will follow the student's progress through annual review procedures and feedback mechanisms, coordinated by each main supervisor. Weekly meetings and a biannual review meeting with the ESR will be held to evaluate progress. The main supervisor will dedicate at least 10% of her/his full-working time to train the student.

The supervisors should have a doctoral degree and be qualified to supervise doctoral studies according to the university regulations. The main supervisor at BUT must hold the position of a Professor or an Associate Professor. The main supervisor at UJI must hold the position of a Professor, Associate Professor (tenure track) or a Senior Researcher holding a PhD.

ARTICLE 6 – COURSEWORK REQUIREMENTS

The courses offered within A-WEAR network are complementary. The partners agreed on a set of integrated program modules common to all sites (21 ECTS credits, see Table 1) and to additional scientific and transferable skills courses locally (minimum 5 ECTS from complementary skills courses and minimum 9 ECTS from technical courses, locally). In addition, the students enrolled to this joint degree program will be awarded extra 5 ECTS students from their industrial secondments, collecting thus a total of 40 ECTS. According to the Spanish RD99/2011, ECTS will be recognized as hours of doctoral activities. Thus, 1 ECTS will be transformed into 15 hours. To address different students' backgrounds, the students are free to choose specific courses addressing their requirements. All credits acquainted at one of the partner universities will be recognized vice-versa. The course program in detail:

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Los anuncios de vacantes de ESR se realizarán mediante el portal de trabajo Euraxess, la página web de A-WEAR, el portal de trabajo de BUT, las páginas web y los contactos individuales de las instituciones participantes, así como otras listas internacionales de distribución electrónica relevantes (p. ej., air-l, my colleague, rcc). Se entrevistará a los mejores candidatos por videoconferencia o en persona. Las entrevistas en persona, si son necesarias, serán organizadas y sufragadas en su totalidad por la institución beneficiaria en cuanto al tema particular solicitado por el candidato.

Los candidatos deberán cumplir los requisitos de admisión de ambas universidades.

ARTÍCULO 5 - SUPERVISIÓN DE LA INVESTIGACIÓN

Para facilitar los acuerdos de supervisión y garantizar el punto de contacto continuo, así como un proceso de supervisión sincronizado, todos los investigadores de doctorado tendrán un supervisor académico principal de su *universidad de origen*, además de supervisores académicos e industriales adicionales tal y como se indica en el Anexo. El supervisor principal será el punto de contacto continuo en todos los casos, pero el resto de supervisores interactuarán activamente entre ellos y seguirán los progresos y resultados del investigador.

Podrán designarse supervisores o instructores adicionales en ambas universidades. Todos los supervisores seguirán el progreso del alumno mediante revisiones anuales y mecanismos de valoración coordinados por los supervisores principales. Se celebrarán reuniones semanales y una revisión semestral con el ESR para evaluar su progreso. El supervisor principal dedicará al menos el 10% de su horario laboral a formar al estudiante.

Los supervisores deberán estar en posesión de un título de doctorado y cualificados para supervisar estudios de doctorado, de conformidad con el reglamento universitario. El supervisor principal de BUT deberá ocupar el cargo de Catedrático o Profesor Titular (con contrato permanente). El supervisor principal de UJI deberá ocupar el cargo de Catedrático, Profesor Titular (con contrato permanente) o Investigador Sénior en posesión de un título de doctorado.

ARTÍCULO 6 - REQUISITOS DEL CURSO

Los cursos ofrecidos en la red A-WEAR son complementarios. Los participantes acuerdan un conjunto de módulos integrados comunes a todas las localizaciones (21 créditos ECTS, ver Tabla 1) y cursos científicos y de competencias transferibles complementarios a nivel local (un mínimo de 5 créditos ECTS para los cursos de competencias complementarias y un mínimo de 9 créditos ECTS para los cursos técnicos, todo ello a nivel local). Además, los estudiantes matriculados en este programa conjunto de doctorado recibirán 5 créditos ECTS extra de su comisión de servicios de tipo industrial, llegando a sumar un total de 40 créditos ECTS. Según el Real Decreto 99/2011, los créditos ECTS se reconocerán como horas de actividades de doctorado. Así, 1 crédito ECTS se traducirá en 15 horas. Teniendo en cuenta las diferentes procedencias de los estudiantes, éstos tendrán libertad para elegir cursos específicos según sus necesidades. Todos los créditos obtenidos en una de las universidades participantes serán reconocidos en la otra y viceversa. A continuación se detalla el programa del curso:

Table 1- A-WEAR joint course work

Even	Course program	ECT	Training outcomes	Estimated month
E1	1 week orientation camp and Fall school on "Localization and communication enablers for wearables", including half-day fellow presentations and team building activities. It will include introductions, logistics and team building for the A-WEAR team, technical training on seamless localization and low-energy communications in IoT, and complementary skills on ethics in research, strategy&business planning and MyData. Planned lecturers from TAU and industry: Lohan (TAU) Nurmi (TAU), Kucheryavy (TAU), Silva (WPS), Costa (Huawei), Wirola (HERE), Torsner (ERI), Skournetou (Intel), Suomi (DLI), etc.	3	Overview of the training and research; IoT communication and positioning challenges; harmonization of training methodologies; orientation to PhD studies and ethical behaviour	Oct 2019
E2	Half-day A-WEAR workshop at AGILE 2020 conference on wearables in smart cities	1	Presentation, networking and communication skills	May 2020
E3	4-day summer school on "Machine Learning, Spatial analysis, and cybersecurity in wearables", including half-day fellow presentations and team building. Topics: machine learning, AI, cryptography and cybersecurity, web and context-aware systems, public safety; complementary skills on multi-cultural business communication and leadership. Planned lecturers from UJI and industry: Huerta (UJI), Gould (UJI), Juan (S2G), Carque (CPD), etc.	4	Machine learning and AI techniques; cybersecurity and cryptography methods; public safety; business and leadership	June 2020
E4	4 days, Winter school on "Consumer and healthcare applications of wearables", including half-day fellow presentations and team building activities. Topics: Ambient Assisted Living (AAL) challenges, eHealth platforms, mesh sensor networks, localization via miniaturized devices; complementary success stories of female leaders and from research idea to start-ups. Planned lecturers from UPB and industry: Marghescu (UPB), Niculescu (UPB), Popescu (UPB), Cramariuc (CIT), Suci (BEIA), Pavel (NXP), etc.	3	Wearables usage in AAL and eHealth; platforms requirements for consumer and eHealth applications; how to build a successful start-up	Sep 2020
E5	Half-day A-WEAR workshop at ICUMT 2020 conference on green communication and networking with wearables		Presentation, networking and communication skills	Oct 2020
E6	Joint virtual research seminar via Moodle2 and Echo tools covering edge and fog computing, physical layer parameter optimization and MAC protocols in wearables, and wearable applications and services. Lectures: all academic scientists-in-charge of A-WEAR.	3	7-layer OSI model of wearables: from physical layer to application layer – challenges and solutions	Dec 2020
E7	4-day summer school on "Critical Industrial Applications in 5G-Internet of Things (IoT) Ecosystem", including half-day fellow presentations and team building activities. Technical topics: privacy, precise indoor positioning for industrial applications, low-latency communication architectures. Complementary skills: legal aspects of security and privacy protection and from idea to commercial product. Planned lecturers from academy and industry: Hosek (BUT), Misurec (BUT), Simek (SWO), Sedlacek (Greycortex), Polcak (Masaryk university), Uhlir (South-Moravian Innovation Centre), Pus (NET), etc.	3	5G and mmWave architectures; privacy laws and digital privacy solutions; IPR protection.	May 2021

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Tabla 1 - Trabajo conjunto del curso de A-WEAR

Evento	Programa del curso	ECT	Resultados formativos	Mes estimado
E1	Campamento de orientación y escuela de otoño de una semana de duración sobre «Activadores de comunicación y localización para dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Incluirá presentaciones, logística y actividades de creación de equipo del equipo de A-WEAR, formación técnica sobre localización continua y comunicación a baja energía en loWT y habilidades complementarias sobre ética en la investigación, planificación estratégica y de negocios y MyData. Docentes esperados de TAU y de la industria: Lohan (TAU) Nurmi (TAU), Kucheryavy (TAU), Silva (WPS), Costa (Huawei), Wirola (HERE), Torsner (ERI), Skournetou (Intel), Suomi (DLI), etc.	3	Generalidades sobre formación e investigación; desafíos de comunicación y posicionamiento loWT; armonización de las metodologías de formación; orientación hacia estudios de doctorado y comportamientos éticos.	Octubre 2019
E2	Taller A-WEAR de medio día en la conferencia AGILE 2020 sobre dispositivos <i>wearables</i> en las ciudades inteligentes.	1	Habilidades de presentación, networking y comunicación.	Mayo 2020
E3	Escuela de verano de cuatro días sobre «Aprendizaje automático, análisis espacial y ciberseguridad en los dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas: aprendizaje automático, IA, criptografía y ciberseguridad, sistemas web y conocedores del contexto, seguridad pública; habilidades complementarias sobre comunicación empresarial multicultural y liderazgo. Docentes esperados de UJI y de la industria: Huerta (UJI), Gould (UJI), Juan (S2G), Carque (CPD), etc.	4	Técnicas de aprendizaje automático e IA; métodos de criptografía y ciberseguridad; seguridad pública; negocios y liderazgo.	Junio 2020
E4	Escuela de invierno de cuatro días sobre «Aplicaciones para consumidores y salud de dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas: desafíos de las residencias asistidas (AAL), plataformas electrónicas de salud, redes de sensores de malla, localización mediante dispositivos en miniatura; historias de éxito complementarias de líderes femeninas desde ideas de investigación hasta las <i>start-ups</i> . Docentes esperados de	3	Uso de dispositivos <i>wearables</i> en residencias asistidas (AAL) y salud electrónica; requisitos de las plataformas de las aplicaciones para consumidores y de salud electrónica; cómo crear una <i>start-up</i> de éxito.	Sept. 2020

E8	Half-day A-WEAR workshop at ICL-GNSS 2021 conference on Location Based Services through wearables	1	Presentation, networking and communication skills	Jun 2021
E9	Half-day A-WEAR workshop 2 at IPIN 2021 conference on indoor location privacy of wearables	1	Presentation, networking and communication skills	Sep 2021
E10	2.5-day workshop, including one-day fellow presentations and team building activities and complementary skills training on languages, communications, business, fundraising, entrepreneurship skills & success stories. Planned lecturers: Iera (URC), Molinaro (URC), Lener (T6E), Himanen (DLI), etc.	1	Fundraising and entrepreneurship skills for a successful career	Nov 2021
E11	2.5-day workshop, including one-day fellow presentations and team building activities and complementary skills training on multi-cultural environments, R&D project management & legal aspects and IPR. Planned lecturers: Langwaldt (TAU), Kiviniemi (TAU), Bhuiyan (FGI), Burian (uBlox), etc.	1	Project management cycle	May 2022
Total		21		

ARTICLE 7 - PERIOD OF CANDIDATURE

A full-time student is expected to complete the requirements of the doctoral education in three (3) years. If the student requires more time he/she must seek approval from both universities. Details regulating the mobility to the host university are found in ARTICLE 8.

Students selected to the joint degree doctoral education shall be provided with a necessary workspace, research equipment etc. at both universities and the hosting university shall assist in locating suitable accommodation.

ARTICLE 8 - MOBILITY

Students selected to the joint degree doctoral education will have a mandatory research mobility of 6 months at the host university and 3 months cross-sector secondment. Next to the above-mentioned minimum research mobility period and the meetings and seasonal schools of A-WEAR network (from Table 1), the doctoral candidate, for specific scientific needs (e.g. to attend PhD courses, workshops and conferences), may visit other Universities, Research Institutions, Companies, or other Professional Organisations, even if they are not part of the A-WEAR Consortium. Additional research visits longer than one month must be proposed by his/her supervisors and approved by the A-WEAR Management Board.

ARTICLE 9 – PRE-EXAMINATION OF DOCTORAL THESIS

The thesis manuscript has to pass the preliminary examination in both universities before entering to an oral examination (called dissertation). The committee for the preliminary examination (whose members are called pre-examiners) will be composed by 2 members, both of them from outside BUT or UJI and both of them having a doctoral degree. The pre-examiners must be approved by BUT and UJI.

Permission to publish the thesis as an academic dissertation will be granted only after passing the preliminary examination. The oral examination cannot take place before that. Both BUT and UJI will consult each other before nominating any necessary organs for preliminary examination or before giving a permission to publish the thesis.

ARTICLE 10 – DOCTORAL THESIS AND FINAL EXAMINATION (DISSERTATION)

The doctoral thesis is expected to contain research material of relevance, superior to that attainable by work



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	UPB y de la industria: Marghescu (UPB), Niculescu (UPB), Popescu (UPB), Cramariue (CIT), Suciú (BEIA), Pavel (NXP), etc.			
E5	Taller A-WEAR de medio día en la conferencia ICUMT 2020 sobre comunicación verde y networking con dispositivos <i>wearables</i> .		Habilidades de presentación, networking y comunicación.	Octubre 2020
E6	Seminario virtual de investigación conjunta mediante herramientas Moodle2 y Echo sobre <i>edge</i> y <i>fog computing</i> , optimización de parámetros de capas físicas y protocolos MAC en dispositivos <i>wearables</i> , así como aplicaciones y servicios para dispositivos <i>wearables</i> . Docentes: todos los científicos académicos a cargo de A-WEAR.	3	Modelo OSI de 7 capas de dispositivos <i>wearables</i> : desde la capa física a la capa de aplicación - desafíos y soluciones.	Dic. 2020
E7	Escuela de verano de cuatro días sobre «Aplicaciones industriales críticas en el Ecosistema 5G del Internet de las Cosas (IoT)», incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas técnicos: privacidad, posicionamiento preciso en interiores para aplicaciones industriales, arquitecturas de comunicación de baja latencia. Habilidades complementarias: aspectos legales de la protección de la seguridad y la privacidad y desde la idea al producto comercial. Docentes esperados de la academia y de la industria: Hosek (BUT), Misurec (BUT), Simek (SWO), Sedlacek (Greycortex), Polcak (Universidad de Masaryk), Uhler (Centro de Innovación de Moravia del Sur), Pus (NET), etc.	3	Arquitecturas 5G y mmWave; legislación sobre privacidad y soluciones digitales para la privacidad; protección de los derechos de propiedad internacional.	Mayo 2021
E8	Taller A-WEAR de medio día en la conferencia ICL-GNSS 2021 sobre servicios basados en la ubicación mediante dispositivos <i>wearables</i> .	1	Habilidades de presentación, networking y comunicación.	Junio 2021
E9	Segundo taller A-WEAR de medio día en la conferencia IPIN 2021 sobre la privacidad de ubicaciones en interiores de los dispositivos <i>wearables</i> .	1	Habilidades de presentación, networking y comunicación.	Sept. 2021
E10	Taller de dos días y medio, incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo, así como formación en habilidades complementarias de idiomas, comunicaciones, negocios, recaudación de fondos, habilidades de emprendimiento e historias de éxito. Docentes esperados: Iera	1	Habilidades de recaudación de fondos y emprendimiento para una carrera de éxito.	Nov. 2021

performed within a single PhD program. The doctoral thesis will be written in English. The thesis can be written only as a monograph, following the structure of the final thesis defined by the Guideline No. 72/2017 Format, Submission and Publication of Final Theses (Article 15)¹

The committee for the thesis dissertation will be composed of 5 members: two external members from outside BUT and UJI, two members from BUT, and one member from UJI (the main supervisor at UJI). All members of the dissertation committee must hold a doctoral degree and have a well-reputed scientific career. The agreed committee for thesis dissertation will be nominated by the two universities in compliance with their regulations. Both main supervisors should attend the public thesis dissertation. It is recommended to offer the host university, including the main supervisor from that university, the opportunity to participate in the public defence via video conference.

The dissertation of the thesis will be held at the home university and in the English language. Thereby, the respective-local regulations will be applied:

- BUT: The Doctoral Thesis Defence follows the Article 47 of The Study and Examination Rules of BUT. A doctoral thesis defence consists in a scientific discussion between the doctoral student and the opponent, members of the Doctoral Thesis Defence Committee and others involved in the defence. First, the doctoral student shall present material contents and main results of his/her doctoral thesis. Then the members of the Committee raise questions to clarify the thesis. The total time of the Doctoral thesis defence commonly does not exceed two hours.
- UJI: The candidate must defend his/her doctoral work in about 45 minutes. Following, the committee will raise as many questions as necessary to clarify the different aspects of the doctoral work.

ARTICLE 11- AWARDED DEGREE

§1. The Partner Institutions aims at delivering a completely joint doctoral degree and diploma, fully recognized and accredited in the Countries of the Partner Institutions (Czech Republic and Spain) and will do all that is possible to achieve this objective. The joint diploma will be printed by UJI.

§2. In case the delivery of a joint degree is not yet possible when the doctoral candidate will complete his/her doctoral activities, a double degree will be delivered by the two Partner Institutions where the candidate is registered according to his mobility path. The results of the thesis will be recognized by the two institutions. BUT offers either Doctor of Science (Technology) - DSc (Tech) - or Doctor of Philosophy – PhD - degree depending the educational background of the candidate. Both degrees are equal in contents and requirements. The DSc (Tech)/PhD education at BUT refers to a minimum of 40 ECTS of graduate work beyond the master's degree and a thorough research work leading to innovative results and several peer-reviewed publications. The PhD student must attain status as a doctoral candidate by satisfying the BUT specific degree requirements in the student's field. The student must prepare a doctoral dissertation, get it pre-approved by two external pre-examiners, chosen in accordance to BUT regulations, and successfully defend the Dissertation before a Dissertation Committee formed by at least one external evaluator.

§3. A "Diploma Supplement", as defined by current European regulations, describing all education/research/training activities and the mobility path of the individual student, will be issued along with the final degree.

ARTICLE 12 - FINANCIAL MATTERS

§1. Tuition fees

At UJI, there is a tuition fee generally applied to PhD students. For the joint degree PhD students from BUT covered by this agreement, UJI agrees to waive the tuition fee.

¹ <https://www.vutbr.cz/uredni-deska/vnitni-predpisy-a-dokumenty/-d161410/consolidated-version-guideline-no-72-2017-p16328/>



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	(URC), Molinaro (URC), Lener (T6E), Himanen (DLI), etc.			
E11	Taller de dos días y medio, incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo, así como formación en habilidades complementarias sobre entornos multiculturales, gestión de proyectos de I+D, aspectos legales y protección de los derechos de propiedad internacional. Docentes esperados: Langwaldt (TAU), Kiviniemi (TAU), Bhuiyan (FGI), Burian (uBlox), etc.	1	Ciclo de gestión de proyectos	Mayo 2022
Total		21		

ARTÍCULO 7 - PERÍODO DE CANDIDATURA

Los estudiantes a tiempo completo deberán haber satisfecho los requisitos para la obtención del título de doctorado en un periodo de tres (3) años. Si el alumno requiere más tiempo, deberá conseguir el visto bueno de ambas universidades. Los detalles sobre el traslado hacia la universidad de destino pueden consultarse en el ARTÍCULO 8.

A los estudiantes seleccionados para los estudios conjuntos de doctorado se les proporcionará un espacio de trabajo adecuado, equipos de investigación, etc. en ambas universidades y la universidad de destino le ayudará a encontrar un alojamiento apropiado.

ARTÍCULO 8 - MOVILIDAD

Los estudiantes seleccionados para los estudios conjuntos de doctorado deberán pasar, de forma obligatoria, seis meses como investigadores en la universidad de destino y tres meses en comisión de servicios multisectorial. Tras haber completado el período mínimo de movilidad para la investigación indicado anteriormente, y tras las reuniones y escuelas formativas estacionales de la red A-WEAR (ver la Tabla 1), el candidato a doctor podrá visitar otras universidades, institutos de investigación, empresas u otras organizaciones profesionales debido a necesidades científicas específicas (p. ej., para asistir a cursos de doctorado, talleres y conferencias), aunque no formen parte del Consorcio A-WEAR. Sus supervisores propondrán cualesquiera visitas de investigación adicionales de duración superior a un mes, las cuales deberán estar autorizadas por el Consejo de Administración de A-WEAR.

ARTÍCULO 9 - EVALUACIÓN PREVIA DE LA TESIS DOCTORAL

El manuscrito de la tesis deberá superar una evaluación previa en ambas universidades antes de su presentación oral (defensa de la tesis). El tribunal de evaluación preliminar (cuyos miembros son llamados examinadores preliminares) estará formado por dos miembros, ambos ajenos a BUT y UJI, y ambos en posesión de un título de doctorado. Los examinadores preliminares deberán estar autorizados por BUT y UJI.

El permiso para la publicación de la tesis como tesis doctoral académica se concederá únicamente tras haber superado la evaluación previa. El examen oral no podrá

At BUT, the students hired in the A-WEAR project are liberated from paying the tuition fees for doctoral studies.

Costs related to the conducting of research at the universities will be covered by A-WEAR project grant.

§2. Fees related to the Dissertation

The home university will cover the Dissertation fees and any fees related to the two members of the Dissertation committee which are not from BUT or UJI and the fees related to the home university member participating in the Dissertation committee, according to the university rules. The host university will cover the fees of its members participating in the Dissertation committee.

ARTICLE 13 - CONTINUATION, WITHDRAWAL, TERMINATION OF CANDIDATURE

Students of the joint degree doctoral education are required to follow the rules and regulations of both BUT and UJI for doctoral candidates, including the conditions for continuation, withdrawal and termination of doctoral studies. If a student wishes to leave the joint degree doctoral education he/she will be free to pursue a regular degree at either university, provided that the existing regulations permit it.

ARTICLE 14 - USE OF INTELLECTUAL PROPERTY

Doctoral candidates own the copyright to their dissertation and the dissertation is public. When the doctoral candidate is the sole author of the doctoral degree thesis, he/she alone has the copyright to the work. If the doctoral degree thesis consists of a collection of articles and a summary, the doctoral candidate has the copyright to those parts that are the results of his/her independent effort.

Both institutions shall have the non-exclusive right for a non-commercial use of the thesis and the results in their education, training and research. This right is perpetual and free of any charge.

If the doctoral student participates in an externally funded research project in which he/she shall transfer intellectual property rights to the university/universities, a separate written agreement shall be negotiated between the relevant parties.

ARTICLE 15 – PERSONAL DATA PROTECTION POLICY

The personal data will be processed in compliance with applicable EU and national law on data protection (including authorisations or notification requirements) and according to the project Grant Agreement number 813278 — A-WEAR — H2020-MSCA-ITN-2018.

ARTICLE 16 - SPECIAL SITUATIONS

Any disputes arising from the interpretation of this Cooperation Agreement shall be resolved jointly by and between respective faculties at BUT and UJI. In the event of non-resolution, the first step is mediation by the Rector of BUT and the Rector of UJI and the second step is to refer the dispute to arbitration under the Rules of Arbitration of the International Chamber of Commerce by one arbitrator appointed in accordance with said Rules. The place of arbitration shall be the city of registered office of the home university. The language of the arbitration shall be English. This Agreement shall be construed in accordance with, and governed by, the national law of the home university, excluding its conflict of law provisions.

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celebrarse antes de ello. Tanto BUT como UJI se consultarán mutuamente antes de nombrar los órganos necesarios para la evaluación preliminar o antes de dar permiso para la publicación de la tesis.

ARTÍCULO 10 - TESIS DOCTORAL Y EXAMEN FINAL (DEFENSA DE LA TESIS)

La tesis doctoral deberá contener material de investigación relevante, superior al alcanzable mediante el trabajo en un programa de doctorado independiente. La tesis doctoral estará redactada en idioma inglés. La tesis solo podrá estar redactada como monografía siguiendo la estructura de tesis final definida en la Norma nº 72/2017 sobre Formato, Presentación y Publicación de Tesis Finales (Artículo 15)¹

El tribunal para la defensa de la tesis estará compuesto por cinco miembros: dos miembros externos de BUT y UJI, dos miembros de BUT y un miembro de UJI (el supervisor principal de UJI). Todos los miembros del tribunal deberán estar en posesión de un título de doctorado y tener una carrera científica reputada. El tribunal para la defensa de la tesis será nombrado por las dos universidades de conformidad con sus respectivos reglamentos. Ambos supervisores principales deberán asistir a la defensa de la tesis. Se recomienda ofrecer a la universidad de destino, incluyendo al supervisor principal de esa universidad, la oportunidad de participar en la defensa de la tesis por videoconferencia.

La defensa de la tesis se celebrará en la universidad de origen y en lengua inglesa. Por tanto, se aplicarán los respectivos reglamentos de cada universidad:

- BUT: La Defensa de la Tesis Doctoral se regirá por lo establecido en el Artículo 47 de la Normativa de Estudios y Examinaciones de BUT. La defensa de tesis doctoral consistirá en la discusión científica entre el estudiante de doctorado y el oponente, los miembros del Comité de Defensa de Tesis Doctoral y otros involucrados en la defensa. Primero, el estudiante de doctorado deberá presentar los contenidos y los principales resultados de su tesis doctoral. A continuación, los miembros del Comité plantearán cuestiones para clarificar los aspectos principales de la tesis. El tiempo total de defensa de la tesis doctoral generalmente no excede las dos horas.
- UJI: El candidato deberá defender su tesis doctoral en unos cuarenta y cinco minutos. Después, el tribunal le formulará cuantas preguntas sean necesarias para aclarar los distintos aspectos de su trabajo.

¹<https://www.vutbr.cz/uredni-deska/vnitni-predpisy-a-dokumenty/-d161410/consolidated-version-guideline-no-72-2017-p163986>

ARTÍCULO 11 - OTORGAMIENTO DEL TÍTULO

1. Las instituciones participantes tendrán el objetivo de proporcionar la titulación y validez en los países de las instituciones participantes (República Checa y España), y harán todo lo posible para alcanzar dicho objetivo. El diploma conjunto será impreso por UJI.

2. En caso de que no fuese todavía posible otorgar un título conjunto cuando el candidato a doctor haya completado su formación, las dos instituciones participantes en las que el candidato esté inscrito conforme su plan de movilidad, entregarán la doble titulación. Las calificaciones de la tesis estarán reconocidas por ambas instituciones. BUT ofrece ambos, el título de Doctor en Ciencia (Tecnología) - DSc (Tech) – y el de Doctor en Filosofía - PhD - dependiendo de la trayectoria formativa del candidato.

ARTICLE 17 - EFFECTIVE DATE AND TERMINATION

This Cooperative Agreement will become effective upon signing and shall remain in effect for 4 years after the date of the last signature and will be automatically renewed for 2 more years after finalization of the first 4 years period. Modifications to this Cooperative Agreement may be made by mutual agreement duly signed by an authorized representative of each Party.

ARTICLE 18 - LIABILITY

Liability rules are governed by the liability rules set in the A-WEAR Consortium Agreement.

This Agreement has been signed in two originals in English, of which each institution has taken one.

Signing the Cooperative Agreement for Universitat Jaume I

Title of the authorised representative:

Rector

Name of the authorised representative:

Prof. Eva Alcón Soler

Date: 03/09/2019

Signature:

Title of the authorised representative:

Director of School of Doctorate

Name of the authorised representative:

Prof. Mercè Correa Sanz

Date: 29/7/2019

Signature:

Signing the Cooperative Agreement for Brno University of Technology

Title of the authorised representative:

Rector

Name of the authorised representative:

prof. RNDr. Ing. Petr Štěpánek CSc., dr. h. c.

Date:

Signature:

Title of the authorised representative:

Dean

Name of the authorised representative:

prof. RNDr. Vladimír Aubrecht CSc.

Date:

Signature:

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Ambos títulos son iguales en contenidos y requisitos. El título de DSc (Tech)/PhD en BUT se refiere a un mínimo de cuarenta créditos ECTS de trabajo académico subsecuente a los estudios de máster y tras un exhaustivo trabajo de investigación conducente a resultados innovadores y diversas publicaciones revisadas por colegas profesionales. El estudiante de doctorado obtendrá el estatus de candidato a doctor cuando satisfaga los requisitos específicos de BUT en su campo de estudio. El estudiante deberá preparar la defensa de la tesis, conseguir su aprobación previa por parte de dos examinadores preliminares externos elegidos de conformidad con el reglamento de BUT y defenderla con éxito ante un Tribunal formado por, al menos, un examinador externo.

3. Junto al título definitivo, se emitirá un «suplemento al título», tal y como se define en la legislación europea vigente, donde se describirán todas las actividades educativas, de investigación y formativas, así como el plan de movilidad del estudiante.

ARTÍCULO 12 - ASPECTOS FINANCIEROS

1. Tasas de matrícula

En UJI existen tasas de matrícula que se aplican de forma general a todos los estudiantes de doctorado. UJI eximirá del pago de dichas tasas a los estudiantes de doctorado conjunto de BUT amparados por este acuerdo.

En BUT, los estudiantes contratados para el proyecto A-WEAR estarán exentos de abonar las tasas de matrícula para los estudios de doctorado.

Los costes relativos a la realización de investigaciones en ambas universidades estarán cubiertos por la subvención del proyecto A-WEAR.

2. Tasas relativas a la defensa de la tesis

La universidad de origen sufragará las tasas relativas a la defensa de la tesis y cualesquiera otros honorarios respecto de los dos miembros del Tribunal que no pertenecen a BUT ni a UJI, así como los honorarios relativos al miembro de la universidad de origen que forme parte del Tribunal, según lo estipulado en el reglamento de la universidad. La universidad de destino sufragará los honorarios de sus propios miembros que formen parte del Tribunal.

ARTÍCULO 13 - CONTINUACIÓN, RETIRADA Y FINALIZACIÓN DE LA CANDIDATURA

Los alumnos de los estudios conjuntos de doctorado deberán cumplir las normas y los reglamentos tanto de BUT como de UJI aplicables, incluyendo las condiciones de continuación, retirada y finalización de los estudios de doctorado. Si un estudiante deseara dejar unos estudios conjuntos de doctorado, tendrá libertad para matricularse en cualesquiera otros estudios en cualquiera de las universidades, siempre y cuando el reglamento vigente así lo permita.

ARTÍCULO 14 - USO DE LA PROPIEDAD INTELECTUAL

Los candidatos a doctor poseerán los derechos de autor de su tesis doctoral y ésta será pública. Cuando el candidato a doctor sea el único autor de la tesis doctoral, será el único titular de los derechos de autor de dicho trabajo. Si la tesis doctoral consiste en

ANNEX: PROJECT-SPECIFIC INFORMATION

Three of the A-WEAR recruited fellows (denoted in the A-WEAR Grant Agreement by ESR7, and ESR13) will register to this joint degree program. The specifics of their projects are given below.

ESR7

Project Title and Work Package: Urban Mobility: balancing usefulness and privacy,	
Objectives: • Investigate human attitude towards mobility data sharing, across various dimensions (motivations, willingness, purpose, incentive, etc.); • Learn more about methodologies for pedestrian data sharing while walking in the city (ants analogy); • Test machine learning possibilities, in real-time and post-processing, of pedestrian data	
Expected Results: Dataset collected from pedestrian volunteers, to be used for future research; Models and methodologies for how pedestrians can share data with selected others; Methodologies and recommendations for machine learning and big data processing of pedestrian shared data	
Planned secondment(s): 1.BUT: 12 cumulative months, starting M21, work on machine learning for the urban mobility observatory and local training at BUT. 2. CPD, 1 months starting M33 to work on public safety aspects, 3. S2G, 2 months starting M41 for training on cybersecurity	
Joint PhD degree from: UJI and BUT	Supervisory team: Prof. Gould (UJI), Prof. Remolar (UJI); Assoc. Prof. Hajný (BUT), industrial mentors: Carque (CPD), Andreu (CPD), Alarcon (S2G)

ESR13

Project Title and Work Package: Privacy-enhancing technologies and privacy-enhancing cryptography for wearables	
Objectives: • Design and evaluate novel cryptographic technologies for the protection of privacy and digital identity of electronic users, in particular those providing attribute-based authentication in electronic systems; • Ensure the user authenticity in dynamic wireless wearable architectures; • Find solutions to solve the inefficient revocation of invalid users, the missing identification of malicious users and low performance on constrained devices, such as wearables; • Test and benchmark the developed algorithms on existing wearable hardware devices, such as personal tags, smart watch, smart cards	
Expected Results: novel cryptographic protocols for attribute-based authentication; new privacy protection mechanisms of users in electronic systems; benchmarks and formally proven secure algorithms on wearable devices	
Planned secondment(s): 1. 12 cumulative months at UJI, starting M21, work on state-of-the-art review and novel cryptographic techniques in IoWT and attending UJI lectures; 2. 2 months at NET starting M39, building a HW set-up for algorithm testing	
Joint PhD degree from: BUT and UJI	Supervisory team: Assoc. Prof. Hajný (BUT), Prof. Gould (UJI), industrial mentors: Dr. Puš (NET), Mr. Matoušek (NET).

12 NOV 2019

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una compilación de artículos y un resumen, el candidato a doctor tendrá los derechos de autor sobre las partes que sean el resultado de su trabajo individual.

Ambas instituciones tendrán derecho no exclusivo sobre el uso no comercial de la tesis y sus resultados en sus actividades educativas, de formación e investigación. Este derecho es gratuito y a perpetuidad.

Si el estudiante de doctorado participa en un proyecto de investigación financiado de manera externa en el que ceda derechos de propiedad intelectual a la universidad/las universidades, se negociará un acuerdo redactado por separado entre las partes implicadas.

ARTÍCULO 15 - POLÍTICA DE PROTECCIÓN DE DATOS PERSONALES

Los datos personales se tratarán de conformidad con lo estipulado en la legislación nacional y de la UE sobre protección de datos (incluyendo los requisitos de autorización o de notificación) y según el Acuerdo de Subvención del proyecto número 813278 — A-WEAR — H2020-MSCA-ITN-2018.

ARTÍCULO 16 - SITUACIONES ESPECIALES

Cualesquiera conflictos surgidos por la interpretación de este Acuerdo de Cooperación serán resueltos conjuntamente por las respectivas autoridades en BUT y UJI. En caso de no resolverse, el primer paso será la mediación por parte del Rector de BUT y el Rector de UJI, y el segundo paso será someter el conflicto al laudo arbitral según las Reglas de Arbitraje de la Cámara de Comercio Internacional por un árbitro nombrado de conformidad con dicho Reglamento. El lugar del arbitraje será la ciudad de la sede de la universidad de origen. El idioma del arbitraje será el inglés. Este Acuerdo se interpretará conforme a las estipulaciones de la legislación nacional de la universidad de origen y estará regido por ella, excluyendo sus disposiciones sobre conflicto de leyes.

ARTÍCULO 17 - FECHA DE EFECTO Y DE RESCISIÓN

Este Acuerdo de Cooperación surtirá efecto a partir de la fecha de la firma y tendrá validez durante cuatro años tras la fecha de la última firma. Se renovará automáticamente por dos años más tras la finalización del primer período de cuatro años. Podrán realizarse modificaciones a este Acuerdo de Cooperación de mutuo acuerdo, siempre que queden debidamente firmadas por un representante autorizado de cada Parte.

ARTÍCULO 18 - RESPONSABILIDAD

Las normas sobre responsabilidad se regirán por el reglamento sobre responsabilidad en el Acuerdo de Consorcio A-WEAR.

El presente Acuerdo se firma por duplicado en dos originales redactados en lengua inglesa, y cada una de las instituciones participantes recibe uno de ellos.



JARÍA MARTÍNEZ BALAGUER

RADUCTION-INTERPRETE JURADA DE INGLÉS

Nº 111 3847

una colección de artículos y un resumen. El candidato a doctor tendrá los derechos de autor sobre los países que sean el resultado de su trabajo individual.

Amas instituciones tendrán derecho no exclusivo sobre el uso no comercial de la tesis y sus resultados en sus actividades educativas, de formación e investigación. Este derecho es gratuito e perpetuo.

Si el estudiante de doctorado participa en un proyecto de investigación financiado de manera externa en el que se de derechos de propiedad intelectual a la universidad, las universidades, se negocia un acuerdo redactado por separado entre las partes involucradas.

ARTÍCULO 15 - POLÍTICA DE PROTECCIÓN DE DATOS PERSONALES

Los datos personales se tratarán de conformidad con la legislación nacional y de la UE sobre protección de datos (incluyendo los requisitos de autorización o de notificación) y según el Acuerdo de Subvención del proyecto número B13275 - A-WEAR - H2020-MSCA-ITN-2018.

ARTÍCULO 16 - SITUACIONES ESPECIALES

Cualesquiera conflictos surgidos por la interpretación de este Acuerdo de Cooperación serán resueltos conjuntamente por las respectivas autoridades en BUT y UJI. En caso de no resolverse, el primer paso será la mediación por parte del Rector de BUT y el Rector de UJI. Y el segundo paso será someter el conflicto al laudo arbitral según las Reglas de Arbitraje de la Cámara de Comercio Internacional por un árbitro nombrado de conformidad con dicho Reglamento. El lugar del arbitraje será la ciudad de la sede de la universidad de origen. El idioma del arbitraje será el inglés. Este Acuerdo se interpretará conforme a las disposiciones de la legislación nacional de la universidad de origen y estará regido por ella, excluyendo sus disposiciones sobre conflicto de leyes.

ARTÍCULO 17 - FECHA DE EFECTO Y DE RENOVACIÓN

Este Acuerdo de Cooperación entrará en vigor a partir de la fecha de la firma y tendrá validez durante cuatro años tras la fecha de la última firma. Se renovará automáticamente por dos años más tras la finalización del primer periodo de cuatro años. Podrán realizarse modificaciones a este Acuerdo de Cooperación de mutuo acuerdo, siempre que queden debidamente firmadas por un representante autorizado de cada Parte.

ARTÍCULO 18 - RESPONSABILIDAD

Las normas sobre responsabilidad se regirán por el reglamento sobre responsabilidad en el Acuerdo de Consorcio A-WEAR.

El presente Acuerdo se firma por duplicado en dos originales redactados en inglés, y cada una de las instituciones participantes recibe uno de ellos.



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Firmas para el Acuerdo de Cooperación de Universitat Jaume I

Título del representante autorizado:
Nombre del representante autorizado:

Rectora
Prof. Eva Alcón Soler

Fecha: 03/09/2019

Firma: [Firma ilegible y sello:]
UNIVERSITAT JAUME I

Título del representante autorizado:
Nombre del representante autorizado:
Fecha: 29/07/2019

Directora de la Escuela de Doctorado
Prof. Mercè Correa Sanz
Firma: [Firma ilegible]

Firmas para el Acuerdo de Cooperación de BRNO University of Technology

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Rector
Prof. RNDr. Ing. Petr Štěpánek CSc., dr. h. c.
Firma: [Firma ilegible y sello en idioma
aparentemente checo]

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Decano
Prof. RDNr. Vladimír Aubrecht CSc
Firma: [Firma ilegible y sello en idioma
aparentemente checo]

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MARIA MARTINEZ BALAGUER

INSTITUTO INTERPRETE JARUA DE INGLÉS

Nº 111 3047

Financiado por el Acuerdo de Cooperación de la Universidad Jyväskylä

Rector

Prof. Eva Aho-Selä

Financiado por el Acuerdo de Cooperación de la Universidad Jyväskylä

UNIVERSITAT JYVASKYLÄ

Director de la Escuela de Doctorado

Prof. Jarmo Korhonen

Financiado por el Acuerdo de Cooperación de la Universidad Jyväskylä

Financiado por el Acuerdo de Cooperación de la Universidad Jyväskylä

Rector

Prof. RNDr. Ing. Petr Štěpánek

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Prof. RNDr. Vladimír Aubrecht

Financiado por el Acuerdo de Cooperación de la Universidad Jyväskylä

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MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Nº TIJ 3047

CLASE 8.ª

ANEXO: INFORMACIÓN ESPECÍFICA DEL PROYECTO

Tres de los candidatos seleccionados por A-WEAR (denominados en el Acuerdo de Subvención de A-WEAR como ESR7 y ESR13) se matricularán en este plan de estudios conjunto. A continuación se incluye información específica sobre sus proyectos.

ESR7

Título del proyecto y paquete de trabajo: Movilidad urbana: equilibrar utilidad y privacidad.	
Objetivos: Investigar la actitud de las personas hacia el hecho de compartir datos de desplazamientos en diversas dimensiones (motivaciones, voluntad, propósito, incentivos, etc.). Aprender más sobre las metodologías para datos compartidos por peatones al caminar por la ciudad (analogía con las hormigas). Poner a prueba las posibilidades de aprendizaje automático de los datos de los peatones en directo y tras ser procesados.	
Resultados esperados: Conjunto de datos cedidos por peatones voluntarios, los cuales se usarán para la futura investigación. Modelos y metodologías sobre cómo pueden compartir datos los peatones con las personas que ellos elijan. Metodologías y recomendaciones para el aprendizaje automático y el procesamiento masivo de los datos compartidos por los peatones.	
Comisión(es) de servicios prevista(s): 1. BUT: 12 meses acumulativos, inicio en M2, trabajo en el aprendizaje automático para el observatorio de movilidad urbana y formación local en BUT. 2. CPD, 1 mes, inicio en M33 para trabajar en asuntos de seguridad pública. 3. S2G, 2 meses, inicio en M41 para formación en ciberseguridad.	
Título de doctorado conjunto de UJI y BUT	Equipo de supervisión: Prof. Gould (UJI), Prof. Remolar (UJI), Profesor Titular Hajny (BUT), mentores industriales: Carque (CPD), Andreu (CPD), Alarcon (S2G).

ESR13

Título del proyecto y paquete de trabajo: Tecnologías para mejorar la privacidad y criptografía para la mejora de la privacidad de los dispositivos <i>wearables</i> .	
Objetivos: Diseñar y evaluar nuevas técnicas de criptografía para la protección de la privacidad y de la identidad digital de los usuarios electrónicos, especialmente los que permiten la autenticación en sistemas electrónicos basada en atributos. Garantizar la identidad del usuario en arquitecturas dinámicas de dispositivos <i>wearables</i> inalámbricos. Encontrar soluciones para resolver la revocación ineficiente de usuarios inválidos, la identificación defectuosa de usuarios maliciosos y el bajo rendimiento de los dispositivos restringidos, como los dispositivos <i>wearables</i> . Poner a prueba y usar como referencia los algoritmos desarrollados sobre los dispositivos <i>wearables</i> de <i>hardware</i> existentes, como las etiquetas personales, los relojes inteligentes o las tarjetas inteligentes.	
Resultados esperados: Nuevos protocolos de criptografía para la autenticación basada en atributos. Nuevos mecanismos de protección de la privacidad de los usuarios de los sistemas electrónicos. Algoritmos de referencia y de seguridad debidamente demostrada en los dispositivos <i>wearables</i> .	
Comisión(es) de servicios prevista(s): 1. 12 meses acumulativos en UJI, inicio en M21, trabajo en nuevas técnicas criptográficas de última generación y revisión de estas en IoT, además de asistir a clases en UJI. 2. 2 meses en NET, inicio en M39, construcción de un equipo HW para poner a prueba algoritmos.	
Título de doctorado conjunto de UJI y BUT	Equipo de supervisión: Profesor Titular Hajny (BUT), Prof. Gould (UJI), mentores industriales: Dr. Pus (NET), Mr Matousek (NET)

Fin de la traducción jurada



ANEXO: INFORMACIÓN ESPECÍFICA DEL PROYECTO

Tras de los candidatos seleccionados por A-WEAR (denominados en el Acuerdo de Subvención de A-WEAR como ESR1 y ESR12) se matricularán en este plan de estudios conjunto. A continuación se incluye información específica sobre sus proyectos.

ESR1	ESR12
<p>Título del proyecto y paquete de trabajo: Tecnología para mejorar la privacidad y ciberseguridad para la mejora de la privacidad de los dispositivos web.</p> <p>Objetivos: Diseñar y evaluar nuevas técnicas de cifrado para la protección de la privacidad y de la identidad digital de los usuarios electrónicos, especialmente los que pertenecen a subvenciones en sistemas electrónicos basados en móviles. Garantizar la identidad del usuario en aplicaciones distribuidas de dispositivos web/electrónicos. Encontrar soluciones para resolver la invasión de identidad de usuarios móviles, la identificación de usuarios de usuarios móviles y el pago de identidad de los dispositivos electrónicos, como los dispositivos web/electrónicos. Probar la prueba y usar como referencia los algoritmos de identificación como los dispositivos web/electrónicos de dispositivos existentes, como las tarjetas de identidad, los datos de identidad o las tarjetas de identidad.</p> <p>Resultados esperados: Nuevas técnicas de cifrado para la protección de la privacidad de los usuarios electrónicos. Nuevas técnicas de protección de la privacidad de los usuarios de los sistemas electrónicos. Aportar información y de seguridad de dispositivos electrónicos en los dispositivos web/electrónicos.</p> <p>Consideraciones de servicios previos: 1. 12 meses de actividades en el equipo de ESR1, desde el inicio de la fase de actividades de ESR1 hasta el inicio de la fase de actividades de ESR12, desde el inicio de la fase de actividades de ESR1 hasta el inicio de la fase de actividades de ESR12.</p> <p>Equipo de supervisión: Profesor Titular Hénry (BUT), Prof. Goud (LUI), mentores industriales: Prof. (MET) de</p>	<p>Título del proyecto y paquete de trabajo: Tecnología para mejorar la privacidad y ciberseguridad para la mejora de la privacidad de los dispositivos web.</p> <p>Objetivos: Diseñar y evaluar nuevas técnicas de cifrado para la protección de la privacidad y de la identidad digital de los usuarios electrónicos, especialmente los que pertenecen a subvenciones en sistemas electrónicos basados en móviles. Garantizar la identidad del usuario en aplicaciones distribuidas de dispositivos web/electrónicos. Encontrar soluciones para resolver la invasión de identidad de usuarios móviles, la identificación de usuarios de usuarios móviles y el pago de identidad de los dispositivos electrónicos, como los dispositivos web/electrónicos. Probar la prueba y usar como referencia los algoritmos de identificación como los dispositivos web/electrónicos de dispositivos existentes, como las tarjetas de identidad, los datos de identidad o las tarjetas de identidad.</p> <p>Resultados esperados: Nuevas técnicas de cifrado para la protección de la privacidad de los usuarios electrónicos. Nuevas técnicas de protección de la privacidad de los usuarios de los sistemas electrónicos. Aportar información y de seguridad de dispositivos electrónicos en los dispositivos web/electrónicos.</p> <p>Consideraciones de servicios previos: 1. 12 meses de actividades en el equipo de ESR1, desde el inicio de la fase de actividades de ESR1 hasta el inicio de la fase de actividades de ESR12, desde el inicio de la fase de actividades de ESR1 hasta el inicio de la fase de actividades de ESR12.</p> <p>Equipo de supervisión: Profesor Titular Hénry (BUT), Prof. Goud (LUI), mentores industriales: Prof. (MET) de</p>



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CLASE 8.ª

María **Martínez** Balaguer, Traductora-Intérprete Jurada de Inglés, nombrada por el Ministerio de Asuntos Exteriores y de Cooperación, certifica que la que antecede es una traducción fiel y completa al español de un documento redactado en lengua inglesa. En Castellón, a once de noviembre de dos mil diecinueve.

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
Nº TIJ 3047

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MARIA MARTINEZ BALAGUER

TRADUCCION INTERPRETE JURADA DE INGLES

Nº TIL 3067

MARIA MARTINEZ BALAGUER

TRADUCCION INTERPRETE JURADA DE INGLES

Nº TIL 3067

CLASE 8-
Maria Martinez Balaguer, Traductora-
Intérprete Jurada de Inglés, nombrada por
el Ministerio de Asuntos Exteriores y de
Cooperación, certifica que la que antecede
es una traducción fiel y completa al
español de un documento redactado en
lengua inglesa. En Castellón, a once de
noviembre de dos mil diecinueve.



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Principio de traducción jurada de original en idioma inglés

**Acuerdo de Cooperación
en relación con los estudios conjuntos de doctorado en el Doctorado Europeo Conjunto
« Aplicaciones de *wearables* con restricciones de privacidad » (A-WEAR)**

entre

**la Facultad de Tecnologías de la Información y la Comunicación
de Tampere University**

y

**el Instituto de Nuevas Tecnologías de la Imagen
de Universitat Jaume I (UJI)**

ARTÍCULO 1 - OBJETO DEL ACUERDO

El presente acuerdo define las características académicas, financieras y administrativas de la participación del candidato a doctor en el Doctorado Europeo Conjunto A-WEAR, www.a-wear.eu, financiado por la Comisión Europea dentro de las Acciones Marie Skłodowska-Curie, Redes Internacionales de Formación (ITN), Doctorados Europeos Conjuntos (EJD), Acuerdo de Subvención número 813278 — A-WEAR — H2020-MSCA.ITN-2018.

Nos referiremos a la universidad donde el alumno inicie sus estudios de doctorado como la *universidad de origen*, mientras que la otra universidad que implemente los estudios conjuntos de doctorado será la *universidad de destino*. Los alumnos tendrán los mismos derechos y obligaciones que los estudiantes de doctorado en ambas instituciones.

ARTÍCULO 2 - OBJETIVOS Y RESULTADOS DE APRENDIZAJE

Los estudios conjuntos de doctorado tienen como objeto formar a investigadores y profesionales del más alto nivel para el creciente sector de la *wearable computing* combinando la experiencia de los laboratorios asociados a la Facultad de Tecnologías de la Información y la Comunicación de Tampere University (TAU) y el Instituto de Nuevas Tecnologías de la Imagen de Universitat Jaume I (UJI). El objetivo principal del programa conjunto de estudios de doctorado es la preparación de científicos del más alto nivel que puedan proporcionar soluciones a los complejos retos de la ciencia y la tecnología en los campos de la ingeniería eléctrica, las comunicaciones y la *wearable computing*. Otro de los objetivos es enseñar a los graduados los métodos del trabajo científico, a fin de prepararlos para enfrentarse a los desafíos futuros de los dispositivos inteligentes *wearables* y la informática inalámbrica, la automatización y la ingeniería de comunicaciones. Los resultados de aprendizaje que se esperan de los candidatos a doctor incluyen varias ramas de los sistemas de comunicación inalámbricos, posicionamiento y navegación inalámbrica, procesamiento de señales digitales, modelaje y simulación de sistemas, redes y protocolos inalámbricos y sistemas integrados.

12 NOV 2019

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

**Cooperative Agreement
Regarding Joint Doctoral Education in European Joint Doctorate "Dynamic Wearable Applications
with Privacy Constraints" (A-WEAR)**

between

Faculty of Information Technology and Communication

Tampere University

and

**Institute of New Imaging Technologies
Universitat Jaume I (UJI)**

ARTICLE 1 - PURPOSE OF THE AGREEMENT

This agreement defines the academic, financial and administrative modalities of the doctoral candidate's participation in the A-WEAR European joint doctorate, www.a-wear.eu, funded by the European Commission within the Marie Skłodowska-Curie Actions, International Training Networks (ITN), European Joint Doctorates (EJD), Grant Agreement number 813278 — A-WEAR — H2020-MSCA-ITN-2018.

The University where the student will start the doctoral training will be referred to as the *home university*. The other university implementing this joint degree doctoral education will be referred to as the *host university*. Students shall have the same rights and obligations as degree students in the respective institutions.

ARTICLE 2 - AIMS AND LEARNING OUTCOMES

The joint degree doctoral education aims at producing top-level researchers and professionals for the growing field of wearable computing by combining the special expertise of the laboratories associated to the Faculty of Information Technology and Communication at the Tampere University (TAU) and the Institute of New Imaging Technologies at Universitat Jaume I (UJI). The main objective of the joint degree doctoral program is to prepare top-class scientific individuals that will be able to provide solutions to challenging problems of science and technology in the fields of electrical engineering and communications and wearable computing. Another aim is to teach graduates the methods of scientific work, to prepare them to face the future challenges in smart wearables and wireless computing, and to furnish students with theoretical, experimental and practical knowledge from the field of wireless computing, automation, and communications engineering. The expected learning outcomes of the doctoral candidates include various branches of wireless communication systems, wireless positioning and navigation, digital signal processing, system modelling and simulation, wireless networks and protocols, and embedded systems.

ARTICLE 3 - DOCTORAL CANDIDATE AND STUDENT STATUS

The Doctoral candidate performing a joint doctorate will register first at the home university and then at the host university as a degree-seeking doctoral student. Students will be admitted to the joint PhD programme on a full-time basis.

For the Tampere University, the modalities of registration, description and reproduction of the thesis are governed by the Government Decree on University Degrees 1039/2013 and the internal rules and regulations of the university. At UJI, the "Programa de Doctorado en Informática" has been approved by the University Council on July 25th, 2013 (<https://www.uji.es/bin/infoest/estudis/doctorat/prog/infor.pdf>), according to the regulation by the Ministry of Education on February 10th, 2011, by the Royal Decree 99/2011, (<http://www.boe.es/dias/2011/02/10/pdfs/BOE-A-2011-2541.pdf>). Doctoral candidates are bound to comply with the regulations in force in all Institutions where they will carry out their doctoral activities. The students



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Nº TIJ 3047**CLASE 8.ª****ARTÍCULO 3 - ESTATUS DEL ALUMNO Y CANDIDATO A DOCTOR**

El candidato a doctor que participe en el programa conjunto de doctorado se matriculará primero en su universidad de origen y posteriormente en la de destino en ambos casos como alumno de doctorado. Los alumnos serán admitidos en el programa conjunto de doctorado a tiempo completo.

En Tampere University, las características de registro, descripción y reproducción de la tesis estarán regidas por el Decreto Gubernamental sobre Títulos Universitarios 1039/2013 y la normativa y los reglamentos internos de la universidad. En UJI, el Programa de Doctorado en Informática fue aprobado por el Consejo de Universidades el 25 de julio de 2013 (<https://www.uji.es/bin/infoest/estudis/doctorat/prog/infor.pdf>) de conformidad con la legislación del Ministerio de Educación del 10 de febrero de 2011, el Real Decreto 99/2011 (<http://www.boe.es/dias/2011/02/10/pdfs/BOE-A-2011-2541.pdf>). Los candidatos a doctor deberán cumplir la normativa vigente en todas las instituciones donde realicen sus estudios de doctorado. Los alumnos recibirán su formación de conformidad con el programa de estudios definido en el ARTÍCULO 6 y el plan de movilidad definido en el ARTÍCULO 8. La lengua de instrucción en estos programas será el inglés.

Los candidatos a doctor admitidos en este programa conjunto de doctorado trabajarán en proyectos de investigación definidos en el proyecto A-WEAR.

ARTÍCULO 4 - SELECCIÓN Y ADMISIÓN CONJUNTA DE ESTUDIANTES

1. Admisión conjunta. Los candidatos enviarán su solicitud a través de una plataforma central de presentación de solicitudes alojada en Universitat Jaume I. Para acceder a los programas de doctorado, los candidatos deberán al menos poseer un título de máster en ciencias en relación con algún campo técnico relevante para el A-WEAR, poseer un certificado que demuestre un nivel suficiente de inglés y cumplir los criterios de selección de la UE.

2. Selección conjunta. La selección de candidatos para el A-WEAR se llevará a cabo mediante un proceso claro, transparente y de abierta competitividad, teniendo en cuenta el equilibrio entre los sexos y las normas sobre igualdad de oportunidades (apartados 3.2.5. y 3.2.9).

Los criterios de selección se basarán en la excelencia y tendrán en cuenta lo siguiente:

- Título de máster o equivalente en el campo de la ingeniería eléctrica, la ingeniería de telecomunicaciones o un campo estrechamente relacionado, superado con buenas calificaciones.
- El CV del candidato, lista de sus publicaciones y servicios sociales.
- Competencia suficiente en lengua inglesa. Para poder presentarse como candidato a los estudios conjuntos de doctorado, los candidatos deberán demostrar durante el proceso de admisión que poseen un nivel de inglés equivalente al nivel B2 del MCER o superior.
- Un plan de investigación a desarrollar íntegramente durante los estudios de doctorado con el objetivo de realizar la tesis doctoral.
- En TAU, la admisión de alumnos estará abierta todo el año. En UJI, el estudiante tendrá que presentar su solicitud en los meses de julio y septiembre, y la admisión se realizará durante las dos primeras semanas de octubre.

will be studying according to the course program defined in ARTICLE 6 and mobility plan defined in ARTICLE 8. The language of instruction of these programs is in English.

Doctoral candidates admitted to this joint doctoral program will work on research projects defined in A-WEAR project.

ARTICLE 4 – JOINT STUDENT SELECTION AND ADMISSION

§1. Joint admission. Applicants apply to a central submission platform hosted by Universitat Jaume I. To enter the PhD programmes, candidates must have at least a MSc degree in a technical field relevant to A-WEAR, to have a certificate proving their English proficiency and to fulfil EU eligibility criteria.

§2. Joint selection. A-WEAR selection of candidates will be based on a clear, transparent and open-competition recruitment process, taking into account gender balance and equal opportunity rules (Sections 3.2.5, 3.2.9).

The selection criteria are based on excellence and will consider the followings:

- Master's degree or equivalent in the fields of electrical engineering, communications engineering or a closely related field, completed with good grades.
- Candidate CV, list of publications, and society services
- A sufficient proficiency in the English language. In order to be eligible for the joint doctoral education, the candidates must demonstrate during the admission procedure that they meet the English language requirements equal to the CEFRL level B2 or higher.
- A research plan to be implemented throughout whole doctoral study with the goal to prepare the doctoral thesis.
- AT TAU, the student admission is open all-year around. At UJI, the student has to apply during the months of July and September, and the admission is done during the first two weeks of October.

Candidates are sorted from highest to lowest grade by the selection committee per each topic. The recruitment process will be jointly conducted by the A-WEAR Consortium and will involve four main steps:

- The applicants upload their application package to a central submission platform, to be provided by the Consortium and hosted at UJI ; in there, they specify their preferred topics, specifying also their order of preference (each applicant can choose at most 4 topics);
- All candidates for one topic will be graded according to common excellence criteria by a Selection Committee (SC) for that topic, formed by the supervisors allocated to that topic (see Appendix); all A-WEAR Advisory Board (AB) members will add their own comments with respect to each application in the submission platform and the SC will consider the AB comments in the grading process.
- The A-WEAR Management Board (MB) will then cross-check that uniform standards of recruitment have been applied across the project and will pay a special attention to the gender balance by looking at the top selected applicants per each topic. The final selection among the top candidates will be done with the approval of MB, and by taking into account the followings rules: a possible redistribution of candidates per topics can be implemented if some topics have too few top candidates with respect to other topics; this redistribution will be done only with the agreement of the candidates and the units involved in such redistribution; if one candidate is selected by several units, a discussion between the scientists in charge of those units and the candidate will take place in order to find a mutually satisfactory solution.
- In order to ensure the gender balance in A-WEAR research fields which are predominantly male research fields, we will adopt the following rules: i) if two candidates are equal, we will select the female one; ii) we will advertise the positions also on platforms/forums that promote to the participation, contribution and success of women in science, technology, engineering and mathematics (STEM), such as: societyofwomenengineers.swe.org, epws.org, www.wisecampaign.org.uk, www.awis.org, etc.; iii) Career breaks (e.g., maternity and sick leaves) will not be penalized in the recruitment process.



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MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
Nº TIJ 3047**CLASE 8.ª**

Los candidatos serán evaluados por el comité de selección de mejor a peor para cada tema. El proceso de selección se llevará a cabo de manera conjunta por el Consorcio A-WEAR y comprenderá cuatro fases principales:

- Los candidatos presentarán su solicitud en una plataforma central proporcionada por el Consorcio y alojada en UJI. En ella especificarán sus temas preferidos, además de su orden de preferencia (cada candidato podrá elegir hasta cuatro temas como máximo).
- Todos los candidatos para un tema serán evaluados según criterios comunes de selección para ese mismo tema por un Comité de Selección (SC), formado por los supervisores a los que se les haya asignado tal tema (véase el Apéndice). Todos los miembros del Comité Asesor de A-WEAR (AB) agregarán sus propios comentarios con respecto a cada solicitud en la plataforma de solicitudes y el Comité de Selección tendrá en cuenta los comentarios del Comité Asesor en el proceso de evaluación.
- El Consejo de Administración de A-WEAR (MB) verificará posteriormente que se han aplicado de forma uniforme los estándares de selección en el proyecto y prestará especial atención al equilibrio entre los sexos en el grupo de los candidatos preseleccionados para cada tema. La selección definitiva entre los principales candidatos se realizará con el visto bueno del Consejo de Administración y teniendo en cuenta las siguientes reglas: se podrá implementar una posible redistribución de los candidatos por temas si algunos de los temas tienen pocos candidatos preseleccionados con respecto a otros temas; esta redistribución se realizará únicamente con el consentimiento de los candidatos y las unidades implicadas en dicha redistribución; si un candidato es preseleccionado por varias unidades, tendrá lugar una conversación entre los científicos a cargo de esas unidades y el candidato, a fin de encontrar una solución satisfactoria para todas las partes.
- A fin de garantizar el equilibrio entre los sexos en los campos de investigación de A-WEAR, donde predominan los hombres, adoptaremos las siguientes normas: i) si dos candidatos están al mismo nivel, se elegirá a la mujer; ii) se anunciarán las vacantes también en plataformas/foros que promuevan la participación, contribución y éxito de las mujeres en la ciencia, la tecnología, la ingeniería y las matemáticas (STEM), como societyofwomenengineers.swe.org, epws.org, www.wisecampaign.org.uk, www.awis.org, etc.; iii) las interrupciones de la carrera profesional (p. ej., bajas por enfermedad o baja maternal) no estarán penalizadas en el proceso de selección.

Una vez se haya seleccionado a un candidato, la institución de destino asistirá al ESR seleccionado con las formalidades administrativas del país de destino. Los participantes también respetarán la legislación nacional y de la CE.

Los anuncios de vacantes de ESR se realizarán mediante el portal de trabajo Euraxess, la página web de A-WEAR, el portal de trabajo de TAU, las páginas web y los contactos individuales de las instituciones participantes, así como otras listas internacionales de distribución electrónica relevantes (p. ej., air-I, my colleague, rcc). Se entrevistará a los mejores candidatos por videoconferencia o en persona. Las entrevistas en persona, si son necesarias, serán organizadas y sufragadas en su

Once a candidate is selected, the host institution will assist the recruited ESR with their administrative formalities for the host country. Partners will also abide by national and EC legislation.

Advertising ESR vacancies will be done through: the Euraxess Job Portal, the A-WEAR website, TAU job portal, the websites and individual networking contacts of the partner institutions, other relevant international electronic mailing lists (e.g., air-l, my colleagues, rcc). Best candidates will be interviewed via conference calls or in-person. In-person interviews, if needed, are to be organized and fully covered by the beneficiary institution for the particular topic where the candidate applied.

The candidates must fulfil the admission requirements of both universities.

ARTICLE 5 – SUPERVISION OF RESEARCH

To facilitate the supervisory agreements and to ensure a continuous contact point and a synchronized supervisory procedure, each doctoral researcher will have one main academic supervisor from his/her *home university*, and additional academic and industrial supervisors as shown in Annex. The main supervisor is the continuous contact point in all cases, but all the supervisors of a fellow will actively interact with each other and follow the fellow's progress and outcomes.

Additional supervisors or instructors can be nominated at both universities. All supervisors will follow the student's progress through annual review procedures and feedback mechanisms, coordinated by each main supervisor. Weekly meetings and a biannual review meeting with the ESR will be held to evaluate progress. The main supervisor will dedicate at least 10% of her/his full-working time to train the student.

The supervisors should have a doctoral degree and be qualified to supervise doctoral studies according to the university regulations. The main supervisor at TAU must hold the position of a Professor, Associate Professor (tenure track) or Docent (Adjunct Professor). The main supervisor at UJI must hold the position of a Professor, Associate Professor (tenure track) or a Senior Researcher holding a PhD.

ARTICLE 6 – COURSEWORK REQUIREMENTS

The courses offered within A-WEAR network are complementary. The partners agreed on a set of integrated program modules common to all sites (21 ECTS credits, see Table 1) and to additional scientific and transferable skills courses locally (minimum 5 ECTS from complementary skills courses and minimum 9 ECTS from technical courses, locally). In addition, the students enrolled to this joint degree program will be awarded extra 5 ECTS students from their industrial secondments, collecting thus a total of 40 ECTS. According to the Spanish RD99/2011, ECTS will be recognized as hours of doctoral activities. Thus, 1 ECTS will be transformed into 15 hours. To address different students' backgrounds, the students are free to choose specific courses addressing their requirements. All credits acquired at one of the partner universities will be recognized vice-versa. The course program in detail:

Table 1- A-WEAR joint course work

Even	Course program	ECT	Training outcomes	Estimated month
E1	1 week orientation camp and Fall school on "Localization and communication enablers for wearables", including half-day fellow presentations and team building activities. It will include introductions, logistics and team building for the A-WEAR team, technical training on seamless localization and low-energy communications in IoWT, and complementary skills on ethics in research, strategy&business planning and MyData. Planned lecturers from TAU and industry: Lohan (TAU) Nurmi (TAU), Kucheryavy (TAU), Silva (WPS), Costa (Huawei), Wirola (HERE), Torsner (ERI), Skourmetou (Intel), Suomi (DLI), etc.	3	Overview of the training and research; IoWT communication and positioning challenges; harmonization of training methodologies; orientation to PhD studies and ethical behaviour	Oct 2019



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totalidad por la institución beneficiaria en cuanto al tema particular solicitado por el candidato.

Los candidatos deberán cumplir los requisitos de admisión de ambas universidades.

ARTÍCULO 5 - SUPERVISIÓN DE LA INVESTIGACIÓN

Para facilitar los acuerdos de supervisión y garantizar el punto de contacto continuo, así como un proceso de supervisión sincronizado, todos los investigadores de doctorado tendrán un supervisor académico principal de su *universidad de origen*, además de supervisores académicos e industriales adicionales tal y como se indica en el Anexo. El supervisor principal será el punto de contacto continuo en todos los casos, pero el resto de supervisores interactuarán activamente entre ellos y seguirán los progresos y resultados del investigador.

Podrán designarse supervisores o instructores adicionales en ambas universidades. Todos los supervisores seguirán el progreso del alumno mediante revisiones anuales y mecanismos de valoración coordinados por los supervisores principales. Se celebrarán reuniones semanales y una revisión semestral con el ESR para evaluar su progreso. El supervisor principal dedicará al menos el 10% de su horario laboral a formar al estudiante.

Los supervisores deberán estar en posesión de un título de doctorado y cualificados para supervisar estudios de doctorado, de conformidad con el reglamento universitario. El supervisor principal de TAU deberá ocupar el cargo de Catedrático, Profesor Titular (con contrato permanente) o Docente (Profesor Adjunto). El supervisor principal de UJI deberá ocupar el cargo de Catedrático, Profesor Titular (con contrato permanente) o Investigador Sénior en posesión de un título de doctorado.

ARTÍCULO 6 - REQUISITOS DEL CURSO

Los cursos ofrecidos en la red A-WEAR son complementarios. Los participantes acuerdan un conjunto de módulos integrados comunes a todas las localizaciones (21 créditos ECTS, ver Tabla 1) y cursos científicos y de competencias transferibles complementarios a nivel local (un mínimo de 5 créditos ECTS para los cursos de competencias complementarias y un mínimo de 9 créditos ECTS para los cursos técnicos, todo ello a nivel local). Además, los estudiantes matriculados en este programa conjunto de doctorado recibirán 5 créditos ECTS extra de su comisión de servicios de tipo industrial, llegando a sumar un total de 40 créditos ECTS. Según el Real Decreto 99/2011, los créditos ECTS se reconocerán como horas de actividades de doctorado. Así, 1 crédito ECTS se traducirá en 15 horas. Teniendo en cuenta las diferentes procedencias de los estudiantes, éstos tendrán libertad para elegir cursos específicos según sus necesidades. Todos los créditos obtenidos en una de las universidades participantes serán reconocidos en la otra y viceversa. A continuación se detalla el programa del curso:

Tabla 1 - Trabajo conjunto del curso de A-WEAR

E2	Half-day A-WEAR workshop at AGILE 2020 conference on wearables in smart cities	1	Presentation, networking and communication skills	May 2020
E3	4-day summer school on "Machine Learning, Spatial analysis, and cybersecurity in wearables", including half-day fellow presentations and team building. Topics: machine learning, AI, cryptography and cybersecurity, web and context-aware systems, public safety; complementary skills on multi-cultural business communication and leadership. Planned lecturers from UJI and industry: Huerta (UJI), Gould (UJI), Juan (S2G), Carque (CPD), etc.	4	Machine learning and AI techniques; cybersecurity and cryptography methods; public safety; business and leadership	June 2020
E4	4 days, Winter school on "Consumer and healthcare applications of wearables", including half-day fellow presentations and team building activities. Topics: Ambient Assisted Living (AAL) challenges, eHealth platforms, mesh sensor networks, localization via miniaturized devices; complementary success stories of female leaders and from research idea to start-ups. Planned lecturers from UPB and industry: Marghescu (UPB), Niculescu (UPB), Popescu (UPB), Cramariuc (CIT), Suci (BEIA), Pavel (NXP), etc.	3	Wearables usage in AAL and eHealth; platforms requirements for consumer and eHealth applications; how to build a successful start-up	Sep 2020
E5	Half-day A-WEAR workshop at ICUMT 2020 conference on green communication and networking with wearables		Presentation, networking and communication skills	Oct 2020
E6	Joint virtual research seminar via Moodle2 and Echo tools covering edge and fog computing, physical layer parameter optimization and MAC protocols in wearables, and wearable applications and services. Lectures: all academic scientists-in-charge of A-WEAR.	3	7-layer OSI model of wearables: from physical layer to application layer – challenges and solutions	Dec 2020
E7	4-day summer school on "Critical Industrial Applications in 5G-Internet of Things (IoT) Ecosystem", including half-day fellow presentations and team building activities. Technical topics: privacy, precise indoor positioning for industrial applications, low-latency communication architectures. Complementary skills: legal aspects of security and privacy protection and from idea to commercial product. Planned lecturers from academy and industry: Hosek (BUT), Misurec (BUT), Simek (SWO), Sedlacek (Greycortex), Polcak (Masaryk university), Uhlir (South-Moravian Innovation Centre), Pus (NET), etc.	3	5G and mmWave architectures; privacy laws and digital privacy solutions; IPR protection.	May 2021
E8	Half-day A-WEAR workshop at ICL-GNSS 2021 conference on Location Based Services through wearables	1	Presentation, networking and communication skills	Jun 2021
E9	Half-day A-WEAR workshop 2 at IPIN 2021 conference on indoor location privacy of wearables	1	Presentation, networking and communication skills	Sep 2021
E10	2.5-day workshop, including one-day fellow presentations and team building activities and complementary skills training on languages, communications, business, fundraising, entrepreneurship skills & success stories. Planned lecturers: Iera (URC), Molinaro (URC), Lener (T6E), Himanen (DLI), etc.	1	Fundraising and entrepreneurship skills for a successful career	Nov 2021
E11	2.5-day workshop, including one-day fellow presentations and team building activities and complementary skills training on multi-cultural environments, R&D project management & legal aspects and IPR. Planned lecturers: Langwaldt (TAU), Kiviniemi (TAU), Bhuiyan (FGI), Burian (uBlox), etc.	1	Project management cycle	May 2022
Total		21		



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Evento	Programa del curso	ECT	Resultados formativos	Mes estimado
E1	Campamento de orientación y escuela de otoño de una semana de duración sobre «Activadores de comunicación y localización para dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Incluirá presentaciones, logística y actividades de creación de equipo del equipo de A-WEAR, formación técnica sobre localización continua y comunicación a baja energía en loWT y habilidades complementarias sobre ética en la investigación, planificación estratégica y de negocios y MyData. Docentes esperados de TAU y de la industria: Lohan (TAU) Nurmi (TAU), Kucheryavy (TAU), Silva (WPS), Costa (Huawei), Wirola (HERE), Torsner (ERI), Skournetou (Intel), Suomi (DLI), etc.	3	Generalidades sobre formación e investigación; desafíos de comunicación y posicionamiento loWT; armonización de las metodologías de formación; orientación hacia estudios de doctorado y comportamientos éticos.	Octubre 2019
E2	Taller A-WEAR de medio día en la conferencia AGILE 2020 sobre dispositivos <i>wearables</i> en las ciudades inteligentes.	1	Habilidades de presentación, networking y comunicación.	Mayo 2020
E3	Escuela de verano de cuatro días sobre «Aprendizaje automático, análisis espacial y ciberseguridad en los dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas: aprendizaje automático, IA, criptografía y ciberseguridad, sistemas web y conocedores del contexto, seguridad pública; habilidades complementarias sobre comunicación empresarial multicultural y liderazgo. Docentes esperados de UJI y de la industria: Huerta (UJI), Gould (UJI), Juan (S2G), Carque (CPD), etc.	4	Técnicas de aprendizaje automático e IA; métodos de criptografía y ciberseguridad; seguridad pública; negocios y liderazgo.	Junio 2020
E4	Escuela de invierno de cuatro días sobre «Aplicaciones para consumidores y salud de dispositivos <i>wearables</i> », incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas: desafíos de las residencias asistidas (AAL), plataformas electrónicas de salud, redes de sensores de malla, localización mediante dispositivos en miniatura; historias de éxito complementarias de líderes femeninas desde ideas de investigación hasta las <i>start-ups</i> . Docentes esperados de UPB y de la industria: Marghescu (UPB),	3	Uso de dispositivos <i>wearables</i> en residencias asistidas (AAL) y salud electrónica; requisitos de las plataformas de las aplicaciones para consumidores y de salud electrónica; cómo crear una <i>start-up</i> de éxito.	Sept. 2020

ARTICLE 7 - PERIOD OF CANDIDATURE

A full-time student is expected to complete the requirements of the doctoral education in three (3) years. If the student requires more time he/she must seek approval from both universities. Details regulating the mobility to the host university are found in ARTICLE 8.

Students selected to the joint degree doctoral education shall be provided with a necessary workspace, research equipment etc. at both universities and the hosting university shall assist in locating suitable accommodation.

ARTICLE 8 – MOBILITY

Students selected to the joint degree doctoral education will have a mandatory research mobility of 6 months at the host university and 3 month cross-sector secondment. Next to the above-mentioned minimum research mobility period and the meetings and seasonal schools of A-WEAR network (from Table 1), the doctoral candidate, for specific scientific needs (e.g. to attend PhD courses, workshops and conferences), may visit other Universities, Research Institutions, Companies, or other Professional Organisations, even if they are not part of the A-WEAR Consortium. Additional research visits longer than one month must be proposed by his/her supervisors and approved by the A-WEAR Management Board.

ARTICLE 9 – PRE-EXAMINATION OF DOCTORAL THESIS

The thesis manuscript has to pass the preliminary examination in both universities before entering to an oral examination (called dissertation). The committee for the preliminary examination (whose members are called pre-examiners) will be composed by 2 members, both of them from outside TAU or UJI and both of them having a doctoral degree. The pre-examiners must be approved by TAU and UJI.

Permission to publish the thesis as an academic dissertation will be granted only after passing the preliminary examination. The oral examination cannot take place before that. Both TAU and UJI will consult each other before nominating any necessary organs for preliminary examination or before giving a permission to publish the thesis.

ARTICLE 10 – DOCTORAL THESIS AND FINAL EXAMINATION (DISSERTATION)

The doctoral thesis is expected to contain research material of relevance, superior to that attainable by work performed within a single PhD program. The doctoral thesis will be written in English. The thesis can be written either as a monograph or as a compound (i.e. compilation of several scientific publications and a summary including also a literature review).

The committee for the thesis dissertation will be composed of three members, all of them from outside TAU and at most one from UJI. All members of the dissertation committee must hold a doctoral degree and have a well-reputed scientific career. The agreed committee for thesis dissertation will be nominated by the two universities in compliance with their regulations. Both main supervisors should attend the public thesis dissertation. It is recommended to offer the host university, including the main supervisor from that university, the opportunity to participate in the public defence via video conference.

The dissertation of the thesis will be held at the home university and in the English language. Thereby, the respective local regulations will be applied:

- TAU: The candidate must keep first a Lectio Praecursoria of about 20 minutes. The members of the Dissertation committee (called Opponents) are then raising as many questions as necessary to clarify the different aspects of the doctoral work. The total time of Dissertation cannot exceed 6 hours.
- UJI: The candidate must defend his/her doctoral work in about 45 minutes. Following, the committee will raise as many questions as necessary to clarify the different aspects of the doctoral work



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	Niculescu (UPB), Popescu (UPB), Cramariue (CIT), Suciu (BEIA), Pavel (NXP), etc.			
E5	Taller A-WEAR de medio día en la conferencia ICUMT 2020 sobre comunicación verde y networking con dispositivos <i>wearables</i> .		Habilidades de presentación, networking y comunicación.	Octubre 2020
E6	Seminario virtual de investigación conjunta mediante herramientas Moodle2 y Echo sobre <i>edge</i> y <i>fog computing</i> , optimización de parámetros de capas físicas y protocolos MAC en dispositivos <i>wearables</i> , así como aplicaciones y servicios para dispositivos <i>wearables</i> . Docentes: todos los científicos académicos a cargo de A-WEAR.	3	Modelo OSI de 7 capas de dispositivos <i>wearables</i> : desde la capa física a la capa de aplicación - desafíos y soluciones.	Dic. 2020
E7	Escuela de verano de cuatro días sobre «Aplicaciones industriales críticas en el Ecosistema 5G del Internet de las Cosas (IoT)», incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo. Temas técnicos: privacidad, posicionamiento preciso en interiores para aplicaciones industriales, arquitecturas de comunicación de baja latencia. Habilidades complementarias: aspectos legales de la protección de la seguridad y la privacidad y desde la idea al producto comercial. Docentes esperados de la academia y de la industria: Hosek (BUT), Misurec (BUT), Simek (SWO), Sedlacek (Greycortex), Polcak (Universidad de Masaryk), Uhler (Centro de Innovación de Moravia del Sur), Pus (NET), etc.	3	Arquitecturas 5G y mmWave; legislación sobre privacidad y soluciones digitales para la privacidad; protección de los derechos de propiedad internacional.	Mayo 2021
E8	Taller A-WEAR de medio día en la conferencia ICL-GNSS 2021 sobre servicios basados en la ubicación mediante dispositivos <i>wearables</i> .	1	Habilidades de presentación, networking y comunicación.	Junio 2021
E9	Segundo taller A-WEAR de medio día en la conferencia IPIN 2021 sobre la privacidad de ubicaciones en interiores de los dispositivos <i>wearables</i> .	1	Habilidades de presentación, networking y comunicación.	Sept. 2021
E10	Taller de dos días y medio, incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo, así como formación en habilidades complementarias de idiomas, comunicaciones, negocios, recaudación de fondos, habilidades de emprendimiento e historias de éxito. Docentes esperados: Iera	1	Habilidades de recaudación de fondos y emprendimiento para una carrera de éxito.	Nov. 2021

ARTICLE 11- AWARDED DEGREE TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS**Nº TIJ 3047**

§1. The Partner Institutions aims at delivering a completely joint doctoral degree and diploma, fully recognized and accredited in the Countries of the Partner Institutions (Finland and Spain) and will do all that is possible to achieve this objective. The joint diploma will be printed by TAU.

§2. In case the delivery of a joint degree is not yet possible when the doctoral candidate will complete his/her doctoral activities, a double degree will be delivered by the two Partner Institutions where the candidate is registered according to his mobility path. The results of the thesis will be recognized by the two institutions. TAU offers either Doctor of Science (Technology) - DSc (Tech) - or Doctor of Philosophy – PhD - degree depending the educational background of the candidate. Both degrees are equal in contents and requirements. The DSc (Tech)/PhD education at TAU refers to a minimum of 40 ECTS of graduate work beyond the master's degree and a thorough research work leading to innovative results and several peer-reviewed publications. The PhD student must attain status as a doctoral candidate by satisfying the TAU specific degree requirements in the student's field. The student must prepare a doctoral dissertation, get it pre-approved by two external pre-examiners, chosen in accordance to TAU regulations, and successfully defend the Dissertation before a Dissertation Committee formed by at least one external evaluator.

§3. A "Diploma Supplement", as defined by current European regulations, describing all education/research/training activities and the mobility path of the individual student, will be issued along with the final degree.

ARTICLE 12 - FINANCIAL MATTERS**§1. Tuition fees**

At UJI, there is a tuition fee generally applied to PhD students. For the joint degree PhD students from TAU covered by this agreement, UJI agrees to waive the tuition fee.

TAU does not have any tuition fees for doctoral students. At TAU, a Student Union membership fee is voluntary for the doctoral candidates.

Costs related to the conducting of research at the universities will be covered by A-WEAR project grant.

§2. Fees related to the Dissertation

The home university will cover the Dissertation fees and any fees related to the two members of the Dissertation committee which are not from TAU or UJI and the fees related to the home university member participating in the Dissertation committee, according to the university rules. The host university will cover the fees of its members participating in the Dissertation committee.

**ARTICLE 13 - CONTINUATION, WITHDRAWAL,
TERMINATION OF CANDIDATURE**

Students of the joint degree doctoral education are required to follow the rules and regulations of both TAU and UJI for doctoral candidates, including the conditions for continuation, withdrawal and termination of doctoral studies. If a student wishes to leave the joint degree doctoral education he/she will be free to pursue a regular degree at either university, provided that the existing regulations permit it.

ARTICLE 14 - USE OF INTELLECTUAL PROPERTY

Doctoral candidates own the copyright to their dissertation and the dissertation is public. When the doctoral candidate is the sole author of the doctoral degree thesis, he/she alone has the copyright to the work. If the



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	(URC), Molinaro (URC), Lener (T6E), Himanen (DLI), etc.			
E11	Taller de dos días y medio, incluyendo presentaciones de los compañeros de medio día y actividades de trabajo en equipo, así como formación en habilidades complementarias sobre entornos multiculturales, gestión de proyectos de I+D, aspectos legales y protección de los derechos de propiedad internacional. Docentes esperados: Langwaldt (TAU), Kiviniemi (TAU), Bhuiyan (FGI), Burian (uBlox), etc.	1	Ciclo de gestión de proyectos	Mayo 2022
Total		21		

ARTÍCULO 7 - PERÍODO DE CANDIDATURA

Los estudiantes a tiempo completo deberán haber satisfecho los requisitos para la obtención del título de doctorado en un periodo de tres (3) años. Si el alumno requiere más tiempo, deberá conseguir el visto bueno de ambas universidades. Los detalles sobre el traslado hacia la universidad de destino pueden consultarse en el ARTÍCULO 8.

A los estudiantes seleccionados para los estudios conjuntos de doctorado se les proporcionará un espacio de trabajo adecuado, equipos de investigación, etc. en ambas universidades y la universidad de destino le ayudará a encontrar un alojamiento apropiado.

ARTÍCULO 8 - MOVILIDAD

Los estudiantes seleccionados para los estudios conjuntos de doctorado deberán pasar, de forma obligatoria, seis meses como investigadores en la universidad de destino y tres meses en comisión de servicios multisectorial. Tras haber completado el período mínimo de movilidad para la investigación indicado anteriormente, y tras las reuniones y escuelas formativas estacionales de la red A-WEAR (ver la Tabla 1), el candidato a doctor podrá visitar otras universidades, institutos de investigación, empresas u otras organizaciones profesionales debido a necesidades científicas específicas (p. ej., para asistir a cursos de doctorado, talleres y conferencias), aunque no formen parte del Consorcio A-WEAR. Sus supervisores propondrán cualesquiera visitas de investigación adicionales de duración superior a un mes, las cuales deberán estar autorizadas por el Consejo de Administración de A-WEAR.

ARTÍCULO 9 - EVALUACIÓN PREVIA DE LA TESIS DOCTORAL

El manuscrito de la tesis deberá superar una evaluación previa en ambas universidades antes de su presentación oral (defensa de la tesis). El tribunal de evaluación preliminar (cuyos miembros son llamados examinadores preliminares) estará formado por dos miembros, ambos ajenos a TAU y UJI, y ambos en posesión de un título de doctorado. Los examinadores preliminares deberán estar autorizados por TAU y UJI.

doctoral degree thesis consists of a collection of articles and a summary, the doctoral candidate has the copyright to those parts that are the results of his/her independent effort.

Both institutions shall have the non-exclusive right for a non-commercial use of the thesis and the results in their education, training and research. This right is perpetual and free of any charge.

If the doctoral student participates in an externally funded research project in which he/she shall transfer intellectual property rights to the university/universities, a separate written agreement shall be negotiated between the relevant parties.

ARTICLE 15 – PERSONAL DATA PROTECTION POLICY

The personal data will be processed in compliance with applicable EU and national law on data protection (including authorisations or notification requirements) and according to the project Grant Agreement number 813278 — A-WEAR — H2020-MSCA-ITN-2018.

ARTICLE 16 - SPECIAL SITUATIONS

Any disputes arising from the interpretation of this Cooperation Agreement shall be resolved jointly by and between respective faculties at TAU and UJI. In the event of non-resolution, the first step is mediation by the President of TAU and the Rector of UJI and the second step is to refer the dispute to arbitration under the Rules of Arbitration of the International Chamber of Commerce by one arbitrator appointed in accordance with said Rules. The place of arbitration shall be the city of registered office of the home university. The language of the arbitration shall be English. This Agreement shall be construed in accordance with, and governed by, the national law of the home university, excluding its conflict of law provisions.

ARTICLE 17 - EFFECTIVE DATE AND TERMINATION

This Cooperative Agreement will become effective upon signing and shall remain in effect for 4 years after the date of the last signature and will be automatically renewed for 2 more years after finalization of the first 4 years period. Modifications to this Cooperative Agreement may be made by mutual agreement duly signed by an authorized representative of each Party.

ARTICLE 17 – LIABILITY

Liability rules are governed by the liability rules set in the A-WEAR Consortium Agreement.

This Agreement has been signed in two originals in English, of which each institution has taken one.



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El permiso para la publicación de la tesis como tesis doctoral académica se concederá únicamente tras haber superado la evaluación previa. El examen oral no podrá celebrarse antes de ello. Tanto TAU como UJI se consultarán mutuamente antes de nombrar los órganos necesarios para la evaluación preliminar o antes de dar permiso para la publicación de la tesis.

ARTÍCULO 10 - TESIS DOCTORAL Y EXAMEN FINAL (DEFENSA DE LA TESIS)

La tesis doctoral deberá contener material de investigación relevante, superior al alcanzable mediante el trabajo en un programa de doctorado independiente. La tesis doctoral estará redactada en idioma inglés. La tesis podrá escribirse como monografía o como compilación (es decir, la compilación de diversas publicaciones científicas y un resumen que incluya también una Revisión literaria).

El tribunal para la defensa de la tesis estará compuesto por tres miembros, todos ellos ajenos a TAU y como máximo uno de UJI. Todos los miembros del tribunal deberán estar en posesión de un título de doctorado y tener una carrera científica reputada. El tribunal para la defensa de la tesis será nombrado por las dos universidades de conformidad con sus respectivos reglamentos. Ambos supervisores principales deberán asistir a la defensa de la tesis. Se recomienda ofrecer a la universidad de destino, incluyendo al supervisor principal de esa universidad, la oportunidad de participar en la defensa de la tesis por videoconferencia.

La defensa de la tesis se celebrará en la universidad de origen y en lengua inglesa. Por tanto, se aplicarán los respectivos reglamentos de cada universidad:

- TAU: El candidato deberá realizar primeramente una *Lectio Praecursoria* [lectura preliminar] durante unos veinte minutos. Los miembros del tribunal de defensa de la tesis (llamados oponentes), le formularán tantas preguntas como consideren necesarias para aclarar los distintos aspectos de su trabajo. El tiempo total de la defensa de la tesis no superará las seis horas.
- UJI: El candidato deberá defender su tesis doctoral en unos cuarenta y cinco minutos. Después, el tribunal le formulará cuantas preguntas sean necesarias para aclarar los distintos aspectos de su trabajo.

ARTÍCULO 11 - OTORGAMIENTO DEL TÍTULO

1. Las instituciones participantes tendrán el objetivo de proporcionar la titulación y el título de doctorado de manera totalmente conjunta, con pleno reconocimiento y validez en los países de las instituciones participantes (Finlandia y España), y harán todo lo posible para alcanzar dicho objetivo. El diploma conjunto será impreso por TAU.

2. En caso de que no fuese todavía posible otorgar un título conjunto cuando el candidato a doctor haya completado su formación, las dos instituciones participantes en las que el candidato esté inscrito conforme su plan de movilidad, entregarán la doble titulación. Las calificaciones de la tesis estarán reconocidas por ambas instituciones. TAU ofrece ambos, el título de Doctor en Ciencia (Tecnología) - DSc (Tech) – y el de Doctor en Filosofía - PhD - dependiendo de la trayectoria formativa del candidato. Ambos títulos son iguales en contenidos y requisitos. El título de DSc (Tech)/PhD en TAU se refiere a un mínimo de cuarenta créditos ECTS de trabajo académico subsecuente a los estudios de máster y tras un exhaustivo trabajo de investigación conducente a resultados innovadores y diversas publicaciones revisadas por colegas profesionales. El estudiante de doctorado obtendrá el estatus de candidato a doctor

12 NOV 2019

Signing the Cooperative Agreement for Universitat Jaume I**MARÍA MARTÍNEZ BALAGUER**

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Nº TIJ 3047

Title of the authorised representative:

Rector

Name of the authorised representative:

Prof. Eva Alcón Soler

Date:

Signature:

Title of the authorised representative:

Director of School of Doctorate

Name of the authorised representative:

Prof. Merce Correa Sanz

Date:

6/5/2019

Signature:

Signing the Cooperative Agreement for Tampere University of Technology

Title of the authorised representative:

President

Name of the authorised representative:

Mari Walls

Date:

11.6.2019

Signature:

Title of the authorised representative:

Dean

Name of the authorised representative:

Prof. Jyrki Vuorinen

Date:

7.6.2019

Signature:

Jyrki Vuorinen
Dean



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MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

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cuando satisfaga los requisitos específicos de TAU en su campo de estudio. El estudiante deberá preparar la defensa de la tesis, conseguir su aprobación previa por parte de dos examinadores preliminares externos elegidos de conformidad con el reglamento de TAU y defenderla con éxito ante un Tribunal formado por, al menos, un examinador externo.

3. Junto al título definitivo, se emitirá un «suplemento al título», tal y como se define en la legislación europea vigente, donde se describirán todas las actividades educativas, de investigación y formativas, así como el plan de movilidad del estudiante.

ARTÍCULO 12 - ASPECTOS FINANCIEROS

1. Tasas de matrícula

En UJI existen tasas de matrícula que se aplican de forma general a todos los estudiantes de doctorado. UJI eximirá del pago de dichas tasas a los estudiantes de doctorado conjunto de TAU amparados por este acuerdo.

TAU no aplica tasas de matrícula a los estudiantes de doctorado. En TAU, la tasa de inscripción en el Sindicato de Alumnos es voluntaria para los candidatos a doctor.

Los costes relativos a la realización de investigaciones en ambas universidades estarán cubiertos por la subvención del proyecto A-WEAR.

2. Tasas relativas a la defensa de la tesis

La universidad de origen sufragará las tasas relativas a la defensa de la tesis y cualesquiera otros honorarios respecto de los dos miembros del Tribunal que no pertenecen a TAU ni a UJI, así como los honorarios relativos al miembro de la universidad de origen que forme parte del Tribunal, según lo estipulado en el reglamento de la universidad. La universidad de destino sufragará los honorarios de sus propios miembros que formen parte del Tribunal.

ARTÍCULO 13 - CONTINUACIÓN, RETIRADA Y FINALIZACIÓN DE LA CANDIDATURA

Los alumnos de los estudios conjuntos de doctorado deberán cumplir las normas y los reglamentos tanto de TAU como de UJI aplicables, incluyendo las condiciones de continuación, retirada y finalización de los estudios de doctorado. Si un estudiante deseara dejar unos estudios conjuntos de doctorado, tendrá libertad para matricularse en cualesquiera otros estudios en cualquiera de las universidades, siempre y cuando el reglamento vigente así lo permita.

ARTÍCULO 14 - USO DE LA PROPIEDAD INTELECTUAL

Los candidatos a doctor poseerán los derechos de autor de su tesis doctoral y ésta será pública. Cuando el candidato a doctor sea el único autor de la tesis doctoral, será el único titular de los derechos de autor de dicho trabajo. Si la tesis doctoral consiste en una compilación de artículos y un resumen, el candidato a doctor tendrá los derechos de autor sobre las partes que sean el resultado de su trabajo individual.

ANNEX: PROJECT-SPECIFIC INFORMATION

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TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Three of the A-WEAR recruited fellows (denoted in the A-WEAR Grant Agreement by ESR2, ESR5, and ESR6) will register to this joint degree program. The specifics of their projects are given below

ESR2

Project Title and Work Package: Large-scale crowdsourcing-based wearables data gathering and processing,	
Objectives: • Create novel robust approaches for location databases storage, compression and transfer of wearables-based crowdsensed data; • Detect outliers and model statistically spurious interferences in crowdsourcing-based wearables data; • Study the vulnerabilities of crowdsourced wearables data for public safety and methods to increase the safety; • Increase crowdsensing efficiency in terms of data storage and transfer data rates by 40%	
Expected Results: Robust approaches for location-related databases storage, compression and transfer of large-scale wearables-based data; urban planning enhancements through adequate crowdsourcing mechanisms	
Planned secondment(s): 1. UJI, 6 months starting M25 to collect and analyse statistically crowdsourced data with UJI SW and to attend lectures at UJI. 2. IDOM, 3 months starting M37; work on urban planning enhancements through crowdsourcing	
Joint PhD degree from: TAU and UJI	Supervisory team: Prof. Nurmi (TAU), Assoc. Prof. Lohan (TAU), Prof. Huerta (UJI), industrial mentors Alarcon (IDOM), Stosic (IDOM)

ESR5

Project Title and Work Package: Cloud Platform for context-adaptive positioning and localization on wearable devices	
Objectives: • Identify and analyse the target GNSS-denied scenarios for localization using wearable devices.; • Extract scenario features for its classification; • Study the deep learning techniques for positioning context identification; • Define the protocols for storing data, needed to positioning, to enhance positioning interoperability and for developing the indoor positioning systems in the cloud platform	
Expected Results: i) An open platform that enhances the interoperability between devices and localization algorithms with high degree of diversity (technologies and methodologies), considering the privacy and security restrictions; ii) A common framework to ensure the usage of standards for localization (e.g. IndoorGML and ISO 18305) and a comprehensive evaluation of proposed/implemented methods within the platform; iii) Advanced methods to allow the platform decide/suggest which indoor positioning methods and technologies are appropriate for a particular indoor environment by means of machine learning methods	
Planned secondment(s): 1.TAU: 6 cumulative months, starting M25, work on deep learning techniques in wireless positioning and attending TAU postgraduate relevant courses; 2. GrupoS2, 3 months, starting M31 for work on security protocols	
Joint PhD degree from: UJI and TAU	Supervisory team: Prof. Huerta (UJI), Dr. Torres-Sospedra (UJI), Prof. Nurmi (TAU), Prof. Koucheryavy (TAU), industrial mentors: Beyer(S2G) and Villalon-Huerta (S2G).

ESR6

Project Title and Work Package: Collaborative techniques for infrastructure-less Indoor Positioning Systems	
Objectives: • Test and experiment with various fingerprinting technologies (WIFI, magnetic field) and peer-to-peer communication protocols, with respect to range, battery power, data security, privacy, etc; • Develop a baseline collaborative indoor positioning system using the selected technologies; • Experiment the developed collaborative indoor positioning system, and to compare them to existing non-collaborative algorithms along different dimensions (e.g., accuracy, battery drainage); • Ensure anonymous collaboration and to avoid location leakage	
Expected Results: A collaborative positioning system that exploits a set of measurements through peer-to-peer communication with nearby users instead of using the prone-to-error single measure approach; A proof-of-concept for infrastructure-less indoor positioning with validation in an industrial environment	
Planned secondment(s): 1) TAU, 6 cumulative months, starting M32, to compare collaborative with non-collaborative techniques and collect ECTS needed for PhD. 2)WPS: 3 months, starting M38, to implement a proof of concept for collaborative infrastructure-less positioning with mesh networks	
Joint PhD degree from: UJI and TAU	Supervisory team: Dr. Casteleyn (UJI), Prof. Huerta (UJI), Assoc. Prof. Lohan (TAU), Prof. Nurmi (TAU), industrial mentor: Dr Curticepean (WPS).



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Ambas instituciones tendrán derecho no exclusivo sobre el uso no comercial de la tesis y sus resultados en sus actividades educativas, de formación e investigación. Este derecho es gratuito y a perpetuidad.

Si el estudiante de doctorado participa en un proyecto de investigación financiado de manera externa en el que ceda derechos de propiedad intelectual a la universidad/las universidades, se negociará un acuerdo redactado por separado entre las partes implicadas.

ARTÍCULO 15 - POLÍTICA DE PROTECCIÓN DE DATOS PERSONALES

Los datos personales se tratarán de conformidad con lo estipulado en la legislación nacional y de la UE sobre protección de datos (incluyendo los requisitos de autorización o de notificación) y según el Acuerdo de Subvención del proyecto número 813278 — A-WEAR — H2020-MSCA-ITN-2018.

ARTÍCULO 16 - SITUACIONES ESPECIALES

Cualesquiera conflictos surgidos por la interpretación de este Acuerdo de Cooperación serán resueltos conjuntamente por las respectivas autoridades en TAU y UJI. En caso de no resolverse, el primer paso será la mediación por parte del Presidente de TAU y el Rector de UJI, y el segundo paso será someter el conflicto al laudo arbitral según las Reglas de Arbitraje de la Cámara de Comercio Internacional por un árbitro nombrado de conformidad con dicho Reglamento. El lugar del arbitraje será la ciudad de la sede de la universidad de origen. El idioma del arbitraje será el inglés. Este Acuerdo se interpretará conforme a las estipulaciones de la legislación nacional de la universidad de origen y estará regido por ella, excluyendo sus disposiciones sobre conflicto de leyes.

ARTÍCULO 17 - FECHA DE EFECTO Y DE RESCISIÓN

Este Acuerdo de Cooperación surtirá efecto a partir de la fecha de la firma y tendrá validez durante cuatro años tras la fecha de la última firma. Se renovará automáticamente por dos años más tras la finalización del primer período de cuatro años. Podrán realizarse modificaciones a este Acuerdo de Cooperación de mutuo acuerdo, siempre que queden debidamente firmadas por un representante autorizado de cada Parte.

ARTÍCULO 18 - RESPONSABILIDAD

Las normas sobre responsabilidad se regirán por el reglamento sobre responsabilidad en el Acuerdo de Consorcio A-WEAR.

El presente Acuerdo se firma por duplicado en dos originales redactados en lengua inglesa, y cada una de las instituciones participantes recibe uno de ellos.



Amplas instituciones también deberán no excluir el uso no comercial de la tesis y sus resultados en sus actividades educativas, de promoción e investigación. Este derecho es gratuito y a perpetuidad.

Si el estudiante de doctorado participa en un proyecto de investigación financiado de manera externa en el que exista derecho de propiedad intelectual a la universidad, se negociará un acuerdo escrito que especifique entre las partes implicadas.

ARTÍCULO 15 - POLÍTICA DE PROTECCIÓN DE DATOS PERSONALES

Los datos personales se recogen y se conservan de conformidad con la legislación nacional y de la UE sobre protección de datos (incluyendo los requisitos de autorización de notificación) y según el Acuerdo de Subvención del proyecto número 813278 - A-WEAR - H2020-MSCA-10101931.

ARTÍCULO 16 - SITUACIONES ESPECIALES

Cualquiera conflicto surgido por la interpretación de este Acuerdo de Cooperación serán resueltos conjuntamente por las respectivas autoridades en TAU y UJI. En caso de no resolverse, el conflicto será resuelto por el Comité de Arbitraje de TAU y UJI. El segundo punto de este artículo se refiere al conflicto al laudo arbitral según las Reglas de Arbitraje de la Cámara de Comercio Internacional por un árbitro nombrado de conformidad con dicho Reglamento. El lugar del arbitraje será la ciudad de la sede de la universidad de origen. El idioma del arbitraje será el inglés. Este Acuerdo se interpretará conforme a las estipulaciones de la legislación nacional de la universidad de origen y estará regido por ella, excluyendo sus disposiciones sobre conflicto de leyes.

ARTÍCULO 17 - FECHA DE EFECTO Y DE RESCISIÓN

Este Acuerdo de Cooperación surtirá efecto a partir de la fecha de la firma y tendrá validez durante cuatro años tras la fecha de la firma final. Se renovará automáticamente por dos años más tras la finalización del primer periodo de cuatro años. Podrán realizarse modificaciones a este Acuerdo de Cooperación de mutuo acuerdo, siempre que queden debidamente firmadas por un representante autorizado de cada Parte.

ARTÍCULO 18 - RESPONSABILIDAD

Las normas sobre responsabilidad se regirán por el Reglamento sobre responsabilidad en el Acuerdo de Consorcio A-WEAR.

El presente Acuerdo se firma por duplicado en dos originales redactados en inglés, y cada una de las instituciones participantes recibe uno de ellos.



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Firmas para el Acuerdo de Cooperación de Universitat Jaume I

Título del representante autorizado:	Rectora
Nombre del representante autorizado:	Prof. Eva Alcón Soler
Fecha:	Firma: [Firma ilegible y sello:] UNIVERSITAT JAUME I.- RECTORAT
Título del representante autorizado:	Directora de la Escuela de Doctorado
Nombre del representante autorizado:	Prof. Mercè Correa Sanz
Fecha: 06/05/2019	Firma: [Firma ilegible y sello:] ESCOLA DE DOCTORAT.- UNIVERSITAT JAUME I

Firmas para el Acuerdo de Cooperación de Tampere University of Technology

Título del representante autorizado:	Presidenta
Nombre del representante autorizado:	Mari Walls
Fecha: 11/06/2019	Firma: [Firma ilegible]
Título del representante autorizado:	Decano
Nombre del representante autorizado:	Prof. Jyrki Vuorinen
Fecha: 07/06/2019	Firma: [Firma ilegible y sello:] Jyrki Vuorinen.- Decano



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CLASE 8.ª

ANEXO: INFORMACIÓN ESPECÍFICA DEL PROYECTO

Tres de los candidatos seleccionados por A-WEAR (denominados en el Acuerdo de Subvención de A-WEAR como ESR2, ESR5 y ESR6) se matricularán en este plan de estudios conjunto. A continuación se incluye información específica sobre sus proyectos.

ESR2

Título del proyecto y paquete de trabajo: Recolección y procesamiento de datos mediante <i>wearables</i> basados en la externalización abierta de tareas (crowdsourcing) a gran escala.	
Objetivos: Crear enfoques novedosos y consistentes para el almacenamiento de bases de datos de ubicación, la compresión y la transmisión de datos de dispositivos <i>wearables</i> basados en la externalización abierta de tareas. Detectar los casos atípicos y las interferencias estadísticamente espurias del modelo de datos de dispositivos <i>wearables</i> basados en la externalización abierta de tareas. Estudiar los puntos débiles de los datos de dispositivos <i>wearables</i> basados en la externalización abierta de tareas para la seguridad pública y métodos para aumentar la seguridad. Aumentar la eficiencia de la externalización abierta de tareas en términos de almacenamiento de datos y tasas de transmisión de datos en un 40%.	
Resultados esperados: Enfoques consistentes para el almacenamiento de bases de datos de ubicación, la compresión y la transmisión de datos de dispositivos <i>wearables</i> a gran escala; mejoras de la planificación urbana mediante mecanismos adecuados de externalización abierta de tareas.	
Comisión(es) de servicios prevista(s): 1. UJI, 6 meses, inicio en M25 para reunir y analizar estadísticamente datos de externalización abierta de tareas con SW UJI y asistir a clases en UJI. 2. IDOM, 3 meses, inicio en M37; trabajos en la mejora de la planificación urbana mediante la externalización abierta de tareas.	
Título de doctorado conjunto de TAU y UJI	Equipo de supervisión: Prof. Nurmi (TAU), Prof. Titular Lohan (TAU), Prof. Huerta (UJI), mentores industriales: Alarcon (IDOM), Stosic (IDOM)

ESR5

Título del proyecto y paquete de trabajo: Plataforma en la nube para posicionamiento y ubicación adaptados al contexto en dispositivos <i>wearables</i> .	
Objetivos: Identificar y analizar los escenarios, objetivo denegados por GNSS para la ubicación utilizando dispositivos <i>wearables</i> . Extraer las características de los escenarios para su clasificación. Estudiar las técnicas de aprendizaje profundo para la identificación del contexto de la ubicación. Definir los protocolos para el almacenamiento de datos, necesario para el posicionamiento, a fin de mejorar la interoperabilidad del posicionamiento y para el desarrollo de sistemas de posicionamiento en interiores en la plataforma en la nube.	
Resultados esperados: i) Una plataforma abierta que mejore la interoperabilidad entre los dispositivos y los algoritmos de ubicación con un alto grado de diversidad (tecnologías y metodologías), teniendo en cuenta las restricciones de seguridad y de privacidad. ii) Un marco común para garantizar el uso de estándares de ubicación (p. ej., IndoorGML e ISO 18305) y una valoración completa de los métodos propuestos/implementados en la plataforma. iii) Métodos avanzados para permitir que la plataforma decida/sugiera qué métodos y tecnologías de posicionamiento en interiores son adecuados para un interior en particular mediante métodos de aprendizaje automático.	
Comisión(es) de servicios prevista(s): 1. TAU: 6 meses acumulativos, inicio en M25, trabajo en técnicas de aprendizaje profundo en posicionamiento inalámbrico y asistencia a cursos de posgrado relevantes en TAU. 2. GrupoS2, 3 meses, inicio en M31 para trabajar en protocolos de seguridad.	
Título de doctorado conjunto de TAU y UJI	Equipo de supervisión: Prof. Huerta (UJI), Dr. Torres-Sospedra (UJI), Prof. Nurmi (TAU), Prof. Koucheryavy (TAU), mentores industriales: Beyer (S2G) y Villalon-Huerta (S2G)



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ESR6

Título del proyecto y paquete de trabajo: Técnicas de colaboración para sistemas de posicionamiento en interiores sin infraestructura.	
Objetivos: Probar y experimentar con diversas tecnologías de huellas dactilares (WIFI, campo magnético) y protocolos de comunicación entre iguales con respecto al rango, la potencia de la batería, la seguridad de los datos, la privacidad, etc. Desarrollar un sistema colaborativo de posicionamiento en interiores de referencia usando las tecnologías seleccionadas. Experimentar con el sistema colaborativo de posicionamiento en interiores desarrollado y luego compararlo con los algoritmos no colaborativos existentes en distintas dimensiones (p. ej., precisión, consumo de batería). Garantizar la colaboración anónima y evitar la filtración de ubicaciones.	
Resultados esperados: Un sistema colaborativo de posicionamiento que utilice un conjunto de mediciones mediante comunicación entre iguales con usuarios cercanos en lugar de usar el enfoque de medida única propenso a errores. Una prueba de concepto para el posicionamiento en interiores sin infraestructura con validación en un entorno industrial.	
Comisión(es) de servicios prevista(s): 1) TAU: 6 meses acumulativos, inicio en M32 para comparar las técnicas colaborativas y las no colaborativas y reunir los créditos ECTS necesarios para el doctorado. 2) WPS: 3 meses, inicio en M38 para implementar una prueba de concepto para el posicionamiento colaborativo sin infraestructura en redes de malla.	
Título de doctorado conjunto de TAU y UJI	Equipo de supervisión: Dr. Casteleyn (UJI), Prof. Huerta (UJI), Prof. Titular Lohan (TAU), Prof. Nurmi (TAU), mentor industrial: Dr. Curticapean (WPS).

[En todas las páginas del documento original, a excepción de la octava, aparece una rúbrica en el margen izquierdo].

Fin de la traducción jurada

María Martínez Balaguer, Traductora-Intérprete Jurada de Inglés, nombrada por el Ministerio de Asuntos Exteriores y de Cooperación, certifica que la que antecede es una traducción fiel y completa al español de un documento redactado en lengua inglesa. En Castellón, a once de noviembre de dos mil diecinueve.

MARÍA MARTÍNEZ BALAGUER
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Nº TIJ 3047

0N6303853

MARIA MARTINEZ BALAGUER

TRADUCCION INTERPRETE JURADO DE INGLES

Nº 111 3047



CLASE B

Título del proyecto y nombres de los autores. Indicar en la primera parte del documento el título del proyecto y nombres de los autores. Indicar en la segunda parte el nombre del proyecto y el nombre de los autores.	
Objetivos. Indicar los objetivos del proyecto. Indicar los objetivos del proyecto y los resultados esperados. Indicar los objetivos del proyecto y los resultados esperados.	
Metodología. Indicar la metodología utilizada. Indicar la metodología utilizada y los resultados esperados. Indicar la metodología utilizada y los resultados esperados.	
Resultados esperados. Indicar los resultados esperados. Indicar los resultados esperados y los resultados obtenidos. Indicar los resultados esperados y los resultados obtenidos.	
Conclusiones. Indicar las conclusiones del proyecto. Indicar las conclusiones del proyecto y los resultados esperados. Indicar las conclusiones del proyecto y los resultados esperados.	
Bibliografía. Indicar la bibliografía utilizada. Indicar la bibliografía utilizada y los resultados esperados. Indicar la bibliografía utilizada y los resultados esperados.	

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Maria Martinez Balaguer, Traductora-
intérprete jurada de inglés, nombrada por
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es una traducción fiel y completa al
español de un documento redactado en
lenguaje inglés. En Castellón, a once de
noviembre de dos mil diecinueve.

MARIA MARTINEZ BALAGUER
TRADUCCION INTERPRETE JURADO DE INGLES
Nº 111 3047



0N6303778

MARÍA MARTÍNEZ BALAGUER
TRADUCTORA-INTERPRETE JURADA DE INGLÉS
Nº TIJ 3047

CLASE 8.ª

Principio de traducción jurada de original en idioma inglés

**Acuerdo de Cooperación
en relación con los estudios de doctorado doble en el Doctorado Europeo Conjunto
« Aplicaciones de wearables con restricciones de privacidad » (A-WEAR)**

entre

**el Instituto de Nuevas Tecnologías de la Imagen
de Universitat Jaume I (UJI)**

y

**el Departamento DIIES
de Università degli Studi Mediterranea di Reggio Calabria (URC)**

ARTÍCULO 1 - INTRODUCCIÓN

Universitat Jaume I de Castellón (en lo sucesivo, UJI), España, y Università degli Studi Mediterranea di Reggio Calabria (en lo sucesivo, URC), Italia, han reconocido sus interés mutuo en la investigación y en el desarrollo de estudios de doctorado en el campo de la electrónica, informática e ingeniería de telecomunicaciones, y desean estipular las condiciones según las cuales los estudiantes de ambas universidades podrán ser admitidos en los estudios de doctorado implementados conjuntamente en el marco del programa de doctorado de Informática en UJI y en el de Ingeniería de la Información (Ingegneria dell'Informazione) en URC. Los alumnos matriculados recibirán, tras haber superado con éxito todos los requisitos para graduarse en los correspondientes programas de doctorado de ambas universidades, un título doble consistente en la titulación de doctor y el título oficial de cada una de las universidades.

El presente Acuerdo de Cooperación establece las condiciones para la implementación de los estudios conducentes al título doble de doctor en Aplicaciones de wearables con restricciones de privacidad, los derechos y las responsabilidades de ambas partes y los requisitos de UJI y URC en cuanto al plan formativo.

El objetivo de este Acuerdo de Cooperación es incrementar la colaboración en los estudios de doctorado y construir una base para el programa de doctorado doble.

UJI ofrece el título de Doctor - PhD - para los candidatos en posesión de un título de máster o equivalente. Los estudios de doctorado en UJI equivalen a 180 créditos ECTS (600 horas) de trabajo académico subsecuente a los estudios de máster y tras un exhaustivo trabajo de investigación conducente a resultados innovadores y diversas publicaciones revisadas por colegas profesionales. El estudiante de doctorado obtendrá el estatus de candidato a doctor cuando satisfaga los requisitos específicos de UJI para el título en su campo de estudio. El estudiante deberá preparar una tesis doctoral y conseguir su aprobación previa por parte de dos examinadores preliminares externos, elegidos de conformidad con el reglamento de UJI y defenderla con éxito ante un Tribunal formado por, al menos, dos examinadores externos y uno interno. El período mínimo de estancia en UJI será de seis meses.

Cooperative Agreement
Regarding Double Doctoral Education in European Joint Doctorate
"Dynamic Wearable Applications with Privacy Constraints" (A-WEAR)

between

Institute of New Imaging Technologies

Universitat Jaume I (UJI)

and

Department DIIES

Università degli Studi Mediterranea di Reggio Calabria (URC)

ARTICLE 1 - INTRODUCTION

Universitat Jaume I de Castellon (hereafter UJI), Spain and Università degli Studi Mediterranea di Reggio Calabria (hereafter URC), Italy have recognized their mutual interests in research and in the development of doctoral training in the field of Electronics, Computers and Communications Engineering and wish to specify the terms under which students from both universities may be admitted to a jointly implemented doctoral education in the doctoral program of Computer Science (Informática) at UJI and Information Engineering (Ingegneria dell'Informazione) at URC. The registered students shall be granted, upon successful fulfilment of all requirements for graduation from the corresponding doctoral programs at each university, a double degree consisting of the doctoral degree and the official degree certificate from each university.

This Cooperative Agreement defines the terms for implementing the double degree doctoral education in Dynamic Wearable Applications with Privacy Constraints the rights and responsibilities of both parties and the requirements of UJI and URC regarding the education.

The aim of this Cooperative Agreement is to deepen the collaboration in the doctoral education and to build a base for a double degree doctoral programme.

UJI offers Doctor of Philosophy – PhD - degree for candidates having a master degree or equivalent. The PhD education at UJI refers to 180 ECTS (600 hs) of graduate work beyond the master's degree and a thorough research work leading to innovative results and usually

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URC ofrece el título de Doctor en Filosofía - PhD - para los candidatos en posesión de un título de máster o equivalente. Los estudios de doctorado en URC equivalen a 180 créditos ECTS de trabajo académico subsecuente a los estudios de máster y tras un exhaustivo trabajo de investigación conducente a resultados innovadores y diversas publicaciones revisadas por colegas profesionales. El estudiante de doctorado obtendrá el estatus de candidato a doctor cuando satisfaga los requisitos específicos de URC para el título en su campo de estudio. El estudiante deberá preparar una tesis doctoral y conseguir su aprobación previa por parte de dos examinadores preliminares externos, elegidos de conformidad con el reglamento de URC y defenderla con éxito ante un Tribunal formado por tres examinadores externos. El período mínimo de estancia en URC será de doce meses, por lo que ambas unidades tratarán de tener comisiones de servicios de al menos doce meses en la universidad de destino, intentando pasar, si es posible, el mismo período de tiempo en ambas universidades.

ARTÍCULO 2 - OBJETIVOS Y RESULTADOS DEL APRENDIZAJE

Los estudios conjuntos de doctorado tienen como objeto formar a investigadores y profesionales del más alto nivel para el creciente sector de la ingeniería electrónica, informática y de Telecomunicaciones combinando la experiencia de los laboratorios asociados al Instituto de Nuevas Tecnologías de UJI y los laboratorios dedicados a las TIC asociados al Departamento DIIES de URC. El objetivo principal del programa doble de estudios de doctorado es la preparación de científicos del más alto nivel que puedan proporcionar soluciones a los complejos retos de la ciencia y la tecnología en los campos de la ingeniería eléctrica, informática de telecomunicaciones. Otro de los objetivos es enseñar a los graduados los métodos del trabajo científico, a fin de prepararlos para enfrentarse a los desafíos futuros de los dispositivos inteligentes *wearables* y la informática inalámbrica, además de dotar a los alumnos de conocimientos teóricos, empíricos y prácticos en el campo de la informática inalámbrica, la automatización y la ingeniería de telecomunicaciones. Los resultados de aprendizaje que se esperan de los candidatos a doctor incluyen varias ramas de los sistemas de comunicación inalámbricos, posicionamiento y navegación inalámbrica, procesamiento de señales digitales, modelaje y simulación de sistemas, redes y protocolos inalámbricos y sistemas integrados.

ARTÍCULO 3 - SELECCIÓN Y ADMISIÓN DE ESTUDIANTES

Los profesores y supervisores de los estudiantes de doctorado en ambas facultades podrán seleccionar y nombrar candidatos para los estudios de doctorado doble según los criterios de selección acordados mutuamente. Dichos criterios son los siguientes:

- Título de máster o equivalente en el campo de la ingeniería eléctrica, ingeniería de telecomunicaciones, ingeniería informática o un campo estrechamente relacionado, superado con buenas calificaciones.
- Competencia suficiente en lengua inglesa. Para poder presentarse como candidato a los estudios de doctorado doble, los candidatos deberán demostrar durante el proceso de admisión que poseen un nivel de inglés equivalente al nivel B2 del MCER o superior.

peer-reviewed publications. The PhD student must attain status as a doctoral candidate by satisfying the UJI specific degree requirements in the student's field. The student must prepare a doctoral dissertation get it pre-approved by two external pre-examiners, chosen in accordance to UJI regulations and successfully defend the Dissertation before a Dissertation Committee formed by at least two external evaluators and one internal evaluator. There is minimum of six months of residency at UJI.

URC offers Doctor of Philosophy – PhD - degree for candidates having a master degree or equivalent. The PhD education at URC refers to 180 ECTS of graduate work beyond the master's degree and a thorough research work leading to innovative results and usually peer-reviewed publications. The PhD student must attain status as a doctoral candidate by satisfying the URC specific degree requirements in the student's field. The student must prepare a doctoral dissertation, get it pre-approved by two external pre-examiners, chosen in accordance to URC regulations, and successfully defend the Dissertation before a Dissertation Committee formed by three external evaluators. There is a minimum limit to the residency at URC of 12 months, thus the two units will strive to have at least 12 months secondments to the Host University, aiming at an equal amount of time spent in both universities, when possible.

ARTICLE 2 - AIMS AND LEARNING OUTCOMES

The double degree doctoral education aims at producing top-level researchers and professionals for the growing field of Electronics, Computers and Communications Engineering by combining the special expertise of the laboratories associated to the Institute of New Imaging Technologies at UJI and the laboratories in the area of ICT associated to the Department DIIES at URC. The main objective of double degree doctoral program is to prepare top-class scientific individuals that will be able to provide solutions to challenging problems of science and technology in the field of electrical engineering, computers and communications. Another aim is to teach graduates the methods of scientific work, to prepare them to face the future challenges in smart wearables and wireless computing, and to furnish students with theoretical, experimental and practical knowledge from the field of wireless computing, automation, and communications engineering. The expected learning outcomes of the doctoral candidates include various branches of wireless communication systems, wireless positioning and navigation, digital signal processing, system modelling and simulation, wireless networks and protocols, and embedded systems.

ARTICLE 3 - STUDENT SELECTION AND ADMISSION

Professors and supervisors of doctoral students at both faculties can select and nominate candidates for the double degree doctoral education according to the selection criteria mutually agreed upon. The criteria are as follows:

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- Un plan de investigación a desarrollar íntegramente durante los estudios de doctorado con el objetivo de realizar la tesis doctoral.
- En UJI la admisión de estudiantes tendrá lugar en septiembre, éstos no abonarán tasa alguna e iniciarán el programa en octubre. En URC, la admisión de estudiantes de doctorado suele tener lugar en septiembre, tanto para aquellos que deben pagar matrícula como para quienes no, e iniciarán el programa en octubre.

Los candidatos deberán cumplir los requisitos de admisión de ambas universidades. La selección definitiva será efectuada por los respectivos programas de doctorado según los criterios de admisión de cada programa.

ARTÍCULO 4 - ESTATUS DEL ALUMNO

Los estudiantes serán admitidos en el programa de doctorado a tiempo completo y se matricularán en ambas universidades como estudiantes de doctorado. La universidad donde el estudiante inicie sus estudios de doctorado será la *universidad de origen*. La otra universidad donde se implementen estos estudios de doctorado doble será la *universidad de destino*. Los estudiantes tendrán los mismos derechos y obligaciones que los estudiantes de grado en ambas instituciones.

Existe un corpus de documentos en los que se detallan los requisitos de los programas en ambas universidades y los requisitos relativos a la investigación a realizar, así como del manuscrito definitivo de la tesis y su defensa oral. La evaluación/calificación de la tesis será negociada y acordada a nivel de la facultad o programa de doctorado de manera individual para cada estudiante que participe en los estudios de doctorado doble. Estos anexos serán ratificados por los responsables de cada programa de doctorado y por los supervisores de los estudiantes, y harán referencia a este Acuerdo de Cooperación.

Los alumnos recibirán su formación de acuerdo al plan estudios y de movilidad definido en los anexos específicos para cada estudiante. La lengua de instrucción en estos programas será el inglés.

ARTÍCULO 5 - SUPERVISIÓN DE LA INVESTIGACIÓN

Cada estudiante tendrá un supervisor principal con responsabilidades asignadas. El objetivo es que el trabajo de supervisión se reparta de forma equitativa entre las universidades. Las responsabilidades y las funciones de los supervisores se especificarán en los anexos específicos para cada estudiante.

Los supervisores deberán estar en posesión de un título de doctorado y cualificados para supervisar estudios de doctorado, de conformidad con el reglamento universitario. El supervisor principal de UJI deberá ocupar el cargo de Catedrático, Profesor Titular (con contrato permanente) o Investigador Sénior en posesión de un título de doctorado. El supervisor principal de URC deberá ocupar el cargo de Catedrático, Profesor Titular (con contrato permanente) o Profesor Ayudante (con contrato permanente).

- Master's degree or equivalent in the fields of electrical engineering, communications engineering, computers and Information Technology or a closely related field, completed with good grades.
- A sufficient proficiency in the English language. In order to be eligible for double doctoral education, the candidates must demonstrate during the admission procedure that they meet the English language requirements equal to the CEFRL level B2 or higher.
- A research plan to be implemented throughout whole doctoral study with the goal to prepare the doctoral thesis.
- At UJI, the student admission is done in September for a non-paying tuition fee entrance in October. At URC, the student admission is usually done in September for both tuition fee paying and non-paying PhD students entrance in October.

The candidates must fulfil the admission requirements of both universities. Final selection is to be made by the respective doctoral programs according to each program's admission criteria.

ARTICLE 4 - STUDENT STATUS

Students will be admitted to the PhD programme on a full-time basis and they will be registered at both universities as degree-seeking doctoral students. The University where the student will start the doctoral training will be referred to as the *home university*. The other university implementing this double degree doctoral education will be referred to as the *host university*. Students shall have the same rights and obligations as degree students in the respective institutions.

A set of documents detailing course requirements at both universities and requirements related to the research to be conducted, the final written dissertation and its oral defence, the assessment/grading of the thesis will be negotiated and concluded on faculty or doctoral program level for each individual student taking part in the double degree doctoral education. These annexes will be ratified by the respective responsible persons of the doctoral programs and by the student's supervisors and they shall bear a reference to this Cooperative Agreement.

The students will be studying according to the curriculum and mobility plan defined in the student-specific annexes. The language of instruction of these programs is English.

ARTICLE 5 - SUPERVISION OF RESEARCH

For each student, there must be one main supervisor at each university with allocated



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ARTÍCULO 6 - PERÍODO DE CANDIDATURA

Se espera que todos los estudiantes a tiempo completo cumplan los requisitos para la obtención del título de doctorado en tres (3) años. Si el alumno requiere más tiempo, deberá conseguir el visto bueno de ambas universidades. El objetivo de ambas partes es que el estudiante pase aproximadamente los mismos períodos de tiempo en cada una de las universidades. Sin embargo, si esto no fuera posible, los supervisores del estudiante podrán acordar un período de tiempo más corto en la universidad de destino. Las condiciones particulares que regularán lo anterior quedarán recogidas en los anexos específicos para cada estudiante.

A los estudiantes seleccionados para los estudios de doctorado doble se les proporcionará un espacio de trabajo adecuado, equipos de investigación, etc. en ambas universidades y la universidad de destino le ayudará a encontrar un alojamiento apropiado.

ARTÍCULO 7 - REQUISITOS DEL CURSO

A fin de obtener el título de doctorado en UJI y en URC, el estudiante tendrá que cumplir los requisitos académicos de cada una de las instituciones, que podrán ser complementarios o adicionales a aquellas de la otra institución. Los detalles que regulan esta situación, incluyéndose el plan de estudios previsto, se especifican en los anexos. Las condiciones particulares que regularán lo anterior, incluyendo el plan de estudios previsto, quedarán recogidas en los anexos.

ARTÍCULO 8 - ASUNTOS FINANCIEROS

a) Tasas de matrícula

Las tasas de matrícula en URC serán satisfechas por el proyecto A-WEAR, financiado por el programa de investigación e innovación Horizonte 2020 de la Unión Europea dentro del acuerdo de subvención Marie Skłodowska-Curie número 813278, coordinado por la Profesora Titular Elena Simona Lohan, de TUT.

Los costes relativos a la realización de investigaciones en ambas universidades estarán cubiertos por la subvención del proyecto A-WEAR, financiado por el programa de investigación e innovación Horizonte 2020 de la Unión Europea dentro del acuerdo de subvención Marie Skłodowska-Curie número 813278, coordinado por la Profesora Titular Elena Simona Lohan, de URC, tal y como han acordado los supervisores, según queda recogido en los anexos específicos para cada estudiante.

b) Beca de investigación y gastos de desplazamiento

Los alumnos no incluidos en el programa A-WEAR deberán costearse su manutención y materiales de estudio, además de procurarse un seguro médico adecuado. Los gastos de manutención, alojamiento, seguros sociales y otros gastos relativos a los estudios serán responsabilidad de los candidatos al título de doctorado doble. Los servicios de ambas universidades (la oficina de la Escuela de Doctorado en UJI y la oficina de la

responsibilities. The aim is that the supervision work is divided evenly between the universities. The responsibilities and roles of the supervisors are to be specified in the student-specific annexes.

The supervisors should have a doctoral degree and be qualified to supervise doctoral studies according to the university regulations. The main supervisor at UJI must hold the position of a Professor, Associate Professor (tenure track) or a Senior Researcher holding a PhD. The main supervisor at URC must hold the position of a Professor, Associate Professor (tenure track), Assistant Professor (tenure track).

ARTICLE 6 - PERIOD OF CANDIDATURE

A full time student is expected to complete the requirements of the doctoral education in three (3) years. If the student requires more time he/she must seek approval from both universities. The aim of both parties is that the student will spend approximately equal amount of time at each university. However, if this is not possible, the supervisors of the student may agree on a shorter period at the host university. Details regulating this will be specified in the student-specific annexes.

Students selected to the double degree doctoral education shall be provided with a necessary workspace, research equipment etc. at both universities and the hosting university shall assist in locating suitable accommodation.

ARTICLE 7 - COURSEWORK REQUIREMENTS

In order to be granted a doctoral degree at UJI and at URC, the student has to fulfil the respective coursework requirements, which may be complementary or additional to those of the other university. Details regulating this, including a scheduled study plan, will be specified in the annexes.

ARTICLE 8 - FINANCIAL MATTERS

a) Fees

The tuition fees at URC will be covered from the A-WEAR project, funded by the European Union's Horizon2020 research and innovation programme under the Marie Skłodowska Curie grant agreement No. 813278 and coordinated by Assoc. Prof. Elena Simona Lohan, TUT.

Costs related to the conducting of research at the universities will be covered by project grants the A-WEAR project, funded by the European Union's Horizon2020 research



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Escuela de Doctorado en URC) asistirán a los candidatos en las cuestiones prácticas y académicas.

Los gastos de la manutención, materiales de estudio y seguro médico de los estudiantes incluidos en el proyecto A-WEAR serán sufragados por el proyecto A-WEAR.

c) Tasas relativas a la defensa de la tesis

Cuando se realice la defensa de la tesis en UJI, ésta abonará las tasas relativas a la defensa de la tesis y cualesquiera otros honorarios en relación con los **tres** miembros del Tribunal que no pertenezcan a UJI ni a URC, y URC pagará las tasas de su supervisor principal que forme parte del Tribunal.

Cuando se realice la defensa de la tesis en URC, ésta abonará las tasas relativas a la defensa de la tesis y cualesquiera otros honorarios en relación con los **tres** miembros del Tribunal que no pertenezcan a UJI ni a URC, y UJI abonará las tasas de su supervisor principal que forme parte del Tribunal.

ARTÍCULO 9 - CONTINUACIÓN, RETIRADA Y FINALIZACIÓN DE LA CANDIDATURA

Los alumnos de los estudios de doctorado doble deberán cumplir las normas y los reglamentos tanto de UJI como de URC aplicables a los estudiantes de doctorado, incluyéndose las condiciones para continuar los estudios de doctorado, retirarse de ellos o finalizarlos. Si un estudiante desea dejar unos estudios de doctorado doble, será libre de matricularse en cualesquiera estudios estándares en cualquiera de las universidades, siempre y cuando el reglamento vigente así lo permita.

ARTÍCULO 10 - DEFENSA DE LA TESIS DOCTORAL

La tesis doctoral deberá contener material de investigación relevante, superior al alcanzable mediante el trabajo en un programa de doctorado independiente. La tesis doctoral estará redactada en idioma inglés.

El manuscrito de la tesis deberá superar una evaluación previa en ambas universidades antes de su presentación oral (defensa de la tesis), de conformidad con las normas, los reglamentos y las prácticas de UJI y URC. El permiso para la publicación de la tesis como tesis doctoral académica se concederá únicamente tras haber superado la evaluación previa. El examen oral no podrá celebrarse antes de ello. Tanto UJI como URC se consultarán mutuamente antes de nombrar los organismos necesarios para la evaluación preliminar o antes de dar permiso para la publicación de la tesis.

La defensa de la tesis se realizará en la universidad de origen y en lengua inglesa. El tribunal elegido para la defensa de la tesis será nombrado por las dos universidades de conformidad con sus reglamentos. El tribunal para la defensa de la tesis estará formado por:

- Tres miembros, concretamente tres miembros externos a UJI y a URC, cuando la defensa de la tesis se realice en URC; también se invitará a los dos supervisores principales a asistir a la defensa de la tesis.

and innovation programme under the Marie Skłodowska Curie grant agreement No. 813278 and coordinated by Assoc. Prof. Elena Simona Lohan, TUT, as agreed by the supervisors and agreed upon in the student-specific annexes.

b) Research scholarship and travelling expenses

Students not hired in the A-WEAR project are responsible to finance their living expenses and study materials and to seek for appropriate health insurance. The costs of living, housing, social insurances and other expenses related to studies are in the responsibility of the double degree candidates. Service units at both universities (at UJI: Doctoral school office; at URC: Doctoral school office) will assist candidates in practical and academic matters.

The living expenses, study materials, and health insurance of the students hired in the A-WEAR project will be paid by the A-WEAR project.

c) Fees related to the Dissertation

When Dissertation is held at UJI, UJI will cover the Dissertation fees and any fees related to the **three** members of the Dissertation committee which are not from UJI or URC, and URC will cover the fees of URC main supervisor participating in the Dissertation committee.

When Dissertation is held at URC, URC will cover the Dissertation fees and any fees related to the **three** members of the Dissertation committee which are not from UJI or URC, and UJI will cover the fees of UJI main supervisor participating in the Dissertation committee.

ARTICLE 9 - CONTINUATION, WITHDRAWAL, TERMINATION OF CANDIDATURE

Students of the double degree doctoral education are required to follow the rules and regulations of both UJI and URC for doctoral candidates, including the conditions for continuation, withdrawal and termination of doctoral studies. If a student wishes to leave the double degree doctoral education he/she will be free to pursue a regular degree at either university, provided that existing regulations permit it.

ARTICLE 10 – DISSERTATION

The doctoral thesis is expected to contain research material of relevance superior to that attainable by work performed within a single PhD program. It will be written in English.

The thesis manuscript has to pass the preliminary examination in both universities before entering to an oral examination (called defence) according to UJI and URC rules, regulations and practices. Permission to publish the thesis as an academic dissertation will be granted



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- Tres miembros, concretamente dos miembros externos a UJI, cuando la defensa de la tesis se realice en UJI; también se invitará a los dos supervisores principales a asistir a la defensa de la tesis.

Todos los miembros del tribunal deberán estar en posesión de un título de doctorado y tener una carrera científica reputada. Se recomienda, como máximo, ofrecer la oportunidad de participar en la defensa de la tesis por videoconferencia a un miembro del tribunal de cada universidad.

ARTÍCULO 11 - OTORGAMIENTO DEL TÍTULO

a) Graduación

Cada universidad examinará y evaluará de forma independiente el progreso del alumno anualmente o con la frecuencia acordada y comunicará el resultado de su evaluación a la otra universidad.

b) Doctorado

Ambas universidades emitirán de forma independiente su título oficial de doctorado para los alumnos de los estudios de doctorado doble cuando éstos cumplan todos los requisitos.

Además del título, se entregará a los estudiantes de doctorado un suplemento al título de acuerdo con los reglamentos de cada una de las universidades. El suplemento deberá describir, entre otros, la estructura y contenido de los estudios de doctorado, la naturaleza de los títulos obtenidos y los períodos de movilidad incluidos en la formación.

Los títulos de doctorado y los suplementos al título de UJI deberán especificar que el título se ha otorgado dentro del programa de doctorado doble implementado por UJI y URC, indicando que el estudiante recibe una titulación doble. El suplemento al título de URC deberá especificar que el título se ha otorgado dentro del programa de doctorado doble implementado por UJI y URC, indicando que el estudiante recibe una titulación doble.

ARTÍCULO 12 - USO DE LA PROPIEDAD INTELECTUAL

Los candidatos a doctor poseerán los derechos de autor de su tesis doctoral y ésta será pública. Cuando el candidato a doctor sea el único autor de la tesis doctoral, será el único titular de los derechos de autor de dicho trabajo. Si la tesis doctoral consiste en una compilación de artículos y un resumen, el candidato a doctor tendrá los derechos de autor sobre las partes que sean el resultado de su trabajo individual.

Ambas instituciones tendrán derecho no exclusivo sobre el uso no comercial de la tesis y sus resultados en sus actividades educativas, de formación e investigación. Este derecho es gratuito y a perpetuidad.

Si el estudiante de doctorado participa en un proyecto de investigación financiado de manera externa en el que ceda derechos de propiedad intelectual a la universidad/las universidades, se negociará un acuerdo redactado por separado entre las partes implicadas.

only after passing the preliminary examination. The oral examination cannot take place before that. Both UJI and URC will consult each other before nominating any necessary organs for preliminary examination or before giving a permission to publish the thesis.

The defence of the thesis will be held at the Home University, and in the English language. The agreed committee for thesis defence will be nominated by the two universities in compliance with their regulations. The committee for the thesis defence will be composed of:

- 3 members, namely 3 external members from outside UJI and URC, when the defence of the thesis will be held at URC; in addition, the two main supervisors are also invited to attend the dissertation
- 3 members, namely 2 external members from outside UJI, when the defence of the thesis will be held at UJI; in addition, the two main supervisors are also invited to attend the dissertation

All members of the dissertation committee must hold a doctoral degree and have a well-reputed scientific career. It is recommended to offer the opportunity to participate in the public defence via video conference to one committee member from each university, at most.

ARTICLE 11 – GRADUATION

a) Graduation

Each university will separately examine and evaluate the progress of the student annually or with the prescribed frequency, and transmit the result of the evaluation to the other university.

(b) Doctorate

Both universities will issue (separately) their official doctoral degree certificate for the students of the double doctoral education, when all requirements are fulfilled.

In addition to the degree certificate, a diploma supplement will be given to the doctoral students in accordance with regulations of individual universities. The supplement should describe, among other things, the structure and content of the doctoral education, the nature of the degrees awarded and the mobility periods included in the training.

The doctoral degree certificates and diploma supplements of UJI shall state that the degree has been awarded within a double degree doctoral programme implemented by UJI and URC, indicating that the student is receiving a double degree. The diploma supplement of URC shall state that the degree has been awarded within a double degree doctoral programme implemented by UJI and URC, indicating that the student is receiving a double degree.

ARTICLE 12 - USE OF INTELLECTUAL PROPERTY

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ARTÍCULO 13 - SITUACIONES ESPECIALES

Cualesquiera conflictos surgidos por la interpretación de este Acuerdo de Cooperación serán resueltos conjuntamente por las respectivas autoridades en UJI y URC. En caso de no resolverse, el primer paso será la mediación por parte del Rector de UJI y el Rector de URC, y el segundo paso será someter el conflicto al laudo arbitral según las Reglas de Arbitraje de la Cámara de Comercio Internacional por un árbitro nombrado de conformidad con dicho Reglamento. El lugar del arbitraje será la ciudad de la sede de la universidad de origen. El idioma del arbitraje será el inglés. Este Acuerdo se interpretará conforme a las estipulaciones de la legislación nacional de la universidad de origen y estará regido por ella, excluyendo sus disposiciones sobre conflicto de leyes.

ARTÍCULO 14 - FECHA DE EFECTO Y DE RESCISIÓN

Este Acuerdo de Cooperación surtirá efecto a partir de la fecha de la firma y tendrá validez durante cuatro años tras la fecha de la última firma. Se renovará automáticamente por dos años más tras la finalización del primer período de cuatro años. Podrán realizarse modificaciones a este Acuerdo de Cooperación de mutuo acuerdo, siempre que queden debidamente firmadas por un representante autorizado de cada Parte.

Este Acuerdo podrá ser rescindido por las autoridades pertinentes de cada una de las partes enviando una notificación por escrito con seis meses de antelación a la otra parte. Ambas partes acuerdan que, en caso de que cualquiera de ellas desee rescindir este Acuerdo de Cooperación, el alumno matriculado en los estudios de doctorado doble podrá proseguir su formación y obtener el título según el plan de estudios de la otra parte.

ARTÍCULO 15 - RESPONSABILIDAD

El presente Acuerdo no dará lugar a ninguna obligación financiera de cualquiera de las partes para con la otra. Cada parte sufragará sus propios gastos en relación con este Acuerdo.

El presente Acuerdo se firma por duplicado en dos originales redactados en lengua inglesa, y cada una de las instituciones participantes recibe uno de ellos.

ARTÍCULO 16 - POLÍTICA DE PROTECCIÓN DE DATOS PERSONALES

Los datos personales se tratarán de conformidad con lo estipulado en la legislación nacional y de la UE sobre protección de datos (incluyendo los requisitos de autorización o de notificación) y según el Acuerdo de Subvención del proyecto número 813278 — A-WEAR — H2020-MSCA-ITN-2018, que cumple íntegramente el RGPD de la UE.

Doctoral candidates own the copyright to their dissertation and the dissertation is public. When the doctoral candidate is the sole author of the doctoral degree thesis, he/she alone has the copyright to the work. If the doctoral degree thesis consists of a collection of articles and a summary, the doctoral candidate has the copyright to those parts that are the results of his/her independent effort.

Both institutions shall have the non-exclusive right for a non-commercial use of the thesis and the results in their education, training and research. This right is perpetual and free of any charge.

If the doctoral student participates in an externally funded research project in which he/she shall transfer intellectual property rights to the university/universities, a separate written agreement shall be negotiated between the relevant parties.

ARTICLE 13 - SPECIAL SITUATIONS

Any disputes arising from the interpretation of this Cooperation Agreement shall be resolved jointly by and between respective faculties at UJI and URC. In the event of non-resolution, the first step is mediation by the Rector of UJI and the Rector of URC and the second step is to refer the dispute to arbitration under the Rules of Arbitration of the International Chamber of Commerce by one arbitrator appointed in accordance with said Rules. The place of arbitration shall be the city of registered office of the home university. The language of the arbitration shall be English. This Agreement shall be construed in accordance with, and governed by, the national law of the home university, excluding its conflict of law provisions.

ARTICLE 14 - EFFECTIVE DATE AND TERMINATION

This Cooperative Agreement will become effective upon signing and shall remain in effect for 4 years after the date of the last signature and will be automatically renewed for 2 more years after finalization of the first 4 years period. Modifications to this Cooperative Agreement may be made by mutual agreement and confirmed through an exchange of letters. The Cooperative Agreement may be extended by mutual consent by the two parties.

The Agreement may be terminated by the appropriate authorities of either party giving six-month notice to the other party in writing. Both parties agree that in the event of any party wishing to terminate the Cooperative Agreement the student enrolled under the double degree education will be allowed to proceed and graduate under the programme of the other party.

12 NOV 2019

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Nº TIJ 3047



ON6303785

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Nº TIJ 3047

CLASE 8ª**Firmas para el Acuerdo de Cooperación de la *Università degli Studi Mediterranea di Reggio Calabria***

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Rector
Marcello Zimbone
Firma: [Firma ilegible y sello:] Università
degli Studi Mediterranea di Reggio
Calabria

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Jefe del Departamento DIIES
Prof. Tommaso Isernia
Firma: [Firma ilegible y sello:] Università
degli Studi Mediterranea di Reggio
Calabria – Departamento DIIES

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Coordinador del Curso de Doctorado en
Tecnología de la Información
Prof. Antonio Iera
Firma: [Firma ilegible y sello:] Università
degli Studi Mediterranea di Reggio
Calabria – Departamento DIIES

Firmas para el Acuerdo de Cooperación de la *Universitat Jaume I de Castellón*

Título del representante autorizado:
Nombre del representante autorizado:

Rectora
Prof. Eva Alcón Soler

Fecha: 03/09/2019

Firma: [Firma ilegible y sello:]
UNIVERSITAT JAUME I

Título del representante autorizado:
Nombre del representante autorizado:
Fecha: 20/05/2019

Directora de la Escuela de Doctorado
Prof. Mercè Correa Sanz
Firma: [Firma ilegible y sello:] ESCOLA DE
DOCTORAT.- UNIVERSITAT JAUME I

Título del representante autorizado:
Nombre del representante autorizado:
Fecha:

Coordinador del Doctorado Europeo
Conjunto A-WEAR
Prof. Joaquín Huerta Guijarro
Firma:

MARÍA MARTÍNEZ BALAGUER
TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
Nº TIJ 3047
12 NOV 2019

ARTICLE 15 – LIABILITY

This Agreement will not give rise to any financial obligation by one Party to other. Each Party will bear its own cost and expenses in relation to this Agreement.

This Agreement has been signed in two originals in English, of which each institution has taken one.

ARTICLE 16 – PERSONAL DATA PROTECTION POLICY

The personal data will be processed in compliance with applicable EU and national law on data protection (including authorisations or notification requirements) and according to the project Grant Agreement number 813278 – A-WEAR – H2020-MSCA-ITN-2018, which is fully compliant with EU GDPR.

Signing the Cooperative Agreement for University Mediterranea of Reggio Calabria

Title of the authorised representative:

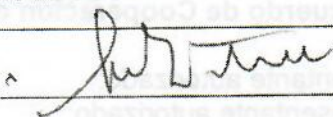
Rector

Name of the authorised representative:

Pro.f Marcello Zimbone

Date:

Signature:




Title of the authorised representative:

Head of Department DIIES

Name of the authorised representative:

Prof. Tommaso Isernia

Date:

Signature:




Title of the authorised representative:

Coordinator of the PhD Course in Information Technology

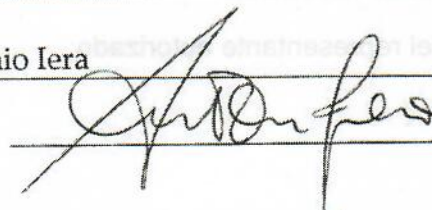
Name of the authorised representative:

Prof. Antonio Iera

Date:

12/4/2018

Signature:




Signing the Cooperative Agreement for Universitat Jaume I de Castellón

MARIA MARTÍNEZ BALAGUER
 TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
 Nº TIJ 3047

12 NOV 2019



ON6303786

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
Nº TIJ 3047

CLASE 8ª

ANEXO: INFORMACIÓN ESPECÍFICA DEL PROYECTO

Uno de los candidatos seleccionados por A-WEAR (denominado en el Acuerdo de Subvención de A-WEAR como ESR15) se matriculará en este plan de estudios doble. A continuación se incluye información específica sobre su proyecto.

ESR15

Título del proyecto y paquete de trabajo: Nuevos protocolos de arquitectura, comunicación y redes compatibles con la conectividad de los dispositivos <i>wearables</i> 5G-IoT, WP2, tareas 2.1, 3.3	
Objetivos: Explorar las mejoras ofrecidas por un conjunto de innovadoras tecnologías 5G en contextos prácticos de IoT. Estudiar las tecnologías heterogéneas de multiconectividad mediante acceso por radio y la movilidad en IoT. Investigar WiFi-Direct y 3GPP LTE con Servicios de Proximidad, conocidos como LTE-Direct, enfoques para comunicaciones D2D.	
Resultados esperados: Algoritmos innovadores para dispositivos <i>wearables</i> , servicios de proximidad y comunicaciones de tipo automático; un conjunto completo de modelos, marcos, diseños y algoritmos útiles para una caracterización completa de los servicios y las aplicaciones de los dispositivos <i>wearables</i> en el ecosistema convergente 5G-IoT; métodos de validación basados en el análisis y la simulación.	
Comisión(es) de servicios prevista(s): 1. 12 meses acumulativos en UJI, inicio en M13, trabajo en novedosas soluciones de última generación y de multiconectividad en IoT. 2. IDOM, 3 meses, inicio en M39, formación en estandarización 5G e IoT.	
Título de doctorado doble de URC y UJI	Equipo de supervisión: Prof. As. Araniti (URC), Prof. Iera (URC), Prof. Huerta (UJI), Dr. Torres-Sospedra (UJI), mentores industriales: De Diego (IDOM), Stosic (IDOM)

Fin de la traducción jurada

María Martínez Balaguer, Traductora-Intérprete Jurada de Inglés, nombrada por el Ministerio de Asuntos Exteriores y de Cooperación, certifica que la que antecede es una traducción fiel y completa al español de un documento redactado en lengua inglesa. En Castellón, a once de noviembre de dos mil diecinueve.

MARÍA MARTÍNEZ BALAGUER
TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS
Nº TIJ 3047

Title of the authorised
representative:

Rector

Name of the authorised
representative:

Prof. Eva Alcón Soler

Date: 03/09/2019

Signature:



Title of the authorised
representative:

Director of Doctoral School

Name of the authorised
representative:

Prof. Mercè Correa Sanz

Date: 20/5/2019

Signature:

Title of the authorised
representative:

Coordinator of the A-WEAR European Joint Doctorate

Name of the authorised
representative:

Prof. Joaquín Huerta Guijarro

Date:

Signature:

MARÍA MARTÍNEZ BALAGUER

TRADUCTORA-INTÉRPRETE JURADA DE INGLÉS

Nº TIJ 3047



ON6303787

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Nº TIJ 3047

CLASE 8.ª

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MARÍA MARTÍNEZ BALAGUER
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Nº TIJ 3047

ANNEX: PROJECT-SPECIFIC INFORMATION

One of the A-WEAR recruited fellows (denoted in the A-WEAR Grant Agreement by ESR15) will register to this double degree program. The specifics of his project are given below:

ESR15

Project Title and Work Package: New Architecture, communication and networking protocols for supporting 5G-IoT wearable devices connectivity, WP2, tasks 2.1, 3.3	
Objectives: • Explore the enhancements offered by a set of innovative 5G technologies in practical IoWT contexts; • Study the multi-connectivity heterogeneous radio access technologies and mobility in IoWT; • Investigate WiFi-Direct and 3GPP LTE with Proximity Services, nicknamed LTE-Direct, approaches for D2D communications	
Expected Results: innovative algorithms for wearable devices, proximity services, and machine type communications; a complete set of models, frameworks, schemes, and algorithms useful for a complete characterization of the wearable services and applications in the converged 5G-IoT ecosystem; analytical and simulation-based validation methods.	
Planned secondment(s): 1. 12 cumulative months at UJI, starting M13, work on state-of-the-art and multi-connectivity novel solutions in IoWT, 2. IDOM, 3 months, starting M39, training on 5G and IoT standardization	
Double PhD degree from: URC and UJI	Supervisory team: Assis. Prof. Araniti (URC), Prof. Iera (URC), Prof. Huerta (UJI), Dr. Torres-Sospedra (UJI), industrial mentors: De Diego (IDOM), Stosic (IDOM)

12 NOV 2019

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Nº TIJ 3047