



## Patricia Wanderley Ferreira-Lopes

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

**Ferreira-Lopes** is a PhD Architect. During her two masters, <Historical and Architectural Heritage> (University of Seville) and <Pathology of buildings> (Polytechnic University of Madrid), she worked extensively on architectural and cultural heritage. Before starting her PhD, she worked on the application of GIS in industrial heritage as a researcher at the University of Seville - connecting historical and architectural data, crowdsourcing data and **outreach dissemination activities**. During her PhD, she gained expertise in Late Gothic heritage, database management, Historical GIS, graph theory and Social Network Analysis from an extensive variety of technically-related research projects in different Centres and in her thesis development. **Her spectrum of research covers a wide but well-connected range of competencies, including both the theoretical and experimental side**, which is also reflected in the networks she has been active in. She has been collaborating with international and national R&D Centres: in Canada (CulturePlexLab at the Western University of Ontario, London), in the Netherlands (CLUE + Research Institute for Culture, History and Heritage at the Vrije Universiteit Amsterdam), in Spain (UNESCO Chair in Cultural Landscape and Heritage at the University of the Basque Country, Vitoria-Gasteiz), in Portugal (Civil Engineering Research Innovation and Sustainability at the Instituto Superior Técnico, Lisbon; IHC at NOVA Lisboa) and Ireland (DARIAH-EU, Dublin). During her PhD fellowship, she also worked for four years as a teacher at the Higher Technical Superior Architectural School of the University of Seville, teaching Architecture design and Urban planning, digital tools (GIS and BIM) in project development and photography. Between 2014 and 2016 she worked as a researcher in the Excellence Project “A digital information model for knowledge and management of cultural heritage” (HAR 2012-34571). During 2019 she was invited to work at FCSH Nova Lisboa (Invited Scientist FCT), where she was co-coordinating the Digital Humanities Lab. Currently, she is associated as a researcher on two R&D Projects funded by the Ministry of Science, Innovation and Universities of Spain: “Diego de Riaño, Diego Siloé and the transition from Gothic to Renaissance in Spain. Architecture and City: Technique, Language and Spatial Concept” and “Sustainable management of cultural heritage through digital models - BIM and GIS: contribution to knowledge and social innovation”. During 2019 she worked at FCT FCSH Nova Lisboa as Invited Scientist where she was co-coordinating the Digital Humanities Lab. Currently, she has a permanent position at the Andalusian Institute of Historical Heritage (IAPH). In general lines, her activities/responsibilities are writing project proposals for International and National calls, project manager, researching and teaching activities. Moreover, she has participated in numerous international conferences and has imparted many lectures in national and international courses. Recognized as a curious and proactive professional who is able to propose different solutions and also new perspectives of a case-study in order to solve complex problems. The lines of research in which she is working are methods and techniques for the documentation, conservation, and management of heritage, GIS, SNA, historical database, data visualization and participatory-cartography.



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Researchgate profile: 12.7; Recommendations: 45; Reads (full text): 4,362 ([https://www.researchgate.net/profile/Patricia\\_Ferreira\\_Lopes2](https://www.researchgate.net/profile/Patricia_Ferreira_Lopes2))

Total citation: 15

Total publications in the first quartile: 3

H index: 2 (google scholar)

**Research Stays:** 4 (total time = one year)

**R&D Research Projects participation:** 6

Official Teaching - Architecture grade: 100hs

Non-Official teaching such as summer courses and lifelong learning course (cursos de formación permanente): approx. 40hs



## Patricia Wanderley Ferreira-Lopes

**Surname(s):** Wanderley Ferreira-Lopes  
**Name:** Patricia  
**NIE:** Y0917520H  
**ORCID:** 0000-0002-3886-9698  
**ScopusID:** 57201952817  
**ResearcherID:** O-1572-2014  
**DialnetID:** 3896686  
**Date of birth:** 14/02/1985  
**Gender:** Female  
**Nationality:** Brazil  
**Country of birth:** Brazil  
**Contact province:** Seville  
**City of birth:** Recife (she also acquired Spanish nationality in 2019)  
**Contact address:** Calle Alfarería, nº 109  
**Rest of contact address:** piso 1ºC  
**Postcode:** 41010  
**Contact country:** Spain  
**Contact aut. region/reg.:** Andalusia  
**Contact city:** Sevilla  
**Land line phone:** (0034) 955037144  
**Email:** patricia.ferreira@juntadeandalucia.es  
**Mobile phone:** (0034) 635797090  
**Personal web page:** www.patriciaferreiralopes.com

### Current professional situation

**Employing entity:** Instituto Andaluz de Patrimonio Histórico      **Type of entity:** State agency

**Department:** Centro de Documentación y Estudios

**Professional category:** Heritage Information documentation and management

**Start date:** 13/05/2019

**Type of contract:** Permanent employment contract      **Dedication regime:** Full time

**Primary (UNESCO code):** 120318 - Information systems; design and componente; 620100 - Architecture

**Secondary (UNESCO code):** 540000 - Geography; 550200 - General history

**Performed tasks:** Currently, she has a permanent researcher position at the Andalusian Institute of Historical Heritage (IAPH). In general lines, her activities/responsibilities are writing project proposals for International and National calls, project manager, researching and teaching activities. The lines of research in which she is working are methods and techniques for the conservation, intervention and management of heritage, GIS, SNA, historical database, data visualization and participatory-cartography.

### Previous positions and activities

	Employing entity	Professional category	Start date
1	FCSH Universidade Nova de Lisboa	Invited Scientist - Digital Humanities Lab	01/03/2019
2	Universidad de Sevilla	Researcher and Teacher assistant (FPI fellowship)	11/08/2014
3	Sevilla Brasil 11, Arquitectos, Ingenieros y Consultores S.L	Architect and Urban Planner	01/12/2013
4	Grupo Cornelio Brennand	Architect and Urban Planner	01/09/2008
5	Balonas Proyecto Arquitectura	Architect	03/12/2007
6	Gobierno del Estado de Pernambuco - FUNDARPE	Architect junior	03/10/2005
7	Architects without Borders - ASF - Spain	Architect. Volunteer	04/07/2011

**1 Employing entity:** FCSH Universidade Nova de Lisboa

**Department:** Instituto de Historia Contemporânea, Faculdade de Ciências Sociais e Humanas

**City employing entity:** Lisbon, Lisboa, Portugal

**Professional category:** Invited Scientist - Digital Humanities Lab **Educational Management (Yes/No):** No

**Start-End date:** 01/03/2019 - 31/05/2019 **Duration:** 2 months

**Type of contract:** Grant-assisted student (pre or post-doctoral, others)

**Dedication regime:** Full time

**Primary (UNESCO code):** 550000 - History; 620103 - Urbanism

**Secondary (UNESCO code):** 250502 - Geographical cartography; 550402 - Contemporary history

**Tertiary (UNESCO code):** 330414 - Digital computers

**Performed tasks:** The tasks that were realized during this period were related to the Digital Humanities Lab's activities. Projects proposals writer for funding - international/national level (H2020 project proposals, FCT project proposal, EEA Grant, etc); Teaching at the Digital Humanities Lab; Tutorizing researchers (PhD students and postdocs); co-coordinating the DH laboratory activities. Responsible for the proposal BILLIG (EEA Grant call) between NOVA Lisboa and Oslo University. This proposal was approved and the project will start in September 2019 (1-year project).

**Identify key words:** Computer system; Dataprocessing; Architecture; Geography; Art history

**Field of management activity:** University

**Applicability in teaching and/or research:** GIS, SNA, Historical databases and data visualization applied on cultural heritage, history, urbanism and culture.

**2 Employing entity:** Universidad de Sevilla **Type of entity:** University

**Department:** Departamento de Expresión Gráfica Arquitectónica, Escuela Técnica Superior de Arquitectura

**City employing entity:** Sevilla, Andalusia, Spain

**Professional category:** Researcher and Teacher assistant (FPI fellowship) **Educational Management (Yes/No):** No

**Phone:** (0034) 954559971

**Start-End date:** 11/08/2014 - 10/08/2018 **Duration:** 4 years - 48 months

**Type of contract:** Grant-assisted student (pre or post-doctoral, others)

**Dedication regime:** Full time

**Primary (UNESCO code):** 550403 - Mediaeval history; 620100 - Architecture

**Secondary (UNESCO code):** 550403 - Mediaeval history

**Tertiary (UNESCO code):** 620103 - Urbanism

**Performed tasks:** Fellowship-contract as researcher and teacher assistant. Development of research for the consecution of the PhD focused on Late Gothic Architecture History and the application of digital technology (GIS and Graph Model). Teaching activity related to subjects, such as Architecture Project, Urban Planning, Computer-aided drawing, GIS applied to architecture project. Participation in research projects led by professors from her department. Research stays in internationally recognized



research centres. Publication of papers in peer-reviewed journals and participation in national and international conferences. Participation in the management activity of my department, as well as in the creation of a new course related to Architecture Photography. Participation in organizing seminars and conferences. Participation as a reviewer in journals and conferences.

**Identify key words:** Artistic historical patrimony; Baroque architecture; Renacentist architecture; Gothic architecture; Urban history; Art history; Architectural heritage

**Applicability in teaching and/or research:** Thanks to thorough training in the teaching of more than 100 hours and five subjects, I have been able to learn to teach techniques and improve my skills in it. I have also been working with other teachers to solve students' problems. Through the research developed for the consecution of the Ph.D., I have been able to carry out a complex and broad research and to obtain innovative conclusions from it, exploring a field, Late Gothic Architecture, not yet properly studied for the Iberian Peninsula, through the application of a relational database, GIS model and Graph Model. Main skills acquired are independent thinking, full development and successfully end of a project, management of a variety of heritage methodologies, work development in an international context. By means of the collaboration in different research projects, I have acquired experience in field project work and management, in working in a group, taking on responsibilities and leadership qualities.

- 3** **Employing entity:** Sevilla Brasil 11, Arquitectos, **Type of entity:** Business Ingenieros y Consultores S.L  
**City employing entity:** Sevilla, Andalusia, Spain  
**Professional category:** Architect and Urban Planner **Educational Management (Yes/No):** No  
**Start-End date:** 01/12/2013 - 31/07/2014  
**Type of contract:** Permanent employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 620100 - Architecture  
**Performed tasks:** Architecture Projects. Landscape projects. Architecture interior design.  
**Identify key words:** Civil engineering and architecture  
**Applicability in teaching and/or research:** As a result of the work, I developed skills in teamwork, new architectural construction techniques and materials, information organization and management of time.
- 4** **Employing entity:** Grupo Cornelio Brennand **Type of entity:** Business  
**City employing entity:** Recife, Brazil  
**Professional category:** Architect and Urban Planner  
**Start-End date:** 01/09/2008 - 30/12/2009  
**Primary (UNESCO code):** 620100 - Architecture  
**Performed tasks:** Architecture Projects. Landscape projects. Master Plans. Architecture interior design.  
**Identify key words:** Civil engineering and architecture
- 5** **Employing entity:** Balonas Projecto Arquitectura **Type of entity:** Business  
**City employing entity:** Oporto, Portugal  
**Professional category:** Architect  
**Start-End date:** 03/12/2007 - 30/06/2008  
**Type of contract:** Temporary  
**Primary (UNESCO code):** 620100 - Architecture  
**Performed tasks:** Architecture Projects. Landscape projects. Architecture interior design. 3d Model design.  
**Identify key words:** Civil engineering and architecture; Architectural heritage



- 6** **Employing entity:** Gobierno del Estado de Pernambuco - FUNDARPE **Type of entity:** State agency  
**City employing entity:** Recife, Brazil  
**Professional category:** Architect junior  
**Start-End date:** 03/10/2005 - 30/07/2007  
**Type of contract:** Permanent employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 620100 - Architecture  
**Performed tasks:** Historical research about industry history in Brazil, especially in the northeast of Brazil. A rehabilitation project for the old textile factory Tacaruna.  
**Identify key words:** Architectural heritage
- 7** **Employing entity:** Architects without Borders - ASF - Spain  
**City employing entity:** Sevilla, Andalusia, Spain  
**Professional category:** Architect. Volunteer  
**Start date:** 04/07/2011  
**Type of contract:** voluntary  
**Primary (UNESCO code):** 620100 - Architecture  
**Performed tasks:** Research on low-cost construction techniques. Collaboration in the design of the exhibition "Con o Sin Techo". 3D printed models. Collaboration in the creation of a catalogue about low-cost construction techniques.  
**Identify key words:** Civil engineering and architecture  
**Applicability in teaching and/or research:** As a result of the work with Architects without borders, two exhibitions were organized: (1) Con o Sin Techo. Madrid, Arquería Nuevos Ministerios, 2012. (2) Con o Sin Techo. Mecanismos para la Mejora del habitat en América Latina Sevilla. Sevilla, Antiguo Convento de Santa María de los Reyes, 2013.



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree

**Name of qualification:** Architecture and Urban Planner

**City degree awarding entity:** Recife, Brazil

**Degree awarding entity:** Universidad Federal de Pernambuco

**Type of entity:** University

**Date of qualification:** 2009

**Foreign qualification:** 8,34

#### Doctorates

**Doctorate programme:** PhD in Architecture

**Degree awarding entity:** Universidad de Sevilla

**Type of entity:** University

**City degree awarding entity:** Seville, Andalusia, Spain

**Date of degree:** 20/12/2018

**DEA awarding entity:** University of Seville

**Date DEA was awarded:** 02/02/2012

**European doctorate:** Yes

**Date of certificate:** 20/12/2018

**Thesis title:** Digital Information Models – GIS and Graph – applied to heritage. The building factory in the ancient kingdom of Seville during the transition to the Modern Age

**Thesis director:** Francisco Pinto-Puerto

**Thesis co-director:** Juan Clemente Rodríguez Estévez; Luis Galindo Pérez Azpillaga

**Obtained qualification:** 10.Sobresaliente. CUMLAUDE. Mención Internacional

**Recognition of quality:** Yes

**Special doctorate award:** Yes

**Date of award:** 20/12/2018

**Standardised degree:** Yes

#### Other postgraduate university studies

**1 Type of education:** Masters

**Postgraduate qualification:** Máster Oficial en Arquitectura y patrimonio histórico

**City degree awarding entity:** Seville, Andalusia, Spain

**Degree awarding entity:** Escuela Técnica Superior de Arquitectura de Sevilla

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**Date of qualification:** 2012

**Obtained qualification:** 7,83



**2 Type of education: Masters****Postgraduate qualification:** Máster Propio en Patología de la edificación**City degree awarding entity:** Madrid, Community of Madrid, Spain**Degree awarding entity:** Universidad Politécnica de Madrid **Type of entity:** University Centres and Structures and Associated Bodies**Faculty, institute or centre:** Universidad Politécnica de Madrid**Date of qualification:** 2011**Obtained qualification:** 9,5**3 Type of education: Postgraduate****Postgraduate qualification:** Curso de Especialización en Actividad Pericial y Gestión en la Rehabilitación**City degree awarding entity:** Madrid, Community of Madrid, Spain**Degree awarding entity:** Universidad Politécnica de Madrid **Type of entity:** University Centres and Structures and Associated Bodies**Faculty, institute or centre:** Universidad Politécnica de Madrid**Date of qualification:** 2011**Obtained qualification:** 9**Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)****1 Training title:** Taller de iniciación a la redacción y gestión de proyectos europeos en el ámbito de la cultura y la gestión del patrimonio cultural**Awarding entity:** Instituto Andaluz del Patrimonio Histórico**Type of entity:** R&D Centre**End date:** 14/06/2019**Duration in hours:** 20 hours**2 Type of training:** Course**Training title:** Joint Workshop WG 2 & WG 4: Exploring the interplay between Human Learning and Machine Learning – The Citizen Science Perspective. Funded by COST Action CA15212 and JRC Seville**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** COST Action CA15212 and JRC Seville**Type of entity:** R&D Centre**End date:** 12/04/2019**Duration in hours:** 16 hours**3 Type of training:** Practical work**Training title:** COST training school on Digital transformation in Citizen Science and Social Innovation**Awarding entity:** European Cooperation of Science and Technology - COST-e**End date:** 12/04/2019**Duration in hours:** 40 hours**4 Type of training:** Course**Training title:** English for research: articles, presentations and disseminations of research results. C1**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Universidad de Sevilla**Type of entity:** University**End date:** 26/11/2018**Duration in hours:** 12 hours**5 Type of training:** Course**Training title:** Workshop Finding the Way through Historical Data. The use of GIS on historical databases**City awarding entity:** Lisbon, Lisboa, Portugal**Awarding entity:** FCSH Nova Lisboa**Type of entity:** University Centres and Structures and Associated Bodies



**Aims of the entity:** transference of knowledge, european research network

**End date:** 26/06/2018

**Duration in hours:** 16 hours

**6 Type of training:** Course

**Training title:** Curso Researchers Benefit Citing Data Certificate

**Awarding entity:** Research Academy Elsevier

**End date:** 08/03/2018

**Duration in hours:** 8 hours

**7 Type of training:** Course

**Training title:** How to prepare your manuscript

**Awarding entity:** Research Academy Elsevier

**End date:** 08/03/2018

**Duration in hours:** 8 hours

**8 Type of training:** Course

**Training title:** Successful research grant applications - getting it right

**Awarding entity:** Research Academy Elsevier

**End date:** 05/03/2018

**Duration in hours:** 8 hours

**9 Type of training:** Course

**Training title:** La aplicación de los Sistemas de Información Geográfica a la Investigación en Humanidades

**City awarding entity:** Granada, Andalusia, Spain

**Awarding entity:** Fundation for Science and Technology (Portugal) and University of Granada

**Type of entity:** University Centres and Structures and Associated Bodies

**End date:** 13/12/2017

**Duration in hours:** 16 hours

**10 Type of training:** Course

**Training title:** Curso Everything you always wanted to know about Research Data Management, but were afraid to ask

**City awarding entity:** Amsterdam, Holland

**Awarding entity:** Vrije Universiteit Amsterdam.  
Department of Computer Science

**Type of entity:** University

**End date:** 16/11/2017

**Duration in hours:** 4 hours

**11 Type of training:** Course

**Training title:** Curso How to publish a world class paper: the social sciences & humanities edition

**Awarding entity:** Vrije Universiteit Amsterdam.  
Department of Computer Science

**Type of entity:** University

**End date:** 14/11/2017

**Duration in hours:** 4 hours

**12 Type of training:** Practical work

**Training title:** COST Arkwork Training school on studying archaeological fieldwork, knowledge, production, and Digital Environment

**Awarding entity:** European Cooperation of Science and Technology - COST-e

**End date:** 10/11/2017

**Duration in hours:** 75 hours

**13 Type of training:** Practical work

**Training title:** GIS in Humanities. Summer School Course. Lancaster University

**City awarding entity:** Lancaster, United Kingdom

**Awarding entity:** Lancaster University. Management School

**Type of entity:** University

**End date:** 30/06/2017

**Duration in hours:** 32 hours



- 14** **Type of training:** Course  
**Training title:** Acreditación ANECA 2017. Nuevos criterios e indicios de calidad de las publicaciones científicas  
**City awarding entity:** Seville, Andalusia, Spain  
**Awarding entity:** Universidad de Sevilla. Instituto de Ciencias de la Educación  
**End date:** 17/02/2017  
**Type of entity:** University Centres and Structures and Associated Bodies  
**Duration in hours:** 3 hours
- 15** **Type of training:** Course  
**Training title:** Systems thinking and practice  
**City awarding entity:** United Kingdom  
**Awarding entity:** The Open University  
**End date:** 29/01/2017  
**Duration in hours:** 16 hours
- 16** **Type of training:** Practical work  
**Training title:** Project Curator  
**City awarding entity:** San Sebastián, Basque Country, Spain  
**Awarding entity:** Tabakalera Centro Internacional de Cultura Contemporánea - San Sebastián  
**End date:** 24/06/2016  
**Duration in hours:** 28 hours
- 17** **Type of training:** Practical work  
**Training title:** COST action TD1406 Training School. Innovation in Intelligent management of heritage buildings  
**City awarding entity:** Aguilar del Capoo, Castile and León, Spain  
**Awarding entity:** Centro Tecnológico del Patrimonio. Fundación santa María la Real  
**End date:** 29/01/2016  
**Duration in hours:** 75 hours
- 18** **Type of training:** Course  
**Training title:** Horizonte 2020. FASE II  
**City awarding entity:** Sevilla, Andalusia, Spain  
**Awarding entity:** Universidad de Sevilla. Instituto de Ciencias de la Educación  
**End date:** 10/07/2015  
**Type of entity:** University Centres and Structures and Associated Bodies  
**Duration in hours:** 8 hours
- 19** **Type of training:** Course  
**Training title:** Innovación en el diseño arquitectónico con BIM REVIT 2015.  
**City awarding entity:** Seville, Andalusia, Spain  
**Awarding entity:** Universidad de Sevilla. Instituto de Ciencias de la Educación  
**End date:** 25/06/2015  
**Type of entity:** University Centres and Structures and Associated Bodies  
**Duration in hours:** 30 hours
- 20** **Type of training:** Practical work  
**Training title:** Sistemas de información geográfica SIG para la Arquitectura.  
**City awarding entity:** Sevilla, Andalusia, Spain  
**Awarding entity:** Universidad de Sevilla. Instituto de Ciencias de la Educación  
**End date:** 13/05/2015  
**Type of entity:** University Centres and Structures and Associated Bodies  
**Duration in hours:** 16 hours
- 21** **Type of training:** Course  
**Training title:** Aplicación de los Sistemas de Información Geográfica a las Ciencias Sociales  
**City awarding entity:** Sevilla, Andalusia, Spain  
**Awarding entity:** Universidad de Sevilla  
**Type of entity:** University

**End date:** 23/10/2014**Duration in hours:** 30 hours**22 Type of training:** Course**Training title:** Taller de Paisaje Cultural I. Lectura Patrimonial del paisaje: concepto y caracterización**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Instituto Andaluz de Patrimonio Histórico**End date:** 12/04/2013**Duration in hours:** 30 hours**23 Type of training:** Course**Training title:** Curso-taller de creación de apps para museos y sitios patrimoniales**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Instituto Andaluz de Patrimonio Histórico**End date:** 13/03/2013**Duration in hours:** 21 hours**24 Type of training:** Course**Training title:** GVSIG: Simulaciones de casos reales**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Universidad de Sevilla**End date:** 05/02/2013**Type of entity:** University**Duration in hours:** 30 hours**25 Type of training:** Course**Training title:** Turismo y Patrimonio Industrial**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Universidad Pablo de Olavide**Aims of the entity:** Teaching, Transfer of Knowledge**End date:** 06/07/2012**Type of entity:** University**Duration in hours:** 30 hours**26 Type of training:** Practical work**Training title:** Taller de Tecnologías de Habitabilidad Básica para agentes de la cooperación al desarrollo**City awarding entity:** Seville, Andalusia, Spain**Awarding entity:** Agencia Andaluza de Cooperación Internacional para el Desarrollo**Aims of the entity:** Transference of knowledge - low cost techniques of construction**End date:** 16/06/2011**Type of entity:** State agency**Duration in hours:** 76 hours**Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching****1 Title of course/seminar:** SIG avanzado. Aplicaciones para la planificación del territorio**Organising entity:** Universidad Politécnica de Madrid**Type of entity:** University Centres and Structures and Associated Bodies**Faculty, institute or centre:** Politécnica de Madrid**Duration in hours:** 40 hours**End date:** 04/05/2018**2 Title of course/seminar:** The English Workshop III**City organizing entity:** Seville, Andalusia, Spain**Organising entity:** Instituto de Ciencias de la Educación. Universidad de Sevilla.**Type of entity:** University Centres and Structures and Associated Bodies**Duration in hours:** 24 hours

**Start-End date:** 02/03/2015 - 29/06/2015**3 Title of course/seminar:** Curso Nuevas herramientas en las enseñanzas técnicas en las ramas de ingeniería de edificación: pensamiento creativo**City organizing entity:** Seville, Andalusia, Spain**Organising entity:** Universidad de Sevilla**Type of entity:** University Centres and Structures and Associated Bodies**Duration in hours:** 16 hours**Start-End date:** 26/11/2014 - 28/11/2014**Length:** 3 days**4 Title of course/seminar:** Curso BIM e interoperabilidad de ARCHICAD**City organizing entity:** Seville, Andalusia, Spain**Organising entity:** Universidad de Sevilla**Type of entity:** University Centres and Structures and Associated Bodies**Duration in hours:** 21 hours**Start-End date:** 14/10/2014 - 30/10/2014**5 Title of course/seminar:** Nuevos Patrimonios, Nuevas estrategias, Nuevas Necesidades Formativas**City organizing entity:** Seville, Andalusia, Spain**Organising entity:** Centro de Formación Permanente. Universidad de Sevilla**Type of entity:** University Centres and Structures and Associated Bodies**Duration in hours:** 21 hours**End date:** 03/06/2013**Length:** 5 days

## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
Portuguese	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

## Teaching experience

### General teaching experience

**1 Name of the course:** Doctorate in Architecture**University degree:** PhD in Architecture**Start date:** 11/05/2018**End date:** 31/07/2018**End date:** 31/07/2018**Entity:** Universidad de Lisboa**Type of entity:** University**Faculty, institute or centre:** Instituto Superior Técnico**City of entity:** Lisbon, Portugal**Subject language:** Portuguese**2 Type of teaching:** Official teaching**Name of the course:** Dibujo y Máquina 201718**Type of programme:** Architecture**Type of teaching:** Practical work (classroom-problems)**Type of subject:** Optional



**University degree:** Grado en Fundamentos de Arquitectura

**Course given:** 5

**Start date:** 20/09/2017

**End date:** 04/06/2018

**End date:** 04/06/2018

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 12

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Sevilla, Andalusia, Spain

**Subject language:** Spanish

**3 Type of teaching:** Unofficial teaching

**Name of the course:** Fundamentos de Fotografía y Arquitectura (II Edición)

**Type of programme:** Curso de Experto

**Type of teaching:** Practical work (classroom-problems)

**Type of subject:** Modular

**University degree:** Curso de Formación Permanente

**Start date:** 06/02/2018

**End date:** 31/05/2018

**End date:** 31/05/2018

**Entity:** Universidad de Sevilla y Universidad de Málaga. **Type of entity:** University  
Escuela Técnica Superior de Arquitectura

**Faculty, institute or centre:** Escuela Técnica Superior de Arquitectura de Sevilla y de Málaga

**City of entity:** Seville, Andalusia, Spain

**Subject language:** Spanish

**4 Type of teaching:** Unofficial teaching

**Name of the course:** Narrativa Visual (I edición)

**Type of programme:** Extensión Universitaria

**Type of teaching:** Practical work (classroom-problems)

**University degree:** Curso de Formación Permanente

**Start date:** 06/02/2018

**End date:** 09/05/2018

**End date:** 09/05/2018

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Seville, Andalusia, Spain

**Subject language:** Spanish

**5 Type of teaching:** Official teaching

**Name of the course:** Dibujo y Máquina 201617-2330064-T-EC: Grupos 982072

**Type of programme:** Architecture

**Type of teaching:** Practical work (classroom-problems)

**Type of subject:** Optional

**University degree:** Grado en Fundamentos de Arquitectura

**Course given:** 5

**Start date:** 19/09/2016

**End date:** 02/06/2017

**End date:** 02/06/2017

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 10

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Sevilla, Andalusia, Spain

**Subject language:** Spanish



- 6** **Type of teaching:** Official teaching  
**Name of the course:** Taller de Arquitectura 3 201617  
**Type of programme:** Architecture **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Obligatory  
**University degree:** Grado en Fundamentos de Arquitectura  
**Course given:** 3  
**Start date:** 19/09/2016 **End date:** 02/06/2017  
**End date:** 02/06/2017 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 26  
**Entity:** Escuela Técnica Superior de Arquitectura **Type of entity:** University Centres and Structures and Associated Bodies  
**Faculty, institute or centre:** ETSA Sevilla  
**City of entity:** Sevilla, Andalusia, Spain  
**Subject language:** Spanish
- 7** **Type of teaching:** Official teaching  
**Name of the course:** Taller de Arquitectura 4 201617  
**Type of programme:** Architecture **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Obligatory  
**University degree:** Grado en Fundamentos de Arquitectura  
**Course given:** 3  
**Start date:** 19/09/2016 **End date:** 02/06/2017  
**End date:** 02/06/2017 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 24  
**Entity:** Escuela Técnica Superior de Arquitectura **Type of entity:** University Centres and Structures and Associated Bodies  
**Faculty, institute or centre:** ETSA Sevilla  
**City of entity:** Seville, Andalusia, Spain  
**Subject language:** Spanish
- 8** **Type of teaching:** Unofficial teaching  
**Name of the course:** Curso de Experto en Fotografía y Arquitectura (I edición)  
**Type of programme:** Curso de Experto **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Modular  
**University degree:** Curso de Formación Permanente  
**Start date:** 06/06/2017 **End date:** 31/05/2017  
**End date:** 31/05/2017  
**Entity:** Universidad de Sevilla y Universidad de Málaga. **Type of entity:** University  
Escuela Técnica Superior de Arquitectura  
**Faculty, institute or centre:** Escuela Técnica Superior de Arquitectura de Sevilla y de Málaga  
**City of entity:** Seville, Andalusia, Spain  
**Subject language:** Spanish
- 9** **Type of teaching:** Unofficial teaching  
**Name of the course:** Curso Visiones Arquitectónicas de la Fotografía (II Edición)  
**Type of programme:** Curso de extensión universitaria **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Modular  
**University degree:** Curso de Formación Permanente  
**Start date:** 27/09/2016 **End date:** 13/12/2016  
**End date:** 13/12/2016  
**Entity:** Escuela Técnica Superior de Arquitectura



**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla  
**City of entity:** Seville, Andalusia, Spain  
**Subject language:** Spanish

**10 Type of teaching:** Official teaching

**Name of the course:** Dibujo y Máquina 201516-2330064-T-E1: Grupos 982072

**Type of programme:** Architecture

**Type of teaching:** Practical work (classroom-problems)

**Type of subject:** Optional

**University degree:** Grado en Fundamentos de Arquitectura

**Course given:** 5

**Start date:** 21/09/2015

**End date:** 03/06/2016

**End date:** 03/06/2016

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 10

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Seville, Andalusia, Spain

**Subject language:** Spanish

**11 Type of teaching:** Official teaching

**Name of the course:** Taller de Arquitectura 4 201516

**Type of programme:** Architecture

**Type of teaching:** Practical work (classroom-problems)

**Type of subject:** Obligatory

**University degree:** Grado en Fundamentos de Arquitectura

**Course given:** 3

**Start date:** 21/09/2015

**End date:** 03/06/2016

**End date:** 03/06/2016

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 24

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Seville, Andalusia, Spain

**Subject language:** Spanish

**12 Type of teaching:** Unofficial teaching

**Name of the course:** Curso Visiones Arquitectónicas de la Fotografía (I Edición)

**Type of programme:** Curso extensión universitaria

**Type of teaching:** Practical work (classroom-problems)

**Type of subject:** Modular

**University degree:** Curso de Formación Permanente

**Course given:** 2015/2016

**Start date:** 09/02/2016

**End date:** 03/05/2016

**End date:** 03/05/2016

**Entity:** Escuela Técnica Superior de Arquitectura

**Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** ETSA Sevilla

**City of entity:** Seville, Andalusia, Spain

**Subject language:** Spanish





- 13** **Type of teaching:** Official teaching  
**Name of the course:** Dibujo y Maquina 201415  
**Type of programme:** Architecture **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Optional  
**University degree:** Grado en Fundamentos de Arquitectura  
**Course given:** 5  
**Start date:** 22/09/2014 **End date:** 05/06/2015  
**End date:** 05/06/2015 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 16  
**Entity:** Escuela Técnica Superior de Arquitectura **Type of entity:** University Centres and Structures and Associated Bodies  
**Faculty, institute or centre:** ETSA Sevilla  
**City of entity:** Seville, Andalusia, Spain  
**Subject language:** Spanish
- 14** **Type of teaching:** International teaching  
**Name of the course:** Workshop  
**Type of programme:** Expert course **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Optional  
**University degree:** Ciencias Sociales y Humanas  
**Start date:** 01/10/2019  
**End date:** 10/10/2019 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 16  
**Entity:** Universidad NOVA de Lisboa **Type of entity:** University  
**Faculty, institute or centre:** Faculdade de Ciências Sociais e humanas  
**City of entity:** Lisbon, Portugal
- 15** **Type of teaching:** Official teaching  
**Name of the course:** Máster Universitario en Humanidades Digitales  
**Type of programme:** Master's degree **Type of teaching:** Virtual  
**University degree:** Máster  
**Start date:** 02/09/2019  
**End date:** 15/10/2020 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 6  
**Entity:** Universidad Internacional de La Rioja **Type of entity:** University  
**City of entity:** La Rioja, Spain  
**Subject language:** Spanish
- 16** **Type of teaching:** International teaching  
**Name of the course:** Instituto de Historia Contemporânea. Laboratorio de Humanidades Digitais  
**Type of programme:** Doctorate **Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Doctorate  
**University degree:** PhD  
**Start date:** 01/04/2019  
**End date:** 31/05/2019  
**Entity:** Faculdade de Ciencias Sociales e Humanas. NOVA Lisboa **Type of entity:** University  
**Faculty, institute or centre:** Faculty  
**City of entity:** Lisbon, Lisboa, Portugal



## Educational or pedagogical publications, books, articles, etc.

- 1** Manuel Castellano-Román; Roque Angulo-Fornos; Patricia Ferreira-Lopes; Francisco Pinto-Puerto. Drawing and machine: the application of the digital in architecture and urbanism. IDA'18. VI Jornadas sobre Innovación Docente en Arquitectura. 6, pp. 187 - 198. Catalonia (Spain): Universitat Politècnica de Catalunya, 2018. Available on-line at: <<https://upcommons.upc.edu/handle/2117/124479>>. ISSN 2462-571X  
**Name of the materials:** Chapter of Book  
**Date of drafting:** 16/11/2018  
**Format:** Chapters of books  
**Position of signature:** 3  
**Degree of contribution:** Author or co-author of chapter in book  
**Corresponding author:** Yes  
**DOI:** 10.5821/jida.2018.5465  
**Justification of material:** Publication related to the teaching experience developed in the subject - Drawing and Machine (Dibujo y Máquina) - at ETSA Seville.
- 2** F. Pinto Puerto; R. Angulo Fornos; M. Castellano Román; J. A. Alba Dorado; Patricia Ferreira Lopes. Using BIM and GIS to Research and Teach Architecture. Architectural Draughtsmanship. 1, pp. 699 - 711. (Switzerland): Springer International Publishing AG, 27/09/2017. ISBN 978-3-319-58856-8  
**Name of the materials:** Chapter of Book  
**Date of drafting:** 27/09/2017  
**Format:** Chapters of books  
**Position of signature:** 5  
**Degree of contribution:** Author or co-author of chapter in book  
**Corresponding author:** No  
**DOI:** 10.1007/978-3-319-58856-8\_55  
**Justification of material:** Publication related to the teaching experience developed in the first two years of the subject - Drawing and Machine (Dibujo y Máquina) - at ETSA Seville.
- 3** Patricia Ferreira Lopes. Introducción al SIG. 16/01/2017.  
**Name of the materials:** Manual Introducción SIG aplicado a arquitectura y urbanismo  
**Target group profile:** Manual de introducción de los Sistemas de Información geográfica para alumnos de la ETSA de Arquitectura. El manual hace parte del contenido docente en la asignatura de Dibujo y Maquina.  
**Date of drafting:** 16/01/2017  
**Corresponding author:** Yes  
**Justification of material:** Publication developed for teaching material. It describes the introduction and the principal characteristics of GIS applied in the field of Architecture.
- 4** Francisco Pinto Puerto; Roque Angulo Fornos; Manuel Castellano Román; J.A. Alba Dorado; Patricia Ferreira Lopes. El uso del BIM y del SIG en la enseñanza e investigación de la Arquitectura. El Arquitecto, de La Tradición al Siglo XXI. Docencia e investigación en Expresión Gráfica Arquitectónica. 2, pp. 507 - 514. Community of Madrid (Spain): Fundación General de la Universidad de Alcalá, 2016. Available on-line at: <[https://drive.google.com/file/d/1hQYu\\_7FFkVjLatM-QAIWII7kmXPesdii/view](https://drive.google.com/file/d/1hQYu_7FFkVjLatM-QAIWII7kmXPesdii/view)>. ISBN 978-84-88754-39-4  
**Name of the materials:** Chapter of Book  
**Target group profile:** Teachers and Researcher  
**Format:** Chapters of books  
**Position of signature:** 5  
**Degree of contribution:** Author or co-author of chapter in book  
**Corresponding author:** No



**Justification of material:** Publication related to the teaching experience developed in the first two years of the subject - Drawing and Machine (Dibujo y Máquina) - at ETSA Seville. This is the spanish version of the publication "Using BIM and GIS to Research and Teach Architecture".

## Participation in conferences with talks focused on teacher training

- 1 Name of the event:** I Baltic Conference on the environmental Humanities and Social Sciences  
**Type of event:** Conference  
**City of event:** Riga, Latvia  
**Date of presentation:** 08/10/2018  
**Organising entity:** Academic Center for Natural Sciences, Latvian University, Riga, Latvia  
**City organizing entity:** Riga, Letonia, Latvija, Latvia
- 2 Name of the event:** I Jornadas del Ciclo Agua, Paisaje y Ciudadanía  
**Type of participation:** attended  
**City of event:** Seville, Andalusia, Spain  
**Date of presentation:** 22/03/2017  
**Organising entity:** Ayuntamiento de Sevilla, Universidad de Sevilla, Universidad Internacional de Andalucía, Junta de Andalucía, Andalucía Tech, etc  
**City organizing entity:** Sevilla, Andalusia, Spain
- 3 Name of the event:** Foro BIM Sevilla 2014  
**Type of event:** Seminar  
**Type of participation:** attended  
**City of event:** Sevilla, Andalusia, Spain  
**Date of presentation:** 09/12/2014  
**Organising entity:** Escuela Técnica Superior de Ingeniería de Edificación  
**City organizing entity:** Sevilla, Andalusia, Spain
- 4 Name of the event:** Del Urbanismo a la Ciudadanía  
**Type of event:** Seminar  
**Type of participation:** attended  
**City of event:** Sevilla, Andalusia, Spain  
**Date of presentation:** 09/10/2013  
**Organising entity:** Consejería de Vivienda y Fomento, **Type of entity:** State agency  
La Ciudad Viva  
**City organizing entity:** Sevilla, Andalusia, Spain
- 5 Name of the event:** Hormigón y Sostenibilidad  
**Type of event:** Seminar  
**Type of participation:** attended  
**City of event:** Sevilla, Spain  
**Date of presentation:** 13/04/2011  
**Organising entity:** Escuela Técnica Superior de Arquitectura  
**City organizing entity:** Seville, Andalusia, Spain
- 6 Name of the event:** Jornadas de Intercambio entre Universidades. Universidad de Sevilla y Universidad Estadual de Campinas  
**Type of participation:** Organizational - Scientific and organizing committee  
**Date of presentation:** 24/09/2018



**Organising entity:** Escuela Técnica Superior de Arquitectura

**City organizing entity:** Sevilla, Andalusia, Spain

**Type of entity:** University Centres and Structures and Associated Bodies

## Other activities/achievements not included above

- Description of the activity:** Ayudante de cátedra de graduación del curso de Arquitectura y Urbanismo. Asignatura Arquitectura y Urbanismo 6, 240hs

**Identify key words:** Academic architecture

**City of activity:** Recife, Brazil

**Organising entity:** Universidad Federal de Pernambuco **Type of entity:** University

**End date:** 19/12/2008
- Description of the activity:** Ayudante de cátedra de graduación del curso de Arquitectura y Urbanismo. Detalles del proyecto Arquitectónico, 240hs

**Identify key words:** Academic architecture

**City of activity:** Recife, Brazil

**Organising entity:** Universidad Federal de Pernambuco **Type of entity:** University

**End date:** 31/07/2007

## Scientific and technological experience

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- Name of the project:** Tutela sostenible del Patrimonio Cultural a través de modelos digitales BIM y SIG. Contribución al conocimiento e innovación social.

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Sevilla **Type of entity:** University

**City of entity:** Seville, Andalusia, Spain

**Name principal investigator (PI, Co-PI....):** Francisco Pinto Puerto

**Nº of researchers:** 25

**Funding entity or bodies:** Ministerio de Economía y Competitividad

**Code according to the funding entity:** HAR2016-78113-R

**Start-End date:** 30/12/2016 - 29/11/2019 **Duration:** 1094 days

**Total amount:** 49.005 €

**Relevant results:** Ferreira Lopes, P., Pinto Puerto, F. (2018). GIS and graph models for social, temporal and spatial digital analysis in heritage: The case-study of ancient Kingdom of Seville late gothic production. En: Digital Applications in Archaeology and Cultural Heritage. 9: 1-14. DOI: 10.1016/j.daach.2018.e00074

**Applicant's contribution:** Development of a GIS and Graph Models to study the late gothic architecture production and artistic transfer.



- 2** **Name of the project:** DOCOGOTHIC. Red para la documentación de la construcción tardogótica hispánica  
**Type of project:** Research and development, including transfer  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad Politécnica de Madrid  
**Type of entity:** University  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** Enrique Rabaza Diaz  
**Nº of researchers:** 30  
**Type of participation:** collaboration  
**Code according to the funding entity:** BIA2015-70906-REDT  
**Start-End date:** 01/12/2015 - 30/11/2017  
**Duration:** 2 years  
**Total amount:** 20.000 €  
**Relevant results:** Digital database. <http://vaultsconstruction.com/sobre-nosotros/>  
**Dedication regime:** Part time  
**Applicant's contribution:** Study Late Gothic Vaults construction techniques in the old kingdom of Seville. As a member of the project, in 2016 I was invited as a key speaker in the Obra Congrua Conference - Girona.
- 3** **Name of the project:** DARIAH eu Pan-european infrastructure for arts and humanities scholars working with computational methods  
**Entity where project took place:** Trinity College Dublin  
**City of entity:** Dublin, Ireland  
**Start date:** 01/10/2018  
**Applicant's contribution:** Collaboration with the project DARIAH-eu in the development of the session/roundtable <GeoHumanities> in the I BalteHums Conference (Riga, 2018).
- 4** **Name of the project:** Modelos digitales SIG y BIM para el Complejo Histórico de Sintra  
**Entity where project took place:** Instituto Superior Técnico de Lisboa  
**Type of entity:** University Centres and Structures and Associated Bodies  
**City of entity:** Lisboa, Lisboa, Portugal  
**Name principal investigator (PI, Co-PI....):** Ana Paula Filipe Tomé  
**Nº of researchers:** 20  
**Start date:** 01/03/2018  
**Applicant's contribution:** Development of a GIS model to register, manage and study pathologies in the Moros castle of Sintra.
- 5** **Name of the project:** Diego de Riaño, Diego Siloe y la Transición del Gótico al Renacimiento en España. Arquitectura y Ciudad: Técnica, Lenguaje y Concepción Espacial  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Sevilla  
**Type of entity:** University  
**City of entity:** Seville, Andalusia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Clemente Rodríguez Estévez; Antonio Luis Ampliato Briones  
**Nº of researchers:** 16  
**Funding entity or bodies:** Ministerio de Economía y Competitividad  
**Code according to the funding entity:** HAR2016-76371-P  
**Start date:** 30/12/2016  
**Duration:** 1094 days  
**Total amount:** 50.820 €



**Applicant's contribution:** Registration and data-mining of the production of Diego de Riaño and Diego de Siloé in an objected oriented database.

**6 Name of the project:** Un Modelo Digital de Información para el conocimiento y gestión de bienes inmuebles del patrimonio cultural

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Sevilla      **Type of entity:** University

**City of entity:** Seville, Andalusia, Spain

**Name principal investigator (PI, Co-PI...):** Francisco Pinto Puerto

**Nº of researchers:** 12

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**Code according to the funding entity:** HAR2012-34571

**Start date:** 01/01/2013

**Duration:** 1275 days

**Total amount:** 14.040 €

**Relevant results:** Ferreira Lopes, P., Pinto Puerto, F. (2015). Application of a Schema to Late Gothic Heritage: Creating a Digital Model for a Spatio-temporal Study in Andalusia. En: WIT Transactions on The Built Environment. 153: 29-39. DOI:10.2495/Str150031

**Applicant's contribution:** All the results of my PhD thesis and also the implementation of a new subject in the Architecture grade of ETSA Seville - Drawing and Machine (Dibujo y Máquina).

## Supervised artistic projects

**1 Description:** As a final result of the Visual Narrative was a photographic exhibition of the students' production at the ETSA Seville. Exhibition curated by Patricia Ferreira Lopes y Concha Guerra Sarabia.

**Name of the exhibition:** Visual Narrative (I edition)

**Authors (by signature order):** Ferreira Lopes, Patricia; Guerra Sarabia, Concha

**Start date:** 08/05/2018

**Others:** [https://patriciaferreiralopes.com/2018/05/16/exposicion-fotografica-del-curso-narrativa-visual\\_etsa-sevilla/](https://patriciaferreiralopes.com/2018/05/16/exposicion-fotografica-del-curso-narrativa-visual_etsa-sevilla/)

**2 Description:** As a final result of the Course of Architectural Visions of the Photography I edition, a photographic exhibition of the students' production was held in the Espacio RompeMoldes in Seville. Exhibition curated by Patricia Ferreira Lopes and Miriam Lousame

**Name of the exhibition:** Visiones Arquitectónica - Espacio RompeMoldes

**Authors (by signature order):** Patricia Wanderley Ferreira Lopes; Miriam Lousame

**City activity:** Sevilla, Andalusia, Spain

**Start date:** 04/05/2016

**Others:** <https://imcoar.wordpress.com/2016/05/03/exposicion-fin-de-curso-visiones-arquitectonicas-de-la-fotografias-en-el-espacio-rompemoldes/>

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** Patricia Ferreira-Lopes. A Data-Driven Approach For Architectural History knowledge. Capturing buildings' construction events for historical research collaboration. Journal on Computing and Cultural Heritage. ACM digital publisher, 2019. ISSN 1556-4673

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** SCOPUS

**Category:** Conservation (Q1)

**Impact index in year of publication:** SJR 0,43

**Relevant publication:** Yes

- 2** Patricia Ferreira Lopes. Achieving the state of research pertaining to GIS applications for cultural heritage by a systematic literature review. ISPRS Photogrammetry and Remote Sensing. XLII-4, pp. 169 - 175. Amsterdam(Holland): Elsevier BV, 2018. Available on-line at: <<https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4/>>. ISSN 15740846

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 1

**Corresponding author:** Yes

**Impact source:** SCOPUS

**Category:** Computer Science

**Impact index in year of publication:** 0,32

**Journal in the top 25%:** Yes

**Position of publication:** 1.106

**No. of journals in the cat.:** 7.191

**Relevant results:** During the last decade, we have witnessed an increased interest in Geographic Information Systems (GIS), including the so-called "Historical GIS", 3D GIS heritage and its subcategory of "SDI for cultural heritage". Specific literature reviews, gathering and analysing the scientific production for Culture Heritage and GIS based research questions, are currently lacking. Therefore, the overall goal of this article is to provide an objective summary of the current state-of-the-art concerning how GIS has been used and what methods and analysis have been applied in the field of cultural heritage. In this sense, a Systematic Literature Review (SLR) of the literature on the application of GIS in cultural heritage is carried out. To do so, the WOS and Scopus databases were considered. The results show that the dominant application of GIS is in the realisation of inventory and cataloguing of archaeological and architectural heritage. As a result of the quantitative analysis, we also verify the principal sources in which most studies have been published, highlighting the "ISPRS Archives" with 14 publications, the "Lecture Notes in Computer Science" with 9, and "Proceedings of Digital Heritage" with 6 publications. These data show that the sources that most publish mainly belong to the field of IT and Computer Science. In addition, the SLR shows that in the last three years there has been a greater tendency to use GIS to solve more specific problems of heritage through its use in conjunction with other tools such as BIM and photogrammetry.

**Relevant publication:** Yes

- 3** Patricia Ferreira Lopes; Francisco Pinto Puerto. GIS and graph models for social, temporal and spatial digital analysis in heritage: The case-study of ancient Kingdom of Seville late gothic production. Digital Applications in Archaeology and Cultural Heritage. 9, pp. 1 - 14. (Holland): Elsevier, 2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2212054817300553>>. ISSN 2212-0548

**DOI:** 10.1016/j.daach.2018.e00074

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** SCOPUS

**Impact index in year of publication:** 0,412

**Position of publication:** 53

**Impact source:** CIRC

**Impact index in year of publication:** A

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Archaeology (Arts&Humanities) Q1

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 289

**Category:** Ciencias Humanas

**Relevant results:** This article describes the development of a database management system (DBMS), to use as the basis for a dynamic spatial model or historical geographic information system (HGIS), and an abstract-relational model or dynamic graph model to allow historians and architects to visualise and analyse the complexity of built heritage on a territorial scale. Reutilisation, interoperability, standard terminology and usability were all taken into account in the development of the models. The database was developed within the framework of the International Late Gothic Network and involved an interdisciplinary team of architects, historians, geographers and computer scientists to ensure maximum adaptability of the methodology to other case studies. The result is a DBMS, a GIS model and a graph model, which we hope will provide useful tools for understanding, analysing and disseminating heritage.

**Relevant publication:** Yes

- 4 Patricia Ferreira Lopes; Juan Francisco Molina Rozalem. Historical SDI, thematic maps and analysis of a complex network of medieval towers (13th-15th century) in the Moorish Strip. ISPRS Photogrammetry and Remote Sensing. Volume XLII-4, pp. 177 - 183. Amsterdam(Holland): Elsevier BV, 2018. Available on-line at: <<https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4/>>. ISSN 15740846

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** SCOPUS

**Impact index in year of publication:** 0,32

**Position of publication:** 1.106

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Computer Science

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 7.191

**Relevant results:** This work is part of an investigation into the use of GIS for the documentation and comprehension of medieval architectural heritage in the ancient Kingdom of Seville. The research was done in the framework of the project "Sustainable guardianship of cultural heritage through digital BIM and GIS models: contribution to knowledge and social innovation", an interdisciplinary project focused on the applications of information technology in architectural heritage in Spain. The study case of this paper is located in the Guadalquivir valley during the period between 13th and 15th centuries. It concerns the Moorish Strip site, fortified by the Christian Kingdom of Castile with the aim of creating a barrier with the Moorish Kingdom. Its deteriorated state has led us to create a historical and spatial database in order to contribute to its conservation management plan. Apart from the historical documentation research and the data gathering, intensive fieldwork was also done to collect information about the buildings. In this paper we present a Historical SDI to investigate the hypothesis that the spatial patterns of the Moorish Band obey rules of "inter-visibility" control. Some analysis has been done on the site scale, such as: i) a thematic map of building material; ii) a spatiotemporal analysis; iii) the density of the distribution of towers over the territory; iv) a simulation of the territory visibility from the towers; v) the inter-visibility among towers; iv) thematic maps using attribute values. These analyses permitted us to highlight the need to create a preservation plan that should consider the network visibility system as an important value for heritage interpretation and knowledge. The study's principal aim has been to understand the visual communication questions between the towers and to check the zones of most visual control via GIS to verify previous studies mainly carried out by historians. Likewise, the GIS application has made it possible to generate new questions and possible future research lines, such as the zones which, suspiciously, have very little visual control. This may indicate the areas of location of possible towers that have not yet been discovered. The application of GIS and the analyses carried out show the validity of the use of this tool for the knowledge and understanding of historic, architectural and cultural questions/ topics.

**Relevant publication:** Yes



- 5** Patricia Ferreira-Lopes. La transformación del proceso de investigación en Historia de la Arquitectura con el uso de las tecnologías digitales. *Artnodes. Journal on art, science and technology*. 22, pp. 61 - 72. Barcelona, Catalonia(Spain): Universitat Oberta de Catalunya, 2018. Available on-line at: <<http://dx.doi.org/10.7238/a.v0i22.3218>>. ISSN 1695-5951

**DOI:** 10.7238/a.v0i22.3218

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 1

**Impact source:** SCOPUS

**Impact index in year of publication:** 0.1

**Position of publication:** 370

**Impact source:** CIRC

**Impact index in year of publication:** A

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee

**Corresponding author:** Yes

**Category:** Visual Arts and Performing Arts Q4

**Journal in the top 25%:** No

**No. of journals in the cat.:** 456

**Category:** Ciencias Humanidades

**Relevant results:** In recent decades, the use of digital technologies not only has transformed the way in which research on architectural heritage is conducted, but it has also expanded the possibilities of generating ever more interdisciplinary projects. The increase of the range of open tools, with more functional and user-friendly interfaces, has made possible to identify and visualise previously invisible evidence, synthesise and map temporal information and combine data from heterogeneous sources to generate new data and hypotheses. They have also provided a stimulating setting for raising questions on buildings, cities and territory, as well as the agents interacting with them. The aim of this article is to demonstrate the change, during the process and the practice, of research on history of architecture with the use of digital technologies. To do so, we address a number of issues such as objectivism/subjectivism, data usability, project flexibility, data sustainability and technology training and learning. Finally, after providing an example of how digital technologies can be applied to history of architecture research, we present some strategies, reflections and future lines to be pursued. These point towards the suitability of technologies as new research tools which open possible new pathways for disciplinary collaboration, progress in analytical methods and future reflections on managing the data created.

**Relevant publication:** Yes

- 6** Patricia Ferreira Lopes; Francisco Pinto Puerto. Application of a Schema to Late Gothic Heritage: Creating a Digital Model for a Spatio-temporal Study in Andalusia. *WIT Transactions on The Built Environment*. 153, pp. 29 - 39. (United Kingdom): WITPress, 2015. Available on-line at: <<http://www.witpress.com/elibary/wit-transactions-on-the-built-environment/153>>. ISBN 978-1-84564-968-5

**DOI:** 10.2495/STR150031

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** SCOPUS

**Impact index in year of publication:** 0,126

**Impact source:** CIRC

**Impact index in year of publication:** A

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Engineering

**Category:** Ciencias Humanas

**Relevant results:** Late Gothic architecture was produced during the late 15th and early 16th centuries in a “supranational” European context in which the rich interaction of professionals created a map of exchange with a significant impact on the territory. This historical period can therefore be viewed as a complex system shaped by the activities of various actors and phenomena. Our methodology includes geographical analysis and visualisations of historical data – geolocalised primary sources – and allows us to generate new hypotheses and interpretations about this historical period. This project proposes a new perspective for studying transit in Andalusia during the Modern Era, based on the creation of a digital model of Late Gothic heritage using the spatial data infrastructure currently being generated by the International Late Gothic Network ([www.tardogotico.es](http://www.tardogotico.es)). Our research examines

four geohistorical elements – roads, fluxes, buildings and professionals – and uses a methodology that may have applications in the future for many fields of heritage research and management. This paper presents the initial results of this innovative way of researching cultural heritage.

**Relevant publication:** Yes

- 7** Patricia Ferreira Lopes. La producción del sistema ferroviario. Hacia una IDE histórica del patrimonio ferroviario de Andalucía. Virtual Archeology Review. 13, pp. 39 - 48. Valencia, Andalusia(Spain): Universidad Politécnica de Valencia, 2015. Available on-line at: <<http://polipapers.upv.es/index.php/var/index>>. ISSN 1989-9947

**DOI:** 10.4995/var.2015.4371

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 1

**Impact source:** CIRC

**Impact index in year of publication:** C

**Impact source:** SCOPUS

**Impact index in year of publication:** H 1

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Ciencias Humanas

**Category:** Arts and Humanities

**Relevant results:** The railway process (1854-1940) in Andalusia contributed to the formation of a new territorial structure. The railway, built and used, was also a means of production: business networks, flows of raw materials and people, energy technologies that shaped the land and also were shaped by it. In this sense, the railroad, produced and producer of various changes, cannot be understood without its productive forces, including knowledge and technology, the working class, the superstructure of society, the State and nether can't be separated from nature, where the topography and hydrology played important role. These factors are combined, juxtaposed, are interspersed, engage and sometimes collide, creating what might be called the " rail rhizome", a hyper complex space, intervened and shaped by a diversity of actors. This paper presents a new interpretation of the Andalusia railway heritage through the application of a Geographic Information System (GIS), which based on the historical creation of a spatial data infrastructure (SDI) of railways in Andalusia, open and expands its spatiotemporal vision.

**Relevant publication:** Yes

- 8** Patricia Ferreira-Lopes. SIG e história da arquitetura. Avanços no estudo das redes de caminhos da Península Ibérica do século XVI (in press). Digital Humanities Quaterly. The Alliance of Digital Humanities Organizations, 10/11/2019. ISSN 1938-4122

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 1

**Impact source:** Clarivate Analytics (WOS)

**Relevant results:** Paper for special edition number of DHQ journal in Portuguese. This paper shows a methodology for digitizing historical cartography. Also, it shows some spatial analysis with GIS.

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Emerging Sources Citation Index

- 9** Patricia Ferreira Lopes; Francisco Pinto Puerto. Hacia una geografía patrimonial: Nuevos mecanismos para entender y gestionar el patrimonio. Revista Internacional de Humanidades. 1 - 5, pp. 1 - 10. Common Ground Research Networks, 2017. Available on-line at: <<https://doi.org/10.18848/2474-5022/CGP/v05i01/1-10>>. ISSN 2253-6825

**DOI:** 10.18848/2474-5022/CGP/v05i01/1-10

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** Qualis-CAPES (Brasil)

**Impact index in year of publication:** B3

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** INTERDISCIPLINAR

**Impact source:** CIRC**Category:** Ciencias Humanas**Impact index in year of publication:** D

**Relevant results:** This article delineates some reflections from a geo-temporal perspective on the available technological concepts and tools, in order to identify their potential for application in the field of cultural heritage. The evolution of heritage concepts together with the use of new forms of representation and analysis in digital media allows us to obtain new perspectives about elements or phenomena that were hitherto invisible and that were influential in the territory's structuralization. This publication presents the theoretic framework of my thesis research.

- 10** Patricia Ferreira Lopes; Francisco Pinto Puerto. Creación de un modelo de información relacional de la red tardogótica. Avances, problemáticas y soluciones. Obra Congrua. Estudios sobre la construcción gótica peninsular y europea. 1, pp. 365 - 377. Madrid, Community of Madrid (Spain): Instituto Juan de Herrera, 2017. Available on-line at: <<https://drive.google.com/file/d/1iSUUM9MHqBBYLBgcdsRM18X1uqzhQK98/view>>. ISBN 978-84-9728-565-0

**Type of production:** Book chapter**Format:** Book**Position of signature:** 1**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 2**Corresponding author:** Yes**Impact source:** REBIUN**Category:** Red de Bibliotecas Universitarias Españolas**Impact index in year of publication:** 5**Impact source:** Dialnet

**Relevant results:** This paper discusses the development of new heritage interpretation's models through the application of GIS and Graph visualization - mathematical and computer models - to provide new perspectives to analyze the transformation of Andalucía's territory by considering social, political, economic, cultural evolutions and its repercussion in Architecture. Given the special period context considered, late 15th and early 16th centuries, the project used a variety of sources to relate heterogeneous historical data on different subjects in order to create a historical spatial database.

**Relevant publication:** Yes

- 11** Patricia Ferreira Lopes. Datos e imagen. La visualización como herramienta arquitectónica. ACCA 016 : análisis y comunicación contemporánea de la arquitectura = Analysis and contemporary communication of architecture. 1, pp. 144 - 159. Málaga, Andalusia (Spain): Recolectores Urbanos (RU), 2017. Available on-line at: <[https://www.researchgate.net/publication/317348592\\_Datos\\_e\\_imagen\\_La\\_visualizacion\\_como\\_herramienta\\_arquitectonica](https://www.researchgate.net/publication/317348592_Datos_e_imagen_La_visualizacion_como_herramienta_arquitectonica)>. ISBN 9788469734476

**Type of production:** Book chapter**Format:** Book**Position of signature:** 1**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 1**Corresponding author:** Yes**Impact source:** REBIUN**Impact index in year of publication:** 5**Impact source:** Scholarly Publishers Indicators**Category:** Humanities and Social Sciences**Position of publication:** 31**No. of journals in the cat.:** 104

**Relevant results:** This essay reflects and debates about the incorporation of information science in architectural research and practice through the visualization of data. Visualization uses the immense power of communication of images to explain comprehensibly something that is not perceptible directly, which we sometimes intuit and feel around us. Imagine the complex data network generated by the people themselves in a city: messages, purchases, photographs, travel, transportation, leisure activities, etc. Now imagine tools capable of relating and interpreting all that mass of data and turn them into information that properly treated takes the form of an image that explain the data. As in traditional media, these images are the result of a process. In a first phase, these data have no form or can not be understood, their initial treatment process is a mathematical process. In a second phase,

everything begins to make sense when the relationships between the data are established and what we can call "information" arises, that is, the structured organization of what at first were mere isolated alphanumeric entities incapable of being understood. In the next step of this process, which we call "visualization", an image is created capable of turning information into an abstract form whose decoding we obtain new certainties, new insights. The contributions made here are the result of my own research on these topics developed in my doctoral thesis.

**Relevant publication:** Yes

- 12** Francisco Pinto Puerto; Roque Angulo Fornos; Manuel Castellano Roman; José Antonio Alba Dorado; Patricia Ferreira Lopes. Using BIM and GIS to Research and Teach Architecture. Architectural Draughtsmanship. pp. 699 - 711. Cham(Switzerland): Springer, 2017. Available on-line at: <[https://www.researchgate.net/publication/320066326\\_Using\\_BIM\\_and\\_GIS\\_to\\_Research\\_and\\_Teach\\_Architecture](https://www.researchgate.net/publication/320066326_Using_BIM_and_GIS_to_Research_and_Teach_Architecture)>. ISBN 9783319588551  
**DOI:** 10.1007/978-3-319-58856-8\_55

**Type of production:** Book chapter

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** Scholarly Publishers Indicators

**Impact index in year of publication:** ICE 670.000

**Position of publication:** 4

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Corresponding author:** No

**Category:** Foreign publishers - Humanities and Social Sciences

**No. of journals in the cat.:** 96

**Relevant results:** This chapter describes the use of BIM and GIS in our research of architectural heritage and the experience gained from their implementation from Year 1 to Year 5 in the subjects "Drawing and Machine" and "Drawing 3, Graphical Analysis" taught in the Department of Architectural Graphical Expression of the Seville School of Architecture during the academic years 2014/2015 and 2015/2016. We propose a transition towards a teaching model that integrates analogue and digital with a gradual and coherent approach based on an understanding of architecture itself as a complex system made up of various elements and attributes, both visual and alphanumeric, which allow the "graphical" to transcend the visual and incorporate different types of information.

**Relevant publication:** Yes

- 13** Patricia Ferreira Lopes. El proceso ferroviario en Andalucía. En el espacio leemos el patrimonio. El patrimonio industrial en el contexto del Franquismo 1939-1975. pp. 95 - 100. Gijón(Spain): CICEES, 2016. Available on-line at: <[https://www.researchgate.net/publication/258120671\\_El\\_proceso\\_ferroviano\\_en\\_Andalucia\\_en\\_el\\_espacio\\_leemos\\_el\\_patrimonio](https://www.researchgate.net/publication/258120671_El_proceso_ferroviano_en_Andalucia_en_el_espacio_leemos_el_patrimonio)>. ISBN 978-84-945966-7-4

**Type of production:** Book chapter

**Position of signature:** 1

**Total no. authors:** 1

**Impact source:** REBIUN

**Impact index in year of publication:** 7

**Impact source:** Dialnet

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Category:** Red de Bibliotecas Universitarias Españolas

**Relevant results:** The railway became responsible for new ways of looking, looking from the inside out, from the window, and from the outside in, from the platform. This chapter aims to reflect on new analyzes and interpretations of the railway process in Andalusia through the technology of the Geographic Information System (GIS). It is about finding an integrating vision, explaining and visualizing in space and time the memory of the development of rail transport in the Andalusian territory.

**Relevant publication:** Yes

- 14** Francisco Pinto Puerto; Roque Angulo Fornos; Manuel Castellano Roman; Jose Antonio Alba Dorado; Patricia Ferreira Lopes. El uso del BIM y del SIG en la enseñanza e investigación de la Arquitectura. El Arquitecto, de la tradición al siglo XXI. 2, pp. 507 - 514. Alcalá de Henares(Spain):



Universidad de Alcalá de Henares, 2016. Available on-line at: <[https://www.researchgate.net/publication/299425218\\_El\\_uso\\_del\\_BIM\\_y\\_del\\_SIG\\_en\\_la\\_ensenanza\\_e\\_investigacion\\_de\\_la\\_Arquitectura](https://www.researchgate.net/publication/299425218_El_uso_del_BIM_y_del_SIG_en_la_ensenanza_e_investigacion_de_la_Arquitectura)>. ISBN 978-84-88754-40-0

**Type of production:** Book chapter

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** Scholarly Publishers Indicators in Humanities and Social Sciences

**Position of publication:** 89

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Corresponding author:** No

**Category:** Humanities and Social Sciences

**No. of journals in the cat.:** 271

**Relevant results:** This paper present the experience of using BIM and GIS in our research of architecture heritage and teaching experience gained by their implementation from the first until the second cycle grade with the subject "Drawing and Machine" taught in the School of Architecture of Seville in the Department of Architectural Graphical Expression during the course of 2014/2015. In this sense, we propose an evolution towards the model of teaching that integrates analog and digital with a gradual and coherent approach, understanding the architecture itself as a complex system that is made up of various elements and attributes, visuals and alphanumeric which make the "graphic" transcend the visual to incorporate different types of information.

**Relevant publication:** Yes

15

Patricia Ferreira Lopes. El patrimonio inmaterial de la industria el caso de la fábrica Tacaruna. Patrimonio inmaterial e intangible de la industria artefactos, objetos, saberes y memoria de la industria. 12, pp. 539 - 550. Gijón, Principality of Asturias(Spain): CICEES, 2012. Available on-line at: <[https://www.researchgate.net/publication/330292162\\_Ferreira\\_Lopes\\_P\\_2012\\_El\\_patrimonio\\_inmaterial\\_de\\_la\\_industria\\_el\\_caso\\_de\\_la\\_fabrica\\_Taca](https://www.researchgate.net/publication/330292162_Ferreira_Lopes_P_2012_El_patrimonio_inmaterial_de_la_industria_el_caso_de_la_fabrica_Taca)>. ISBN 978-84-937738-9-2

**Type of production:** Book chapter

**Position of signature:** 1

**Total no. authors:** 1

**Impact source:** REBIUN

**Impact index in year of publication:** 7

**Impact source:** Dialnet

**Relevant results:** This chapter provides an overview of the history of ancient Tacaruna textile factory, located in Recife, Brazil. The main objective is to provide an analysis of its material and immaterial legacy at local, national and international levels. Likewise, the main political and social problems faced in the various intervention projects and future possible actions are pointed out.

**Relevant publication:** Yes

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Corresponding author:** Yes

**Category:** Red de Bibliotecas Universitarias Españolas

16

Andrea Aldones; Antonio Díaz Alonso; Emilia Rosmini; Juan Pedro Segura Maya; Manuel Benitez de la Rosa; Maria Murillo Romero; Patricia Ferreira Lopes; Mónica Ruiz Roso Luna; Pilar Piriz Sousa; Rafael Serrano Sáseta. Vivo en una fábrica. Nuevos modelos de Hábitats como estrategias de recuperación de espacios industriales. Espacios industriales abandonados: Gestión del patrimonio y medio ambiente. 1 - 1, pp. 415 - 422. Gijón, Andalusia(Spain): CICEES, 2015. Available on-line at: <<http://www.revista-abaco.es/los-ojos-de-la-memoria/174-espacios-industriales-abandonados-gestion-del-patrimonio-y-medio-ambiente.html>>. ISBN 978-84-943556-1-5

**Type of production:** Book chapter

**Position of signature:** 7

**Total no. authors:** 10

**Impact source:** Dialnet

**Relevant results:** This chapter presents a research work on the reactivation of abandoned industrial spaces, through the implementation within its units of sustainable productive activity. We think of communities inspired by "life-work" lifestyles, like those of the first New York lofts, so that living inside the factory, these communities get more than to preserve and maintain these old buildings, they get back to life that they lost when they stopped being

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Corresponding author:** Yes



productive. Our research project involves an analysis of abandoned industrial buildings in the area of Andalusia, in order to select those cases that can best lend themselves to the experience. In this chapter, we present a specific case: the Hytasa in Seville, for whose interior a project of implantation of prefabricated units has been realized in order to provide residential spaces and workspaces.

**Relevant publication:** No

- 17** Patricia Ferreira Lopes; Manuel Benitez de la Rosa; Monica Roso-Luna; Antonio Díaz-Alonso. AUFI Asociación Fabricar e Investigar. Buenas prácticas en protección del patrimonio cultural y natural. 1 - 1, pp. 38 - 41. Rota, Andalusia(Spain): Grupo de Investigación S.O.S. Patrimonio (HUM-673) de la Universidad de Sevilla, 2014. Available on-line at: <<http://fama2.us.es/fba/pdf/BuenasPracticasEnProteccion.pdf>>. ISBN 978-84-606-5830-6

**Type of production:** Book chapter

**Format:** Book

**Position of signature:** 1

**Degree of contribution:** Author or co-author of chapter in book

**Total no. authors:** 4

**Corresponding author:** Yes

**Impact source:** Dialnet

**Relevant results:** This chapter presents the Asociación Fabricar e Investigar (AUFI), formed mainly by architecture students and architects, this association was born with the aim of creating a group that acquires skills in research techniques on Industrial Heritage. The changes that our world is undergoing require that the future professionals of the architecture deepen in the field of the investigation, and this heritage, of recent actuality, needs of these investigations to generate new models of recovery that manage to maintain the identity of these places. It is evident, therefore, that among our purposes is training in research tools, the dissemination of Industrial Heritage and actions, projects and reactivations on it.

**Relevant publication:** No

## Works submitted to national or international conferences

- 1** **Title of the work:** Simulating Historical Flows And Connection. The Artistic Transfer During The 15th To 16th Century In The Iberian Peninsula.

**Name of the conference:** Digital Humanities Conference 2019

**Type of event:** Conference

**Corresponding author:** Yes

**City of event:** Utrecht, Holland

**Date of event:** 08/07/2019

**End date:** 12/07/2019

**Organising entity:** Utrecht University and ADHO

**Type of entity:** University Centres and Structures and Associated Bodies

**City organizing entity:** Utrecht, Holland

**Type of contribution:** Scientific paper

Patricia Ferreira-Lopes. "Digital Humanities 2019 Conference papers". 08/07/2019. Available on-line at: <<https://dev.clariah.nl/files/dh2019/boa/0164.html>>.

- 2** **Title of the work:** Studying Seville and Lisbon in the 16th -17th centuries through space syntax.

**Name of the conference:** TechnoHeritage

**Corresponding author:** Yes

**City of event:** Seville, Andalusia, Spain

**Date of event:** 26/03/2019

**End date:** 30/03/2019

**Organising entity:** Universidad de Sevilla

**Type of entity:** University

**City organizing entity:** Sevilla, Andalusia, Spain

Patricia Ferreira-Lopes.



- 3** **Title of the work:** Drawing and machine: the application of the digital in architecture and urbanism  
**Name of the conference:** JIDA'18. VI Jornadas sobre Innovación Docente en Arquitectura  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Navara, Foral Community of Navarre, Spain  
**Date of event:** 22/11/2018  
**End date:** 23/11/2018  
**Organising entity:** Universitat Politècnica de Catalunya **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
**Publication in conference proceedings:** Yes **With external admission assessment committee:** Yes  
**Type of contribution:** Scientific paper  
Manuel Castellano-Román; Roque Angulo-Fornos; Patricia Ferreira-Lopes; Francisco Pinto-Puerto. "JIDA'18. VI Jornadas sobre Innovación Docente en Arquitectura". En: JIDA'18. VI Jornadas sobre Innovación Docente en Arquitectura. 6, pp. 187 - 198. Catalonia (Spain): Universitat Politècnica de Catalunya, 16/11/2018. Available on-line at: <<https://upcommons.upc.edu/handle/2117/124479>>. ISSN 2462-571X, ISBN 978-84-9880-722-6  
**DOI:** 10.5821/jida.2018.5465
- 4** **Title of the work:** Achieving the state of research pertaining to GIS applications for cultural heritage by a systematic literature review  
**Name of the conference:** GeoConference  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Delft, Holland  
**Date of event:** 01/10/2018  
**Organising entity:** ISPRS **Type of entity:** Foundation  
**City organizing entity:** Rotterdam, Holland  
**Type of contribution:** Scientific paper  
Patricia Ferreira Lopes.
- 5** **Title of the work:** Historical SDI, thematic maps and analysis of a complex network of medieval towers (13th-15th century) in the Moorish Strip  
**Name of the conference:** GeoConference  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Delft, Holland  
**Date of event:** 01/10/2018  
**Organising entity:** ISPRS **Type of entity:** Foundation  
Patricia Ferreira Lopes; Juan Francisco Molina Rozalem.
- 6** **Title of the work:** The industrial and urban Gamboa town in the context of the Panama Canal  
**Name of the conference:** IV Congreso Internacional sobre Patrimonio Industrial, Ciudades y Patrimonio Industrial  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Aveiro, Portugal  
**Date of event:** 28/06/2018



**End date:** 30/06/2018

**Organising entity:** TICCIH, Universidade de Aveiro **Type of entity:** University Centres and Structures and Associated Bodies

**City organizing entity:** Aveiro, Portugal

Patricia Ferreira Lopes; Caballos, Carlos Mateo; Salinas Vargas, Insly; Juárez Lorenzo, Edilberto; Villarreal Cruz, Eder. "The industrial and urban Gamboa town in the context of the Panama Canal".

**7 Title of the work:** Nuevas miradas sobre el intercambio de maestros, saberes y técnicas entre las fabricas de la Baja Andalucía y Portugal en los siglo XV y XVI.

**Name of the conference:** III Congreso Internacional do Tardo-Gotico da Traça à edificação: a arquitetura dos séculos XV e XVI em Portugal e na Europa

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Lisbon, Lisboa, Portugal

**Date of event:** 20/11/2017

**Organising entity:** Universidad de Lisboa

**Type of entity:** University

**City organizing entity:** Lisbon, Lisboa, Portugal

**With external admission assessment committee:** Yes

**Type of contribution:** Book chapter

Patricia Ferreira Lopes; Francisco Pinto Puerto. "Nuevas miradas sobre el intercambio de maestros, saberes y técnicas entre las fabricas de la Baja Andalucía y Portugal en los siglo XV y XVI".

**8 Title of the work:** Análisis georrelacional de la fábrica arquitectónica en el Antiguo Reino de Sevilla en el tránsito a la Edad Moderna

**Name of the conference:** III Congreso Internaonal Humanidades Digitales Hispánicas. Sociedades, políticas y saberes.

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Málaga, Andalusia, Spain

**Date of event:** 18/10/2017

**Organising entity:** Universidad de Málaga

**Type of entity:** University

**City organizing entity:** Málaga, Andalusia, Spain

**Publication in conference proceedings:** Yes

**With external admission assessment committee:** Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto. "Análisis georrelacional de la fábrica arquitectónica en el Antiguo Régimen de Sevilla en el tránsito de la Edad Moderna". En: Actas del III Congreso de la Sociedad Internacional Humanidades Digitales Hispánicas Sociedades, políticas, saberes.. 1 - 1, pp. 261 - 267. Andalusia (Spain): Universidad de Málaga, 16/10/2017. ISBN 978-84-697-5692-8

**9 Title of the work:** The interdisciplinary study of Late Gothic heritage through the application of data technologies

**Name of the conference:** Interdisciplinary Futures: Open Social Sciences 20 years later

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Lisbon, Lisboa, Portugal





**Date of event:** 19/01/2017

**Organising entity:** Fundação Gulbenkian

**Type of entity:** Foundation

**City organizing entity:** Lisbon, Lisboa, Portugal

**With external admission assessment committee:** Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto. "The interdisciplinary study of Late Gothic heritage through the application of data technologies".

**10 Title of the work:** Creación de un Modelo de Información Relacional de la Red Tardogótica. Avances, problemáticas y soluciones

**Name of the conference:** Obra Congrua. 600 aniversario de la consulta de la Catedral de Girona

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - invited/keynote talk

**Reasons for participation:** Upon invitation

**Corresponding author:** Yes

**City of event:** Girona, Catalonia, Spain

**Date of event:** 19/10/2016

**End date:** 20/10/2016

**Organising entity:** Universitat de Girona

**Type of entity:** University

**City organizing entity:** Girona, Catalonia, Spain

**With external admission assessment committee:** Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto. "Creación de un Modelo de Información Relacional de la Red Tardogótica. Avances, problemáticas y soluciones". En: OBRA CONGRUA. 1, pp. 365 - 377. Community of Madrid (Spain): Instituto Juan Herrera, 2017. ISBN 978-84-9728-565-0

**Legal deposit:** M-26946-2017

**11 Title of the work:** El uso del BIM y del SIG en la investigación y la enseñanza de la Arquitectura.

**Name of the conference:** XVI Congreso Internacional de Expresión Gráfica Arquitectónica

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** No

**City of event:** Alcalá de Henares, Community of Madrid, Spain

**Date of event:** 12/07/2016

**Organising entity:** Universidad de Alcalá

**Type of entity:** University

**City organizing entity:** Alcalá de Henares, Community of Madrid, Spain

**Publication in conference proceedings:** Yes

**With external admission assessment committee:** Yes

**Type of contribution:** Scientific paper

Francisco Pinto Puerto; Roque Angulo Fornos; Manuel Castellano Roman; Jose Antonio Alba Dorado; Patricia Ferreira Lopes. "El uso del BIM y del SIG en la enseñanza e investigación de la Arquitectura". En: Actas del 16º Congreso Internacional de Expresión Gráfica Arquitectónica. 2, pp. 507 - 514. Community of Madrid (Spain): Fundación General de la Universidad de Alcalá, 01/06/2016. ISBN 978-84-88754-39-4

**12 Title of the work:** Seeing Andalusia's Late Gothic heritage through GIS and Graphs

**Name of the conference:** Digital Humanities 2016

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Krakow, Poland



**Date of event:** 11/07/2016

**Organising entity:** Alliance of Digital Humanities Organizations

**Publication in conference proceedings:** Yes

**With external admission assessment committee:**  
Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto; Antonio Jimenez Mavillard; Juan Luis Suarez. "Seeing Andalusia's Late Gothic heritage through GIS and Graphs". En: Digital Humanities 2016: Conference Abstracts. 1 - 1, pp. 501 - 504. (Poland): ADHO, 04/07/2016. ISBN 978-83-942760-3-4

**13 Title of the work:** Aplicación de nuevos modelos digitales para el conocimiento del patrimonio tardogótico en Andalucía

**Name of the conference:** Congreso Euro-Americano REHABEND 2016

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Burgos, Castile and León, Spain

**Date of event:** 24/05/2016

**Organising entity:** Universidad de Cantabria y Universidad de Burgos

**Type of entity:** University Centres and Structures and Associated Bodies

**City organizing entity:** Burgos, Castile and León, Spain

**Publication in conference proceedings:** Yes

**With external admission assessment committee:**  
Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto; Antonio Jiménez Mavillard; José Luis Suárez García. "Aplicación de nuevos modelos digitales para el conocimiento del patrimonio tardogótico en Andalucía". En: Actas del Congreso Euro-Americano REHABEND 2016. 1 - 1, pp. 178 - 185. Castile and León (Spain): REHABEND 2016, 24/05/2016. Available on-line at: <<https://www.rehabend.unican.es/?p=1164>>. ISSN 2386-8198, ISBN 978-84-608-7941-1

**Legal deposit:** SA-13-2014

**14 Title of the work:** Understanding the Andalusia's Late Gothic heritage in space and time. Roles of constructions, social networks and communication.

**Name of the conference:** European Social Science History Conference 2016

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Valencia, España, Valencian Community, Spain

**Date of event:** 29/03/2016

**Organising entity:** International Institute of Social History (IISH)

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Pinto Puerto, Francisco.

**15 Title of the work:** Application of a Schema to Late Gothic Heritage: Creating a Digital Model for a Spatio-temporal Study in Andalusia

**Name of the conference:** 14th International Conference on Studies, Repairs and Maintenance of Heritage Architecture

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Open access

**Corresponding author:** Yes

**City of event:** La Coruña, Galicia, Spain



**Date of event:** 13/07/2015

**Organising entity:** Wessex Institute

**Publication in conference proceedings:** Yes

**Type of entity:** Technological Centre

**With external admission assessment committee:**  
Yes

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto. "Application of a Schema to Late Gothic Heritage: Creating a Digital Model for a Spatio-temporal Study in Andalusia". En: WIT Transactions on the Built Environment. 153, pp. 29 - 39. (United Kingdom): WIT Press, 10/07/2015. ISSN 1746-4498

**16 Title of the work:** Hacia una geografía patrimonial. Nuevos mecanismos para entender y gestionar el patrimonio.

**Name of the conference:** XII Congreso Internacional sobre Nuevas Tendencias en Humanidades

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Vancouver, BC Canada, Canada

**Date of event:** 11/06/2015

**Organising entity:** University of British Columbia

**Type of entity:** University

**City organizing entity:** Vancouver, Canada

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes; Francisco Pinto Puerto. "Hacia una geografía patrimonial. Nuevos mecanismos para entender y gestionar el patrimonio."

**17 Title of the work:** La producción del sistema ferroviario. Hacia una IDE histórica del patrimonio ferroviario de Andalucía.

**Name of the conference:** Congreso Internacional de Arqueología, Informática Gráfica, Patrimonio e Innovación. Arqueológica 2.0

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Ciudad Real, Spain

**Date of event:** 15/10/2014

**Organising entity:** Sociedad Española de Arqueología Virtual

**Type of entity:** Associations and Groups

**City organizing entity:** Ciudad real, Castile-La Mancha, Spain

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes. "La producción del sistema ferroviario. Hacia una IDE histórica del patrimonio ferroviario de Andalucía."

**18 Title of the work:** SIG en la investigación patrimonial. El caso de la investigación de las chimeneas de ladrillo en Andalucía

**Name of the conference:** II Encuentro de Asociaciones de Protección del Patrimonio Local.

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Sevilla, Andalusia, Spain

**Date of event:** 24/05/2014

**Organising entity:** ENAPAL

**City organizing entity:** Sevilla, Andalusia, Spain

**Type of contribution:** Scientific paper

Patricia Ferreira Lopes.



- 19** **Title of the work:** El mapeo del patrimonio ferroviario en Andalucía  
**Name of the conference:** Conferencia Esri España 2013  
**Type of event:** Conference  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** IFEMA (Madrid), Community of Madrid, Spain  
**Date of event:** 02/10/2013  
**End date:** 03/10/2013  
**Organising entity:** ESRI **Type of entity:** Business  
**City organizing entity:** Madrid, Community of Madrid, Spain  
Patricia Ferreira Lopes.
- 20** **Title of the work:** El proceso ferroviario en Andalucía: en el espacio leemos el patrimonio  
**Name of the conference:** VI Congreso Internacional para la conservación del patrimonio industrial y de la obra pública en España.  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 12/06/2013  
**Organising entity:** INCUNA **Type of entity:** Associations and Groups  
**City organizing entity:** Gijón, Principality of Asturias, Spain  
**With external admission assessment committee:** Yes  
**Type of contribution:** Scientific paper  
Patricia Ferreira Lopes. "El proceso ferroviario en Andalucía: en el espacio leemos el patrimonio". En: El patrimonio industrial en el contexto histórico del franquismo 1939-1975. Territorios, Arquitecturas, Obras Públicas, empresas, sindicatos y vida obrera. 1 - 1, pp. 95 - 100. Principality of Asturias (Spain): CICEES, 04/07/2017. ISBN 978-84-945966-7-4
- 21** **Title of the work:** Los paisajes de la memoria industrial en São Paulo: reflexiones acerca de su preservación.  
**Name of the conference:** I Congreso Internacional de Investigación sobre Paisaje Industrial  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Universidad de Sevilla,  
**Date of event:** 02/11/2011  
**Organising entity:** Grupo de Investigación IPSJ.exel **Type of entity:** University Centres and Structures and Associated Bodies  
Laboratorio del Paisaje Industrial Andaluz  
**City organizing entity:** Seville, Andalusia, Spain  
**Publication in conference proceedings:** Yes **With external admission assessment committee:** Yes  
**Type of contribution:** Scientific paper  
Patricia Ferreira Lopes. "Los paisajes de la memoria industrial en São Paulo: reflexiones acerca de su preservación.". En: Actas del I Congreso Internacional de Investigación sobre Paisaje Industrial. 1 - 1, pp. 137. Andalusia (Spain): 01/11/2011. ISBN 978846949205-5



## Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Gestión y Sostenibilidad de la Información y del conocimiento. Debates metodológicos  
**Name of the event:** V Seminario Internacional de Estrategias para el conocimiento del patrimonio arquitectónico  
**Type of event:** Seminar  
**Corresponding author:** Yes **Reasons for participation:** Upon invitation  
**Geographical area:** International  
**City of event:** Seville, Andalusia, Spain  
**Date of event:** 22/02/2018  
**End date:** 23/02/2018  
**Organising entity:** Research group HUM799  
**City organizing entity:** seville, Andalusia, Spain  
Patricia Ferreira Lopes.
- 2** **Title of the work:** La investigación doctoral. Habilidades para el mercado laboral.  
**Name of the event:** La formación investigadora: habilidades y carencias para acceder al mercado laboral  
**Type of event:** Workshop  
**Corresponding author:** Yes **Reasons for participation:** Upon invitation  
**Geographical area:** Regional  
**City of event:** Seville, Andalusia, Spain  
**Date of event:** 09/02/2018  
**End date:** 09/02/2018  
**Organising entity:** Asociación de mujeres investigadoras y tecnólogas  
**City organizing entity:** Seville, Andalusia, Spain  
Patricia Ferreira Lopes.
- 3** **Title of the work:** El Sistema de Información del patrimonio ferroviario en Andalucía. Conceptos, Metodología y Herramientas  
**Name of the event:** Seminario Internacional Sevilla-São Paulo. Metodologías y herramientas de investigación  
**Type of event:** Seminar  
**Corresponding author:** Yes **Reasons for participation:** Upon invitation  
**City of event:** Seville, Andalusia, Spain  
**Date of event:** 04/05/2015  
**End date:** 07/05/2015  
**Organising entity:** Agencia de Obra Pública de la Junta de Andalucía. Consejería de Fomento y Vivienda **Type of entity:** State agency  
**City organizing entity:** Seville, Andalusia, Spain  
**With external admission assessment committee:** No  
Patricia Ferreira Lopes. "El Sistema de Información del patrimonio ferroviario en Andalucía. Conceptos, Metodología y Herramientas". 1. Andalusia (Spain): Agencia de Obra Pública de la Junta de Andalucía. Consejería Fomento y Vivienda. Junta de Andalucía., pp. 19. Available on-line at: <[https://www.academia.edu/14206473/El\\_Sistema\\_de\\_Informaci%C3%B3n\\_del\\_patrimonio\\_ferroviano\\_en\\_Andaluc%C3%ADa.\\_Conceptos\\_Metodolog%C3%ADa\\_y\\_Herramientas](https://www.academia.edu/14206473/El_Sistema_de_Informaci%C3%B3n_del_patrimonio_ferroviano_en_Andaluc%C3%ADa._Conceptos_Metodolog%C3%ADa_y_Herramientas)>.
- 4** **Title of the work:** El patrimonio Tardogótico como sistema. Conceptos y Herramientas de Investigación  
**Name of the event:** Jornada Aprender a Investigar  
**Type of event:** Seminar



**Corresponding author:** Yes

**Geographical area:** European Union

**City of event:** Sevilla, Andalusia, Spain

**Date of event:** 13/04/2015

**Organising entity:** AUFÍ. Asociación Universitaria Fabricar e Investigar

**City organizing entity:** Sevilla, Andalusia, Spain

**With external admission assessment committee:** Yes

**Type:** Scientific paper

Patricia Ferreira Lopes.

**Reasons for participation:** Upon invitation

**5 Title of the work:** Vivo en una fábrica. Nuevos Modelos de Hábitats como estrategias de recuperación de espacios industriales

**Name of the event:** XVI Jornadas Internacionales de Patrimonio Industrial. Espacios Industriales abandonados

**Type of event:** Seminar

**Corresponding author:** No

**City of event:** Gijón, Principality of Asturias, Spain

**Date of event:** 24/09/2014

**Organising entity:** INCUNA

**City organizing entity:** Gijón, Principality of Asturias, Spain

**With external admission assessment committee:** Yes

**Type:** Book chapter

Andrea Aldones; Antonio Díaz Alonso; Emilia Rosmini; Juan Pedro Segura Maya; Manuel Benitez de la Rosa; Maria Murillo Romero; Patricia Ferreira Lopes; Monica Ruiz Roso Luna; Pilar Piriz Souza; Rafael serrano Sáseta. "ivo en una fábrica. Nuevos Modelos de Hábitats como estrategias de recuperación de espacios industriales". En: Espacios industriales abandonados: Gestión del patrimonio y medio ambiente. Principality of Asturias (Spain): CICCES, 2015, pp. 415 - 422. ISBN 978-84-943556-1-5

**Reasons for participation:** Speaker

**Type of entity:** Associations and Groups

**6 Title of the work:** Nuevas Tecnologías y herramientas aplicada al ámbito patrimonial: Geolocalización, SIG, IDE, base de datos, web 3.0.

**Name of the event:** I Jornada Fabricar e Investigar

**Type of event:** Seminar

**Corresponding author:** Yes

**Geographical area:** European Union

**City of event:** Seville, Andalusia, Spain

**Date of event:** 23/04/2014

**End date:** 25/04/2014

**Organising entity:** AUFÍ. Asociación Universitaria Fabricar e Investigar

**City organizing entity:** Seville, Andalusia, Spain

**With external admission assessment committee:** No

Patricia Ferreira Lopes.

**Reasons for participation:** Upon invitation

**7 Title of the work:** El paisaje ferroviario. Miradas Geoexperimentales

**Name of the event:** III Jornada de Patrimonio Industrial Activo

**Type of event:** Seminar

**Corresponding author:** Yes

**City of event:** Murcia, Region of Murcia, Spain

**Date of event:** 15/11/2013

**End date:** 16/11/2013

**Organising entity:** Universidad de Murcia

**City organizing entity:** Murcia, Region of Murcia, Spain

**Reasons for participation:** Speaker

**Type of entity:** University



**Publication in conference proceedings:** Yes

**With external admission assessment committee:**  
Yes

**Type:** Book chapter

Patricia Ferreira Lopes. "El paisaje ferroviario. Miradas Geoexperimentales". En: Actas de las III Jornadas de Patrimonio Industrial Activo. Region of Murcia (Spain): Jóvenes vinculados al Patrimonio Industrial, 2014, pp. 74 - 83. Available on-line at: <[https://www.researchgate.net/publication/267064200\\_El\\_paisaje\\_ferroviano\\_Miradas\\_geoexperimentales\\_The\\_railway\\_landscape\\_Geoperceptions](https://www.researchgate.net/publication/267064200_El_paisaje_ferroviano_Miradas_geoexperimentales_The_railway_landscape_Geoperceptions)>. ISBN 978-84-695-8995-3

**8 Title of the work:** Análise do patrimônio Ferroviario. Conceitos e estrategias

**Name of the event:** Seminario de pesquisa Lugar e Tectônica

**Type of event:** Seminar

**Corresponding author:** Yes

**Reasons for participation:** Upon invitation

**City of event:** Recife, Brazil

**Date of event:** 03/04/2012

**End date:** 03/04/2012

**Organising entity:** Universidad Federal de Pernambuco

**Type of entity:** University

**City organizing entity:** Recife, Brazil

Patricia Ferreira Lopes.

**9 Title of the work:** El patrimonio inmaterial: el caso de la Fabrica Tacaruna

**Name of the event:** XIII Jornadas Internacionales de Patrimonio Industrial. Organizado por INCUNA

**Type of event:** Seminar

**Corresponding author:** Yes

**Reasons for participation:** Speaker

**Geographical area:** European Union

**City of event:** Gijón, Principality of Asturias, Spain

**Date of event:** 28/09/2011

**End date:** 01/10/2011

**Organising entity:** INCUNA

**Type of entity:** Associations and Groups

**City organizing entity:** Gijón, Principality of Asturias, Spain

**With external admission assessment committee:** Yes

Patricia Ferreira Lopes. "El patrimonio inmaterial: el caso de la Fabrica Tacaruna.". En: Patrimonio inmaterial e intangible de la industria. Artefactos, objetos, saberes y memoria de la industria. Principality of Asturias (Spain): CICCES, 01/09/2012, pp. 539 - 549. ISBN 978-84-937738-9-2

## Other dissemination activities

**Title of the work:** European Researchers' Night 2018

**Name of the event:** European Researchers' Night 2018

**Type of event:** Outreach Activities

**City of event:** Sevilla, 28/09/2018, Spain

**Date of event:** 28/09/2018

**Organising entity:** Junta de Andalucía, Universidad de Sevilla

**City organizing entity:** Sevilla, Andalusia, Spain

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Scientific Review.ESTOA Journal – Revista de la Facultad de Arquitectura y Urbanismo de la Universidad de Cuenca  
**Affiliation entity:** Revista de la Facultad de Arquitectura y Urbanismo de la Universidad de Cuenca  
**City affiliation entity:** Cuenca, Ecuador  
**Start-End date:** 01/03/2016 - 31/12/2019  
**Type of entity:** University Centres and Structures and Associated Bodies
- 2** **Committee title:** Conference Organizing Committee Technoheritage 2019  
**Primary (UNESCO code):** 620101 - Architectural design; 620103 - Urbanism  
**Affiliation entity:** Universidad de Sevilla  
**City affiliation entity:** Sevilla, Andalusia, Spain  
**Start-End date:** 01/02/2018 - 31/07/2019  
**Type of entity:** University
- 3** **Committee title:** Scientific Review. Digital Humanities Quaterly (DHQ) Journal.  
**Affiliation entity:** Northeastern University  
**City affiliation entity:** Boston, United States of America  
**Start-End date:** 01/09/2018 - 31/12/2018  
**Type of entity:** University
- 4** **Committee title:** Scientific Review. TsT Journal. Revista de Transporte, Servicios y Telecomunicación.  
**Affiliation entity:** Fundación de los Ferrocarriles Españoles  
**City affiliation entity:** Madrid, Community of Madrid, Spain  
**Start-End date:** 01/01/2018 - 31/12/2018  
**Type of entity:** Foundation
- 5** **Committee title:** Scientific Review. Digital Humanities Conference  
**Affiliation entity:** Alliance of Digital Humanities Organizations (ADHO)  
**Start-End date:** 01/12/2016 - 31/12/2018
- 6** **Committee title:** Conference Organizing Committee "V Seminario de estrategia del conocimiento patrimonial"  
**Primary (UNESCO code):** 620100 - Architecture  
**Affiliation entity:** Universidad de Sevilla  
**City affiliation entity:** Sevilla, Andalusia, Spain  
**Start-End date:** 01/11/2017 - 30/03/2018  
**Type of entity:** University
- 7** **Committee title:** Member of "Asociación Universitaria Fabricar e Investigar - AUI"  
**Primary (UNESCO code):** 620100 - Architecture  
**Affiliation entity:** Asociación Universitaria Fabricar e Investigar  
**City affiliation entity:** Seville, Andalusia, Spain  
**Start-End date:** 01/07/2012 - 01/01/2016  
**Type of entity:** Associations and Groups





## Organization of R&D activities

- 1 Title of the activity:** IV International Congress Science and Technology for the Conservation of Cultural Heritage  
**Type of activity:** Conference **Geographical area:** European Union  
**City of event:** Seville, Andalusia, Spain  
**Convening entity:** University of Seville, Pablo Olavide University, TechnoHeritage  
**City convening entity:** Spain  
**Type of participation:** Organiser  
**N° assistants:** 170  
**Start-End date:** 26/03/2019 - 30/03/2019
- 2 Title of the activity:** BALTEHUMS Conference  
**Type of activity:** Conference **Geographical area:** European Union  
**City of event:** Riga, Latvija, Latvia  
**Convening entity:** DARIAH European Project  
**City convening entity:** Dublin, Ireland  
**Type of participation:** Invited to report the Roundtable session "Geohumanities"  
**N° assistants:** 100  
**Start-End date:** 08/09/2018 - 09/10/2018
- 3 Title of the activity:** V Seminario Internacional de estrategia del conocimiento patrimonial  
**Type of activity:** Scientific Conference **Geographical area:** European Union  
**City of event:** Seville, Andalusia, Spain  
**Convening entity:** University of Seville  
**City convening entity:** Sevilla, Andalusia, Spain  
**Type of participation:** Chairman  
**N° assistants:** 100  
**Start-End date:** 28/03/2018 - 30/03/2018
- 4 Title of the activity:** IV Seminario Internacional de estrategia del conocimiento patrimonial  
**Type of activity:** Conference **Geographical area:** European Union  
**City of event:** Seville, Andalusia, Spain  
**Convening entity:** University of Seville **Type of entity:** University  
**City convening entity:** Seville, Andalusia, Spain  
**Type of participation:** Organiser  
**N° assistants:** 100  
**Start-End date:** 06/10/2016 - 07/10/2016

## R&D management

- 1 Name of the activity:** EEA grant proposal  
**Type of management:** Management of R&D&I actions and projects  
**Performed tasks:** Writer of the proposal  
**Entity:** NOVA Lisboa **Type of entity:** University  
**Start date:** 01/04/2019 **Duration:** 2 months



- 2** **Name of the activity:** Reports of the project. HAR2016-78113-R  
**Type of management:** Management of R&D&I actions and projects  
**Performed tasks:** Mid-term Report  
**Entity:** University of Seville **Type of entity:** University

## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** Universidad Nova de Lisboa  
**City of entity:** Lisboa,  
**Start-End date:** 01/04/2019 - 12/05/2019 **Duration:** 2 months  
**Goals of the stay:** Post-doctoral
- 2** **Entity:** CERIS. Instituto Superior Técnico de Lisboa **Type of entity:** University  
**Faculty, institute or centre:** Universidad de Lisboa  
**City of entity:** Lisboa, Portugal, Lisboa, Portugal  
**Primary (UNESCO code):** 620100 - Architecture  
**Secondary (UNESCO code):** 550403 - Mediaeval history; 550404 - Modern history  
**Tertiary (UNESCO code):** 630707 - Technology and social change  
**Start-End date:** 11/05/2018 - 31/07/2018 **Duration:** 81 days  
**Funding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Name of programme:** Scholarships for predoctoral mobility for short stays in R & D centers. MINECO. Ref. EEBB-I-18-12821.  
**Goals of the stay:** Doctorate  
**Acquired skills developed:** GIS applied for register building pathology. Teaching PhD students (1st and 2nd year). Use of TLS to scan buildings.  
**Relevant results:** GIS Model to register pathology in the Moros Castle in Sintra. Elaboration of a European Project in the area of digital technology applied to cultural heritage. We are now writing a paper with the results achieved with the GIS model.  
**Identify key words:** Academic architecture; Conservation of the cultural heritage
- 3** **Entity:** CLUE+ Research Institute for Culture, History, **Type of entity:** University Centres and Structures Heritage and Associated Bodies  
**Faculty, institute or centre:** Vrije Universiteit Amsterdam  
**City of entity:** Amsterdam, Holland  
**Primary (UNESCO code):** 620100 - Architecture; 620303 - Decorative arts  
**Secondary (UNESCO code):** 540000 - Geography; 550403 - Mediaeval history  
**Tertiary (UNESCO code):** 620103 - Urbanism  
**Start-End date:** 21/08/2017 - 30/11/2017 **Duration:** 101 days  
**Funding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Name of programme:** Scholarships for predoctoral mobility for short stays in R & D centers. MINECO. Ref. EBB-I-17-12024  
**Goals of the stay:** Doctorate  
**Acquired skills developed:** Learn systematic review process, deep GIS statistic and analysis, introduction to creating a metadata for database and Historicals SDI.

**Relevant results:** As a result of this research stay two main publications were done: 1) Achieving the state of research pertaining to GIS applications for cultural heritage by a systematic literature review. In ISPR, XLII-4, (pp.169-175); 2) GIS and Graph Models for Social, Temporal and Spatial Digital Analysis in Heritage: The case-study of Ancient Kingdom of Seville Late Gothic Production. Digital Application in Archaeology and Cultural Heritage, 9:1-14. In addition, the synergy with CLUE+ was also reflected in the "V Seminario de estrategias de conocimiento patrimonial", in which I was the womanchair of the roundtable "Heritage data sustainability" with the participation of the Prof. Philip Verhagen from CLUE+.

**Identify key words:** Conservation of the cultural heritage

- 4** **Entity:** Universidad del País Vasco Euskal Herriko Unibertsitatea **Type of entity:** University Centres and Structures and Associated Bodies

**Faculty, institute or centre:** Cátedra UNESCO de Paisaje

**City of entity:** Vitoria-Gasteiz, Basque Country, Spain

**Primary (UNESCO code):** 620100 - Architecture

**Start-End date:** 04/05/2016 - 04/08/2016

**Duration:** 92 days

**Funding entity:** Ministry of Economy and Competitiveness

**Type of entity:** State agency

**City funding entity:** Madrid, Community of Madrid, Spain

**Name of programme:** Scholarships for predoctoral mobility for short stays in R & D centers. MINECO. Ref. EEBB-1-1611220.

**Goals of the stay:** Doctorate

**Acquired skills developed:** Spatial data and metadata sustainability. The process of a cultural heritage and landscape project. Digitising old documents and drawings.

**Relevant results:** As a result of this research stay one main publication was done: "Creación de un modelo de información relacional de la red tardogótica. Avances, problemáticas y soluciones." In Proceedings of Obra Congrua (pp. 365-377). Madrid: Instituto Juan de Herrera. The synergy with Cátedra UNESCO de Paisaje was also reflected in the "V Seminario de estrategias de conocimiento patrimonial", in which I was the womanchair of the roundtable "Heritage data sustainability" with the participation of the Prof. José Manuel Valle Melón from Cátedra UNESCO de paisaje, UPV.

**Identify key words:** Academic architecture; Conservation of the cultural heritage

- 5** **Entity:** University of Western Ontario **Type of entity:** University

**Faculty, institute or centre:** Center of Arts and Humanities. CulturePlexLab

**City of entity:** London, Canada

**Primary (UNESCO code):** 120300 - Computer Sciences

**Start-End date:** 01/09/2015 - 30/11/2015

**Duration:** 91 days

**Funding entity:** Ministry of Economy and Competitiveness

**Type of entity:** State agency

**City funding entity:** Madrid, Community of Madrid, Spain

**Name of programme:** Scholarships for predoctoral mobility for short stays in R & D centers. MINECO. Ref. EEBB-I-15-10415.

**Goals of the stay:** Doctorate

**Acquired skills developed:** Graph theory, Oriented Object Database, Conceptual Model, Semantic Model, Introduction to Python.

**Relevant results:** The first graph model using SylvaDB was done. Also, two main scientific contributions were done with the participation of Juan Luis Suarez (Full professor and director of CulturePlexlab) and Antonio Mavillard (PhD candidate at the CulturePlexLab): 1) Seeing Andalucía's Late Gothic heritage through GIS and Graphs. In Proceedings of the Digital Humanities 2016 (pp. 501-504). Kraków: Jagiellonian University & Pedagogical University. doi: 10.13140; 2) Aplicación de nuevos modelos digitales para el conocimiento del patrimonio tardogótico en Andalucía. In proceedings of the Congreso Euro-Americano REHABEND 2016. Patología de la Construcción, tecnología de la Rehabilitación y Gestión del Patrimonio (pp. 178-185).

**Identify key words:** Humanities; Conservation of the cultural heritage



## Obtained grants and scholarships

- 1 Name of the grant:** ADHO Bursary Award Grant 2019  
**City awarding entity:**  
**Aims:** These awards are to encourage new contributions to scholarship in the digital humanities  
**Awarding entity:** Alliance of Digital Humanities Organizations (ADHO)      **Type of entity:** Associations and Groups  
**Amount of the grant:** 550 €  
**Conferral date:** 08/07/2019      **Duration:** 5 days  
**End date:** 12/07/2019
- 2 Name of the grant:** COST Action Workshop Exploring the interplay between Human Learning and Machine Learning – The Citizen Science Perspective.  
**City awarding entity:** Seville, Andalusia, Spain  
**Awarding entity:** COST-e European cooperation in Science and Technology  
**Amount of the grant:** 620 €  
**Conferral date:** 10/04/2019      **Duration:** 4 days  
**End date:** 14/04/2019  
**Entity where activity was carried out:** JRC Comision Europea
- 3 Name of the grant:** COST Action 15212 Vespucci Training School on Digital Transformations in Citizen science and Social Innovation  
**City awarding entity:** Brussels, Belgium  
**Aims:** Post-doctoral  
**Awarding entity:** COST-e. European Cooperation in Science and Technology      **Type of entity:** State agency  
**Amount of the grant:** 750 €  
**Conferral date:** 20/01/2019      **Duration:** 7 days  
**End date:** 27/01/2019
- 4 Name of the grant:** Grant to be as a reporter in the session of “Geohumanities” linked with the European Project DARIAH at the BALTEHMUS Conference  
**City awarding entity:** Dublin, Ireland  
**Awarding entity:** DARIAH - European Project. Digital Research Infrastructure for the Arts and Humanities. Dublin University      **Type of entity:** University  
**Amount of the grant:** 500 €  
**Conferral date:** 15/09/2018      **Duration:** 4 days  
**End date:** 09/10/2018
- 5 Name of the grant:** Grant/Award ISPRS Foundation GeoConference  
**City awarding entity:** Delft, Holland  
**Aims:** Pre-doctoral  
**Awarding entity:** ISPRS Foundation      **Type of entity:** Foundation  
**Amount of the grant:** 440 €  
**Conferral date:** 01/10/2018      **Duration:** 5 days  
**End date:** 05/10/2018  
**Entity where activity was carried out:** TU Delft



- 6** **Name of the grant:** PhD Fellowship of the Ministry of Economy and Competitiveness. Linked to the Project R&D HAR2012-34571  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**Amount of the grant:** 65.688 €  
**Conferral date:** 11/08/2014 **Duration:** 4 years  
**End date:** 10/08/2018
- 7** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2016. Vrije Universiteit. Ref. EBB-I-17-12024  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**Amount of the grant:** 4.550 €  
**Conferral date:** 07/07/2017 **Duration:** 101 days  
**End date:** 30/11/2017
- 8** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2015. Cátedra UNESCO de Paisaje, GPAC, Universidad del Pais Vasco. Ref. EEBS-1-1611220  
**City awarding entity:** Madrid, Andalusia, Spain  
**Awarding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**Amount of the grant:** 2.400 €  
**Conferral date:** 12/01/2016 **Duration:** 3 months  
**End date:** 04/08/2016
- 9** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2014. University of Western Ontario. CulturePlexLab. Ref. EEBS-I-15-10415  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**Amount of the grant:** 4.200 €  
**Conferral date:** 25/02/2015  
**End date:** 30/11/2015
- 10** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2017. Instituto Técnico de Lisboa. Ref. EEBS-I-12821  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Aims:** Pre-doctoral  
**Awarding entity:** Ministry of Economy and Competitiveness **Type of entity:** State agency  
**Amount of the grant:** 4.550 €  
**Conferral date:** 12/03/2018 **Duration:** 3 months
- 11** **Name of the grant:** COST Action COST-ARKWORK CA15201 Training School 2017  
**City awarding entity:** Brussels, Belgium  
**Awarding entity:** COST-e. European Cooperation in Science and Technology  
**Amount of the grant:** 750 €  
**Conferral date:** 05/09/2017



- 12** **Name of the grant:** COST ACTION TD 1402 Innovation in Intelligent Management of Heritage buildings  
**City awarding entity:** Brussels, Belgium  
**Aims:** Pre-doctoral  
**Awarding entity:** COST-e. European Cooperation in Science and Technology  
**Amount of the grant:** 550 €  
**Conferral date:** 28/12/2015
- 13** **Name of the grant:** Master Mobility Fellowship. Master of Architecture and historical heritage, Spain.  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Aims:** Master  
**Awarding entity:** Ministry of Education, Culture and Sports of the government of Spain **Type of entity:** State agency  
**Amount of the grant:** 2.400 €  
**Conferral date:** 01/01/2011 **Duration:** 4 months  
**Entity where activity was carried out:** University of Seville
- 14** **Name of the grant:** Master fellowship. Master's in building pathology and Intervention Techniques and Management.  
**Aims:** Master  
**Awarding entity:** Universidad Politécnica de Madrid **Type of entity:** University  
**Conferral date:** 01/09/2009 **Duration:** 1 year
- 15** **Name of the grant:** Internacional Mobility for undergraduated students. Facultad de Arquitectura de Oporto  
**City awarding entity:** Recife, Brazil  
**Aims:** Mobility - Degree  
**Awarding entity:** Universidad Federal de Pernambuco **Type of entity:** University  
**Conferral date:** 02/04/2007 **Duration:** 1 year  
**Entity where activity was carried out:** Faculdade de Arquitectura do Porto  
**Faculty, institute or centre:** Universidad do Porto

### Other types of collaboration with researchers or technologists

- 1** **Type of relationship:** Research and Project proposal consultant  
**Name principal investigator (PI, Co-PI...):** Patricia Wanderley Ferreira Lopes  
**Description of the collaboration:** Collaboration with the Digital Humanities Lab at NOVA lisboa  
**Participating entity/entities:**  
FCSH NOVA University  
**City participating entity:** Lisboa, Portugal  
**Start date:** 01/02/2019
- 2** **Type of relationship:** research and dissemination activities  
**Description of the collaboration:** Collaboration with the european project DARIAH-eu  
**Participating entity/entities:**  
Trinity College Dublin **Type of entity:** University  
**City participating entity:** Dublin, Ireland  
**Start date:** 01/10/2018



- 3** **Type of relationship:** Colaboration Research Stay  
**Name principal investigator (PI, Co-PI....):** Ana Tomé  
**Description of the collaboration:** Collaboration with the project "Modelos Digitales BIM y SIG para el Conjunto Patrimonial de Sintra"  
**City:** Instituto Técnico de Lisboa, Lisboa, Portugal  
**Participating entity/entities:**  
CERIS **Type of entity:** University Research Institute  
**City participating entity:** Lisboa, Lisboa, Portugal  
Instituto Superior Técnico Lisboa **Type of entity:** University Centres and Structures and Associated Bodies  
**City participating entity:** Lisboa, Lisboa, Portugal  
**Start date:** 10/05/2017 **Duration:** 9 months
- 4** **Type of relationship:** Participation in long term collaboration agreements between bodies  
**Name principal investigator (PI, Co-PI....):** Pinto Puerto, Francisco  
**Description of the collaboration:** Collaboration with the project R&D HAR2016-78113-R Tutela sostenible del patrimonio cultural a través de modelos digitales BIM y SIG. Contribución al conocimiento e innovación social. del Ministerio de Economía y competitividad del gobierno de España. IP: Francisco Pinto Puerto.  
**City:** Departamento de expresión gráfica arquitectónica. Escuela Técnica Superior de Arquitectura de Sevilla, Andalusia, Spain  
**Participating entity/entities:**  
Universidad de Sevilla **Type of entity:** University  
**City participating entity:** Sevilla, Andalusia, Spain  
IAPH **Type of entity:** R&D Centre  
**City participating entity:** Sevilla, Andalusia, Spain  
**Start date:** 30/12/2016 **Duration:** 1094 days
- 5** **Type of relationship:** Participation in long term collaboration agreements between bodies  
**Name principal investigator (PI, Co-PI....):** Antonio Luis Ampliato Briones; Juan Clemente Rodriguez Estevez  
**Description of the collaboration:** Collaboration with the project R&D HAR2016-76371-P "Diego de Riaño, Diego Siloe y la Transición del Gótico al Renacimiento en España. Arquitectura y Ciudad: Técnica, Lenguaje y Concepción Espacial "  
**City:** Departamento de expresión gráfica arquitectónica. Escuela técnica superior de Arquitectura de Sevilla, Andalusia, Spain  
**Participating entity/entities:**  
Universidad de Cantabria **Type of entity:** University  
**City participating entity:** Cantabria, Cantabria, Spain  
Universidad de Sevilla **Type of entity:** University  
**City participating entity:** Sevilla, Andalusia, Spain  
**Start date:** 30/12/2016 **Duration:** 1094 days
- 6** **Type of relationship:** Participation in long term collaboration agreements between bodies  
**Name principal investigator (PI, Co-PI....):** Rabaza Diaz, Enrique  
**Description of the collaboration:** Collaboration with the project DOCOGOTHIC (BIA2015-70906-REDT)  
**City:** Escuela de Arquitectura de la Universidad Politécnica de Madrid, Community of Madrid, Spain  
**Participating entity/entities:**  
Universidad de Sevilla **Type of entity:** University  
**City participating entity:** Sevilla, Andalusia, Spain



Escuela Politecnica de Madrid

**Type of entity:** University Centres and Structures and Associated Bodies

**City participating entity:** Madrid, Community of Madrid, Spain

**Start date:** 01/10/2016

**Duration:** 678 days

**Relevant results:** Ferreira Lopes, P., Pinto Puerto, F. (2017). Creación de un modelo de información relacional de la red tardogótica. Avances, problemáticas y soluciones. En Obra Congrua. Instituto Juan de Herrera, pp. 365-377. ISBN: 978-84-9728-565-0

**7 Type of relationship:** Participation in long term collaboration agreements between bodies

**Name principal investigator (PI, Co-PI...):** Francisco Pinto Puerto

**Description of the collaboration:** Collaboration with the project R&D (HAR2012-34571) "Un modelo digital de información para el conocimiento y gestión de bienes inmuebles del patrimonio cultural", financiado por el Ministerio de Economía y Competitividad y dirigido por el profesor D. Francisco Pinto Puerto.

**City:** Universidad de Sevilla, Andalusia, Spain

**Participating entity/entities:**

Ministerio de Economía y Competitividad

**Start date:** 11/08/2014

**Duration:** 1096 days

## Summary of other achievements

**1 Description of the achievement:** Selected on Juan de la Cierva Formación fellowship

**Accrediting entity:** Ministerio de Ciencia e Innovación. Universidades

**Type of entity:** Ministry

**City accrediting entity:** Madrid, Community of Madrid, Spain

**Conferral date:** 08/08/2019

**2 Description of the achievement:** Acreditación Profesor Ayudante Doctor

**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación

**Type of entity:** ANECA

**City accrediting entity:** Madrid, Community of Madrid, Spain

**Conferral date:** 15/03/2019

**3 Description of the achievement:** Award CUMLAUDE and International Mention - PhD Thesis

**Accrediting entity:** Unniversidad de Sevilla

**Type of entity:** University

**City accrediting entity:** Seville, Andalusia, Spain

**Conferral date:** 20/12/2018

**4 Description of the achievement:** Accredited a special mention of best publication IUACC

**Accrediting entity:** Instituto Universitario Arquitectura y Ciencias de la Construcción

**Type of entity:** University Centres and Structures and Associated Bodies

**City accrediting entity:** Sevilla, Andalusia, Spain

**Conferral date:** 15/12/2018

**5 Description of the achievement:** Award Best Publication IUACC

**Accrediting entity:** Instituto Universitario Arquitectura y Ciencias de la Construcción

**Type of entity:** University Centres and Structures and Associated Bodies

**City accrediting entity:** Seville, Andalusia, Spain

**Conferral date:** 16/10/2018





**6** **Description of the achievement:** Award. Best presentation on "Jornadas AMIT"- La formación investigadora: habilidades y carencias para acceder al mercado laboral. Premio valorado en 300 euros : un IPAD

**Accrediting entity:** Asociación de mujeres investigadoras y tecnólogas AMIT

**Type of entity:** Associations and Groups

**City accrediting entity:** Seville, Andalusia, Spain

**Conferral date:** 09/02/2018

**7** **Description of the achievement:** Award. Best poster presentation in the "III Congreso Internacional Humanidades Digitales Hispánicas. Sociedades, políticas y saberes"

**Accrediting entity:** Universidad de Málaga

**Type of entity:** University

**City accrediting entity:** Málaga, Andalusia, Spain

**Conferral date:** 20/10/2017

**8** **Description of the achievement:** Official Turistic guide Licence

**Accrediting entity:** Consejería de Turismo y Comercio. Junta de Andalusia

**City accrediting entity:** Seville, Andalusia, Spain

**Conferral date:** 19/05/2015