



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 heritage as a researcher at the University of Seville. 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&I 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) and Ireland (DARIAH-eu, Dublin).

During her pre-doctoral 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 in Project Development (GIS and BIM) 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).

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”. In the last three years, her research has been known more in the field of **Digital Humanities, Digital Information Technologies and Architectural heritage**.

Her lines of research and research topics are: digital information models (GIS, Graphs and BIM) applied to architectural history and cultural heritage, heritage conservation and management, data visualization and semantic technologies.



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: 10.44; Recommendations: 39; Reads (full text): 2.993 (https://www.researchgate.net/profile/Patricia_Ferreira_Lopes2)

Total citations: 10

Average citations per year during the last five years: 5 (google scholar)

Total publications in the first quartile: 3 (google scholar)

H index:2 (google scholar)

Research Stays: 4 (total time = one year)

R&D Research Projects participation: 5

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

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Name: **Patricia**
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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**
Contact address: **Calle Alfarería, nº 109**
Rest of contact address: **piso 1ºC**
Postcode: **41010**
Contact country: **Spain**
Contact aut. region/reg.: **Andalusia**
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Previous positions and activities

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

- 1** **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 Educational Management (Yes/No): No assistant (FPI fellowship)
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 Architecture Project, Urban Planner, 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.

- 2** **Employing entity:** Sevilla Brasil 11, Arquitectos, Ingenieros y Consultores S.L. **Type of entity:** Business
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.
- 3** **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
- 4** **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

5 **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: A rehabilitation project for the old textile factory Tacaruna. The accompaniment of rehabilitation and intervention works.

Identify key words: Architectural heritage

6 **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** **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**End date:** 26/11/2018**Type of entity:** University**Duration in hours:** 12 hours**2** **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**Aims of the entity:** transference of knowledge, european research network**End date:** 26/06/2018**Type of entity:** University Centres and Structures and Associated Bodies**Duration in hours:** 16 hours**3** **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**4** **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**5** **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



- 6** **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: Foundation 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
- 7** **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
- 8** **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
- 9** **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
- 10** **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
- 11** **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
Type of entity: University Centres and Structures and Associated Bodies
End date: 13/02/2017
Duration in hours: 3 hours
- 12** **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
- 13** **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

14 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

15 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

16 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

17 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

18 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

End date: 23/10/2014

Type of entity: University

Duration in hours: 30 hours

19 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

20 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

21 Type of training: Course

Training title: GVSIG: Simulaciones de casos reales

City awarding entity: Seville, Andalusia, Spain



Awarding entity: Nuevas herramientas en las enseñanzas técnicas en las ramas de ingeniería de edificación: pensamiento creativo
End date: 05/02/2013

Type of entity: University Centres and Structures and Associated Bodies
Duration in hours: 30 hours

22 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

23 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
Faculty, institute or centre: Politécnica de Madrid
Duration in hours: 40 hours
End date: 04/05/2018

Type of entity: University Centres and Structures and Associated Bodies

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.
Duration in hours: 24 hours
Start-End date: 02/03/2015 - 29/06/2015

Type of entity: University Centres and Structures and Associated Bodies

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
Duration in hours: 16 hours
Start-End date: 26/11/2014 - 28/11/2014

Type of entity: University Centres and Structures and Associated Bodies
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
Duration in hours: 21 hours
Start-End date: 14/10/2014 - 30/10/2014

Type of entity: University Centres and Structures and Associated Bodies



- 5 Title of course/seminar:** Nuevos Patrimonios, Nuevas estrategias, Nuevas Necesidades Formativas
City organizing entity: Seville, Andalusia, Spain
Organising entity: Centro de Formación Permanente. **Type of entity:** University Centres and Structures and Associated Bodies
 Universidad de Sevilla
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: Seville, 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: Seville, 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 subject: Obligatory

University degree: Grado en Fundamentos de Arquitectura

Course given: 3

Start date: 21/09/2015

End date: 03/06/2016

Hours/ECTS credits: 24

Entity: Escuela Técnica Superior de Arquitectura

Type of teaching: Practical work (classroom-problems)

End date: 03/06/2016

Type of hours/ ECTS credits: Hours

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 subject: Modular

University degree: Curso de Formación Permanente

Course given: 2015/2016

Start date: 09/02/2016

End date: 03/05/2016

Entity: Escuela Técnica Superior de Arquitectura

Type of teaching: Practical work (classroom-problems)

End date: 03/05/2016

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 subject: Optional

University degree: Grado en Fundamentos de Arquitectura

Course given: 5

Start date: 22/09/2014

End date: 05/06/2015

Hours/ECTS credits: 16

Entity: Escuela Técnica Superior de Arquitectura

Type of teaching: Practical work (classroom-problems)

End date: 05/06/2015

Type of hours/ ECTS credits: Hours

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



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>. 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

1 Description of the activity: Ayudante de cátedra de graduación del curso de Arquitectura y Urbanismo. Asignatura Arquitectura y Urbanismo 6

Identify key words: Academic architecture

City of activity: Recife, Brazil

Organising entity: Universidad Federal de Pernambuco

End date: 19/12/2008

2 Description of the activity: Ayudante de cátedra de graduación del curso de Arquitectura y Urbanismo

Identify key words: Academic architecture

City of activity: Recife, Brazil

Organising entity: Universidad Federal de Pernambuco

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

1 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 Estéves; 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

Description: Como resultado final del Curso de Visiones Arquitectónicas de la Fotografía I edición se realizó una exposición fotográfica de la producción de los alumnos en el Espacio RompeMoldes en Sevilla. Exposición comisariada por Patricia Ferreira Lopes y 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

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** 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

Position of signature: 1

Total no. authors: 1

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: 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

- 2** 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

Position of signature: 1

Total no. authors: 2

Impact source: SCOPUS

Impact index in year of publication: 0,412

Position of publication: 53

Format: Journal

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

Impact source: CIRC

Impact index in year of publication: A

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

- 3** 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

- 4** 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

Format: Journal

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

**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**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

- 5** 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/elibrary/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). 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

- 6** 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**Format:** Journal



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

Relevant results: The railway process (1854-1940) in Andalucía 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 neither 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 Andalucía 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 Andalucía, open and expands its spatiotemporal vision.

Relevant publication: Yes

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

- 7** 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

Impact source: CIRC

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.

Format: Journal

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

Corresponding author: Yes

Category: INTERDISCIPLINAR

Category: Ciencias Humanas

- 8** 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

Position of signature: 1

Total no. authors: 2

Impact source: REBIUN

Impact index in year of publication: 5

Format: Book

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

Corresponding author: Yes

Category: Red de Bibliotecas Universitarias Españolas

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

- 9** 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>. ISBN 9788469734476

Type of production: Book chapter

Position of signature: 1

Total no. authors: 1

Impact source: REBIUN

Impact index in year of publication: 5

Impact source: SPI

Position of publication: 31

Format: Book

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

Corresponding author: Yes

Category: Humanities and Social Sciences

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

- 10** 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>. 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

- 11** 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>. 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

- 12** 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>. 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



13

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> 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

14

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 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

Format: Book

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

Corresponding author: Yes

15

Patricia Ferreira Lopes; Manuel Benitez de la Rosa; Monica Roso-Luna; Antonio Díaz-Alonso. AUFÍ 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

Position of signature: 1

Total no. authors: 4

Impact source: Dialnet

Relevant results: This chapter presents the Asociación Fabricar e Investigar (AUFÍ), 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

Format: Book

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

Corresponding author: Yes



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:** 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
- 2** **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.
- 3** **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.



- 4** **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".
- 5** **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.".
- 6** **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



- 7** **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".
- 8** **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
- 9** **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



- 10** **Title of the work:** Seeing Andalucía's Late Gothic heritage through GIS and Graphs
Name of the conference: Digital Humanities 2016
Type of event: Conference
Type of participation: Participatory - oral communication
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
Geographical area: Non EU International
Reasons for participation: Review before acceptance
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Patricia Ferreira Lopes; Francisco Pinto Puerto; Antonio Jimenez Mavillard; Juan Luis Suarez. "Seeing Andalucía'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
- 11** **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
Type of participation: Participatory - oral communication
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
City organizing entity: Burgos, Castile and León, Spain
Publication in conference proceedings: Yes
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Type of entity: University Centres and Structures and Associated Bodies
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
- 12** **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
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.



- 13** **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
Type of participation: Participatory - oral communication
Geographical area: European Union
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
- 14** **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
City organizing entity: Vancouver, Canada
Type of entity: University
Type of contribution: Scientific paper
Patricia Ferreira Lopes; Francisco Pinto Puerto. "Hacia una geografía patrimonial. Nuevos mecanismos para entender y gestionar el patrimonio."
- 15** **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
City organizing entity: Ciudad real, Castile-La Mancha, Spain
Type of entity: Associations and Groups
Type of contribution: Scientific paper
Patricia Ferreira Lopes. "La producción del sistema ferroviario. Hacia una IDE histórica del patrimonio ferroviario de Andalucía."
- 16** **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.

17 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.

18 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

19 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
Laboratorio del Paisaje Industrial Andaluz

Type of entity: University Centres and Structures
and Associated Bodies

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>.



- 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 **Reasons for participation:** Upon invitation
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.
- 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 **Reasons for participation:** Speaker
City of event: Gijón, Principality of Asturias, Spain
Date of event: 24/09/2014
Organising entity: INCUNA **Type of entity:** Associations and Groups
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; María 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
- 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 **Reasons for participation:** Upon invitation
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.
- 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 **Reasons for participation:** Speaker
City of event: Murcia, Region of Murcia, Spain



Date of event: 15/11/2013

End date: 16/11/2013

Organising entity: Universidad de Murcia

Type of entity: University

City organizing entity: Murcia, Region of Murcia, Spain

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_L>
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

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:** 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
- 2** **Entity:** CLUE+ Research Institute for Culture, History, Heritage **Type of entity:** University Centres and Structures 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



- 3** **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 woman chair 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
- 4** **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 Andalusia'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:** 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
- 2** **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. Dubin University **Type of entity:** University
Amount of the grant: 500 €
Conferral date: 15/09/2018 **Duration:** 4 days
End date: 09/10/2018
- 3** **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
- 4** **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
- 5** **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



- 6** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2015. Cátedra UNESCO de Paisaje, GPAC, Universidad del Pais Vasco. Ref. EEBB-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
- 7** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2014. University of Western Ontario. CulturePlexLab. Ref. EEBB-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
- 8** **Name of the grant:** Reseach Stay Fellowship R+D Centers 2017. Instituto Técnico de Lisboa. Ref. EEBB-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
- 9** **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
- 10** **Name of the grant:** COST ACTION TD 1402 Innovation in Inteligent 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
- 11** **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
- 12** **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

- 13 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 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
- 2 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
- 3 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

- 4** **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
- 5** **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
- 6** **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:** 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



- 2** **Description of the achievement:** Accredited a special mention of best publication IUACC
Accrediting entity: Instituto Universitario Arquitectura y Ciencias de la Construcción
City accrediting entity: Sevilla, Andalusia, Spain
Conferral date: 15/12/2018
Type of entity: University Centres and Structures and Associated Bodies
- 3** **Description of the achievement:** Award Best Publication IUACC
Accrediting entity: Instituto Universitario Arquitectura y Ciencias de la Construcción
City accrediting entity: Seville, Andalusia, Spain
Conferral date: 16/10/2018
Type of entity: University Centres and Structures and Associated Bodies
- 4** **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
City accrediting entity: Seville, Andalusia, Spain
Conferral date: 09/02/2018
Type of entity: Associations and Groups
- 5** **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
City accrediting entity: Málaga, Andalusia, Spain
Conferral date: 20/10/2017
Type of entity: University
- 6** **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