



Escola de Enxeñaría de Telecomunicación

(*)Páxina web

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www.teleco.uvigo.es

(*)Presentación

The School of Telecommunication Engineering (EET) is a higher education school of the University of Vigo that offers Bachelor's degrees, Master's degrees and Doctoral programs in the fields of Telecommunications Engineering.

Bachelor's Degree in Telecommunication Technologies Engineering (EUR-ACE®).

The main goal of the Bachelor's Degree in Telecommunication Technologies Engineering is to form professionals at the forefront of technological knowledge and professional competences in telecommunication engineering. This Bachelor has been recognized with the best quality seals, like the EUR-ACE's. **It has a bilingual option: up to 80% of the degree credits can be taken in English.**

http://teleco.uvigo.es/images/stories/documentos/gett/degree_telecom.pdf

www: <http://teleco.uvigo.es/index.php/es/estudios/gett>

Master in Telecommunication Engineering

The Master in Telecommunication Engineering is a Master's degree that qualifies to exercise the profession of Telecommunication Engineer, in virtue of the established in the Order CIN/355/2009 of 9 of February.

http://teleco.uvigo.es/images/stories/documentos/met/master_telecom_rev.pdf

www: <http://teleco.uvigo.es/index.php/es/estudios/mit>

Interuniversity Masters

The current academic offer includes interuniversity master's degrees that are closely related to the business sector:

Master in Cybersecurity: www: <https://www.munics.es/>

Master in Industrial Mathematics: www: <http://m2i.es>

International Master in Computer Vision: www: <https://www.imcv.eu/>

(*)Equipo directivo

MANAGEMENT TEAM

Directora: Rebeca Pilar Díaz Redondo (teleco.direccion@uvigo.gal)

Secretaría e Subdirección de Novas Titulacións: Pedro Rodríguez Hernández

(teleco.subdir.secretaria@uvigo.gal;teleco.subdir.novastitulacions@uvigo.gal)

Subdirección de Organización Académica: Pedro Comesaña Alfaro (teleco.subdir.academica@uvigo.gal)

Subdirección de Relaciones Internacionais e Subdirección de Infraestructuras: María Verónica Santalla del Río (teleco.subdir.internacional@uvigo.gal; teleco.subdir.infraestructuras@uvigo.gal)

Subdirección Difusión e Captación: Laura Docio Fernández (teleco.subdir.captacion@uvigo.gal)

Subdirección de Calidade: Ana María Cao Paz(teleco.subdir.calidade@uvigo.gal)

BACHELOR'S DEGREE IN TELECOMMUNICATION TECHNOLOGIES ENGINEERING

Generalcoordinator: Lucía Costas Pérez (teleco.grao@uvigo.gal)

<https://teleco.uvigo.es/es/documentos/acordos-es/comisions-academicas-es/miembros-de-la-comision-academica-del-gett/>

MASTER IN TELECOMMUNICATION ENGINEERING

Generalcoordinator: Manuel García Sánchez (teleco.master@uvigo.gal)

<https://teleco.uvigo.es/es/documentos/acordos-es/comisions-academicas-es/miembros-de-la-comision-academica-del-met/>

MASTER IN CYBERSECURITY

General coordinator: Ana Fernández Vilas (teleco.munics@uvigo.gal)

<https://teleco.uvigo.es/es/documentos/acordos-es/comisions-academicas-es/miembros-de-la-comision-academica-del-munics/>

MASTER IN INDUSTRIAL MATHEMATICS

Generalcoordinator: Elena Vázquez Cendón (USC)

UVigo coordinator: José Durany Castrillo (durany@dma.uvigo.es)

<http://www.m2i.es/?seccion=coordinacion>

INTERNATIONAL MASTER IN COMPUTER VISION

General coordinator: Xose Manuel Pardo López (USC)

UVigo coordinator: José Luis Alba Castro (jalba@gts.uvigo.es)

<https://www.imcv.eu/legal-notice/>

MASTER'S DEGREE IN QUANTUM INFORMATION SCIENCE AND TECHNOLOGIES (MQIST)

General coordinator: Javier Mas (USC)

Coordinador UVIGO: Manuel Fernández Veiga(teleco.mqist@uvigo.es)

<https://quantummastergalicia.es/info>

Máster Universitario en Visión por Computador

Subjects

Year 2nd

| Code | Name | Quadmester | Total Cr. |
|---------------|---------------------|------------|-----------|
| V05M185V01301 | Master dissertation | 1st | 30 |

IDENTIFYING DATA**Master dissertation**

| | | | | |
|---------------------|---|-----------|------|------------|
| Subject | Master dissertation | | | |
| Code | V05M185V01301 | | | |
| Study programme | Máster Universitario en Visión por Computador | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 30 | Mandatory | 2nd | 1st |
| Teaching language | English | | | |
| Department | | | | |
| Coordinator | | | | |
| Lecturers | Alba Castro, José Luis Balado Frías, Jesús Baptista Rios, Marcos Cabaleiro Barciela, Bernardo Martínez Sánchez, Joaquín Pérez Cabo, Daniel Saez Tort, Margarita Soilán Rodríguez, Mario | | | |
| E-mail | | | | |
| Web | http://imcv.eu | | | |
| General description | The main objective of the TFM is the analysis, design, implementation and validation of a project, carried out individually, related to computer vision. It can be developed in a company or entity with proven experience in R & D & i projects, being tutored by a professional in the field. The project must provide innovation components that go beyond the simple development of an application, service or standard line of business. The TFM must promote the contribution of added value by the student in innovative projects and their direct relationship with the labor market or with some cutting-edge research aspect. | | | |

Training and Learning Results

| | |
|------|---|
| Code | |
| A4 | CB9 Students should be able to communicate their findings - and the ultimate knowledge and reasons behind them - to specialist and non-specialist audiences in a clear and unambiguous manner |
| B2 | Ability to analyse the needs of a company in the computer vision field and determine the best technical solution for it |
| B3 | Ability to develop computer vision systems depending on the existent needs and apply the most suitable technological tools |
| B4 | Capacity for critical analysis and rigorous evaluation of technologies and methodology |
| B5 | Ability to identify unsolved problems and provide innovative solutions |
| B6 | Ability to identify theoretical results or new technologies with innovative potential and turn them into products and services useful to society |
| C4 | To conceive, develop and evaluate complex computer vision systems |
| C8 | To communicate and disseminate research results and conclusions |
| D1 | To practice the profession with a clear awareness of its human, economic, legal and ethical dimensions and with a clear commitment to quality and continuous improvement |
| D2 | Capacity for teamwork, organization and planning |
| D3 | Development of the innovative and entrepreneurial spirit |

Expected results from this subject

| | |
|------------------------------------|--|
| Expected results from this subject | Training and Learning Results |
| New | A4 B2 B3 B4 B5 B6 C4 C8 D1 D2 D3 |

Contents

Topic

The Master's Thesis will consist of an original exercise carried out individually, consisting of a research or innovation project related to computer vision. The project may be carried out at the proposal of a company, public organization, university, research center or technology center that has signed a collaboration agreement with some of the universities participating in the master's degree or in a research group of the USC, UDC, UVigo or UPorto. In all cases, the TFM will be tutored by professors from the departments involved in the teaching of the Master, or by doctoral professors from the participating universities who have the authorization of the Interuniversity Academic Committee.

Planning

| | Class hours | Hours outside the classroom | Total hours |
|---------------|-------------|-----------------------------|-------------|
| Mentored work | 29 | 720 | 749 |
| Essay | 1 | 0 | 1 |

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

| | Description |
|---------------|---|
| Mentored work | The tutors will guide the work with face-to-face or on-line meetings. |

Personalized assistance

| Methodologies | Description |
|---------------|-------------|
| Mentored work | |

Assessment

| | Description | Qualification | | Training and Learning Results | | |
|-------|------------------------------|---------------|----|-------------------------------|----|----|
| Essay | Written work 70% | 100 | A4 | B2 | C4 | D1 |
| | | | | B3 | C8 | D2 |
| | Presentation and defense 30% | | | B4 | | D3 |
| | | | | B5 | | |
| | | | | B6 | | |

Other comments on the Evaluation

Plan of Contingency for alternative stages:

On-line meetings and final assessment can be done on-line due to exceptional causes

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Other comments

Before the defense of the MT all the matters have to be surpassed