



Inmaculada Mora Jiménez

Generated from: Editor CVN de FECYT

Date of document: 17/10/2023

v 1.4.3

694e422c4be6fca1efe65afd228da20c

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>



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.

- * Journal publications: more than 50 papers indexed in JCR (34 Q1), 66/13 contributions to international /national conferences with peer review process and published in proceedings (25/3, during the last 5 years, with annual regularity)
- * h-index: 21 (Google Scholar, 1633 citations, average of 177 citations/year during the last 5 years) in April 2023
- * Doctoral Theses supervised: 7 (3 theses are linked to national grants; 4 theses have been awarded, 1 of them at national level). Currently, 1 Doctoral Theses under direction
- * Supervision of 60 Degree Theses (8 of them awarded in competitive calls) and 11 Master Theses.
- * Member of the doctoral thesis evaluation committee: 13 (1 international)
- * Six-year research periods recognized by the Spanish Government: 4 (periods: 1999-2004, 2005-2010, 2011-2016, 2017-2022)
- * Six-year knowledge transfer periods recognized by the Spanish Government: 1 (2015)
- * External evaluator of national research projects at the National Agency of Evaluation and Prospective for the Spanish Government (2011-current)
- * Research stay of 3 months (2015) at the Faculty of Science and Technology (Tromsø University, Norway), funded by the Spanish Government through a competitive call. Two Erasmus+ mobilities for teaching (1 week): Tromsø University (Norway, 2014); University of Angers (France, 2019)



Inmaculada Mora Jiménez

Surname(s): Mora Jiménez
Name: Inmaculada
DNI: 04591755N
ORCID: 0000-0003-0735-367X
ScopusID: 26429722900
ResearcherID: F-9254-2016
Google Scholar: 2d-Ybx8AAAAJ&hl=es
Date of birth: 28/03/1973
Gender: Female
Land line phone: (0034) 914888207 - 8207
Email: inmaculada.mora@urjc.es
Personal web page: <https://gestion2.urjc.es/pdi/ver/inmaculada.mora>

Current professional situation

Employing entity: Universidad Rey Juan Carlos **Type of entity:** University
Department: Teoría de la Señal y Comunicaciones y Sistemas Telemáticos y Computación, Escuela de Ingeniería de Fuenlabrada
Professional category: Catedrática de universidad **Educational Management (Yes/No):** Yes
City employing entity: Móstoles, Community of Madrid, Spain
Email: inmaculada.mora@urjc.es
Start date: 28/06/2021
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 332599 - Other
Performed tasks: Docencia, investigación y gestión
Field of management activity: University

Previous positions and activities

| | Employing entity | Professional category | Start date |
|---|---|---|------------|
| 1 | Universidad Rey Juan Carlos | Titular de Universidad | 30/01/2018 |
| 2 | Universidad Rey Juan Carlos | Titular de Universidad interino | 14/02/2005 |
| 3 | Universidad Carlos III de Madrid | Ayudante de Universidad | 13/02/2003 |
| 4 | Universidad Carlos III de Madrid | Becaria de Investigación | 01/01/2003 |
| 5 | Universidad Carlos III de Madrid | Becaria de Formación de Profesorado Universitario (FPU) | 01/01/1999 |
| 6 | Universidad Carlos III de Madrid | Becario de Investigación | 01/09/1998 |
| 7 | Universidad Politécnica de Valencia (UPV) | Investigador | 01/01/1998 |



- 1** **Employing entity:** Universidad Rey Juan Carlos **Type of entity:** University
Professional category: Titular de Universidad
Start-End date: 30/01/2018 - 27/06/2021
- 2** **Employing entity:** Universidad Rey Juan Carlos **Type of entity:** University
Department: Teoría de la Señal y Comunicaciones y Sistemas Telemáticos y Computación, ETS Ingeniería de Telecomunicación
City employing entity: Móstoles, Community of Madrid, Spain
Professional category: Titular de Universidad **Educational Management (Yes/No):** Yes interino
Start-End date: 14/02/2005 - 29/01/2018 **Duration:** 7 years - 11 months - 15 days
Type of contract: Temporary
Dedication regime: Full time
Performed tasks: Docencia, investigación y gestión
Field of management activity: University
- 3** **Employing entity:** Universidad Carlos III de Madrid
Department: Teoría de la Señal y Comunicaciones, EPS-UC3M
City employing entity: Getafe, Community of Madrid, Spain
Professional category: Ayudante de Universidad **Educational Management (Yes/No):** No
Start-End date: 13/02/2003 - 13/02/2005 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Primary (UNESCO code): 332500 - Telecommunications technology
- 4** **Employing entity:** Universidad Carlos III de Madrid **Type of entity:** University
Department: Teoría de la Señal y Comunicaciones, EPS-UC3M
City employing entity: Getafe, Community of Madrid, Spain
Professional category: Becaria de Investigación **Educational Management (Yes/No):** No
Start-End date: 01/01/2003 - 12/02/2003 **Duration:** 1 month - 11 days
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 332500 - Telecommunications technology
- 5** **Employing entity:** Universidad Carlos III de Madrid **Type of entity:** University
Department: Tecnologías de las Comunicaciones, EPS-UC3M
City employing entity: Getafe, Community of Madrid, Spain
Professional category: Becaria de Formación de Profesorado Universitario (FPU) **Educational Management (Yes/No):** No
Start-End date: 01/01/1999 - 31/12/2002 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Primary (UNESCO code): 332500 - Telecommunications technology
- 6** **Employing entity:** Universidad Carlos III de Madrid **Type of entity:** University
Department: Tecnologías de las Comunicaciones, EPS-UC3M
City employing entity: Getafe, Community of Madrid, Spain
Professional category: Becario de Investigación **Educational Management (Yes/No):** No
Start-End date: 01/09/1998 - 31/12/1998 **Duration:** 4 months



Type of contract: Grant-assisted student (pre or post-doctoral, others)
Primary (UNESCO code): 332500 - Telecommunications technology

- 7** **Employing entity:** Universidad Politécnica de Valencia (UPV) **Type of entity:** University
Department: Comunicaciones, ETSIT-UPV
City employing entity: Valencia, Community of Madrid, Spain
Professional category: Investigador **Educational Management (Yes/No):** No
Start-End date: 01/01/1998 - 31/08/1998 **Duration:** 8 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Primary (UNESCO code): 332500 - Telecommunications technology



Education

University education

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

University degree: Higher degree

Name of qualification: Ingeniero de Telecomunicación

City degree awarding entity: Valencia, Valencian Community, Spain

Degree awarding entity: Universidad Politécnica de Valencia (UPV) **Type of entity:** University

Date of qualification: 23/02/1998

Standardised degree: No

Doctorates

Doctorate programme: Doctor Ingeniero de Telecomunicación

Degree awarding entity: Universidad Carlos III de Madrid (UC3M) **Type of entity:** University

City degree awarding entity: Getafe, Community of Madrid, Spain

Date of degree: 17/12/2004

European doctorate: No

Thesis title: Extensiones de Algoritmos Locales para Clasificación

Thesis director: Aníbal Ramón Figueiras Vidal

Thesis co-director: Ángel Navia Vázquez

Obtained qualification: Sobresaliente cum laude por unanimidad

Recognition of quality: Yes

Special doctorate award: No

Standardised degree: No

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

1 Type of training: Course

Training title: 8º Seminario Internacional de Innovación en Marketing: Innovación al servicio del cliente

City awarding entity: Community of Madrid, Spain

Awarding entity: Comunidad de Madrid - Universidad Rey Juan Carlos **Type of entity:** University

End date: 15/11/2016

Duration in hours: 4 hours

2 Type of training: Course

Training title: Cuidados en el uso profesional de la voz

City awarding entity: Community of Madrid, Spain

Awarding entity: Universidad Rey Juan Carlos

End date: 07/10/2016

Type of entity: University

Duration in hours: 3 hours



- 3** **Type of training:** Course
Training title: Horizonte 2020. Taller práctico sobre acciones individuales de movilidad de investigadores Marie S. Curie 2016. Claves de éxito
City awarding entity: Community of Madrid, Spain
Awarding entity: Universidad Rey Juan Carlos
End date: 10/05/2016 **Duration in hours:** 2 hours
- 4** **Type of training:** Course
Training title: Smart Cities, aproximación y casos prácticos de uso
City awarding entity: Community of Madrid, Spain
Awarding entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 26/11/2014 **Duration in hours:** 8 hours
- 5** **Type of training:** Course
Training title: Análisis no lineal de series temporales y datos en medicina deportiva
City awarding entity: Community of Madrid, Spain
Awarding entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 16/11/2014 **Duration in hours:** 18 hours
- 6** **Type of training:** Course
Training title: Redes Sociales
City awarding entity: Spain
Awarding entity: CSIF-Formación
End date: 31/07/2014 **Duration in hours:** 50 hours
- 7** **Type of training:** Jornada
Training title: III Jornadas de actualización en documentación sanitaria
City awarding entity: Community of Madrid, Spain
Awarding entity: Hospital Universitario de Fuenlabrada **Type of entity:** Healthcare Institutions
End date: 30/11/2012 **Duration in hours:** 6 hours
- 8** **Type of training:** Course
Training title: Taller de Adobe Connect
City awarding entity: Community of Madrid, Spain
Awarding entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 16/12/2011 **Duration in hours:** 10 hours
- 9** **Type of training:** Course
Training title: Hidden Markov Models
City awarding entity: Community of Madrid, Spain
Awarding entity: UNIVERSIDAD POLITÉCNICA DE MADRID **Type of entity:** University
End date: 15/07/2011 **Duration in hours:** 15 hours
- 10** **Type of training:** Course
Training title: Bayesian Networks
City awarding entity: Community of Madrid, Spain
Awarding entity: UNIVERSIDAD POLITÉCNICA DE MADRID **Type of entity:** University
End date: 08/07/2011 **Duration in hours:** 15 hours



- 11** **Type of training:** Course
Training title: Feature Subset Selection
City awarding entity: Community of Madrid, Spain
Awarding entity: UNIVERSIDAD POLITÉCNICA DE MADRID
End date: 08/07/2011
Type of entity: University
Duration in hours: 15 hours
- 12** **Type of training:** Course
Training title: Acreditación del Profesorado: Programa ACADEMIA para la acreditación nacional
City awarding entity: Community of Madrid, Spain
Awarding entity: Comunidad de Madrid - Universidad Rey Juan Carlos
End date: 02/11/2010
Type of entity: University
Duration in hours: 15 hours
- 13** **Type of training:** Course
Training title: Contratación del Profesorado: Programa de Evaluación del Profesorado (PEP)
City awarding entity: Community of Madrid, Spain
Awarding entity: Comunidad de Madrid - Universidad Rey Juan Carlos
End date: 23/02/2010
Type of entity: University
Duration in hours: 10 hours
- 14** **Type of training:** Course
Training title: Redacción de publicaciones científico-técnicas en inglés
City awarding entity: Spain
Awarding entity: Universidad Rey Juan Carlos
End date: 10/05/2008
Duration in hours: 60 hours
- 15** **Type of training:** Course
Training title: Curso de preparación para el título Certificate in Advance English
Awarding entity: Chester School of English
End date: 04/12/2005
Duration in hours: 36 hours
- 16** **Type of training:** Course
Training title: Linux
City awarding entity: Madrid, Spain
Awarding entity: Federación de Enseñanza de Madrid
End date: 04/11/2005
Duration in hours: 30 hours
- 17** **Type of training:** Course
Training title: Certificado de Aptitud Pedagógica
City awarding entity: Spain
Awarding entity: Universidad Complutense de Madrid
End date: 01/07/2005
Type of entity: University
- 18** **Type of training:** Course
Training title: Tecnologías Wireless y Adquisición de Datos
City awarding entity: Spain
Awarding entity: Alava Ingenieros, S.A.
End date: 16/05/2005
Duration in hours: 4 hours



- 19** **Type of training:** Course
Training title: Las Telecomunicaciones en la Sociedad de la Información y el Conocimiento
City awarding entity: MARIÑAN, Spain
Awarding entity: Real Academia de Ingeniería
End date: 20/09/2002 **Duration in hours:** 15 hours
- 20** **Type of training:** Course
Training title: Codificación de voz: aplicaciones en internet y telefonía móvil digital
City awarding entity: Leganés, Community of Madrid, Spain
Awarding entity: Universidad Carlos III de Madrid **Type of entity:** University
End date: 29/10/1998 **Duration in hours:** 50 hours
- 21** **Type of training:** Course
Training title: Aplicaciones industriales de las redes neuronales
City awarding entity: Leganés, Community of Madrid, Spain
Awarding entity: Universidad Carlos III de Madrid **Type of entity:** University
End date: 14/09/1998 **Duration in hours:** 50 hours
- 22** **Type of training:** Course
Training title: Audio digital
City awarding entity: Valencia, Valencian Community, Spain
Awarding entity: Universidad Politécnica de Valencia **Type of entity:** University
End date: 06/04/1998 **Duration in hours:** 9 hours
- 23** **Type of training:** Course
Training title: Redes de área local e internet
City awarding entity: Valencia, Valencian Community, Spain
Awarding entity: Universidad Politécnica de Valencia **Type of entity:** University
End date: 25/06/1997 **Duration in hours:** 50 hours
- 24** **Type of training:** Course
Training title: Tecnología-Sociedad
City awarding entity: Valencia, Valencian Community, Spain
Awarding entity: Universidad Politécnica de Valencia **Type of entity:** University
End date: 01/05/1997 **Duration in hours:** 60 hours
- 25** **Type of training:** Course
Training title: Sistemas de telefonía móvil digital GSM
City awarding entity: Valencia, Valencian Community, Spain
Awarding entity: Universidad Politécnica de Valencia **Type of entity:** University
End date: 12/12/1996 **Duration in hours:** 40 hours
- 26** **Type of training:** Course
Training title: Tratamiento digital de imagen
City awarding entity: Teruel, Aragon, Spain
Awarding entity: Universidad de verano de Teruel **Type of entity:** University
End date: 26/07/1996 **Duration in hours:** 40 hours
- 27** **Type of training:** Course
Training title: III Seminario sobre televisión avanzada
City awarding entity: Valencia, Valencian Community, Spain



Awarding entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

End date: 30/05/1996

Duration in hours: 30 hours

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1** **Title of course/seminar:** III Jornada de Innovación Docente URJC online
City organizing entity: Móstoles, Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 9 hours
Start-End date: 16/11/2016 - 16/11/2016
- 2** **Title of course/seminar:** II Jornada de Innovación Docente URJC online
City organizing entity: Móstoles, Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 9 hours
Start-End date: 11/11/2015 - 11/11/2015
- 3** **Title of course/seminar:** Curso Básico de Introducción a Moodle
City organizing entity: Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 5 hours
Start-End date: 21/02/2014 - 21/02/2014
- 4** **Title of course/seminar:** Liderazgo y motivación para profesores universitarios
City organizing entity: Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 5 hours
Start-End date: 03/06/2013 - 03/06/2013
Target group profile: Profesores universitarios
- 5** **Title of course/seminar:** Moodle para profesores
City organizing entity: Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 2 hours
Start-End date: 28/06/2012 - 28/06/2012
Target group profile: Profesores universitarios
- 6** **Title of course/seminar:** Moodle para profesores
City organizing entity: Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 3 hours
Start-End date: 21/12/2011 - 21/12/2011
- 7** **Title of course/seminar:** Sesión de formación para el Máster en Ingeniería de la Decisión on-line
City organizing entity: Fuenlabrada, Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 4 hours
Start-End date: 07/07/2009 - 07/07/2009



Target group profile: Profesores del Máster en Ingeniería de la Decisión on-line de la URJC

- 8 Title of course/seminar:** Aprendizaje basado en problemas (ABP/PBL) y otras metodologías de aprendizaje inductivo en la enseñanza universitaria
City organizing entity: Fuenlabrada, Community of Madrid, Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 30 hours
Start-End date: 02/06/2009 - 25/06/2009
Target group profile: Profesores universitarios
- 9 Title of course/seminar:** Aspectos prácticos del uso del e-learning en la URJC
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
Duration in hours: 15 hours
Start-End date: 08/06/2009 - 10/06/2009
- 10 Title of course/seminar:** Curso 0. El Espacio Europeo de Educación Superior
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 20 hours
Start-End date: 23/02/2009 - 26/02/2009
- 11 Title of course/seminar:** Enseñar a aprender para superar los estudios universitarios en el marco del Espacio Europeo de Educación Superior
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 14 hours
Start-End date: 22/09/2008 - 23/09/2008
- 12 Title of course/seminar:** WebCT
City organizing entity: Fuenlabrada, Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 4 hours
Start-End date: 21/09/2007 - 21/09/2007
- 13 Title of course/seminar:** Aspectos metodológicos del Campus Virtual de la URJC
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 4 hours
Start-End date: 05/07/2007 - 05/07/2007
- 14 Title of course/seminar:** Taller para la elaboración de guías docentes
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 7 hours
Start-End date: 12/07/2006 - 13/07/2006
- 15 Title of course/seminar:** Las Tutorías Integrales en los Nuevos Contextos Universitarios
City organizing entity: Spain
Organising entity: Universidad Rey Juan Carlos
Duration in hours: 16 hours



Start-End date: 07/02/2006 - 10/02/2006

- 16 Title of course/seminar:** Jornada de Orientación y Mejora Docente
City organizing entity: Spain
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
Duration in hours: 4 hours
Start-End date: 03/11/2004 - 03/11/2004
- 17 Title of course/seminar:** Aprendizaje basado en problemas
City organizing entity: Leganés, Spain
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
Duration in hours: 8 hours
Start-End date: 16/06/2003 - 17/06/2003
- 18 Title of course/seminar:** Aula Global
City organizing entity: Leganés, Spain
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
Duration in hours: 2 hours
Start-End date: 26/02/2003 - 26/02/2003
- 19 Title of course/seminar:** Taller de didáctica
City organizing entity: Spain
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
Duration in hours: 6 hours
Start-End date: 03/02/2003 - 05/02/2003

Language skills

| Language | Listening skills | Reading skills | Spoken interaction | Speaking skills | Writing skills |
|----------|------------------|----------------|--------------------|-----------------|----------------|
| German | A1 | A1 | A1 | A1 | A1 |
| English | C1 | C1 | C1 | C1 | C1 |

Teaching experience

General teaching experience

- 1 Type of teaching:** Official teaching
Name of the course: Tratamiento y Gestión de Información Multimedia
Type of programme: Master's degree **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
University degree: Máster Universitario en Ingeniería de Telecomunicación
Frequency of the activity: 2
Start date: 18/01/2016 **End date:** 29/06/2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 30
Entity: Universidad Rey Juan Carlos **Type of entity:** University



- 2** **Type of teaching:** Official teaching
Name of the course: Tratamiento Digital de la Imagen
Type of programme: Grado **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
Assessment type: Survey
University degree: Grado en Ingeniería en Sistemas Audiovisuales y Multimedia
Course given: 3 **Frequency of the activity:** 4
Start date: 13/01/2014 **End date:** 29/06/2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 58
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos
Assessment type: Survey
Type of entity: University
Mark obtained: 4 **Top mark possible:** 5
- 3** **Type of teaching:** Official teaching
Name of the course: Tratamiento Digital de Señales Multimedia I
Type of programme: Engineering **Type of teaching:** Atención a tutorías y exámenes
Type of subject: Core
University degree: Ingeniería de Telecomunicación
Course given: 4 **Frequency of the activity:** 3
Start date: 10/09/2014 **End date:** 19/01/2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 6
Entity: Universidad Rey Juan Carlos **Type of entity:** University
- 4** **Type of teaching:** Official teaching
Name of the course: Procesamiento de Señales
Type of programme: Grado **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
Assessment type: Survey
University degree: Grado en Ingeniería en Sistemas de Telecomunicación
Course given: 3 **Frequency of the activity:** 4
Start date: 09/09/2013 **End date:** 13/01/2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 48
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos
Assessment type: Survey
Type of entity: University
Mark obtained: 4 **Top mark possible:** 5
- 5** **Type of teaching:** Official teaching
Name of the course: Tratamiento de Información Multimedia
Type of programme: Grado **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
Assessment type: Survey
University degree: Grado en Ingeniería en Telemática
Course given: 3 **Frequency of the activity:** 4
Start date: 09/09/2013 **End date:** 13/01/2017



Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 41

Entity: Universidad Rey Juan Carlos

Assessment entity: Universidad Rey Juan Carlos

Assessment type: Survey

Mark obtained: 4.0

Type of entity: University

Top mark possible: 5

6 **Type of teaching:** Official teaching

Name of the course: Tratamiento Digital de Señales Multimedia II

Type of programme: Engineering

Type of subject: Core

University degree: Ingeniería de Telecomunicación

Course given: 4

Start date: 12/01/2015

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 6

Entity: Universidad Rey Juan Carlos

Type of teaching: Atención a tutorías y exámenes

Frequency of the activity: 2

End date: 16/05/2016

Type of entity: University

7 **Type of teaching:** Official teaching

Name of the course: Sistemas de Comunicación Audiovisuales

Type of programme: Grado

Type of subject: Obligatory

Assessment type: Survey

University degree: Grado en Ingeniería en Sistemas Audiovisuales y Multimedia

Course given: 2

Start date: 01/02/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 23

Entity: Universidad Rey Juan Carlos

Type of entity: University

Assessment type: Survey

Funding entity: Universidad Rey Juan Carlos

Mark obtained: 4.2

Type of teaching: Teórico-práctico

Frequency of the activity: 5

End date: 16/05/2015

Type of entity: University

Top mark possible: 5

8 **Type of teaching:** Official teaching

Name of the course: Arquitectura de Sistemas de Telecomunicación

Type of programme: Grado

Type of subject: Obligatory

Assessment type: Survey

University degree: Grado en Ingeniería en Telemática

Course given: 3

Start date: 09/09/2013

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 27

Entity: Universidad Rey Juan Carlos

Assessment entity: Universidad Rey Juan Carlos

Assessment type: Survey

Mark obtained: 3.8

Type of teaching: Teórico-práctico

Frequency of the activity: 2

End date: 10/01/2015

Type of entity: University

Top mark possible: 5



- 9** **Type of teaching:** Official teaching
Name of the course: Procesamiento Digital de la Información
Type of programme: Grado **Type of teaching:** Teórico-práctico
Type of subject: Obligatory
Assessment type: Survey
University degree: Grado en Ingeniería en Tecnologías de Telecomunicación
Course given: 3 **Frequency of the activity:** 2
Start date: 09/09/2013 **End date:** 10/01/2015
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 50
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos
Assessment type: Survey
Type of entity: University
Mark obtained: 3.6 **Top mark possible:** 5
- 10** **Type of teaching:** Official teaching
Name of the course: Tratamiento Digital de Señales Multimedia II
Type of programme: Engineering **Type of teaching:** Teórico-práctica
Type of subject: Core
Assessment type: Survey
University degree: Ingeniería de Telecomunicación
Course given: 4 **Frequency of the activity:** 6
Start date: 15/02/2007 **End date:** 31/05/2013
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 11
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment type: Survey
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Mark obtained: 4.05 **Top mark possible:** 5
- 11** **Type of teaching:** Official teaching
Name of the course: Análisis Avanzado de Imágenes Médicas
Type of programme: Master's degree **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
University degree: Máster Universitario en Tecnologías de la Información y Comunicación en Ingeniería Biomédica
Frequency of the activity: 2
Start date: 01/02/2011 **End date:** 15/07/2012
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 10
Entity: Universidad Rey Juan Carlos **Type of entity:** University
- 12** **Type of teaching:** Official teaching
Name of the course: Sistemas Expertos y Aprendizaje Máquina
Type of programme: Master's degree **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
Assessment type: Survey
University degree: Máster Universitario en Tecnologías de la Información y Comunicación en Ingeniería Biomédica



Frequency of the activity: 2

Start date: 15/09/2010

End date: 23/12/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 10

Entity: Universidad Rey Juan Carlos

Type of entity: University

Assessment type: Survey

Funding entity: Universidad Rey Juan Carlos

Mark obtained: 5

Top mark possible: 5

13 Type of teaching: Official teaching

Name of the course: Minería de Datos

Type of programme: Master's degree

Type of teaching: In person theory

University degree: Máster Oficial en Ingeniería de la Decisión

Frequency of the activity: 2

Start date: 25/01/2010

End date: 30/05/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 27

Entity: Universidad Rey Juan Carlos

Type of entity: University

14 Type of teaching: Official teaching

Name of the course: Minería de Datos

Type of programme: Master's degree

Type of teaching: Teórico-práctica

University degree: Máster Universitario en Ingeniería de Sistemas de Decisión

Frequency of the activity: 2

Start date: 14/01/2010

End date: 30/05/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 15

Entity: Universidad Rey Juan Carlos

Type of entity: University

Faculty, institute or centre: Universidad Rey Juan Carlos

15 Type of teaching: Official teaching

Name of the course: Sistemas de Información para Gestión del Conocimiento

Type of programme: Master's degree

Type of teaching: Teórico-práctica

Type of subject: Obligatory

University degree: Máster Universitario en Ingeniería de Sistemas de Información

Frequency of the activity: 1

Start date: 15/09/2010

End date: 31/01/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 10

Entity: Universidad Rey Juan Carlos

Type of entity: University

16 Type of teaching: Official teaching

Name of the course: Tratamiento digital de señales

Type of programme: Master's degree

Type of teaching: Teórico-Práctica

University degree: Máster Oficial en Tecnologías de la Información y Sistemas Informáticos

Frequency of the activity: 5

Start date: 02/10/2006

End date: 17/01/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 26

Entity: Universidad Rey Juan Carlos

Type of entity: University



- 17** **Type of teaching:** Official teaching
Name of the course: Tratamiento Digital de Señales Multimedia I
Type of programme: Engineering **Type of teaching:** Teórico-Práctica
Type of subject: Core
Assessment type: Survey
University degree: Ingeniería de Telecomunicación
Course given: 4 **Frequency of the activity:** 5
Start date: 03/10/2006 **End date:** 15/01/2011
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 16
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos
Assessment type: Survey
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Mark obtained: 4.1 **Top mark possible:** 5
- 18** **Type of teaching:** Official teaching
Name of the course: Servicios en Redes Inalámbricas I
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Optional
University degree: Máster Oficial en Redes y Servicios de Comunicación Móviles
Frequency of the activity: 2
Start date: 05/02/2007 **End date:** 18/05/2008
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 4,5
Entity: Universidad Rey Juan Carlos **Type of entity:** University
- 19** **Type of teaching:** Unofficial teaching
Name of the course: Redes y Comunicaciones Avanzadas
Type of programme: Título propio **Type of teaching:** In person theory
University degree: Máster en Informática Militar
Frequency of the activity: 3
Start date: 01/09/2005 **End date:** 01/12/2007
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 2
Entity: Escuela de Informática del Ejército
City of entity: Madrid, Community of Madrid, Spain
- 20** **Type of teaching:** Official teaching
Name of the course: Transmisión de Datos
Type of programme: Engineering **Type of teaching:** Teórico-práctica
Type of subject: Core
Assessment type: Survey
University degree: Ingeniería de Telecomunicación
Course given: 2 **Frequency of the activity:** 8
Start date: 14/02/2005 **End date:** 30/05/2005
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 38
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Assessment entity: Universidad Rey Juan Carlos
Assessment type: Survey



Funding entity: Universidad Rey Juan Carlos
Mark obtained: 3.85

Type of entity: University
Top mark possible: 5

21 **Type of teaching:** Official teaching

Name of the course: Tratamiento Digital de la Información

Type of programme: Technical engineering

Type of teaching: Teórico-práctica

Type of subject: Obligatory

Assessment type: Survey

University degree: Ingeniería Técnica de Telecomunicación: Sonido e Imagen

Course given: 3

Frequency of the activity: 1

Start date: 14/09/2004

End date: 14/02/2005

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 60

Entity: Universidad Carlos III de Madrid

Type of entity: University

Assessment type: Survey

Funding entity: Universidad Carlos III de Madrid

Mark obtained: 3.56

Top mark possible: 5

22 **Type of teaching:** Official teaching

Name of the course: Tratamiento Digital de Señales

Type of programme: Engineering

Type of teaching: Laboratory work

Type of subject: Obligatory

University degree: Ingeniería de Telecomunicación

Course given: 4

Frequency of the activity: 2

Start date: 01/02/2003

End date: 31/07/2004

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 28

Entity: Universidad Carlos III de Madrid

Type of entity: University

23 **Type of teaching:** Official teaching

Name of the course: Aplicaciones del Tratamiento de Señales

Type of programme: Technical engineering

Type of teaching: In person theory

Type of subject: Optional

University degree: Ingeniería Técnica de Telecomunicación: Sistemas de Telecomunicación

Course given: 3

Frequency of the activity: 2

Start date: 01/02/2003

End date: 31/07/2004

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 14

Entity: Universidad Carlos III de Madrid

Type of entity: University

24 **Type of teaching:** Official teaching

Name of the course: Tratamiento Digital de la Información

Type of programme: Technical engineering

Type of teaching: Teórico-práctica

Type of subject: Obligatory

University degree: Ingeniería Técnica de Telecomunicación: Sistemas de Telecomunicación

Course given: 3

Frequency of the activity: 2

Start date: 01/02/2003

End date: 31/07/2004

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 14

Entity: Universidad Carlos III de Madrid

Type of entity: University



- 25** **Type of teaching:** Official teaching
Name of the course: Tratamiento Digital de la Información
Type of programme: Technical engineering **Type of teaching:** Teórico-práctica
Type of subject: Obligatory
Assessment type: Survey
University degree: Ingeniería Técnica de Telecomunicación: Telemática
Course given: 3 **Frequency of the activity:** 2
Start date: 01/02/2003 **End date:** 31/07/2004
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 51
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Assessment type: Survey
Funding entity: Universidad Carlos III de Madrid
Mark obtained: 4.36 **Top mark possible:** 5

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Mosaic Images to Handle the Assigned Bandwidth for Interactive Television Applications on the ISDB-Tb System
Type of project: Doctoral thesis
Co-director of thesis: Inmaculada Mora Jiménez; Gonzalo Olmedo Cifuentes
Entity: Universidad Rey Juan Carlos
Student: Freddy Roberto Acosta Buenaño
Obtained qualification: Sobresaliente
Date of reading: 04/11/2019
European doctorate: No
Quality recognition: No
- 2** **Project title:** Statistical analysis of demographic and clinical data from healthy and chronic hypertensive patients
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; Cristina Soguero Ruiz
Entity: Universidad Rey Juan Carlos
Student: Javier Fernández Sánchez
Obtained qualification: 10. Matrícula de Honor
Date of reading: 12/07/2016
European doctorate: No
Quality recognition: No
- 3** **Project title:** Diseño e implementación de nueva solución para el servicio Restart TV sobre plataforma de vídeo basada en IPTV
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: María Belén Montalvo Hervás
Obtained qualification: 10. Sobresaliente
Date of reading: 06/07/2016
European doctorate: No
Quality recognition: No



- 4** **Project title:** Estratificación de pacientes crónicos diabéticos. Análisis estadístico de datos de dispensación farmacológica
Type of project: Proyecto Fin de Máster
Co-director of thesis: Cristina Soguero Ruiz; Inmaculada Mora Jiménez
Entity: Madrid Business Intelligence Technology School
City of entity: Madrid, Community of Madrid, Spain
Student: Francisco Javier Gutiérrez Expósito
Obtained qualification: 8
Date of reading: 06/04/2016
European doctorate: No
Quality recognition: No
- 5** **Project title:** CARDIOGRAFIT. Apicación para la Recuperación del Registro Eléctrico Cardíaco a partir de Imágenes de ECG tomadas con Dispositivos Móviles
Type of project: Otros
Co-director of thesis: Inmaculada Mora Jiménez; Margarita Sanromán Junquera
Entity: Universidad Rey Juan Carlos
Student: Fernando Lozano Fernández
Obtained qualification: Matrícula de Honor (10)
Date of reading: 07/07/2015
European doctorate: No
Quality recognition: No
- 6** **Project title:** Caracterización del tráfico vial utilizando técnicas de procesamiento de imagen
Type of project: Trabajo Fin de Grado
Co-director of thesis: Inmaculada Mora Jiménez; Eduardo del Arco Fernández-Cano
Entity: Universidad Rey Juan Carlos
Student: José Torregrosa de las Heras
Obtained qualification: 10, propuesto para MH
Date of reading: 22/07/2014
European doctorate: No
Quality recognition: No
- 7** **Project title:** Algoritmos de detección y descripción de características visuales para el reconocimiento de objetos. Análisis y aplicaciones
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Bernard Hernández Pérez
Obtained qualification: 10, propuesto para MH
Date of reading: 19/07/2013
European doctorate: No
Quality recognition: No
- 8** **Project title:** Weaning Failure Prediction from Heterogeneous Time Series using Normalized Compression Distance and Multidimensional Scaling.
Type of project: Trabajo Fin de Máster
Co-director of thesis: Inmaculada Mora Jiménez; Alejandro Algora Weber; José Luis Rojo Álvarez
Entity: Universidad Rey Juan Carlos
Student: José María Lillo Castellano
Obtained qualification: 10, Matrícula de Honor



Date of reading: 27/06/2012
European doctorate: No
Quality recognition: No

- 9** **Project title:** Ontology for heart rate turbulence domain applying the conceptual model of SNOMED-CT
Type of project: Otros
Co-director of thesis: Inmaculada Mora Jiménez; Luis Lechuga; Francisco Javier Ramos López
Entity: Universidad Rey Juan Carlos
Student: Cristina Soguero Ruiz
Date of reading: 04/06/2012
European doctorate: No
Quality recognition: No
- 10** **Project title:** Advanced Intracardiac Electrogram Analysis for Arrhythmia Ablation Support.
Type of project: Doctoral thesis
Co-director of thesis: José Luis Rojo Álvarez; Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Margarita Sanromán Junquera
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 05/06/2014
European doctorate: Yes
Quality recognition: Yes **Date of award:** 06/10/2011
- 11** **Project title:** Machine Learning and Knowledge Management for Decision Support. Applications in Promotional Efficiency and Healthcare
Type of project: Doctoral thesis
Co-director of thesis: José Luis Rojo Álvarez; Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Cristina Soguero Ruiz
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 16/06/2015
European doctorate: Yes
Quality recognition: Yes **Date of award:** 06/10/2011
- 12** **Project title:** Robust Signal Processing in Cardiac Signals: Applications in Heart Rate Variability, Heart Rate Turbulence and Fibrillatory Arrhythmias
Type of project: Doctoral thesis
Co-director of thesis: José Luis Rojo Álvarez; Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Margarita Sanromán Junquera
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 11/06/2014
European doctorate: Yes
Quality recognition: Yes **Date of award:** 06/10/2011
- 13** **Project title:** Segmentación del Endocardio en Imágenes de Tomografía Axial Computarizada
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Álvaro García Cuenca
Obtained qualification: 10, Matrícula de Honor



Date of reading: 12/07/2011
European doctorate: No
Quality recognition: No

- 14** **Project title:** Diagnóstico de modelo y selección de variables para métodos de aprendizaje estadístico aplicados a efectividad promocional
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; José Luis Rojo Álvarez
Entity: Universidad Rey Juan Carlos
Student: Cristina Soguero Ruiz
Obtained qualification: 10, Matrícula de Honor
Date of reading: 22/06/2011
European doctorate: No
Quality recognition: No
- 15** **Project title:** Métodos de interpolación para la reconstrucción del campo de velocidad de tráfico vehicular
Type of project: End of course project
Co-director of thesis: Antonio José Caamaño Fernández
Entity: Universidad Rey Juan Carlos
Student: Vanesa Naranjo Jiménez
Obtained qualification: 10, propuesto para MH
Date of reading: 15/02/2011
European doctorate: No
Quality recognition: No
- 16** **Project title:** Reconstrucción de cavidades cardíacas en estudios de navegación electrofisiológica
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; José Luis Rojo Álvarez
Entity: Universidad Rey Juan Carlos
Student: José Ramón Pérez Jordán
Obtained qualification: 10, propuesto para MH
Date of reading: 07/02/2011
European doctorate: No
Quality recognition: No
- 17** **Project title:** Programación Evolutiva para Clasificación de Arritmias Cardíacas
Type of project: Proyecto Fin de Máster
Co-director of thesis: Inmaculada Mora Jiménez; José Luis Rojo Álvarez
Entity: Universidad Rey Juan Carlos
Student: Juan Francisco Martín García
Obtained qualification: 10
Date of reading: 10/09/2010
European doctorate: No
Quality recognition: No
- 18** **Project title:** Detección Automática de Señales de Tráfico mediante Procesamiento Digital de Imagen
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; Carlos Miguel Figuera Pozuelo
Entity: Universidad Rey Juan Carlos
Student: José María Lillo Castellano
Obtained qualification: 10, propuesto para MH



Date of reading: 18/07/2010
European doctorate: No
Quality recognition: No

- 19** **Project title:** Localización de arritmias mediante digitalización automática y procesado de electrogramas intracardíacos
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; José Luis Rojo Álvarez
Entity: Universidad Rey Juan Carlos
Student: Margarita Sanromán Junquera
Obtained qualification: 10. Matrícula de Honor
Date of reading: 09/09/2009
European doctorate: No
Quality recognition: No
- 20** **Project title:** Estudio de la eficiencia de encaminamiento en redes ad hoc móviles con el protocolo AODV
Type of project: Proyecto Fin de Máster
Co-director of thesis: Lorena Fernández Martínez
Entity: Universidad Rey Juan Carlos
Student: Hugo López Nombela
Obtained qualification: 10 Sobresaliente
Date of reading: 16/07/2009
European doctorate: No
Quality recognition: No
- 21** **Project title:** Prestaciones de las Redes Ad Hoc Inalámbricas: Teoría a través de Capas
Type of project: Doctoral thesis
Co-director of thesis: Antonio José Caamaño Fernández; Inmaculada Mora Jiménez
Entity: Universidad Rey Juan Carlos
Student: Eduardo Morgado Reyes
Obtained qualification: Sobresaliente Cum Laude por unanimidad
Date of reading: 14/07/2009
European doctorate: No
Quality recognition: No
- 22** **Project title:** Estudio de la Eficiencia de Encaminamiento del Protocolo AODV en redes ad hoc inalámbricas de gran escala
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; Lorena Fernández Martínez
Entity: Universidad Rey Juan Carlos
Student: María Elena Gil Jiménez
Obtained qualification: 10. Sobresaliente
Date of reading: 03/07/2009
European doctorate: No
Quality recognition: No
- 23** **Project title:** Estudio de la Eficiencia de Encaminamiento del Protocolo DSR en redes ad hoc inalámbricas de gran escala
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; Lorena Fernández Martínez
Entity: Universidad Rey Juan Carlos



Student: Maryna Kurmanava
Obtained qualification: 10 Sobresaliente
Date of reading: 02/07/2009
European doctorate: No
Quality recognition: No

24 **Project title:** Aprendizaje Multi-tarea selectivo utilizando Redes Neuronales Artificiales
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez; Jaisiel Madrid Sánchez
Entity: Universidad Rey Juan Carlos
Student: Marta Fernández Camba
Obtained qualification: 10. Sobresaliente
Date of reading: 24/10/2008
European doctorate: No
Quality recognition: No

25 **Project title:** On the Measurement of EGNOS Combined Performances
Type of project: Trabajo Fin de Máster
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Student: Miguel Aguilera Forero
Obtained qualification: 9.0
Date of reading: 29/02/2008
European doctorate: No
Quality recognition: No

26 **Project title:** Preprocesado de Imagen en Registros Continuos de Señales Cardíacas para su Digitalización
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid
Student: María José Calvo Aguilar
Obtained qualification: 10, Matrícula de Honor
Date of reading: 26/07/2007
European doctorate: No
Quality recognition: No

27 **Project title:** Recuperación de imágenes utilizando descriptores MPEG-7 de bajo nivel
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Student: Iván Fernández Pérez
Obtained qualification: 10. Matrícula de Honor
Date of reading: 15/02/2005
European doctorate: No
Quality recognition: No

28 **Project title:** Estudio de un método de imputación sucesiva en procesos de clasificación
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Student: Alberto Galán Rodrigo



Obtained qualification: 10. Matrícula de Honor
Date of reading: 31/01/2005
European doctorate: No
Quality recognition: No

29 **Project title:** Segmentación de características en cheques bancarios transmitidos por fax
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Student: Sergio González Jiménez
Obtained qualification: 10. Sobresaliente
Date of reading: 06/07/2004
European doctorate: No
Quality recognition: No

30 **Project title:** Selección dinámica de muestras guiada por k-NN para clasificadores basados en funciones de kernel
Type of project: End of course project
Co-director of thesis: Inmaculada Mora Jiménez
Entity: Universidad Carlos III de Madrid **Type of entity:** University
Student: Rebeca García Marciel
Obtained qualification: 10. Matrícula de Honor
Date of reading: 11/06/2003
European doctorate: No
Quality recognition: No

Student tutorials

Name of the programme: Mobility programme
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Frequency of the activity: 2

Educational or pedagogical publications, books, articles, etc.

- 1** Cristina Soguero Ruiz; Inmaculada Mora Jiménez. Innovación y Transformación Digital: estrategias y metodologías docentes en educación superior, pp. 151 - 162. Dykinson. ISBN 978-84-9148-907-8
Name of the materials: Aprender Haciendo y Relacionando en la Asignatura de Tratamiento Digital de la Imagen
Date of drafting: 2018
Format: Chapters of books
- 2** Inmaculada Mora Jiménez; David Gutiérrez Pérez; Francisco Javier Atero Gómez; José Luis Rojo Álvarez. I Encuentro de Intercambio de Experiencias en Innovación Docente en la URJC, Simulación, montaje y caracterización de un sistema básico de comunicaciones por línea. pp. 247 - 268. Universidad Rey Juan Carlos. 2009. ISBN 978-84-692-6552-9
Name of the materials: Simulación, montaje y caracterización de un sistema básico de comunicaciones por línea
Date of drafting: 24/06/2009
Format: Actas del Encuentro
Corresponding author: Yes



- 3** Inmaculada Mora Jiménez. Diseño e implementación de un sistema de comunicaciones digitales inalámbricas: aprendizaje multidisciplinar de las telecomunicaciones a través de un caso práctico, Calidad e innovación docente en el marco de la Convergencia Europea. pp. 189 - 198. Dykinson. 2008. ISBN 978-84-9849-235-4
Name of the materials: Calidad e innovación docente en el marco de la Convergencia Europea
Date of drafting: 2007
Format: Chapters of books
Corresponding author: Yes

Participation in innovative teaching projects

- 1** **Project title:** III Jornadas de Coaching Grupales para la mejora y rendimiento de alumnos de primer grado en Ingenierías de Telecomunicación
Type of participation: Principal investigator
Time of working relationship: For a limited time
Name of the main researcher: Inmaculada Mora Jiménez
Number of participants: 5
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/10/2015 - 31/07/2016
- 2** **Project title:** II Jornadas de Coaching Grupales para la mejora y rendimiento de alumnos de primer grado en Ingenierías de Telecomunicación
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Andrés Martínez Fernández
Number of participants: 5
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/10/2014 - 31/07/2015
- 3** **Project title:** I Jornadas de Coaching Grupales para la mejora y rendimiento de alumnos de primer grado
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: José Luis Rojo Álvarez
Number of participants: 5
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/10/2013 - 31/07/2014
- 4** **Project title:** Curso 0 y Coaching Grupales para Primero de Grados en Ingeniería: Especificaciones, Pruebas de Campo e Impacto en la Asignatura Señales y Sistemas
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: José Luis Rojo Álvarez
Number of participants: 5
Funding entity: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/10/2012 - 31/07/2013
- 5** **Project title:** Simulación, montaje y caracterización de un sistema básico de comunicaciones analógicas por línea
City of entity: Spain
Type of participation: Co-ordinator
Time of working relationship: For a limited time
Name of the main researcher: Inmaculada Mora Jiménez



Number of participants: 3

Funding entity: Universidad Rey Juan Carlos

Type of call: Competitive

Geographical area: Universidad Rey Juan Carlos

Start-End date: 01/10/2008 - 31/07/2009

Type of entity: University

6 **Project title:** Métodos docentes en innovación educativa en el marco del EEES desarrollados en la URJC: identificación, análisis y medición

City of entity: Spain

Type of participation: Team member

Time of working relationship: For a limited time

Number of participants: 1

Funding entity: Universidad Rey Juan Carlos

Type of call: Universidad Rey Juan Carlos

Geographical area: Universidad Rey Juan Carlos

Start-End date: 01/10/2007 - 31/07/2008

7 **Project title:** Simulación, montaje y caracterización de un sistema básico de comunicaciones analógicas por línea

City of entity: Spain

Type of participation: Co-ordinator

Time of working relationship: For a limited time

Name of the main researcher: Inmaculada Mora Jiménez

Number of participants: 3

Type of call: Non-competitive

Geographical area: Universidad Rey Juan Carlos

Start-End date: 01/10/2007 - 31/07/2008

8 **Project title:** Diseño e Implementación de un Sistema de Comunicaciones Inalámbricas: Aprendizaje Multidisciplinar de las Telecomunicaciones a través de un Caso Práctico

City of entity: Spain

Type of participation: Co-ordinator

Time of working relationship: For a limited time

Name of the main researcher: Inmaculada Mora Jiménez

Number of participants: 3

Funding entity: Universidad Rey Juan Carlos

Type of call: Competitive

Geographical area: Universidad Rey Juan Carlos

Start-End date: 01/10/2006 - 31/07/2007

9 **Project title:** Tutorías Integrales

Type of participation: Team member

Funding entity: Universidad Rey Juan Carlos

Start-End date: 01/10/2005 - 31/07/2006

Type of entity: University



Other activities/achievements not included above

- 1** **Description of the activity:** Asistente al Taller "Buenas prácticas en la Supervisión Doctoral"
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 13/12/2021
- 2** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad de Alicante
End date: 23/09/2016
- 3** **Description of the activity:** Participación como tribunal evaluador en 7 Trabajos Fin de Grado
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 06/07/2016
- 4** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 28/06/2016
- 5** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 22/04/2016
- 6** **Description of the activity:** Participación en 3 tribunales de Tesis Doctorales
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
End date: 10/02/2016
- 7** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad Politécnica de Valencia **Type of entity:** University
End date: 02/10/2015
- 8** **Description of the activity:** Participación como tribunal evaluador en 9 Proyectos Fin de Máster
Organising entity: Universidad Rey Juan Carlos
End date: 17/07/2015
- 9** **Description of the activity:** Participación como tribunal evaluador en 22 Proyectos Fin de Carrera
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 27/06/2014
- 10** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad de Alcalá **Type of entity:** University
End date: 17/11/2013
- 11** **Description of the activity:** Participación como tribunal evaluador en 13 Proyectos Fin de Máster
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
End date: 30/01/2013
- 12** **Description of the activity:** Participación como ponente en el seminario "eSalud y eAccesibilidad: Claves para la vida independiente de los colectivos vulnerables"
Organising entity: FUNDACIÓN VODAFONE ESPAÑA



End date: 22/04/2010

- 13** **Description of the activity:** Participación en 1 tribunal de Tesis Doctoral
Organising entity: Universidad Miguel Hernández de Elche **Type of entity:** University
End date: 21/07/2009
- 14** **Description of the activity:** Participación como tribunal evaluador en 7 Proyectos Fin de Carrera
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
End date: 30/10/2008
- 15** **Description of the activity:** Participación como ponente en el curso "Tecnología Bluetooth"
Organising entity: AENA **Type of entity:** State agency
End date: 06/10/2005
- 16** **Description of the activity:** Participación como ponente en el Programa formativo sobre el tratamiento de Imágenes para Policía Científica
Organising entity: Dirección General de Policía
End date: 10/11/2004
- 17** **Description of the activity:** Participación como ponente en el III y IV Curso de Tratamiento Digital de la Imagen
Organising entity: Universidad de verano de Teruel **Type of entity:** University
End date: 24/07/1999

Scientific and technological experience

Research and development groups/teams

Name of the group: GRUPO DE INVESTIGACIÓN DE ALTO RENDIMIENTO EN INGENIERÍA BIOMÉDICA Y CIENCIA DE DATOS EN DE LA UNIVERSIDAD REY JUAN CARLOS - BIOMEDICAL ENGINEERING AND DATA SCIENCE GROUP OF UNIVERSIDAD REY JUAN CARLOS

Name of principal investigator: José Luis Rojo Álvarez **Number of members in the group:** 35

City of group: Madrid, Spain

Identify key words: Engineering

Scientific or technological activities

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

- 1** **Name of the project:** Watching the risk factors: Artificial intelligence and the prevention of chronic conditions
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI...): Cristina Soguero Ruiz; Inmaculada Mora Jiménez
Name of the programme: Comisión Europea. Programa H2020
Code according to the funding entity: 101017385
Start-End date: 01/01/2021 - 31/12/2024
Total amount: 495.197 €
- 2** **Name of the project:** DAta and TRAnspOrtation Science COOPeration for a Sustainable Environment and a Socially responsible networked Mobility
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI...): Antonio García Marqués; Luis Cadarso Morga
Nº of researchers: 12
Funding entity or bodies:
Agencia Estatal de Investigación **Type of entity:** Administrative Body of the National Health System
Code according to the funding entity: TED2021-130347B-I00
Start-End date: 01/12/2022 - 30/11/2024
Total amount: 166.750 €
- 3** **Name of the project:** Modelos multiescala personalizados del corazón para la realización de ensayos clínicos in-silico: Efecto de la obesidad en las arritmias cardíacas
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI...): Laura MartínezMateu Mateu
Nº of researchers: 7
Funding entity or bodies:
Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/01/2023 - 31/12/2023
Total amount: 5.455,38 €
- 4** **Name of the project:** Ciencia de Datos Fundamentada Desde y Para Aplicaciones en Salud y Turismo
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI...): Inmaculada Mora Jiménez
Nº of researchers: 14
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
Code according to the funding entity: PID2019-106623RB-C41
Start-End date: 01/06/2020 - 31/05/2023
Total amount: 115.313 €

- 5** **Name of the project:** Ayudas para la contratación de Investigadores Predoctorales de la Comunidad de Madrid
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez
Nº of researchers: 2
Funding entity or bodies: Comunidad de Madrid **Type of entity:** Comunidad de Madrid
Start-End date: 01/04/2021 - 31/03/2023
Total amount: 48.302 €
- 6** **Name of the project:** Reconocimiento de Patrones Multimodales para Caracterización y Predicción de la Evolución Clínica de Pacientes Afectados por SARS-COV-2
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez; Ángel Torrado Carvajal
Nº of researchers: 12
Funding entity or bodies: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/01/2021 - 30/06/2022
Participating entity/entities: Fundación de investigación HM Hospitales; Hospital Universitario del Sureste; Universidad Rey Juan Carlos
Total amount: 20.000 €
- 7** **Name of the project:** Métodos de aprendizaje automático y visualización de datos clínicos para predecir la multirresistencia antimicrobiana en la unidad de cuidados intensivos
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Cristina Soguero Ruiz
Nº of researchers: 8
Funding entity or bodies: Universidad Rey Juan Carlos **Type of entity:** University
Start-End date: 01/01/2020 - 31/12/2021
Total amount: 32.214,52 €
- 8** **Name of the project:** Ayudas para la contratación de Investigadores Predoctorales de la Comunidad de Madrid
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez
Nº of researchers: 2
Funding entity or bodies: Comunidad de Madrid **Type of entity:** Comunidad de Madrid
Start-End date: 01/03/2020 - 31/03/2021
Total amount: 25.000 €



- 9** **Name of the project:** Red de Excelencia - Máquinas de Aprendizaje para Problemas y Aplicaciones Singulares
Entity where project took place: Universidad Carlos III de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): Aníbal R. Figueiras Vidal
Nº of researchers: 9
Start-End date: 01/07/2018 - 30/06/2020
Total amount: 10.000 €
- 10** **Name of the project:** Extracción de Conocimiento para Predicción de la Evolución Clínica usando Análisis de Datos (KLINILYCS)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez; Óscar Barquero Pérez
Nº of researchers: 14
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of participation: Principal investigator
Code according to the funding entity: TEC2016-75361-R
Start-End date: 01/01/2017 - 31/12/2019 **Duration:** 3 years
Participating entity/entities: Hospital Universitario de Fuenlabrada; Universidad Rey Juan Carlos
Total amount: 118.800 €
Dedication regime: Full time
- 11** **Name of the project:** De hipertensión arterial a diabetes. Identificación de factores de riesgo mediante aprendizaje automático con datos heterogéneos
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Cristina Soguero Ruiz
Nº of researchers: 13
Start-End date: 01/10/2017 - 31/07/2019
Total amount: 28.050 €
- 12** **Name of the project:** Programa Redes Eléctricas Inteligentes en la Comunidad de Madrid
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Name principal investigator (PI, Co-PI....): Francisco Javier Rodríguez Sánchez
Nº of researchers: 43
Funding entity or bodies: Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid
Type of participation: Team member
Code according to the funding entity: S2013/ICE-2933
Start-End date: 01/10/2014 - 01/10/2017 **Duration:** 3 years
Participating entity/entities: Fundación IMDEA Energía; Universidad Carlos III de Madrid; Universidad Pontificia Comillas de Madrid; Universidad Rey Juan Carlos; Universidad de Alcalá (coord.)



Total amount: 769.500 €

Dedication regime: Full time

13 Name of the project: Diseño de algoritmos de soft-computing para problemas de predicción de energía eólica, fotovoltaica y mareomotriz por olas

Type of project: Precompetitive development

Geographical area: Local

Entity where project took place: Universidad Rey Juan Carlos

Type of entity: University

Name principal investigator (PI, Co-PI...): Antonio José Caamaño Fernández; Sancho Salcedo Sanz

Nº of researchers: 10

Funding entity or bodies:

Campus Excelencia Internacional <<Energía Inteligente>> - Univ. Rey Juan Carlos/Univ. de Alcalá

Type of participation: Team member

Name of the programme: Premios 2015 Campus Excelencia Internacional

Start-End date: 30/09/2015 - 31/12/2016

Duration: 1 year - 3 months

Participating entity/entities: Universidad Rey Juan Carlos; Universidad de Alcalá

Total amount: 4.000 €

14 Name of the project: Procesado Digital No Lineal y Aprendizaje Estadístico con Núcleos de Autocorrelación para Aplicaciones en Salud

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Rey Juan Carlos

Type of entity: University

Name principal investigator (PI, Co-PI...): José Luis Rojo Álvarez; Antonio José Caamaño Fernández

Nº of researchers: 16

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of participation: Team member

Code according to the funding entity: TEC2013-48439-C4-1-R

Start-End date: 01/01/2014 - 31/12/2016

Duration: 3 years

Participating entity/entities: Fundación para la Formación e Investigación Sanitarias de la Región de Murcia; Universidad Pablo de Olavide; Universidad Rey Juan Carlos (coord)

Total amount: 285.500 €

Dedication regime: Full time

15 Name of the project: Grupo de excelencia investigadora "Tecnologías de la Información y las Comunicaciones"

Type of project: Precompetitive development

Geographical area: Local

Entity where project took place: Universidad Rey Juan Carlos

Name principal investigator (PI, Co-PI...): Francisco Javier Ramos López

Nº of researchers: 41

Funding entity or bodies:

Universidad Rey Juan Carlos-Banco de Santander

Type of participation: Team member

Start-End date: 18/12/2014 - 18/12/2016

Duration: 2 years

Total amount: 20.087,06 €



- 16** **Name of the project:** Sistema de monitorización de señales vitales a domicilio no intrusivo: VITALMOB
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Name principal investigator (PI, Co-PI....): Ricardo Ruiz Fernández; José Luis Rojo Álvarez
Nº of researchers: 3
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of participation: Team member
Name of the programme: INNPACTO 2012
Code according to the funding entity: IPT-2012-1126-300000
Start-End date: 17/07/2012 - 31/12/2015 **Duration:** 3 years - 5 months - 14 days
Participating entity/entities: Bet Quality Of Life SL; Centro Tecnológico del Mueble y la madera de Murcia; Fundación para la Formación e Investigación Sanitarias de la Región de Murcia; I&Don Technology; RGB Medical Devices SA (Coordinador); Universidad Rey Juan Carlos
Total amount: 926.655,7 € **Sub-project amount:** 46.645 €
Dedication regime: Full time
- 17** **Name of the project:** Extracción de Características y Selección de Variables en Registros Multivariados Prolongados (EXCALIVUR)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
City of entity: Fuenlabrada, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez
Nº of researchers: 17
Type of participation: Principal investigator
Name of the programme: TCM
Code according to the funding entity: TEC2010-19263
Start-End date: 01/01/2011 - 31/12/2014 **Duration:** 4 years
Participating entity/entities: Hospital Universitario Virgen de La Arrixaca; Universidad Carlos III de Madrid; Universidad Miguel Hernández de Elche; Universidad Rey Juan Carlos; Universidad de Minnesota
Total amount: 120.200 € **Sub-project amount:** 120.200 €
Dedication regime: Full time
- 18** **Name of the project:** Red Temática Española para el Avance y la Transferencia de la Inteligencia Computacional Aplicada (ATICA)
Entity where project took place: Universitat Politècnica de Catalunya **Type of entity:** University
Name principal investigator (PI, Co-PI....): Miquel Sánchez Marre
Funding entity or bodies: Ministerio de Economía y Competitividad
Code according to the funding entity: TIN-2011-14083-E
Start-End date: 01/01/2012 - 31/12/2012 **Duration:** 1 year
Participating entity/entities: Universidad Rey Juan Carlos; Univ. Carlos III de Madrid; Univ. Politécnica de Catalunya (coord); otros (red temática)
Total amount: 30.000 €



- 19** **Name of the project:** Localización del origen de arritmias cardiacas mediante modelado y tecnologías de la información y comunicaciones (LOCMOTIC)
Type of project: Research and development, including transfer
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Type of entity: University
Name principal investigator (PI, Co-PI....): Antonio García Marqués
Nº of researchers: 18
Funding entity or bodies: Ministerio de Industria, Turismo y Comercio
Type of participation: Team member
Code according to the funding entity: TSI-020100-2010-469
Start-End date: 01/01/2010 - 31/12/2012
Duration: 3 years
Participating entity/entities: BIOSENSE WEBSTER SA; Daitelmed SL; Hospital de Madrid SA (coordinadora); Persei Consulting SL; Sorin Group S.L; Universidad Carlos III de Madrid; Universidad Politécnica de Valencia; Universidad Rey Juan Carlos; Universidad de Zaragoza
Total amount: 35.448,84 €
Dedication regime: Full time
- 20** **Name of the project:** Procesado multicomponente espacial distribuido de registros electricos cardiacos con procesado de señal e imagen
Type of project: Research and development, including transfer
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Type of entity: University
Name principal investigator (PI, Co-PI....): José Luis Rojo Álvarez
Nº of researchers: 32
Funding entity or bodies: MINISTERIO DE EDUCACION, CULTURA Y DEPORTE
Type of participation: Team member
Start-End date: 01/01/2010 - 31/12/2011
Duration: 2 years
Total amount: 30.000 €
Dedication regime: Full time
- 21** **Name of the project:** Guiado Automático De Vehículos De Transporte Público Mediante Percepción Multimodal Para Mejorar La Eficiencia (GUIADE)
Type of project: Research and development, including transfer
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Type of entity: University
Name principal investigator (PI, Co-PI....): Juan José Vinagre Díaz
Nº of researchers: 23
Funding entity or bodies: MINISTERIO DE FOMENTO
Type of participation: Team member
Code according to the funding entity: P9/08
Start-End date: 01/10/2008 - 31/12/2011
Duration: 3 years - 3 months



Participating entity/entities: Albentia Systems S.A; ETRA Investigación y Desarrollo; Instituto de Automática Industrial; Selest Networks; Sociedad Ibérica de Construcciones Eléctricas SICE; Universidad Rey Juan Carlos; Universidad de Alcalá

Total amount: 3.832.640,25 €

Sub-project amount: 530.840 €

Dedication regime: Full time

22 Name of the project: Herramienta de interrelaciones complejas entre variables explicativas de la accidentalidad (ACCIDENT0)

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Scientific coordinator

Entity where project took place: Universidad Rey Juan Carlos

Type of entity: University

City of entity: Fuenlabrada, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez

Nº of researchers: 16

Funding entity or bodies:

Ministerio de Industria Turismo y Comercio

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Code according to the funding entity: TSI-020100-2009-735

Start-End date: 01/01/2009 - 30/09/2011

Duration: 2 years - 9 months

Participating entity/entities: IPS VIAL; Universidad Rey Juan Carlos

Total amount: 262.850 €

Sub-project amount: 140.000 €

Dedication regime: Full time

23 Name of the project: Personalizable interactions with resources on ami-enabled mobile dynamic environments (PIRAMIDE)

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Rey Juan Carlos

Type of entity: University

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 23

Funding entity or bodies:

Ministerio de Industria, Turismo y Comercio

Type of participation: Team member

Name of the programme: Proyecto singular de carácter estratégico

Code according to the funding entity: TSI-020301-2008-2

Start-End date: 01/01/2008 - 31/12/2010

Duration: 3 years

Participating entity/entities: AECOC; AIICPA; Abama Technologies; Agoteck Desarrollo Tecnológico SL; Atos Origin; Inixa del Principado SL; Nomasystem SL; ONCE-CIDAT; Servinform SA; Siemens; Telefónica I+D; Treelogic (coordinador); Universidad Politécnica de Cartagena; Universidad Politécnica de Madrid; Universidad Rey Juan Carlos; Universidad de Deusto; Universidad de la Coruña

Total amount: 223.600 €

Dedication regime: Full time

24 Name of the project: Algoritmia SVM especializada y aplicaciones a Comunicaciones Inalámbricas

Type of project: Research and development, including transfer

Geographical area: National



Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos
Type of entity: University
Name principal investigator (PI, Co-PI....): José Luis Rojo Alvarez
Nº of researchers: 10
Funding entity or bodies: Ministerio de Educación y Ciencia
Type of participation: Team member
Name of the programme: Comisión Interministerial de Ciencia y Tecnología (CICYT)
Code according to the funding entity: TEC2007-68096-C02-01/TCM
Start-End date: 01/10/2007 - 30/09/2010 **Duration:** 3 years
Total amount: 72.600 €
Dedication regime: Full time

- 25** **Name of the project:** Predicción de muerte súbita cardíaca y monitorización de señales electrocardiográficas mediante máquinas de vectores soporte
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez
Nº of researchers: 10
Type of participation: Principal investigator
Code according to the funding entity: URJC-CM-2008-CET-3732
Start-End date: 01/01/2009 - 31/01/2010 **Duration:** 1 year - 1 month
Participating entity/entities: Hospital Universitario Virgen de la Arrixaca de Murcia; Universidad Rey Juan Carlos
Total amount: 21.000 €
Dedication regime: Full time
- 26** **Name of the project:** Procesamiento Multimedia Distribuido (PRO-MULTIDIS)
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Aníbal Ramón Figueiras Vidal; Francisco Javier Ramos López
Nº of researchers: 11
Funding entity or bodies: PRICIT. COMUNIDAD AUTONOMA DE MADRID
Type of participation: Team member
Name of the programme: PRICIT (CAM)
Code according to the funding entity: P-TIC-000223-0505
Start-End date: 01/01/2006 - 31/12/2009 **Duration:** 4 years
Participating entity/entities: Universidad Autónoma de Madrid; Universidad Carlos III de Madrid (coord); Universidad Rey Juan Carlos
Total amount: 128.000 €
Dedication regime: Full time



- 27** **Name of the project:** Java Utilities for Enhanced Videoservices Enabling (Jueves)
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad Rey Juan Carlos **Type of entity:** University
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Funding entity or bodies: Programa Nacional de I+D+I
Type of participation: Team member
Code according to the funding entity: FIT-350110-2005-25
Start-End date: 15/11/2005 - 15/03/2006 **Duration:** 4 months
Participating entity/entities: Soluciones de vídeo y comunicaciones Hache; Universidad Rey Juan Carlos
Total amount: 50.000 €
Dedication regime: Full time
- 28** **Name of the project:** Nuevos Algoritmos para la Gestión Eficiente de Contenidos Multimedia en Redes de Comunicaciones Móviles
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad Carlos III de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): Aníbal Ramón Figueiras Vidal
Nº of researchers: 12
Funding entity or bodies: Ministerio de Ciencia y Tecnología
Type of participation: Team member
Code according to the funding entity: TIC2002-03713
Start-End date: 01/12/2002 - 30/11/2005 **Duration:** 3 years
Participating entity/entities: Universidad Carlos III de Madrid
Total amount: 177.767 €
Dedication regime: Full time
- 29** **Name of the project:** Nuevas Técnicas de Estimación Basadas en Máquinas de Vectores Soporte para Estimación de Canales MIMO y Series Financieras
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Universidad Carlos III de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): Fernando Pérez Cruz
Nº of researchers: 8
Funding entity or bodies: COMUNIDAD DE MADRID
Type of participation: Team member
Code according to the funding entity: 07T/0016/2003
Start-End date: 01/10/2003 - 01/10/2004 **Duration:** 1 year
Participating entity/entities: Universidad Carlos III de Madrid
Total amount: 27.600 €

**R&D non-competitive contracts, agreements or projects with public or private entities**

- 1** **Name of the project:** INVESTIGO. Contratación de jóvenes investigadores para llevar a cabo proyectos de investigación en I+D+i
Degree of contribution: Coordinator of total project, network or consortium
N° of researchers: 2
Funding entity or bodies:
 Comunidad de Madrid y Universidad Rey Juan Carlos
Start date: 28/10/2022 **Duration:** 1 year
Total amount: 34.008,92 €
- 2** **Name of the project:** Experto en Análisis de Datos y Aprendizaje Automático en el Sistema Sanitario
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI...): Inmaculada Mora Jiménez
N° of researchers: 11
Participating entity/entities: Sociedad Española de Farmacia Hospitalaria; Universidad Rey Juan Carlos
Funding entity or bodies:
 Clover SGM **Type of entity:** Business
City funding entity: Madrid, Spain
Start date: 30/03/2021 **Duration:** 1 year
Total amount: 25.000 €
- 3** **Name of the project:** Marketing Campaigns Optimization Exploring Data Science Techniques
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Cristina Soguero Ruiz
N° of researchers: 4
Funding entity or bodies:
 BBVA Data & Analytics S.L.
Start date: 01/01/2018 **Duration:** 1 year
- 4** **Name of the project:** Big Data Analytics y Estructura Organizacional en Cruz Roja Española.
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Cristina Soguero Ruiz; José Luis Rojo Álvarez
N° of researchers: 4
Funding entity or bodies:
 Cruz Roja Española **Type of entity:** Organismo
City funding entity: Segovia, Castile and León, Spain
Code according to the funding entity: F491
Start date: 01/01/2017 **Duration:** 10 months
Total amount: 4.500 €
- 5** **Name of the project:** BigSeeds - Análisis de Señal y Grandes Datos Biométricos en la Nube
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Inmaculada Mora Jiménez
N° of researchers: 4

**Funding entity or bodies:**

Persei Consulting S.L

Type of entity: Business**City funding entity:** Madrid, Community of Madrid, Spain**Code according to the funding entity:** F491**Start date:** 01/09/2015**Duration:** 6 months**Total amount:** 13.125,81 €

6 **Name of the project:** Monitorización de las arritmias cardiacas en sistemas de información telemédicos para dispositivos de soporte vital.

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** José Luis Rojo Álvarez**Nº of researchers:** 22**Funding entity or bodies:**

Fundación para la Formación e Investigación Sanitarias de la Región de Murcia

Start date: 01/06/2012**Duration:** 10 months**Total amount:** 19.667 €

7 **Name of the project:** CITYPROG: investigación y desarrollo de algoritmos de detección de incidencias y planificación de rutas en entorno urbano

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Ana Belén Rodríguez González**Nº of researchers:** 19**Funding entity or bodies:**

Sociedad Ibérica de Construcciones Eléctricas (SICE)

Start date: 21/07/2011**Duration:** 2 years - 4 months**Total amount:** 296.780 €

8 **Name of the project:** Predicción de hospitalización y monitorización con dispositivos implantables mediante procesado de señal y métodos de aprendizaje (PRHISMA)

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** José Luis Rojo Álvarez**Nº of researchers:** 27**Funding entity or bodies:**

Fundación Médica para la Investigación y el Desarr

Start date: 28/03/2011**Duration:** 7 months**Total amount:** 18.000 €

9 **Name of the project:** Seminario sobre Telecomunicaciones: una oportunidad importante para el mantenimiento de la Sociedad del Bienestar

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Javier Ramos López**Nº of researchers:** 10**Funding entity or bodies:**

Fundación Vodafone España

Start date: 15/03/2011**Duration:** 2 months



Total amount: 20.000 €

10 Name of the project: Investigación, diseño y desarrollo de un sistema de localización para la seguridad y prevención de accidentes para trabajadores de obras ferroviarias

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Juan José Vinagre Díaz

Nº of researchers: 18

Funding entity or bodies:

Idom Internacional, S.A. Ingeniería

Code according to the funding entity: F326

Start date: 01/02/2011

Duration: 1 year

Total amount: 49.580 €

11 Name of the project: Diseño y desarrollo de un sistema personal de seguridad y prevención de accidentes para trabajadores de obras ferroviarias

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Juan José Vinagre Díaz

Nº of researchers: 18

Funding entity or bodies:

COMSA

Start date: 26/07/2010

Duration: 1 year - 6 months

Total amount: 47.990 €

12 Name of the project: Diseño de redes de comunicaciones con técnicas de optimización estadística (directo)

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): José Luis Rojo Álvarez

Nº of researchers: 26

Funding entity or bodies:

Red Eléctrica de España, SAU

Start date: 19/07/2010

Duration: 1 year - 6 months

Total amount: 35.000 €

13 Name of the project: Seminario sobre ¿eSalud y eAccesibilidad: Claves para la vida independiente de los colectivos vulnerables¿

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 12

Funding entity or bodies:

Fundación Vodafone España

Start date: 23/03/2010

Duration: 2 months

Total amount: 18.000 €



- 14** **Name of the project:** Catedra de investigación en emprendimiento social en TIC para el desarrollo
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Andrés Martínez Fernández
Nº of researchers: 18
Funding entity or bodies:
Fundación Ashoka
Start date: 05/02/2010 **Duration:** 3 years
Total amount: 105.000 €
- 15** **Name of the project:** Prolongued ECG monitoring and risk stratification (PREMARIS)
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Inmaculada Mora Jiménez
Nº of researchers: 22
Funding entity or bodies:
Fundación para la formación e investigación sanitarias de la región de Murcia (FFIS)
Start date: 01/10/2009 **Duration:** 4 months
Total amount: 24.439 €
- 16** **Name of the project:** Seminario sobre Comunicaciones Vehiculares a favor de la Autonomía Personal y la Vida Independiente de los Colectivos Vulnerables
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 13
Funding entity or bodies:
Fundación Vodafone España
Start date: 12/03/2009 **Duration:** 2 months
Total amount: 10.000 €
- 17** **Name of the project:** Informe científico-técnico sobre localización de origen de arritmias mediante análisis de señales almacenadas en desfibrilador implantable.
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): José Luis Rojo Álvarez
Nº of researchers: 20
Funding entity or bodies:
SATEC
Start date: 13/02/2009 **Duration:** 2 months - 29 days
Total amount: 3.000 €
- 18** **Name of the project:** Localización precisa multiplanta y en tres dimensiones en entornos de interior mediante la utilización de redes y tecnologías inalámbricas tipo ZigBee
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Juan José Vinagre Díaz
Nº of researchers: 19
Funding entity or bodies:



SATEC

Start date: 30/10/2008

Duration: 8 months

Total amount: 40.000 €

19 Name of the project: Curso de formación: nuevas tecnologías y seguridad de automoción.

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI...): Julio Ramiro Bargeño

Nº of researchers: 19

Funding entity or bodies:

FITSA Fund. Inst.Tecnol. para la Seg. del Autom.

Start date: 20/10/2008

Duration: 3 days

Total amount: 10.000 €

20 Name of the project: Telemedicina rural en zonas aisladas de países en desarrollo

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI...): Francisco Javier Simó Reigadas

Nº of researchers: 4

Funding entity or bodies:

FUNDACIÓN ENLACE HISPANOAMERICANO DE SALUD

Start date: 23/06/2008

Duration: 1 year

Total amount: 19.500 €

21 Name of the project: Implantación y puesta en marcha de una Aplicación que permita el registro de las incidencias que se producen en la calle 30, su seguimiento, representación cartográfica, el calculo de un conjunto de i

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI...): Eduardo Morgado Reyes

Nº of researchers: 19

Funding entity or bodies:

Empresa de Mantenimiento y Explotación M30 S.A.

Start date: 20/06/2008

Duration: 6 months - 30 days

Total amount: 16.000 €

22 Name of the project: Seminario "Sistemas de navegación por Satélite.El programa Europeo"

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI...): Inmaculada Mora Jiménez

Nº of researchers: 19

Funding entity or bodies:

Aeropuertos Españoles y Navegación Aérea (AENA)

Start date: 16/04/2008

Duration: 2 months - 18 days

Total amount: 4.700 €

23 Name of the project: Desarrollo de un prototipo de pruebas para localización en interiores mediante tecnología ZigBee.

Type of project: Research and development, including transfer



Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 7
Participating entity/entities: Universidad Rey Juan Carlos
Funding entity or bodies:
SATEC

Start date: 18/10/2007 **Duration:** 3 months

24 Name of the project: Desarrollo de un prototipo de pruebas para localización en interiores mediante tecnología Zigbee

Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 5
Start date: 18/10/2007 **Duration:** 3 months

25 Name of the project: Estudio de la probabilidad de bloqueo de Móviles WiMAX TDD sobre Móviles UMTS FDD en la Banda de 2.6GHz

Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Antonio José Caamaño Fernández
Nº of researchers: 2
Participating entity/entities: REDSOFT SOLUTIONS, S.L.
Start date: 18/10/2007 **Duration:** 3 months

26 Name of the project: Análisis de Señal para Monitorización de Holter Prolongada en Estratificación de Riesgo Cardíaco

Type of project: Research and development, including transfer
Degree of contribution: Researcher
Nº of researchers: 1
Participating entity/entities: FUNDACIÓN PARA LA FORMACIÓN E INVESTIGACIÓN SANITARIAS DE LA REGIÓN DE MURCIA.; Universidad Rey Juan Carlos
Start date: 01/10/2007 **Duration:** 1 year - 6 months

27 Name of the project: Consultoría para realizar los trabajos relacionados con el sector de Infraestructuras de Telecomunicaciones del Plan de Ordenación del Territorio de Castilla la Mancha

Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Andrés Martínez Fernández
Nº of researchers: 7
Participating entity/entities: Universidad Rey Juan Carlos
Funding entity or bodies:
UTE COMPAÑÍA PLANIFICADORA S.L.-ALFREDO CARDA
Start date: 30/07/2007 **Duration:** 2 years
Total amount: 7.080 €

28 Name of the project: Informe sobre herramientas SW para redes de sensores

Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Antonio José Caamaño Fernández



Nº of researchers: 13

Participating entity/entities: MÉTODOS Y TECNOLOGÍA DE PROCESOS Y SISTEMAS (MTP);
Universidad Rey Juan Carlos

Code according to the funding entity: F097

Start date: 12/06/2007

Duration: 1 month - 6 days

29 Name of the project: Investigación y desarrollo de nuevas aplicaciones para sistemas de call-center

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Nº of researchers: 1

Participating entity/entities: Solaiemes, S.L.

Start date: 09/06/2007

Duration: 1 year

30 Name of the project: Curso de Radio Madrid Barajas.

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Juan José Vinagre Díaz

Nº of researchers: 14

Participating entity/entities: Depart. de Teoría de la Señal y Comunicaciones. URJC.

Funding entity or bodies:

AVANZIT TECNOLOGIA, S.L.

Start date: 01/06/2007

Duration: 1 month

Total amount: 7.200 €

31 Name of the project: Definición y especificaciones técnicas de plataforma de medida automatizada de la calidad del Espectro en el marco del proyecto MESEO

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 6

Participating entity/entities: Universidad Rey Juan Carlos

Start date: 24/04/2007

Duration: 1 year

32 Name of the project: Análisis de PAMBOX y competidores

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Nº of researchers: 1

Participating entity/entities: TELEFONICA INGENIERIA DE SEGURIDAD S.A.U.; Universidad Rey Juan Carlos

Start date: 24/04/2007

Duration: 2 months

33 Name of the project: Definición de especificaciones de plataforma software de bajo coste para distribución de contenidos multimedia en el marco del proyecto X-CONT

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 3

Participating entity/entities: IBER BAND EXCHANGE S.A.; Universidad Rey Juan Carlos

Start date: 24/04/2007

Duration: 1 year



- 34** **Name of the project:** Definición y especificaciones técnicas de plataforma de medida automatizada de la calidad del espectro en el marco del proyecto MESEO
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 2
Participating entity/entities: Iber Wifi Exchange S.L.U.; Universidad Rey Juan Carlos
Start date: 24/04/2007 **Duration:** 1 year
- 35** **Name of the project:** Evaluación de prestaciones y estudios de viabilidad de la distribución de contenidos multimedia sobre redes Wifi rurales para el proyecto X-CONT
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 2
Participating entity/entities: IBER BAND EXCHANGE S.A.; Universidad Rey Juan Carlos
Start date: 24/04/2007 **Duration:** 1 year
- 36** **Name of the project:** Pruebas de un prototipo de plataforma de distribución de contenidos multimedia sobre Wifi para el proyecto X-CONT
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 2
Participating entity/entities: IBER BAND EXCHANGE S.A.; Universidad Rey Juan Carlos
Start date: 24/04/2007 **Duration:** 1 year
- 37** **Name of the project:** Adaptación de una plataforma software para la distribución de contenidos multimedia via Wifi para el proyecto X-CONT
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 6
Participating entity/entities: Universidad Rey Juan Carlos
Funding entity or bodies:
IBER BAND EXCHANGE
Start date: 24/02/2007 **Duration:** 1 year - 1 month - 30 days
- 38** **Name of the project:** Análisis de la señal de Fibrilación Ventricular (ANFIVE)
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): José Luis Rojo Álvarez
Nº of researchers: 5
Participating entity/entities: GUIDANT S.A.; Hospital Universitario Virgen de la Arrixaca de Murcia; UNIVERSIDAD CARLOS III DE MADRID. (LEGANES); Universidad Rey Juan Carlos
Start date: 09/11/2006 **Duration:** 1 year
- 39** **Name of the project:** Localización en interiores y entornos acotados mediante la utilización de redes y tecnologías inalámbricas
Type of project: Research and development, including transfer
Degree of contribution: Researcher



Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 2
Participating entity/entities: SATEC; Universidad Rey Juan Carlos
Start date: 30/10/2006 **Duration:** 1 year

40 Name of the project: Telemedicina rural en zonas aisladas de países en desarrollo
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Simó Reigadas
Nº of researchers: 2
Participating entity/entities: FUNDACIÓN ENLACE HISPANOAMERICANO DE SALUD; Universidad Rey Juan Carlos
Funding entity or bodies:
FUNDACIÓN ENLACE HISPANOAMERICANO DE SALUD
Start date: 30/05/2006 **Duration:** 1 year
Total amount: 19.500 €

41 Name of the project: Definición e implantación de un Entorno de Trabajo para la gestión y desarrollo de software libre en Vodafone R&D
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Jesús María González Barahona
Nº of researchers: 2
Participating entity/entities: Universidad Rey Juan Carlos; VODAFONE ESPAÑA, S.A.U.
Start date: 03/04/2006 **Duration:** 7 months - 29 days

42 Name of the project: Estudio de las Prestaciones de Distintas Tecnologías de Banda Ancha Inalámbrica Fija y Móvil en Entornos Suburbanos (2ª parte)
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Antonio José Caamaño Fernández
Nº of researchers: 9
Participating entity/entities: REDSOFT SOLUTIONS, S.L.; Universidad Rey Juan Carlos
Funding entity or bodies:
REDSOFT SOLUTIONS, S.L.
Start date: 01/01/2006 **Duration:** 2 months
Total amount: 10.000 €

43 Name of the project: Investigación sobre nuevos servicios de comunicaciones móviles para la ayuda a personas con discapacidad
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 13
Participating entity/entities: Fundación Vodafone
Funding entity or bodies:
Fundación Vodafone España
Start date: 01/11/2005 **Duration:** 1 year
Total amount: 10.000 €



- 44** **Name of the project:** Java Utilities for Enhanced Videoservices Enabling (Jueves)
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 9
Participating entity/entities: Soluciones de video y comunicaciones hache
Funding entity or bodies:
REDSOFT SOLUTIONS, S.L.
- Start date:** 01/11/2005 **Duration:** 5 months
Total amount: 10.000 €
- 45** **Name of the project:** Planificación Radio de una Red WiMAX en cinco Comunidades Autónomas.
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 11
Participating entity/entities: REDSOFT SOLUTIONS, S.L.
Funding entity or bodies:
REDSOFT SOLUTIONS, S.L.
- Start date:** 01/11/2005 **Duration:** 1 year
Total amount: 10.000 €
- 46** **Name of the project:** Investigación sobre Planificación Integrada de Redes wireless y desarrollo de los consiguientes módulos software para herramienta de planificación. Módulo de Test-Drive
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 9
Participating entity/entities: REDSOFT SOLUTIONS, S.L.
Funding entity or bodies:
REDSOFT SOLUTIONS, S.L.
- Start date:** 01/09/2005 **Duration:** 3 months
Total amount: 20.000 €
- 47** **Name of the project:** Estudio de las Prestaciones de Distintas Tecnologías de Banda Ancha Inalámbrica Fija y Móvil en Entornos Suburbanos
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Antonio José Caamaño Fernández
Nº of researchers: 3
Participating entity/entities: REDSOFT SOLUTIONS, S.L.; Universidad Rey Juan Carlos
Start date: 27/07/2005 **Duration:** 1 month
- 48** **Name of the project:** Asesoría y Formación sobre IEEE802.11 y IEEE802.15.
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López
Nº of researchers: 5
Participating entity/entities: AVANZIT TECNOLOGIA, S.L.
Funding entity or bodies:



AVANZIT TECNOLOGIA, S.L.

Start date: 01/07/2005

Duration: 4 months

Total amount: 2.900 €

49 Name of the project: Planificación Integrada de Redes Wireless y desarrollo de los consiguientes módulos software para herramienta de planificación.

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 8

Participating entity/entities: REDSOFT SOLUTIONS, S.L.

Funding entity or bodies:

REDSOFT SOLUTIONS, S.L.

Start date: 01/06/2005

Duration: 4 months

Total amount: 10.000 €

50 Name of the project: Convenio Marco para la Realización de Investigaciones y Desarrollo en el ámbito de las Telecomunicaciones Rurales

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 12

Participating entity/entities: Ingenova Consulting SL

Funding entity or bodies:

Ingenova Consulting, SLU

Start date: 01/05/2005

Duration: 2 years

Total amount: 0 €

51 Name of the project: Elaboración de un análisis detallado sobre el posible impacto en la salud de los ciudadanos que pudiera ocasionar la estación base de telefonía móvil situada en la calle Julio Romero, 1 de la ciudad de Móstoles

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Javier Ramos López

Nº of researchers: 3

Participating entity/entities: AYUNTAMIENTO DE MÓSTOLES; Universidad Rey Juan Carlos

Start date: 05/2005

Duration: 1 year - 1 month

52 Name of the project: Técnicas Máquina de Clasificación y Agrupamiento aplicadas a la Detección de Fraude Telefónico

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Aníbal R. Figueiras Vidal

Nº of researchers: 2

Participating entity/entities: Telefónica Investigación y Desarrollo, SA; UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)

Start date: 04/2003

Duration: 1 year - 1 month



- 53** **Name of the project:** Diseño e Implementación de un Gestor Dinámico de Fondos de Inversión
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Aníbal R. Figueiras Vidal
Nº of researchers: 2
Participating entity/entities: Finanzas Patrimoniales SGC, SA; UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)
Start date: 01/03/1999 **Duration:** 9 months - 29 days
- 54** **Name of the project:** DC-VIEW: Gestión de Recursos en Redes de Emergencias
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Narcís Cardona Marcet
Nº of researchers: 2
Participating entity/entities: Heliwescam, SA; Universidad Politécnica de Valencia (UPV)
Start date: 01/04/1998 **Duration:** 1 month

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** J.M. Lillo Castellano; M. Marina Breyse; A. Gómez Gallanti; J.M. Martínez Ferrer; J. Alzueta; L. Pérez Álvarez; A. Alberola; I. Fernández Lozano; A. Rodríguez; R. Porro; I. Anguera; A. Fontela; J.J. González Ferrer; V. Cañadas Gogoy; N. Pérez Castellano; D. Garófalo; O. Salvador Montañés; C.J. Calvo; J. G. Quintanilla; R. Peinado; I. Mora Jiménez; J. Pérez Villacastín; J.L. Rojo Álvarez; D. Filgueiras Rama. Safety Threshold of R-wave Amplitudes in Patients with Implantable Cardioverter Defibrillator. European Heart Journal. 102 - 20, pp. 1662 - 1670. (United Kingdom): OXFORD UNIV PRESS, 06/2016. ISSN 0195-668X
DOI: 10.1136/heartjnl-2016-309295
Type of production: Scientific paper **Format:** Journal
Position of signature: 21 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 24
Impact source: ISI **Category:** Science Edition - CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 15,064 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 124
Relevant publication: Yes
- 2** José María Lillo Castellano; Inmaculada Mora Jiménez; Ricardo Santiago Mozos; Fernando Chavarría Asso; A Cano González; Arcadio García Alberola; José Luis Rojo Álvarez. Symmetrical Compression Distance for Arrhythmia Discrimination in Cloud-based Big-Data Services. IEEE Journal of Biomedical and Health Informatics. 19 - 4, pp. 1253 - 1263. (United States of America): The Institute of Electrical and Electronics Engineering, 07/2015. ISSN 2168-2194
DOI: 10.1109/JBHI.2015.2412175
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 2,093**Position of publication:** 29**Source of citations:** WOS**Source of citations:** SCOPUS**Source of citations:** Google Scholar**Relevant publication:** Yes**Category:** Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 144**Citations:** 3**Citations:** 3**Citations:** 6

- 3** Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Jesús Almendral; Arcadio Garcia Alberola; José Luis Rojo Álvarez. Automatic Supporting System for Regionalization of Ventricular Tachycardia Exit Site in Implantable Defibrillators. PLoS ONE. 10 - 4, pp. 1 - 14. (United States of America): 04/2015. ISSN 1932-6203

DOI: 10.1371/journal.pone.0124514**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 3.057**Position of publication:** 11**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 63

- 4** José María Lillo Castellano; Inmaculada Mora Jiménez; Carlos Miguel Figuera Pozuelo; José Luis Rojo Álvarez. Traffic Sign Segmentation and Classification using Statistical Learning Methods. Neurocomputing. 153, pp. 286 - 299. (Holland): Elsevier, 04/2015. ISSN 0925-2312

DOI: 10.1016/j.neucom.2014.11.026**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 2.392**Position of publication:** 31**Source of citations:** WOS**Source of citations:** SCOPUS**Source of citations:** Google Scholar**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 130**Citations:** 8**Citations:** 9**Citations:** 12

- 5** Carlos Miguel Figuera Pozuelo; José Luis Rojo Álvarez; Mark Richard Wilby; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández. Advanced support vector machines for 802.11 indoor location. Signal Processing. 92 - 9, pp. 2126 - 2136. (Holland): Elsevier, 09/2012. ISSN 0165-1684

DOI: 10.1016/j.sigpro.2012.01.026**Type of production:** Scientific paper**Position of signature:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee



Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1.85

Position of publication: 57

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Relevant publication: Yes

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 243

Citations: 16

Citations: 19

Citations: 21

- 6** Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández; Jesús Almendral; Felipe Atienza; Loreto Castilla; Arcadio García Alberola; José Luis Rojo Álvarez. Digital Recovery of Biomedical Signals from Binary Images. Signal Processing. 92 - 1, pp. 43 - 53. (Holland): Elsevier, 01/2012. ISSN 0165-1684
DOI: 10.1016/j.sigpro.2011.05.023

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 1.85

Position of publication: 57

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Relevant publication: Yes

Format: Journal

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

Category: Electrical and Electronic Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 243

Citations: 2

Citations: 3

Citations: 4

- 7** Carlos Miguel Figuera Pozuelo; José Luis Rojo Álvarez; Inmaculada Mora Jiménez; Alicia Guerrero Curieses; Mark Richard Wilby; Francisco Javier Ramos López. Time-Space Sampling and Mobile Device Calibration for WiFi Indoor Location Systems. IEEE Transactions on Mobile Computing. 10 - 7, pp. 913 - 926. (United States of America): IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 07/2011. ISSN 1536-1233
DOI: 10.1109/TMC.2011.84

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2.283

Position of publication: 9

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Relevant publication: Yes

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

Category: Science Edition - TELECOMMUNICATIONS

Journal in the top 25%: Yes

No. of journals in the cat.: 79

Citations: 30

Citations: 37

Citations: 41



- 8** Eduardo Morgado Reyes; Inmaculada Mora Jiménez; Juan José Vinagre Díaz; Francisco Javier Ramos López; Antonio José Caamaño Fernández. End-to-End Average BER in Multihop Wireless Networks over Fading Channels. IEEE Transactions on Wireless Communications. 9 - 8, pp. 2478 - 2487. (United States of America): IEEE, 08/2010. ISSN 1536-1276
DOI: 10.1109/TWC.2010.070710.090240
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2.15
Position of publication: 8
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 78
Citations: 48
Citations: 49
Citations: 62
- 9** Rebeca Goya Esteban; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Óscar Barquero Pérez; Francisco J. Pastor Pérez; Sergio Manzano Fernández; Domingo A. Pascual Figal; Arcadi García Alberola. Heart Rate Variability on 7-Day Holter Monitoring Using a Bootstrap Rhythmometric Procedure. IEEE Transactions on Biomedical Engineering. 57 - 6, pp. 1366 - 1376. (United States of America): IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 06/2010. ISSN 0018-9294
DOI: 10.1109/TBME.2010.2040899
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 1.78
Position of publication: 32
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, BIOMEDICAL
No. of journals in the cat.: 69
Citations: 9
Citations: 11
Citations: 16
- 10** Carlos Figuera Pozuelo; Inmaculada Mora Jiménez; Alicia Guerrero Curieses; José Luis Rojo Álvarez; Estrella Everss Villalba; Mark Wilby; Javier Ramos López. Nonparametric Model Comparison and Uncertainty Evaluation for Signal Strength Indoor Location. IEEE Transactions on Mobile Computing. 8 - 9, pp. 1250 - 1264. (United States of America): IEEE COMPUTER SOC, 09/2009. ISSN 1536-1233
DOI: 10.1109/TMC.2009.37
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 2.65
Position of publication: 4
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 77

Source of citations: WOS

Citations: 7

Source of citations: SCOPUS

Citations: 13

Source of citations: Google Scholar

Citations: 19

Relevant publication: Yes

- 11** Emilio Parrado Hernández; Inmaculada Mora Jiménez; Jerónimo Arenas García; Anibal Filgueiras Vidal; Ángel Navia Vázquez. Growing support vector classifiers with controlled complexity. Pattern Recognition. 36 - 7, pp. 1479 - 1488. (United States of America): Elsevier, 07/2003. ISSN 0031-3203

DOI: 10.1016/S0031-3203(02)00351-5

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1.61

Position of publication: 37

Source of citations: WOS

Format: Journal

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

Corresponding author: No

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 205

Citations: 23

Citations: 27

Source of citations: SCOPUS

Source of citations: Google Scholar

Citations: 40

Relevant publication: Yes

- 12** Antonio Albiol Colomer; Inmaculada Mora Jiménez; Valeriana Naranjo Ornedo. Real-Time High Density People Counter Using Morphological Tools. IEEE Transactions on Intelligent Transportation Systems. 2 - 4, pp. 204 - 218. (United States of America): The Institute of Electrical and Electronics Engine, 12/2001. ISSN 1524-9050

DOI: 10.1109/6979.969366

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 0.78

Position of publication: 10

Source of citations: WOS

Format: Journal

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

Category: Science Edition - ENGINEERING, CIVIL

Journal in the top 25%: Yes

No. of journals in the cat.: 73

Citations: 21

Citations: 42

Source of citations: SCOPUS

Source of citations: Google Scholar

Citations: 85

Relevant publication: Yes

- 13** A Lyhyaoui; M Martínez; Inmaculada Mora Jiménez; M Vázquez; J.L. Sancho; Anibal Filgueiras Vidal. Sample Selection Via Clustering to Construct Support Vector-Like Classifiers. IEEE Transactions on Neural Networks. 10 - 6, pp. 1474 - 1481. (United States of America): IEEE Computational Intelligence Society, 11/1999. ISSN 1045-9227

DOI: 10.1109/72.809092

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Format: Journal

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

Corresponding author: No



Impact source: ISI

Impact index in year of publication: 1.41

Position of publication: 11

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Relevant publication: Yes

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Citations: 39

Citations: 53

Citations: 71

- 14** Àlvar Hernández Carnerero; Miquel Sànchez Marrè; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez. Dimensionality Reduction and Ensemble of LSTMs for Antimicrobial Resistance Predictio. Artificial Intelligence in Medicine. 138, pp. 102508 (1) - 102508 (17). Elsevier, 04/2023.

Type of production: Scientific paper

Position of signature: 3

Format: Journal

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

Total no. authors: 6

- 15** Óscar Escudero Arnanz; Antonio García Marques; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Gregorio Robles. dtwParallel: A Python package to efficiently compute dynamic time warping between time series. SoftwareX. 22, pp. 101364 (1) - 101364 (8). Elsevier, 04/2023.

DOI: 10.1016/j.softx.2023.101364

Type of production: Scientific paper

Position of signature: 4

Format: Journal

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

Total no. authors: 5

- 16** Clara García Vicente; David Chushig Muzo; Inmaculada Mora Jiménez; Himar Fabelo; Inger Torhild Gram; Maja-Lisa Løchen; Conceição Granja; Cristina Soguero Ruiz. Evaluation of Synthetic Categorical Data Generation Techniques for Predicting Cardiovascular Diseases and Post-Hoc Interpretability of the Risk Factors. Applied Sciences. 13 - 7, pp. 4119 (1) - 4119 (23). MDPI13, 03/2023.

DOI: 10.3390/app13074119

Type of production: Scientific paper

Position of signature: 3

Format: Journal

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

Total no. authors: 8

- 17** David Pascual Hernández; Nuria Oyaga de Frutos; Inmaculada Mora Jiménez; José María Cañas Plaza. Efficient 3D Human Pose Estimation from RGBD Sensors. Displays. 74, pp. 102225 (1) - 102225 (11). ELSEVIER SCIENCE BV, 09/2022. ISSN 0141-9382

DOI: 10.1016/j.displa.2022.102225

Type of production: Scientific paper

Position of signature: 3

Format: Journal

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

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3,074

Position of publication: 118

Impact source: ISI

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

No. of journals in the cat.: 276

Category: Science Edition - COMPUTER SCIENCE, HARDWARE & ARCHITECTURE

Impact index in year of publication: 3,074
Position of publication: 23

No. of journals in the cat.: 54

- 18** David Chushig Muzo; Cristina Soguero Ruiz; Pablo de Miguel Bohoyo; Inmaculada Mora Jiménez. Learning and Visualizing Chronic Latent Representations using Electronic Health Records. BioData Mining. 15 - 18, pp. 1 - 27. BIOMED CENTRAL LTD, 09/2022. ISSN 1756-0381

DOI: 10.1186/s13040-022-00303-z

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 4,079

Position of publication: 12

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 19** Giancarlo Pastor; Inmaculada Mora Jiménez; Riku Jäntti; Antonio J Caamaño. Constructing Measures of Sparsity. IEEE Transactions on Knowledge and Data Engineering. 34 - 8, pp. 3643 - 3654. IEEE COMPUTER SOC, 08/2022. ISSN 1041-4347

DOI: 10.1109/TKDE.2020.3029851

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 6,977

Position of publication: 17

Impact source: ISI

Impact index in year of publication: 6,977

Position of publication: 22

Impact source: ISI

Impact index in year of publication: 6,977

Position of publication: 23

Format: Journal

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

Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 161

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 139

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 273

- 20** Sergio Martínez Agüero; Cristina Soguero Ruiz; José M. Alonso Moral; Inmaculada Mora Jiménez; Joaquín Álvarez Rodríguez; Antonio García Marqués. Interpretable Clinical Time-Series Modeling with Intelligent Feature Selection for Early Prediction of Antimicrobial Multidrug Resistance. Future Generation Computer Systems. 133, pp. 68 - 83. ELSEVIER SCIENCE BV, 08/2022. ISSN 0167-739X

DOI: 10.1016/j.future.2022.02.021

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 7,307

Format: Journal

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

Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS

Journal in the top 25%: Yes

**Position of publication:** 10**No. of journals in the cat.:** 110

- 21** Sergio Martínez Agüero; Antonio García Marqués; Inmaculada Mora Jiménez; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. Data and Network Analytics for COVID-19 ICU Patients: A Case Study for a Spanish Hospital. IEEE Journal of Biomedical and Health Informatics. 25 - 12, pp. 4340 - 4353. IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 12/2021. ISSN 2168-2194

DOI: 10.1109/JBHI.2021.3116804**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 7,021**Position of publication:** 21**Impact source:** ISI**Impact index in year of publication:** 7,021**Position of publication:** 23**Impact source:** ISI**Impact index in year of publication:** 7,021**Position of publication:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 112**Category:** Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 164**Category:** Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 22** David Chushig Muzo; Cristina Soguero Ruiz; Pablo de Miguel Bohoyo; Inmaculada Mora Jiménez. Interpreting Clinical Latent Representations Using Autoencoders and Probabilistic Models. Artificial Intelligence in Medicine. 122, pp. 102211 (1) - 102211 (11). ELSEVIER SCIENCE BV, 12/2021. ISSN 0933-3657

DOI: 10.1016/j.artmed.2021.102211**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 7,011**Position of publication:** 21**Impact source:** ISI**Impact index in year of publication:** 7,011**Position of publication:** 32**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 98**Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 145

- 23** Rafael García Carretero; Luis Vigil Medina; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Javier Ramos López. Machine learning approaches to constructing predictive models of vitamin D deficiency in a hypertensive population: a comparative study. Informatics for Health & Social Care. 46 - 4, pp. 355 - 369. INFORMA HEALTHCARE, 12/2021. ISSN 1753-8157

DOI: 10.1080/17538157.2021.1896524**Type of production:** Scientific paper**Position of signature:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee



Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3,082

Position of publication: 19

Impact source: ISI

Impact index in year of publication: 3,082

Position of publication: 54

Category: Science Edition - MEDICAL INFORMATICS

No. of journals in the cat.: 31

Category: Science Edition - HEALTH CARE SCIENCES & SERVICES

No. of journals in the cat.: 109

- 24** Alvar Hernández Carnerero; Miquel Sànchez Marrè; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez. Antimicrobial Resistance Prediction in Intensive Care Unit for Pseudomonas Aeruginosa using Temporal Data-Driven Models. International Journal of Interactive Multimedia and Artificial Intelligence. 6 - 5, pp. 119 - 133. UNIV INT RIOJA-UNIR, 03/2021. ISSN 1989-1660

DOI: 10.9781/ijimai.2021.02.012

Type of production: Scientific paper

Position of signature: 3

Format: Journal

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

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4,936

Position of publication: 36

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Journal in the top 25%: No

No. of journals in the cat.: 112

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: No

No. of journals in the cat.: 145

Impact index in year of publication: 4,936

Position of publication: 48

- 25** Inmaculada Mora Jiménez; Jorge Tarancón Rey; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. Artificial Intelligence to Get Insights of Multi-drug Resistance Risk Factors during the First 48 Hours from ICU Admission. Antibiotics-Basel. 10 - 3, pp. 239 (1) - 239 (20). MDPI, 02/2021. ISSN 2079-6382

DOI: 10.3390/antibiotics10030239

Type of production: Scientific paper

Position of signature: 1

Format: Journal

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

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 5,222

Position of publication: 68

Category: Science Edition - PHARMACOLOGY & PHARMACY

Journal in the top 25%: Yes

No. of journals in the cat.: 279

- 26** Mohammed El-Yaagoubi; Inmaculada Mora Jiménez; Younes Jabrane; Sergio Muñoz Romero; José Luis Rojo Álvarez; Juan Antonio Pareja Grande. Quantitative Cluster Headache Analysis for Neurological Diagnosis Support using Statistical Classification. Information. 11 - 8, pp. 393 (1) - 393 (13). MDPI, 08/2020. ISSN 2078-2489

DOI: 10.3390/info11080393

Type of production: Scientific paper

Position of signature: 2

Format: Journal

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

Total no. authors: 6

Impact source: SCOPUS

Category: Information Systems



Impact index in year of publication: 0.624

- 27** David Chushig Muzo; Cristina Soguero Ruiz; Andries Engelbrecht; Pablo de Miguel Bohoyo; Inmaculada Mora Jiménez. Data-Driven Visual Characterization of Patient Health-Status using Electronic Health Records and Self-Organizing Maps. IEEE Access. 8, pp. 137019 - 137031. IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 07/2020. ISSN 2169-3536
DOI: 10.1109/ACCESS.2020.3012082
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 3,367
Position of publication: 36
Impact source: ISI
Impact index in year of publication: 3,367
Position of publication: 65
Impact source: ISI
Impact index in year of publication: 3,367
Position of publication: 94
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - TELECOMMUNICATIONS
Journal in the top 25%: No
No. of journals in the cat.: 91
Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
No. of journals in the cat.: 161
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: No
No. of journals in the cat.: 273
- 28** Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Miguel A. Mohedano Muñoz; Manuel Rubio Sánchez; Pablo de Miguel Bohoyo; Alberto Sanchez. Visually Guided Classification Trees for Analyzing Chronic Patients. BMC Bioinformatics. 21 - 92, pp. 1 - 19. BIOMED CENTRAL LTD, 03/2020. ISSN 1471-2105
DOI: 10.1186/s12859-020-3359-3
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3,327
Position of publication: 20
Impact source: ISI
Impact index in year of publication: 3,327
Position of publication: 36
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 57
Category: BIOCHEMICAL RESEARCH METHODS
Journal in the top 25%: No
No. of journals in the cat.: 79
- 29** Sergio Muñoz Romero; Arantxa Gorostiaga; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; José Luis Rojo Álvarez. Informative Variable Identifier: Expanding Interpretability in Feature Selection. Pattern Recognition. 98, pp. 107077 (1) - 107077 (19). ELSEVIER SCI LTD, 02/2020. ISSN 0031-3203
DOI: 10.1016/j.patcog.2019.107077
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 5
Impact source: ISI
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE



Impact index in year of publication: 7,74
Position of publication: 17

Impact source: ISI

Impact index in year of publication: 7,74
Position of publication: 20

Journal in the top 25%: Yes
No. of journals in the cat.: 139

Category: Science Edition - ENGINEERING,
ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes
No. of journals in the cat.: 237

- 30** Rafael García Carretero; Luis Vigil Medina; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Óscar Barquero Pérez; Javier Ramos López. Use of a K-Nearest Neighbors Model to Predict the Development of Type 2 Diabetes Within 2 Years in an Obese, Hypertensive Population. *Medical & Biological Engineering & Computing*. 58 - 5, pp. 991 - 1002. SPRINGER HEIDELBERG, 02/2020. ISSN 0140-0118

DOI: 10.1007/s11517-020-02132-w

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,602
Position of publication: 21

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

Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY

No. of journals in the cat.: 58

- 31** Rafael García Carretero; Luis Vigil Medina; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Rebeca Goya Esteban; Javier Ramos López. Logistic LASSO and Elastic Net to Characterize Vitamin D Deficiency in a Hypertensive Obese Population. *Metabolic Syndrome and Related Disorders*. 18 - 2, pp. 79 - 85. MARY ANN LIEBERT, INC, 01/2020. ISSN 1540-4196

DOI: 10.1089/met.2019.0104

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 1,894
Position of publication: 115

Format: Journal

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

Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL

Journal in the top 25%: No

No. of journals in the cat.: 140

- 32** Rafael García Carretero; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Rebeca Goya Esteban; Javier Ramos López. Identification of Clinically Relevant Features in Hypertensive Patients using Penalized Regression: A Case Study of Cardiovascular Events. *Medical & Biological Engineering & Computing*. 57 - 9, pp. 2011 - 2026. SPRINGER HEIDELBERG, 09/2019. ISSN 0140-0118

DOI: 10.1007/s11517-019-02007-9

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,022
Position of publication: 24

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

Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 59



- 33** Sergio Martínez Agüero; Inmaculada Mora Jiménez; Jon Lérida García; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. Machine Learning Techniques to Identify Antimicrobial Resistance in the Intensive Care Unit. *Entropy*. 21, pp. 1 - 24. MDPI, 06/2019. ISSN 1099-4300
DOI: 10.3390/e21060603
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2,494
Position of publication: 33
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: PHYSICS, MULTIDISCIPLINARY
Journal in the top 25%: No
No. of journals in the cat.: 85
- 34** Rafael García Carretero; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Rebeca Goya Esteban; C Rodríguez Castro; Javier Ramos López. Prevalence and clinical features of non-alcoholic steatohepatitis in a hypertensive population. *Hipertensión y Riesgo Vascular*. 36 - 3, pp. 130 - 136. Elsevier, 01/2019. ISSN 1889-1837
DOI: 10.1016/j.hipert.2018.10.001
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 7
Impact source: SCOPUS
Impact index in year of publication: 0,213
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: HEALTH SCIENCES
Journal in the top 25%: No
- 35** Freddy R. Acosta Buenaño; Inmaculada Mora Jiménez; Gonzalo Olmedo; José Luis Rojo Álvarez. Data Amount Reduction in Mosaic Image Transmission Techniques for Digital Interactive Television Applications. *IEEE Access*. 6 - 1, pp. 70283 - 70297. IEEE, 12/2018. ISSN 2169-3536
DOI: 10.1109/ACCESS.2018.2880741
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 4,098
Position of publication: 19
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 88
- 36** Rafael García Carretero; Luis Vigil Medina; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Óscar Barquero Pérez; Rebeca Goya Esteban; Javier Ramos López. Cardiovascular risk assessment in prediabetic patients in a hypertensive population: the role of cystatin C. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 12 - 5, pp. 625 - 629. Elsevier, 09/2018.
DOI: 10.1016/j.dsx.2018.04.001
Type of production: Scientific paper
Format: Journal
- 37** José María Lillo Castellano; José Luis Rojo Álvarez; Fernando Chavarria Asso; Alba García García; María Martín Méndez; Arcadi García Alberola; Inmaculada Mora Jiménez. Classifying Cardiac Arrhythmic Episodes via Data Compression. *Neurocomputing*. 307, pp. 1 - 13. Elsevier, 09/2018. ISSN 0925-2312
DOI: 10.1016/j.neucom.2018.03.010
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 7
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee



Impact source: ISI

Impact index in year of publication: 4,072

Position of publication: 28

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 134

- 38** Alberto Sánchez; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Francisco Javier Rivas Florez; Dirk J. Lehmann; Manuel Rubio Sánchez. Scaled Radial Axes for Interactive Visual Feature Selection: A Case Study for Analyzing Chronic Conditions. Expert Systems with Applications. 100, pp. 182 - 196. Elsevier, 06/2018. ISSN 0957-4174

DOI: 10.1016/j.eswa.2018.01.054

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4,292

Position of publication: 24

Impact source: ISI

Impact index in year of publication: 4,292

Position of publication: 49

Format: Journal

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

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 134

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 266

- 39** Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Arcadi García Alberola; Antonio Caamaño Fernández; Beatriz Trenor; José Luis Rojo Álvarez. Arrhythmia Mechanism and Scaling Effect on the Spectral Properties of Electroanatomical Maps with Manifold Harmonics. IEEE Transactions on Biomedical Engineering. 65 - 4, pp. 723 - 732. (United States of America): The Institute of Electrical and Electronic Engineering, 04/2018. ISSN 0018-9294

DOI: 10.1109/TBME.2017.2716189

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4,491

Position of publication: 11

Format: Journal

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

Corresponding author: No

Category: Biomedical Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 80

- 40** Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Javier Ramos López; Teresa Quintanilla Fernández; Antonio García García; Daniel Díez Mazuela; Arcadi García Alberola; José Luis Rojo Álvarez. An Interoperable System toward Cardiac Risk Stratification from ECG Monitoring. Journal of Environmental Research and Public Health. 15 - 3, pp. E428-1 - E428-16. MDPI, 03/2018. ISSN 1660-4601

DOI: 10.3390/ijerph15030428

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 2,468

Position of publication: 67

Format: Journal

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

Category: Science Edition - PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

Journal in the top 25%: No

No. of journals in the cat.: 186



- 41** Rafael García Carretero; Luis Vigil Medina; Óscar Barquero Pérez; Rebeca Goya Esteban; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Javier Ramos López. Cystatin C as a Predictor of Cardiovascular Outcomes in a Hypertensive Population. *Journal of Human Hypertension*. 31 - 12, pp. 801 - 807. Macmillan Publishers Limited, part of Springer Nature, 12/2017. ISSN 09509240
DOI: 10.1038/jhh.2017.68
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 42** Óscar Barquero Pérez; Carlos Figuera Pozuelo; Rebeca Goya Esteban; Inmaculada Mora Jiménez; Francisco Javier Gimeno Blanes; Pablo Laguna; J.P. Martínez; E Gil; L Sörnmo; Arcadio García Alberola; José Luis Rojo Álvarez. On the Influence of Heart Rate and Coupling Interval Prematurity on Heart Rate Turbulence. *IEEE Transactions on Biomedical Engineering*. 64 - 2, pp. 302 - 309. (United States of America): IEEE, 02/2017. ISSN 1558-2531
DOI: 10.1109/TBME.2016.2554614
Type of production: Scientific paper **Format:** Journal
Position of signature: 4 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Total no. authors: 11 **Category:** Science Edition - ENGINEERING, BIOMEDICAL
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 4,288 **No. of journals in the cat.:** 78
Position of publication: 9
- 43** Cristina Soguero Ruiz; K Hindberg; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; S.O. Skrøvseth; F. Godtliebsen; K Mortensen; A Revhaug; R-O Lindsetmo; K.M. Augestad; Robert Jenssen. Predicting Colorectal Surgical Complications Using Heterogeneous Clinical Data and Kernel Methods. *Journal of Biomedical Informatics*. 61, pp. 87 - 96. (United States of America): Elsevier, 06/2016. ISSN 1532-0464
DOI: 10.1016/j.jbi.2016.03.008
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Total no. authors: 11 **Category:** Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 2,447 **No. of journals in the cat.:** 104
Position of publication: 20
- 44** Giancarlo Pastor; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández; R Jäntti. Asymptotic Expansions for Heavy-tailed Data. *Signal Processing Letters*. 23 - 4, pp. 444 - 448. (United States of America): IEEE Signal Processing Society, 04/2016. ISSN 1070-9908
DOI: 10.1109/LSP.2016.2526625
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4 **Category:** Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Impact source: ISI **Journal in the top 25%:** No
Impact index in year of publication: 1,661 **No. of journals in the cat.:** 257
Position of publication: 95



- 45** Eduardo del Arco; Eduardo Morgado Reyes; Mihaela Ioana Chidean; Julio Ramiro Bargueño; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández. Sparse Vehicular Sensor Networks for Traffic Dynamics Reconstruction. IEEE Transactions on Intelligent Transportation Systems. 16 - 5, pp. 2826 - 2837. (United States of America): The Institute of Electrical and Electronics Engineering, 10/2015. ISSN 1524-9050
DOI: 10.1109/TITS.2015.2424671
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 2,534
Position of publication: 39
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 257
- 46** Cristina Soguero Ruiz; Francisco Javier Gimeno Blanes; Inmaculada Mora Jiménez; María Pilar Martínez Ruiz; José Luis Rojo Álvarez. Statistical Nonlinear Analysis for Reliable Promotion Decision-Making. Digital Signal Processing. 33, pp. 156 - 168. (Holland): Elsevier, 10/2014. ISSN 1051-2004
DOI: 10.1016/j.dsp.2014.06.014
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 1.5
Position of publication: 98
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: No
No. of journals in the cat.: 248
Citations: 2
Citations: 2
Citations: 2
- 47** Cristina Soguero Ruíz; Luis Lechuga; Inmaculada Mora Jiménez; Francisco Javier Ramos López; Óscar Barquero Pérez; Arcadio García Alberola; José Luis Rojo Álvarez. Ontology for Heart Rate Turbulence Domain from the Conceptual Model of SNOMED-CT. IEEE Transactions on Biomedical Engineering. 60 - 7, pp. 1825 - 1833. (United States of America): IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 07/2013. ISSN 0018-9294
DOI: 10.1109/TBME.2013.2243147
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 2.2328
Position of publication: 28
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, BIOMEDICAL
Journal in the top 25%: No
No. of journals in the cat.: 76
Citations: 2
Citations: 3
Citations: 6



- 48** José María Lillo Castellano; Inmaculada Mora Jiménez; Ricardo Santiago Mozos; José Luis Rojo Álvarez; Julio Ramiro Bargueño; Alejandro Algora Weber. Weaning Outcome Prediction from Heterogeneous Time Series using Normalized Compression Distance and Multidimensional Scaling. Expert Systems with Applications. 40 - 5, pp. 1737 - 1747. (Holland): Elsevier, 04/2013. ISSN 0957-4174
DOI: 10.1016/j.eswa.2012.09.027
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 1.97
Position of publication: 11
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 79
Citations: 3
Citations: 4
Citations: 6
- 49** Cristina Soguero Ruiz; Francisco Javier Gimeno Blanes; Inmaculada Mora Jiménez; María Pilar Martínez Ruiz; José Luis Rojo Álvarez. On the differential benchmarking of promotional efficiency with machine learning modeling (I): principles and statistical comparison. Expert Systems with Applications. 39 - 17, pp. 12772 - 12783. (Holland): Elsevier, 12/2012. ISSN 0957-4174
DOI: 10.1016/j.eswa.2012.04.017
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 1.85
Position of publication: 13
Source of citations: WOS
Source of citations: SCOPUS
Source of citations: Google Scholar
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 79
Citations: 2
Citations: 3
Citations: 4
- 50** Cristina Soguero Ruiz; Francisco Javier Gimeno Blanes; Inmaculada Mora Jiménez; María Pilar Martínez Ruiz; José Luis Rojo Álvarez. On the differential benchmarking of promotional efficiency with machine learning modeling (II): practical applications. Expert Systems with Applications. 39 - 17, pp. 12784 - 12798. (Holland): Elsevier, 12/2012. ISSN 0957-4174
DOI: 10.1016/j.eswa.2012.04.035
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 1.85
Position of publication: 13
Source of citations: WOS
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 79
Citations: 2



Source of citations: SCOPUS

Citations: 2

Source of citations: Google Scholar

Citations: 3

- 51** Jesús Almendral Garrote; Felipe Atienza; Estrella Everss; Loreto Castilla; Esteban González Torrecilla; José Miguel Ormaetxe; Ángel Arenal; Mercedes Ortiz; Margarita Sanromán Junquera; Inmaculada Mora Jiménez; JM Bellon; José Luis Rojo Álvarez. Implantable defibrillator electrograms and origin of left ventricular impulses: an analysis of regionalization ability and visual spatial resolution. *Journal of Cardiovascular Electrophysiology*. 23 - 5, pp. 506 - 514. (United Kingdom): WILEY-BLACKWELL, 05/2012. ISSN 1540-8167

DOI: 10.1111/j.1540-8167.2011.02233.x

Type of production: Scientific paper

Format: Journal

Position of signature: 10

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

Total no. authors: 12

Impact source: ISI

Category: Science Edition - CARDIAC & CARDIOVASCULAR SYSTEMS

Impact index in year of publication: 3.29

Journal in the top 25%: No

Position of publication: 36

No. of journals in the cat.: 114

Source of citations: WOS

Citations: 4

Source of citations: SCOPUS

Citations: 3

Source of citations: Google Scholar

Citations: 6

- 52** Inmaculada Mora Jiménez; Aníbal R. Figueiras Vidal. Improving Performance of Neural Classifiers Via Selective Reduction of Target Levels. *Neurocomputing*. 72, pp. 3020 - 3027. (Holland): Elsevier, 08/2009. ISSN 0925-2312

DOI: 10.1016/j.neucom.2009.04.002

Type of production: Scientific paper

Format: Journal

Position of signature: 1

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

Total no. authors: 2

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 1.44

Journal in the top 25%: No

Position of publication: 47

No. of journals in the cat.: 103

- 53** José Luis Rojo Álvarez; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Estrella Everss; Ana Belén Rodríguez González; Arcadi García Alberola. Heart Rate Turbulence Denoising Using Support Vector Machines. *IEEE Transactions on Biomedical Engineering*. 56 - 2, pp. 310 - 319. (United States of America): IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 02/2009. ISSN 0018-9294

DOI: 10.1109/TBME.2008.2003146

Type of production: Scientific paper

Format: Journal

Position of signature: 3

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

Total no. authors: 6

Impact source: ISI

Category: Biomedical Engineering

Impact index in year of publication: 2.15

Journal in the top 25%: No

Position of publication: 22

No. of journals in the cat.: 59

Source of citations: WOS

Citations: 6

Source of citations: SCOPUS

Citations: 10



Source of citations: Google Scholar

Citations: 15

- 54** Inmaculada Mora Jiménez; Jesús Cid Sueiro. A Universal Learning Rule that Minimizes Well-formed Cost Functions. IEEE Transactions on Neural Networks. 16 - 4, pp. 810 - 820. (United States of America): 07/2005. ISSN 1045-9227

DOI: 10.1109/TNN.2005.849839

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 2

Impact source: ISI

Impact index in year of publication: 2.21

Position of publication: 20

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Format: Journal

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

Corresponding author: Yes

Category: Electrical and Electronic Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 208

Citations: 2

Citations: 2

Citations: 4

- 55** Emilio Parrado Hernández; Jerónimo Arenas García; Inmaculada Mora Jiménez; Ángel Navia Vázquez. On Problem-Oriented Kernel Refining. Neurocomputing. 55, pp. 135 - 150. (Holland): 09/2003. ISSN 0925-2312

DOI: 10.1016/S0925-2312(03)00432-6

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 0.59

Position of publication: 56

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Google Scholar

Format: Journal

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

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: No

No. of journals in the cat.: 77

Citations: 2

Citations: 3

Citations: 8

- 56** Cristina Soguero Ruiz; Pablo de Miguel Bohoyo; Inmaculada Mora Jiménez. A data-driven model based on Support Vector Machine to identify chronic hypertensive and diabetic patients. Physiological Computing Systems. Revised and Extended Selected Papers. Lecture Notes in Computer Science. 10057, pp. 110 - 129. Springer, 08/2019. ISBN 978-3-030-27949-3

DOI: 0.1007/978-3-030-27950-9

Type of production: Book chapter

- 57** Javier Ramos López; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Javier Cabo Salvador. Gestión de la calidad de las organizaciones sanitarias. mHealth y su impacto en la calidad asistencia. 1, pp. 1007 - 1049. (Spain): Fundación MAPFRE. Ediciones Diaz de Santos, 11/2014. ISBN 978-84-9969-802-1

Type of production: Book chapter

Position of signature: 3

Total no. authors: 5

Format: Book

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



- 58** Ignacio Foche; Mihaela Chidean; Francisco Javier Simó Reigadas; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Julio Ramiro Bargueño; Antonio Caamaño Fernández. Energy Efficiency in Communications and Networks. Monitoring Energy Efficiency in Buildings with Wireless Sensor Networks: NRG-WiSe Building. InTech, 04/2012. ISBN 978-953-51-0482-7
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 7
- Format:** Book
Degree of contribution: Author or co-author of chapter in book

Works submitted to national or international conferences

- 1** **Title of the work:** On the Use of Generative Adversarial Networks to Predict Health Status among Chronic Patients
Name of the conference: International Conference on Health Informatics
City of event: Lisbon, Portugal
Date of event: 16/02/2023
End date: 18/02/2023
With external admission assessment committee: Yes
María Teresa Jurado Camino; David Chushig Muzo; Cristina Soguero Ruiz; Pablo de Miguel Bohoyo; Inmaculada Mora Jiménez. En: Proceedings. pp. 167 - 178. ISBN 978-989-758-631-6
DOI: 10.5220/0000171500003414
- 2** **Title of the work:** Local Naïve Bayes for Predicting Evolution of COVID-19 Patients on Self Organizing Maps
Name of the conference: IEEE International Conference on Bioinformatics and Biomedicine
City of event: Las Vegas, United States of America
Date of event: 06/12/2022
End date: 08/12/2022
With external admission assessment committee: Yes
Carlos Arias Alcaide; Cristina Soguero Ruiz; Paloma Santos Álvarez; José Felipe Varona Arche; Inmaculada Mora Jiménez. En: Proceedings. pp. 1443 - 1450. ISBN 978-1-6654-6820-6
DOI: 10.1109/BIBM55620.2022.9995321
- 3** **Title of the work:** Data-driven cardiovascular risk prediction and prognosis factor identification in diabetic patients
Name of the conference: IEEE International Conference on Biomedical and Health Informatics
City of event: Ioannina, Greece
Date of event: 27/09/2022
End date: 30/09/2022
Hugo Calero Díaz; David Chushig Muzo; Himar Fabelo; Inmaculada Mora Jiménez; Conceicao Granja; Cristina Soguero Ruiz. En: Proceedings. pp. 1 - 4. ISBN 978-1-6654-8792-4
DOI: 10.1109/BHI56158.2022.9926871
- 4** **Title of the work:** Clinical synthetic data generation to predict and identify risk factors for cardiovascular diseases
Name of the conference: Workshop on Data Management and Analytics for Medicine and Healthcare
City of event: Sydney, Australia
Date of event: 09/09/2022
With external admission assessment committee: Yes



Clara García Vicente; David Chushig Muzo; Inmaculada Mora Jiménez; Himar Fabelo; I. Torhild Gram; Maha-Lisa Løchen; Conceição Granja; Cristina Soguero Ruiz. En: Proceedings. pp. 75 - 91. ISBN 978-3-031-23904-5

DOI: 10.1007/978-3-031-23905-2

- 5** **Title of the work:** Statistical Analysis of Color Differences on Iris Images for Supporting Cluster Headache Diagnosis
Name of the conference: International Conference on Signal Processing and Multimedia Applications
City of event: Lisbon, Portugal
Date of event: 14/07/2022
End date: 16/07/2022
With external admission assessment committee: Yes
Inmaculada Mora Jiménez; Andrés Iglesias Rojano; Mohammed El-Yaagoubi; José Luis Rojo Álvarez; José Antonio Pareja Grande. En: Proceedings. pp. 40 - 47. ISSN 2184-9471, ISBN 978-989-758-591-3
DOI: 10.5220/0011318700003289
- 6** **Title of the work:** Health Status Monitoring of COVID-19 Patient's through Blood Tests and Naïve-Bayes
Name of the conference: International Conference on Health Information Systems and Decision Support Systems
City of event: Rome, Italy
Date of event: 02/06/2022
End date: 03/06/2022
With external admission assessment committee: Yes
Carlos Arias Alcaide; Cristina Soguero Ruiz; Paloma Santos Álvarez; Adrián García Romero; Inmaculada Mora Jiménez. En: Proceedings. pp. 137 - 145. ISSN 1307-6892
- 7** **Title of the work:** Mapping Health Trajectories on Self Organizing Maps using COVID-19 Patient's Blood Tests
Name of the conference: IEEE International Conference on Bioinformatics and Biomedicine
City of event: Houston, United States of America
Date of event: 09/12/2021
End date: 12/12/2021
With external admission assessment committee: Yes
Carlos Arias Alcaide; Cristina Soguero Ruiz; Paloma Santos Álvarez; Adrián García Romero; Inmaculada Mora Jiménez. En: Proceedings. pp. 1251 - 1256. ISBN 978-1-6654-0126-5
DOI: 10.1109/BIBM52615.2021.9669706
- 8** **Title of the work:** Predicting Multidrug Resistance Using Temporal Clinical Data and Machine Learning Methods
Name of the conference: IEEE International Conference on Bioinformatics and Biomedicine
City of event: Houston, United States of America
Date of event: 09/12/2021
End date: 12/12/2021
With external admission assessment committee: Yes
Lydia Pascual Sánchez; Inmaculada Mora Jiménez; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. En: Proceedings. pp. 2826 - 2833. ISBN 978-1-6654-0126-5
DOI: 10.1109/BIBM52615.2021.9669829
- 9** **Title of the work:** Machine Learning to Determine Physical Activity using Glucose Level Monitoring in People with type 1 Diabetes Mellitus
Name of the conference: Digitalized Methods and Tools for Industry and Healthcare
City of event: Jyväskylä, Finland



Date of event: 01/12/2021

End date: 02/12/2021

Hugo Calero Díaz; Inmaculada Mora Jiménez; Himar Fabelo; Gustavo M. Callico; Ana M Wägner; Conceição Granja; PR van Dijk; Cristina Soguero Ruiz. En: Proceedings. pp. 41 - 49. ISBN 978-951-830-633-0

10 Title of the work: On the Statistical Differences in the Pharmacological Treatment of COVID-19 Patients

Name of the conference: IEEE EMBS International Conference on Biomedical and Health Informatics

City of event: Athens, Greece

Date of event: 27/07/2021

End date: 30/07/2021

Weam Moumouh-Ait Layachi; María Sevilla García; Adrián García Romero; Cristina Soguero Ruiz; Inmaculada Mora Jiménez. pp. 1 - 4. ISBN 978-1-6654-0358-0

DOI: 10.1109/BHI50953.2021.9508599

11 Title of the work: Finding Associations among Chronic Conditions by Bootstrap and Multiple Correspondence Analysis

Name of the conference: IEEE International Conference on Bioinformatics and Biomedicine

City of event: United States of America

Date of event: 16/12/2020

End date: 19/12/2020

Cristina Soguero Ruiz; Natalia Alonso Arteaga; Sergio Muñoz Romero; José Luis Rojo Álvarez; Manuel Rubio Sánchez; Isabel Caballero López-Fajardo; Inmaculada Mora Jiménez. pp. 2066 - 2073. ISBN 978-1-7281-6215-7

DOI: 10.1109/BIBM49941.2020.9313218

12 Title of the work: Feature Selection and Machine Learning for Predicting Multi-drug Resistance just After ICU Admission

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

City of event: Spain

Date of event: 25/11/2020

End date: 27/11/2020

Jorge Tarancón Rey; Inmaculada Mora Jiménez; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. En: Actas. pp. 145 - 148. ISBN 978-84-09-25491-0

13 Title of the work: Feature Selection and Tree-based Models to Predict Multidrug-Resistance

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

City of event: Spain

Date of event: 25/11/2020

End date: 27/11/2020

Óscar Escudero Arnanz; Inmaculada Mora Jiménez; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. En: Actas. pp. 464 - 467. ISBN 978-84-09-25491-0

14 Title of the work: Modelling Temporal Relationships in Pseudomonas Aeruginosa Antimicrobial Resistance Prediction in Intensive Care Unit

Name of the conference: Workshop on Singular Problems for Healthcare, co-located with European Conference on Artificial Intelligence

City of event: Santiago de Compostela, Spain

Date of event: 04/09/2020

End date: 04/09/2020

With external admission assessment committee: Yes

Type of contribution: Scientific paper



Álvar Hernández Carnerero; Miquel Sànchez Marrè; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez. En: Actas. 1-2820, pp. 60 - 67. ISSN 1613-0073

- 15** **Title of the work:** Temporal Feature Selection for Characterizing Antimicrobial Multidrug Resistance in the Intensive Care Unit
Name of the conference: Workshop on Singular Problems for Healthcare, co-located with European Conference on Artificial Intelligence
City of event: Santiago de Compostela, Spain
Date of event: 04/09/2020
End date: 04/09/2020
Óscar Escudero Arnanz; Inmaculada Mora Jiménez; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez; Cristina Soguero Ruiz. 1-2820, pp. 54 - 59. ISSN 1613-0073
- 16** **Title of the work:** Applying LSTM Networks to Predict Multi-drug Resistance Using Binary Multivariate Clinical Sequences
Name of the conference: European Starting AI Researchers' Symposium, co-located with European Conference on Artificial Intelligence
City of event: Santiago de Compostela, Spain
Date of event: 29/08/2020
End date: 08/09/2020
With external admission assessment committee: Yes
Sergio Martínez Agüero; Inmaculada Mora Jiménez; Joaquín Álvarez Rodríguez; Antonio García Marqués; Cristina Soguero Ruiz. "Actas. Best STAIRS Paper Award". 2655, pp. 1 - 8. ISSN 1613-0073
- 17** **Title of the work:** Mapas de correspondencias y auto-codificadores para el análisis de grupos de pacientes crónicos
Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica
City of event: Santander, Spain
Date of event: 27/11/2019
End date: 29/11/2019
Noelia López García; Cristina Soguero Ruiz; Isabel Caballero-López Fando; Ángel Gómez Delgado; Inmaculada Mora Jiménez. "Actas del Congreso". pp. 423 - 426. ISBN 978-84-09-16707-4.
- 18** **Title of the work:** Textural and Morphological Features for Grading Brain Cancer Images
Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica
City of event: Santander, Spain
Date of event: 27/11/2019
End date: 29/11/2019
Jorge Tarancón Rey; Alberto Fernández Comesaña; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; D Glotsos. pp. 347 - 350. ISBN 978-84-09-16707-4
- 19** **Title of the work:** A Geostatistical Approach to Traffic Flow Reconstruction from Sparse Floating-Car Data
Name of the conference: Traffic and Granular Flow
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 02/07/2019
End date: 05/07/2019
Organising entity: Universidad de Navarra
Eduardo del Arco Fernández; Mihaela I. Chidean; Inmaculada Mora Jiménez; Samer H. Hamdar; Antonio J. Caamaño. "Abstracts Booklet of the Conference on Traffic and Granular Flow 2019, page 28".



- 20** **Title of the work:** Asignación de recursos: ¿cómo afecta la cronicidad en la frecuentación?
Name of the conference: Congreso Nacional de Hospitales y Gestión Sanitaria
City of event: Santiago de Compostela, Spain
Date of event: 08/05/2019
End date: 10/05/2019
Isabel Caballero López-Fando; Pablo de Miguel Bohoyo; Francisco Javier Rivas Flores; José María Moreno Rodríguez; Cristina Soguero Ruiz; Inmaculada Mora Jiménez. "Actas del 21 Congreso Nacional de Hospitales y Gestión Sanitaria, página 587".
- 21** **Title of the work:** Evolución de la cronicidad en la población adscrita a un área de salud
Name of the conference: Congreso Nacional de Hospitales y Gestión Sanitaria
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 08/05/2019
End date: 10/05/2019
Pablo de Miguel Bohoyo; Isabel Caballero López-Fando; Francisco Javier Rivas Florez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz. pp. 120.
- 22** **Title of the work:** Aplicación de técnicas de machine learning para caracterizar el déficit de vitamina D en una población obesa e hipertensa
Name of the conference: Reunión Nacional de la Sociedad Española de Hipertensión-Liga Española para la Lucha contra la Hipertensión Arterial
City of event: Madrid, Spain
Date of event: 07/03/2019
End date: 08/03/2019
Rafael García Carretero; Óscar Vázquez Gómez; Luis Vigil Medina; Inmaculada Mora Jiménez. "Hipertensión y Riesgo Vascular 2019;36 (Suplemento del Congreso)".
- 23** **Title of the work:** Using multi-anchors to identify patients suffering from multimorbidities
Name of the conference: IEEE International Conference on Bioinformatics and Biomedicine
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 03/12/2018
End date: 06/12/2018
Publication in conference proceedings: Yes
Reasons for participation: Review before acceptance
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Karl Øyvind Mikalsen; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Isabel Caballero López-Fando; Robert Jenssen. En: Proceedings of the IEEE International Conference on Bioinformatics and Biomedicine. xxx, pp. xxx - xx. IEEE,
DOI: DOI: 10.1109/BIBM.2018.8621213
- 24** **Title of the work:** Análisis de correspondencias para el estudio de la sensibilidad antibiótica de gérmenes en la UCI
Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Ciudad Real, Spain
Date of event: 21/11/2018
Geographical area: National
Reasons for participation: Review before acceptance



End date: 23/11/2018

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Jon Lérída García; Sergio Martínez Agüero; Joaquín Álvarez Rodríguez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz. En: Actas del Congreso Anual de la Sociedad Española de Ingeniería Biomédica. pp. 47 - 50. ISBN 978-84-09-06253-9

25 Title of the work: Estudio de la evolución temporal de la resistencia antibiótica de gérmenes en la unidad de cuidados intensivos

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Ciudad Real, Spain

Date of event: 21/11/2018

End date: 23/11/2018

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Sergio Martínez Agüero; Jon Lérída García; Joaquín Álvarez Rodríguez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz. En: Actas del Congreso Anual de la Sociedad Española de Ingeniería Biomédica. pp. 227 - 230. ISBN 978-84-09-06253-9

26 Title of the work: On the use of Decision Trees based on Diagnosis and Drug Codes for Analyzing Chronic Patients

Name of the conference: International Work-Conference on Bioinformatics and Biomedical Engineering

Type of event: Conference

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Granada, Spain

Date of event: 25/04/2018

End date: 27/04/2018

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Cristina Soguero Ruiz; Ana Alberca Díaz-Plaza; Pablo de Miguel Bohoyo; Javier Ramos López; Manuel Rubio Sánchez; Alberto Sánchez; Inmaculada Mora Jiménez. "Lecture Notes in Computer Science". En: Lecture Notes in Computer Science. 10814, pp. 135 - 148. Springer, ISBN 978-3-319-78758-9

DOI: 10.1007/978-3-319-78759-6_14

27 Title of the work: Riesgo cardiovascular en pacientes prediabéticos con hipertensión arterial

Name of the conference: Reunión nacional Sociedad Española de Hipertensión-Liga Española para la Lucha contra la Hipertensión Arterial

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Zaragoza, Spain

Date of event: 15/03/2018

End date: 16/03/2018

Rafael García Carretero; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; C. Rodríguez de Castro; Luis Vigil Medina.



- 28** **Title of the work:** Deep autoencoders for visualizing chronic patient data
Name of the conference: Northern Lights Deep Learning Workshop
City of event: Tromsø, Norway
Date of event: 10/01/2018
End date: 11/01/2018
Cristian Chushig Muzo; Cristina Soguero Ruiz; Isabel Caballero; Inmaculada Mora Jiménez.
- 29** **Title of the work:** L1 Penalized Cox Regression to Characterize Cardiovascular Events in Hypertensive Patients
Name of the conference: Computing in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Reasons for participation: Review before acceptance
City of event: Rennes, France
Date of event: 24/09/2017
End date: 27/09/2017
City organizing entity: France
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
Rafael García Carretero; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Cristina Soguero Ruiz; Rebeca Goya Esteban; Antonio García Marqués; Javier Ramos López. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2017. 43, pp. 1 - 4. COMPUTING IN CARDIOLOGY, ISSN 2325-887X
DOI: 10.22489/CinC.2017.253-209
- 30** **Title of the work:** Modelling cardiovascular condition evolution in hypertensive population using graph signal processing
Name of the conference: Computing in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Rennes, France
Date of event: 24/09/2017
End date: 27/09/2017
City organizing entity: France
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
Antonio García Marqués; Cristina Soguero Ruiz; Javier Ramos López; Inmaculada Mora Jiménez; Rebeca Goya Esteban; Rafael García Carretero; Óscar Barquero Pérez. "Proceedings of Computing in Cardiology". En: Proceedings of Computing in Cardiology. 44, pp. 1 - 4. COMPUTING IN CARDIOLOGY, ISSN 2325-887X
DOI: 10.22489/CinC.2017.238-354
- 31** **Title of the work:** Clinical Risk Groups Analysis for Chronic Hypertensive Patients in terms of ICD9-CM Diagnosis Codes
Name of the conference: International Conference on Physiological Computing Systems
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 27/07/2017



End date: 28/07/2017

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Javier Fernández Sánchez; Cristina Soguero Ruiz; Pablo de Miguel Bohoyo; Francisco Javier Rivas Flores; Ángel Gómez Delgado; Francisco Javier Gutiérrez Expósito; Inmaculada Mora Jiménez. "Proceedings of the 4th Intl Conf on Physiological Computing Systems". En: Proceedings. 1, pp. 13 - 22. 28/07/2017. ISBN 978-989-758-268-4

DOI: 10.5220/0006218700130022

32 Title of the work: An improved secure image transmission technique via mosaic images by nearly reversible color transformations

Name of the conference: International Joint Conference on e-Business and Telecommunications

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Móstoles, Community of Madrid, Spain

Date of event: 26/07/2017

End date: 28/07/2017

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Freddy Acosta Buenaño; Gonzalo Olmedo Cifuentes; Inmaculada Mora Jiménez; Jose Luis Rojo Álvarez. "Proceedings". En: Proceedings. 1, pp. 87 - 92. 28/07/2017. ISBN 978-989-758-260-8

DOI: 10.5220/0006477900870092

33 Title of the work: Valor predictivo de la cronicidad de pacientes utilizando CRG (Clinical Risk Group)

Name of the conference: Congreso Nacional Congreso Nacional de Documentación Médica

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Valencia, Spain

Date of event: 08/06/2017

End date: 10/06/2017

Francisco Javier Rivas Flores; Pablo de Miguel Bohoyo; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Ángel Gómez Delgado; Javier Fernández Sánchez.

34 Title of the work: Extended Iris Color Features Analysis and Cluster Headache Diagnosis Based On Support Vector Classifier

Name of the conference: International Conference on Intelligent Systems and Computer Vision

Type of event: Conference

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Fez, Morocco

Date of event: 17/04/2017

End date: 19/04/2017

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Mohammed El-Yaagoubi; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Younes Jabrane; José Antonio Pareja Grande. "Proceedings". IEEE, 02/10/2017.

DOI: 10.1109/ISACV.2017.8054944



35 Title of the work: An Approach to New Methods for Digital Processing on Optical Mapping Sequences and Electrical Mapping

Name of the conference: Computing in Cardiology

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Vancouver, Canada

Date of event: 11/09/2016

End date: 14/09/2016

City organizing entity: Vancouver, Canada

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Sergio Muñoz Romero; Margarita Sanromán Junquera; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Raúl Caulier Cisterna; J. Moreno Planas; J. García Quintanilla; Arcadi García Alberola; José Luis Rojo Álvarez. "Computing in Cardiology 2016". En: Proceedings of Computing in Cardiology 2016. 43, pp. 481 - 484. COMPUTING IN CARDIOLOGY, 28/11/2016. ISSN 2325- 887X

DOI: 10.22489/CinC.2016.122- 281

36 Title of the work: Auto-Cropping of Phone Camera Color Images to Segment Cardiac Signals in ECG Printouts

Name of the conference: Computing in Cardiology

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Vancouver, Canada

Date of event: 11/09/2016

End date: 14/09/2016

City organizing entity: Vancouver, Canada

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Fernando Lozano Fernández; Inmaculada Mora Jiménez; Margarita Sanromán Junquera; Sergio Muñoz Romero; Arcadi García Alberola; José Luis Rojo Álvarez. "Computing in Cardiology 2016". En: Proceedings of Computing in Cardiology 2016. 43, pp. 421 - 424. COMPUTING IN CARDIOLOGY, 28/11/2016. ISSN 2325- 887X

DOI: 10.22489/CinC.2016.122- 281

37 Title of the work: Influence of Normalization on the Analysis of Electroanatomical Maps with Manifold Harmonics

Name of the conference: International Work-Conference on Bioinformatics and Biomedical Engineering (IWBBIO 2016)

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Granada, Andalusia, Spain

Date of event: 20/04/2016

End date: 22/04/2016

City organizing entity: Granada, Andalusia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper



Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Arcadio García Alberola; Antonio José Caamaño Fernández; José Luis Rojo Álvarez. "Lecture Notes in Bioinformatics (LNBI)". 9656, pp. 415 - 425. 12/09/2016. ISBN 978-3-319-31743-4
DOI: 10.1007/978-3-319-31744-1

38 Title of the work: Cluster Headache Diagnosis using Iris Color Features and Statistical Pixel Classification

Name of the conference: Mediterranean Conference on Medical and Biological Engineering and Computing

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Paphos, Greece

Date of event: 31/03/2016

End date: 02/04/2016

City organizing entity: Paphos, Greece

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Mohammed El-Yaagoubi; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; J.A. Pareja Grande. "IFMBE Proceedings". 57, pp. 414 - 419. ISBN 978-3-319-32701-3

DOI: 10.1007/978-3-319-32703-7_81

39 Title of the work: Data-driven Temporal Prediction of Surgical Site Infection

Name of the conference: AMIA Annual Symposium

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: San Francisco, United States of America

Date of event: 14/11/2015

End date: 18/11/2015

Organising entity: AMIA

City organizing entity: San Francisco, United States of America

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Cristina Soguero Ruiz; Wang M.E. Fei; Robert Jenssen; Knut Magne Augestad; José Luis Rojo Álvarez; Inmaculada Mora Jiménez; Rolv-Ole Lindsetmo; Stein Olav Skrøvseth.

"Proceedings of AMIA 2015 Annual Symposium". v.2015, pp. 1164 - 1173. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4765613/>>.

40 Title of the work: Prediction of Surgical Complications Using Heterogenous Clinical Data and Kernel Methods

Name of the conference: NIPS Workshop on Machine Learning in Healthcare

Type of event: Workshop

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Montreal, Canada

Date of event: 11/11/2015

End date: 11/11/2015

City organizing entity: Montreal, Canada

Publication in conference proceedings: No

With external admission assessment committee: Yes

Type of contribution: Scientific paper



Cristina Soguero Ruiz; K. Hindberg; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; S.Olav Olav-Skrøvseth; F. Godtliebsen; K. Mortensen; A. Revhaug; R.O. Lindsetmo; K.Magne Augestad; R. Jenssen.

- 41 Title of the work:** Big Data Analytics for Arrhythmia Classification using Data Compression and Kernel Methods
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Niza, France
Date of event: 06/09/2015
End date: 09/09/2015
City organizing entity: Niza, France
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
José María Lillo Castellano; Inmaculada Mora Jiménez; R Moreno González; Monserrat García De Pablo; Arcadio García Alberola; José Luis Rojo Álvarez. "Computing in Cardiology 2015". En: Proceedings of Computing in Cardiology 2015. 42, pp. 661 - 664. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3
- 42 Title of the work:** Effect of Interpolation on Electroanatomical Mapping
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Niza, France
Date of event: 06/09/2015
End date: 09/09/2015
City organizing entity: Niza, France
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
Margarita Sanromán Junquera; Raquel Díaz Valencia; Arcadio García Alberola; José Luis Rojo Álvarez; Inmaculada Mora Jiménez. "Computing in Cardiology 2015". En: Proceedings of Computing in Cardiology 2015. 42, pp. 361 - 364. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3
- 43 Title of the work:** Spectral Analysis of Electroanatomical Maps for Spatial Bandwidth Estimation as support to ablation.
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Niza, France
Date of event: 06/09/2015
End date: 09/09/2015
City organizing entity: Niza, France
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Arcadio García Alberola; José Luis Rojo Álvarez. "Computing in Cardiology 2015". En: Proceedings of Computing in Cardiology 2015. 42, pp. 181 - 184. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3



- 44** **Title of the work:** Web Application for Data Exchange and Follow up in Heart Rate Turbulence.
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Niza, France
Date of event: 06/09/2015
End date: 09/09/2015
City organizing entity: Niza, France
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
Cristina Soguero Ruiz; A Sánchez Caro; Inmaculada Mora Jiménez; Luis Lechuga Suárez; José Luis Rojo Álvarez. "Computing in Cardiology 2015". En: Proceedings of Computing in Cardiology 2015. 42, pp. 193 - 196. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3
- 45** **Title of the work:** A Cardiac Web Prototype for Semantic Interoperability and Decision Support
Name of the conference: Scandinavian Health Informatics Conference (SHI)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Trömsø, Norway
Date of event: 15/06/2015
End date: 16/06/2015
City organizing entity: Trömsø, Norway
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Cristina Soguero Ruiz; Inmaculada Mora Jiménez; A Sánchez Cano; Arcadi García Alberola; Luis Lechuga; Francisco Javier Ramos López; José Luis Rojo Álvarez. "Proceedings of the 13th Scandinavian Conference on Health Informatics". 115, pp. 105 - 106. Linköping Electronic Conference Proceedings, ISBN 978-91-7685-985-8
- 46** **Title of the work:** Log-Cumulant Matching Approximation of Heavy-Tailed-Distributed Aggregate Interference
Name of the conference: IEEE International Conference on Communications
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: London, United Kingdom
Date of event: 08/06/2015
End date: 12/06/2015
City organizing entity: London, United Kingdom
Type of contribution: Scientific paper
Giancarlo Germán Pastor Figueroa; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández; Riku Jäntti. "Proceedings of the IEEE International Conference on Communications 2015". pp. 4811 - 4815. IEEE Computer Society, ISBN 978-1-4673-6432-4
DOI: 10.1109/ICC.2015.7249084
- 47** **Title of the work:** Cardiac Arrhythmia Discrimination Using Evolutionary Computation
Name of the conference: Computing in Cardiology
Type of event: Conference

Geographical area: Non EU International
Reasons for participation: Review before acceptance

Geographical area: Non EU International
Reasons for participation: Review before acceptance

Geographical area: Non EU International
Reasons for participation: Review before acceptance

Geographical area: Non EU International



Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Cambridge, Massachusetts, United States of America

Date of event: 07/09/2014

End date: 10/09/2014

City organizing entity: Cambridge, Massachusetts, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Juan Francisco Martín García; Inmaculada Mora Jiménez; Arcadio García Alberola; José Luis Rojo Álvarez. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2014. 41, pp. 121 - 124. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3

48 Title of the work: Towards Semantic Interoperability for Cardiovascular Risk Stratification into the Electronic Health Records Using Archetypes and SNOMED-CT

Name of the conference: Computing in Cardiology

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Cambridge, Massachusetts, United States of America

Date of event: 07/09/2014

End date: 10/09/2014

City organizing entity: Cambridge, Massachusetts, United States of America

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Alfonso Sánchez Caro; Cristina Soguero Ruiz; Inmaculada Mora Jiménez; Luis Lechuga; Francisco Javier Ramos López; Arcadio García Alberola; Pablo Serrano Bazalote; José Luis Rojo Álvarez. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2014. 41, pp. 497 - 500. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-4346-3

49 Title of the work: Log-Cumulants-based Edgeworth Expansion for Skew-Distributed Aggregate Interference

Name of the conference: International Symposium on Wireless Communication Systems

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Barcelona, Spain

Date of event: 26/08/2014

End date: 29/08/2014

City organizing entity: Barcelona, Catalonia, Spain

Type of contribution: Scientific paper

Giancarlo Germán Pastor Figueroa; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández; Riku Jäntti. "Proceedings of the 11th International Symposium on Wireless Communication Systems". pp. 390 - 394. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4799-5863-4

DOI: 10.1109/ISWCS.2014.6933384

50 Title of the work: Feature Selection using Kernel Component Analysis for Early Detection of Anastomosis Leakage

Name of the conference: International Workshop for Pattern Recognition in Healthcare

Type of event: Workshop

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Stockholm, Sweden

Date of event: 24/08/2014



End date: 28/08/2014

City organizing entity: Stockholm, Sweden

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Cristina Soguero Ruiz; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; K. Hindberg; Fred Godtliebsen; Stein Olav Skrøvseth; A. Revhaug; Rolv-Ole Lindsetmo; K. Mortensen; Knut Magne Augestad; Robert Jenssen. "Proceedings of the 2nd International Workshop for Pattern Recognition in Healthcare". pp. 1 - 4.

DOI: 10.13140/2.1.4123.8405

51 Title of the work: Bootstrap Resampling Feature Selection and Support Vector Machine for Early Detection of Anastomosis Leakage

Name of the conference: International Conferences on Biomedical and Health Informatics

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Valencia, Spain

Date of event: 01/06/2014

End date: 04/06/2014

City organizing entity: Valencia, Valencian Community, Spain

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Cristina Soguero Ruiz; K. Hindberg; José Luis Rojo Álvarez; S. Olav Skrøvseth; Fred Godtliebsen; K. Mortensen; A. Revhaug; R.O. Lindsetmo; Inmaculada Mora Jiménez; K. Magne Augestad; R. Jenssen. "Proceedings of the 2014 IEEE-EMBS International Conference on Biomedical and Health Informatics". pp. 577 - 580. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 9781479921317

DOI: 10.1109/BHI.2014.6864430

52 Title of the work: Physiological Feature Analysis in Heart Rate Turbulence using LASSO model

Name of the conference: Computing in Cardiology

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Zaragoza, Spain

Date of event: 22/09/2013

End date: 25/09/2013

City organizing entity: Zaragoza, Aragon, Spain

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Óscar Barquero Pérez; Rebeca Goya Esteban; Carlos Miguel Figuera Pozuelo; Inmaculada Mora Jiménez; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2013. 40, pp. 943 - 946. COMPUTING IN CARDIOLOGY, ISBN 978-1-4799-0884-4

53 Title of the work: Medium Access Probability in Uniform Networks with General Propagation Models

Name of the conference: International Symposium on Wireless Communication Systems

Type of event: Symposium

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Ilmenau, Germany

Date of event: 27/08/2013

End date: 30/08/2013

City organizing entity: Ilmenau, Germany



Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Giancarlo Germán Pastor Figueroa; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández; Riku Jäntti. "Proceedings of the Tenth International Symposium on Wireless Communication Systems". pp. 856 - 860. VDE, ISBN 978-3-8007-3529-7

54 Title of the work: Sparsity-Based Criteria for Entropy Measures

Name of the conference: International Symposium on Wireless Communication Systems

Type of event: Symposium

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Ilmenau, Germany

Date of event: 27/08/2013

End date: 30/08/2013

City organizing entity: Ilmenau, Germany

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Giancarlo Germán Pastor Figueroa; Inmaculada Mora Jiménez; Riku Jäntti; Antonio José Caamaño Fernández. "Proceedings of the Tenth International Symposium on Wireless Communication Systems". pp. 229 - 233. VDE, ISBN 978-3-8007-3529-7

55 Title of the work: Heart Rate Turbulence Modulation with Coupling Interval and Heart Rate

Name of the conference: Computing in Cardiology

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Krakow, Poland

Date of event: 09/09/2012

End date: 12/09/2012

City organizing entity: Krakow, Poland

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Óscar Barquero Pérez; Carlos Miguel Figuera Pozuelo; Rebeca Goya Esteban; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Javier Gimeno Blanes; A García Alberola. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2012. 39, pp. 173 - 176. COMPUTING IN CARDIOLOGY, ISBN 978-1-4673-2076-4

56 Title of the work: Ontology for Heart Rate Turbulence Domain Applying the Conceptual Model of SNOMED-CT

Name of the conference: Computing in Cardiology

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Cracovia, Poland

Date of event: 09/09/2012

End date: 12/09/2012

City organizing entity: Cracovia, Poland

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper



Cristina Soguero Ruíz; Luis Lechuga; Inmaculada Mora Jiménez; Francisco Javier Ramos López; Óscar Barquero Pérez; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2012. 39, pp. 89 - 92. COMPUTING IN CARDIOLOGY, ISBN 978-1-4673-2076-4

57 Title of the work: Quantitative Spectral Criteria for Cardiac Navigation Sampling Rate Using Manifold Harmonics Analysis

Name of the conference: Computing in Cardiology

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Cracovia, Poland

Date of event: 09/09/2012

End date: 12/09/2012

City organizing entity: Cracovia, Poland

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

Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Javier Sáiz; Catalina Tobón; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Computing in Cardiology". En: Proceedings of Computing in Cardiology 2012. 39, pp. 357 - 360. COMPUTING IN CARDIOLOGY, ISBN 978-1-4673-2076-4

58 Title of the work: Message-Passing Algorithms for Link Monitoring

Name of the conference: IEEE International Symposium on Wireless Communication Systems

Type of event: Symposium

Type of participation: Participatory - oral communication

City of event: París, France

Date of event: 28/08/2012

End date: 31/08/2012

City organizing entity: París, France

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

Giancarlo Germán Pastor Figueroa; Inmaculada Mora Jiménez; Eduardo Morgado Reyes; Antonio José Caamaño Fernández. "Proceedings of the 9th International Symposium on Wireless Communication Systems". pp. 121 - 125. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4673-0761-1

DOI: 10.1109/ISWCS.2012.6328342

59 Title of the work: Fundamental Frequency Estimation in Atrial Fibrillation Signals Using Correntropy and Fourier Organization Analysis

Name of the conference: International Workshop on Cognitive Information Processing

Type of event: Workshop

Type of participation: Participatory - oral communication

City of event: BAIONA, Spain

Date of event: 28/05/2012

End date: 30/05/2012

City organizing entity: BAIONA, Galicia, Spain

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



Óscar Barquero Pérez; Leif Sörnmo; Rebeca Goya Esteban; Inmaculada Mora Jiménez; Arcadio García Alberola; José Luis Rojo Álvarez. "Proceedings of the 3rd International Workshop on Cognitive Information Processing". pp. 115 - 120. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4673-1877-8

DOI: 10.1109/CIP.2012.6232909

60 Title of the work: Deal Effect Curve And Promotional Models Using Machine Learning and Bootstrap Resampling Test.

Name of the conference: International Conference on Pattern Recognition Applications and Methods

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Algarve, Portugal

Date of event: 06/02/2012

End date: 08/02/2012

City organizing entity: Algarve, Portugal

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Cristina Soguero Ruíz; Francisco Javier Gimeno Blanes; Inmaculada Mora Jiménez; María Pilar Martínez Ruiz; José Luis Rojo Álvarez. "Proceedings of the 1st International Conference on Pattern Recognition Applications and Methods". 2, pp. 537 - 540. ISBN 978-989-8425-99-7

61 Title of the work: Multivariate Spatial Clustering of Traffic Accidents for Local Profiling of Risk Factors

Name of the conference: IEEE Intelligent Transportation Systems 2011

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Washington, United States of America

Date of event: 05/10/2011

End date: 07/10/2011

City organizing entity: Washington, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Carlos Miguel Figuera Pozuelo; José María Lillo Castellano; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Antonio José Caamaño Fernández. "Proceedings of the 14th Intl. IEEE Conference on Intelligent Transportation Systems". pp. 740 - 745. ISSN 2153-0009, ISBN 978-1-4577-2198-4

62 Title of the work: Vehicular Sensor Networks in Congested Traffic: Linking STV Field Reconstruction and Communications Channel

Name of the conference: IEEE Intelligent Transportation Systems 2011

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Washington, United States of America

Date of event: 05/10/2011

End date: 07/10/2011

City organizing entity: Washington, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper



Eduardo del Arco; Eduardo Morgado Reyes; Julio Ramiro Bargueño; Inmaculada Mora Jiménez; Antonio José Caamaño Fernández. "Proceedings of the 14th Intl. IEEE Conference on Intelligent Transportation Systems". pp. 606 - 613. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISSN 2153-0009, ISBN 978-1-4577-2198-4

DOI: 10.1109/ITSC.2011.6083008

63 Title of the work: Modelo de Parámetros Concentrados para el Análisis de los Factores Fisiológicos Moduladores de la Turbulencia del Ciclo Cardíaco

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Leganés, Spain

Date of event: 24/11/2010

End date: 26/11/2010

City organizing entity: Leganés, Community of Madrid, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Óscar Barquero Pérez; José Luis Rojo Álvarez; Inmaculada Mora Jiménez; Rebeca Goya Esteban; Arcadio García Alberola. "Actas del XXVIII Congreso Anual de la Sociedad Española de Ingeniería Biomédica". pp. 219 - 222.

64 Title of the work: Reconstrucción de Cavidades Cardíacas en Sistemas de Navegación Cardíaca durante Estudios Electrofisiológicos

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Leganés, Spain

Date of event: 24/11/2010

End date: 26/11/2010

City organizing entity: Leganés, Community of Madrid, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: No

Type of contribution: Scientific paper

José Ramón Pérez; Inmaculada Mora Jiménez; Margarita Sanromán Junquera; Arcadio García Alberola; José Luis Rojo Álvarez. "Actas del XXVIII Congreso Anual de la Sociedad Española de Ingeniería Biomédica". pp. 199 - 201.

65 Title of the work: Segmentación del Endocardio en Imágenes de Tomografía Axial mediante Máquinas de Vectores Soporte

Name of the conference: Congreso Anual de la Sociedad Española de Ingeniería Biomédica

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Leganés, Spain

Date of event: 24/11/2010

End date: 26/11/2010

City organizing entity: Leganés, Community of Madrid, Spain

Publication in conference proceedings: Yes

Type of contribution: Scientific paper



Álvaro García; Inmaculada Mora Jiménez; Margarita Sanromán Junquera; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Actas del XXVIII Congreso Anual de la Sociedad Española de Ingeniería Biomédica". pp. 99 - 102.

- 66** **Title of the work:** Automatic Location of Ventricular Arrhythmia using Implantable Defibrillator Stored Electrograms
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Belfast, Ireland
Date of event: 26/09/2010
End date: 29/09/2010
City organizing entity: Belfast, Ireland
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
Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Jesús Almendral; Estrella Alberta Everss Villalba; Antonio José Caamaño Fernández; Felipe Atienza; Loreto Castilla; José Luis Rojo Álvarez. "Proceedings of Computing in Cardiology 2010". 37, pp. 749 - 752. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4244-7318-2
- 67** **Title of the work:** Effect of Physiological Changes in Heart Rate Turbulence Using a Lumped Parameter Model
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Belfast, Ireland
Date of event: 26/09/2010
End date: 29/09/2010
City organizing entity: Belfast, Ireland
Publication in conference proceedings: Yes
Geographical area: Non EU International
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Óscar Barquero Pérez; Inmaculada Mora Jiménez; Rebeca Goya Esteban; Julio Ramiro Bargeño; Arcadi Garcia Alberola; José Luis Rojo Álvarez. "Proceedings of Computing in Cardiology 2010". 37, pp. 241 - 244. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4244-7318-2
- 68** **Title of the work:** Signal Processing Subsystem Validation for T wave Alternans Estimation
Name of the conference: Computing in Cardiology
Type of event: Conference
Type of participation: Participatory - poster
City of event: Belfast, Ireland
Date of event: 26/09/2010
End date: 29/09/2010
City organizing entity: Belfast, Ireland
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
Rebeca Goya Esteban; Inmaculada Mora Jiménez; Manuel Blanco Velasco; Óscar Barquero Pérez; Antonio José Caamaño Fernández; Arcadio García Alberola; José Luis Rojo Álvarez. "Proceedings of Computing in



Cardiology 2010". 37, pp. 1035 - 1038. IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, ISBN 978-1-4244-7318-2

- 69** **Title of the work:** Heart Rate Turbulence Denoising Benchmarking Using a Lumped Parameter Model
Name of the conference: International Congress on Electrocardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Lund, Sweden
Date of event: 03/05/2010
End date: 05/05/2010
City organizing entity: Lund, Sweden
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Óscar Barquero Pérez; Inmaculada Mora Jiménez; Carlos Miguel Figuera Pozuelo; Rebeca Goya Esteban; Juan José Vinagre Díaz; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Abstracts - Journal of Electrocardiology". 44, pp. 6 - 7. ISSN 0022-0736
DOI: 10.1016/j.jelectrocard.2010.12.022
- 70** **Title of the work:** Robustness Analysis of Processing Blocks in T-wave Alternans Detection
Name of the conference: International Congress on Electrocardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Lund, Sweden
Date of event: 03/05/2010
End date: 05/05/2010
City organizing entity: Lund, Sweden
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Rebeca Goya Esteban; Manuel Blanco Velasco; Inmaculada Mora Jiménez; Óscar Barquero Pérez; Arcadio Garcia Alberola; José Luis Rojo Álvarez. "Abstracts - Journal of Electrocardiology". 44, pp. 36 - 37. ISSN 0022-0736
DOI: 10.1016/j.jelectrocard.2010.12.100
- 71** **Title of the work:** Quality Evaluation and Effect of Time Synchronization on the Digital Recovery of Intracardiac Electrograms
Name of the conference: Computers in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Park City-Utah, United States of America
Date of event: 13/09/2009
End date: 16/09/2009
City organizing entity: Park City-Utah, United States of America
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
Margarita Sanromán Junquera; Inmaculada Mora Jiménez; Estrella Alberta Everss Villalba; Jesús Almendral Garrote; Arcadi García Alberola; Felipe Atienza; Loreto Castilla San José; José Luis Rojo Álvarez. "Proceedings of Computers in Cardiology 2009". 36, pp. 801 - 804. ISBN 978-1-4244-7281-9



- 72** **Title of the work:** Rhythmometric Analysis of Heart Rate Variability Indices During Long Term Monitoring
Name of the conference: Computers in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Park City-Utah, United States of America
Date of event: 13/09/2009
End date: 16/09/2009
City organizing entity: Park City-Utah, United States of America
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
Rebeca Goya Esteban; Inmaculada Mora Jiménez; José Luis Rojo Álvarez; Óscar Barquero Pérez; S. Manzano Martínez; F. Pastor Pérez; Domingo Pascual Figal; Arcadio García Alberola. "Proceedings of Computers in Cardiology 2009". 36, pp. 57 - 60. ISBN 978-1-4244-7281-9
- 73** **Title of the work:** Detection and Estimation of T Wave Alternans with Matched Filter and Nonparametric Bootstrap Test
Name of the conference: Computers in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Bologna, Italy
Date of event: 14/09/2008
End date: 17/09/2008
City organizing entity: Bologna, Italy
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
José Luis Rojo Álvarez; Óscar Barquero Pérez; Inmaculada Mora Jiménez; Rebeca Goya Esteban; Javier Gimeno Blanes; Arcadi García Alberola. "Proceedings of Computers in Cardiology 2008". 35, pp. 617 - 620. ISBN 978-1-4244-3706-1
DOI: 10.1109/CIC.2008.4749117
- 74** **Title of the work:** Analysis of Physiological Meaning of Detrended Fluctuation Analysis in Heart Rate Variability Using a Lumped Parameter Model
Name of the conference: Computers in Cardiology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Durham (North Carolina), United States of America
Date of event: 30/09/2007
End date: 03/10/2007
City organizing entity: Durham (North Carolina), United States of America
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
José Luis Rojo Álvarez; A Sánchez Sánchez; Óscar Barquero Pérez; Rebeca Goya Esteban; Estrella Alberta Everss Villalba; Inmaculada Mora Jiménez; Arcadio García Alberola. "Proceedings of Computers in Cardiology 2007". 34, pp. 25 - 28. ISBN 978-1-4244-2533-4
DOI: 10.1109/CIC.2007.4745412



- 75 Title of the work:** Path Efficiency in Mobile Ad-Hoc Networks
Name of the conference: International Symposium on Wireless Communication Systems
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Valencia, Spain
Date of event: 05/09/2006
End date: 08/09/2006
City organizing entity: Valencia, Valencian Community, Spain
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
 Antonio José Caamaño Fernández; Juan José Vinagre Díaz; Inmaculada Mora Jiménez; Carlos Miguel Figuera Pozuelo; Francisco Javier Ramos López. "Proceedings of the 3rd International Symposium on Wireless Communication Systems". pp. 223 - 227. ISBN 978-1-4244-0398-1
- 76 Title of the work:** Improving Kernel-based Classifiers by Guided Dynamic Sample Selection
Name of the conference: International Conference on Artificial Neural Networks In Engineering
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: St. Louis, United States of America
Date of event: 02/11/2003
End date: 05/11/2003
City organizing entity: St. Louis, United States of America
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
 Inmaculada Mora Jiménez; Rebeca García Marciel; Aníbal R. Figueiras Vidal. "Smart Engineering System Design: Neural Networks, Fuzzy Logic, Evolutionary Programming, Complex Systems and Artificial Life. Volumen 13.". En: Proceedings of the Artificial Neural Networks in Engineering Conference. 13, pp. 27 - 32. ASME Press, ISBN 0-7918-0204-3
- 77 Title of the work:** A Trainable Classifier via k-Nearest Neighbors
Name of the conference: International Conference on Hybrid Intelligent Systems
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Santiago, Chile
Date of event: 01/12/2002
End date: 04/12/2002
City organizing entity: Santiago, Chile
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
 Inmaculada Mora Jiménez; Abdelouahid Lyhyaoui; Jerónimo Arenas García; Ángel Navia Vázquez; Aníbal R. Figueiras Vidal. "Frontiers in Artificial Intelligence and Applications. Soft Computing Systems. Design, Management and Applications". En: Soft Computing Systems. Design, Management and Applications. 87, pp. 365 - 373. IOS Press, ISSN 0922-6389



- 78** **Title of the work:** Creating Modular-like Ensembles by Output Clustering
Name of the conference: Learning
Type of event: Workshop
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: Yes
City of event: Leganés, Spain
Date of event: 23/10/2002
End date: 25/10/2002
City organizing entity: Leganés, Spain
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Inmaculada Mora Jiménez; Abdelouahid Lyhyaoui; Jerónimo Arenas García; Aníbal R. Figueiras Vidal. "Proceedings of Learning'02: Advances in Multimedia Communications, Information Processing, and Education". pp. 1 - 6. Servicio de publicaciones de la Universidad Carlos III de Madrid, ISBN 84-89315-27-2
- 79** **Title of the work:** Real Time People Counter Video Sensor using Morphological Tools
Name of the conference: IX Symposium on Pattern Recognition and Image Analysis
Type of event: Symposium
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
City of event: Benicasim, Spain
Date of event: 16/05/2001
End date: 18/05/2001
City organizing entity: Benicasim, Spain
Publication in conference proceedings: No
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Jesús Molina; Valery Naranjo Ornedo; Inmaculada Mora Jiménez; Antonio Albiol Colomer. "Proceedings of the IX Spanish Symposium on Pattern Recognition and Image Analysis". pp. 127 - 131. Publicacions de la Universitat Jaume I, ISBN 84-8021-351-5
- 80** **Title of the work:** Growing Support Vector Classifiers via Architecture Boosting
Name of the conference: Learning
Type of event: Workshop
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
City of event: Leganés, Spain
Date of event: 25/10/2000
End date: 27/10/2000
City organizing entity: Leganés, Spain
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Emilio Parrado Hernández; Inmaculada Mora Jiménez; Ángel Navia Vázquez. "Proceedings of Learning'00". pp. 1 - 6. Universidad Carlos III de Madrid (Getafe), ISBN 84-89315-19-1
- 81** **Title of the work:** A New Spread Spectrum Watermarking Method with Self-Synchronization Capabilities
Name of the conference: IEEE International Conference on Image Processing
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International



Reasons for participation: Review before acceptance

City of event: Vancouver, Canada

Date of event: 10/09/2000

End date: 13/09/2000

City organizing entity: Vancouver, Canada

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Inmaculada Mora Jiménez; Ángel Navia Vázquez. "Proceedings of the 2000 International Conference on Image Processing". 3, pp. 415 - 418. IEEE Computer Society, ISBN 0780362977

82 Title of the work: Real-Time High Density People Counter using Morphological Tools

Name of the conference: IEEE International Conference on Pattern Recognition

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Spain

Date of event: 03/09/2000

End date: 07/09/2000

City organizing entity: Barcelona, Spain

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

Antonio Albiol Colomer; Valeriana Naranjo Ornedo; Inmaculada Mora Jiménez. "Proceedings of the 15th International Conference on Pattern Recognition". 4, pp. 652 - 655. IEEE Computer Society, ISBN 0-7695-0751-4

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

1 Title of the work: EURICLEA: La mentoría para investigadores en la Universidad Rey Juan Carlos

Name of the event: XIX Foro Internacional sobre Evaluación de la Calidad de la Investigación y la Educación Superior

Type of event: Workshop

City of event: Virtual,

Date of event: 28/09/2022

End date: 30/09/2022

Organising entity: FECIES

Gema Díaz Gil; Lydia González Serrano; Inmaculada Mora Jiménez.

2 Title of the work: Digitalización y Data Science al Servicio de la Salud

Name of the event: Conferencia Women in Data Science

Type of event: Seminar

Reasons for participation: Upon invitation

City of event: Madrid, Community of Madrid, Spain

Date of event: 21/06/2022

Organising entity: Plataforma Women in Data Science (WiDS)

Inmaculada Mora Jiménez.



- 3** **Title of the work:** Del Big Bang Data a la Salud de Vanguardia
Name of the event: Congreso Nacional de Documentación Médica
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Madrid, Community of Madrid, Spain
Date of event: 09/06/2022
End date: 11/06/2022
Organising entity: Sociedad Española de Documentación Médica
Inmaculada Mora Jiménez.
- 4** **Title of the work:** Salidas profesionales en Ingeniería Biomédica
Name of the event: Jornadas Docentes en Ingeniería Biomédica
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Madrid, Community of Madrid, Spain
Date of event: 31/03/2022
Organising entity: Consejo Estatal de Estudiantes de Ingeniería Biomédica e Ingeniería de la Salud
Inmaculada Mora Jiménez.
- 5** **Title of the work:** Coaching como complemento al estudio para alumnos de primer curso de la ETSIT. Análisis de resultados 2012, 2013 y 2014
Name of the event: II Jornadas de Coaching Grupales para la Mejora del Rendimiento de Alumnos de Primer Curso en Ingeniería de Telecomunicaciones
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Fuenlabrada, Community of Madrid, Spain
Date of event: 17/11/2015
Organising entity: Universidad Rey Juan Carlos
Inmaculada Mora Jiménez.
- 6** **Title of the work:** Segmentation of Chronic Patients using Data of Pharmaceutical Dispensing and Machine Learning Techniques (II)
Name of the event: Seminar on Chronicity Prediction through EHR
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Tromso, Norway
Date of event: 11/05/2015
Organising entity: Department of Physics and Technology - University of Tromso
Inmaculada Mora Jiménez.
- 7** **Title of the work:** Segmentation of Chronic Patients using Data of Pharmaceutical Dispensing and Machine Learning Techniques (I)
Name of the event: Seminar on Chronicity Prediction through EHR
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Tromso, Norway
Date of event: 28/04/2015
Organising entity: Department of Physics and Technology - University of Tromso
Inmaculada Mora Jiménez.



- 8** **Title of the work:** Análisis estadístico de los resultados del proyecto Jornadas de Coaching Grupales para la Mejora y Rendimiento de Alumnos de Primer Curso en Grado
Name of the event: Estudio Experimental sobre Beneficios del Coaching para Alumnos como Complemento al Estudio
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Fuenlabrada, Community of Madrid, Spain
Date of event: 20/11/2014
Organising entity: Universidad Rey Juan Carlos
Inmaculada Mora Jiménez.
- 9** **Title of the work:** La tecnología al servicio de pacientes en riesgo cardiovascular: Localización automática de arritmias
Name of the event: eSalud y eAccesibilidad: Claves para la Vida Independiente de los Colectivos Vulnerables
Type of event: Workshop
Reasons for participation: Speaker
City of event: Fuenlabrada, Community of Madrid, Spain
Date of event: 20/04/2010
End date: 20/04/2010
Organising entity: Fundación Vodafone España
Inmaculada Mora Jiménez.
- 10** **Title of the work:** Diseño de Redes Bluetooth
Name of the event: Curso de Tecnologías Inalámbricas
City of event: Madrid, Spain
Date of event: 05/10/2005
End date: 06/10/2005
Organising entity: Aeropuertos Españoles y Navegación Aérea
Type of entity: Business
Inmaculada Mora Jiménez.
- 11** **Title of the work:** Restauración de Imágenes
Name of the event: Programa Formativo sobre el Tratamiento de Imágenes para Policía Científica
City of event: Leganés, Community of Madrid, Spain
Date of event: 12/03/2004
End date: 31/05/2004
Organising entity: Universidad Rey Juan Carlos
Type of entity: University
Inmaculada Mora Jiménez.
- 12** **Title of the work:** Aplicaciones de la Teoría de la Señal al Procesado de Imágenes
Name of the event: Programa Formativo sobre el Tratamiento de Imágenes para Policía Científica
City of event: Leganés, Community of Madrid, Spain
Date of event: 01/04/2003
End date: 29/05/2003
Organising entity: Universidad Rey Juan Carlos
Type of entity: University
Inmaculada Mora Jiménez.
- 13** **Title of the work:** Técnicas Avanzadas de Segmentación de Imágenes
Name of the event: IV Curso de Tratamiento Digital de la Imagen
Type of event: Course



Reasons for participation: Speaker
Geographical area: National
City of event: Teruel, Aragon, Spain
Date of event: 19/07/1999
End date: 24/07/1999
Organising entity: Universidad de Verano de Teruel **Type of entity:** University
Inmaculada Mora Jiménez.

- 14 Title of the work:** Segmentación de Imágenes
Name of the event: III Curso de Tratamiento Digital de la Imagen
Type of event: Course
Reasons for participation: Speaker
Geographical area: National
City of event: Teruel, Aragon, Spain
Date of event: 20/07/1998
End date: 25/07/1998
Organising entity: Universidad de Verano de Teruel **Type of entity:** University
Inmaculada Mora Jiménez.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Revisora de contribuciones a la revista "Healthcare Technology Letters"
Affiliation entity: IET The Institution of Engineering and Technology
Start date: 01/01/2015
- 2 Committee title:** Revisora de contribuciones a la revista "International Journal of Advances in Management Science"
Affiliation entity: Science and Engineering Publishing Company
Start date: 01/01/2015
- 3 Committee title:** Miembro del panel de expertos para evaluar las solicitudes de acreditación para el acceso al cuerpo de Profesores Titulares de Universidad en la rama de Ingeniería y Arquitectura
Affiliation entity: ANECA
Start date: 21/10/2014
- 4 Committee title:** Evaluador de solicitudes de proyectos en el Área de Tecnologías Electrónicas y de Comunicaciones de la ANEP
Affiliation entity: AGENCIA NACIONAL DE EVALUACIÓN Y PROSPECTIVA - ANEP
Start date: 2014
- 5 Committee title:** Revisora de contribuciones al "Annual Symposium AMIA (American Medical Informatics Association)", ediciones 2014 y 2015
Affiliation entity: American Medical Informatics Association
Start date: 2014
- 6 Committee title:** Vocal de la Comisión de evaluación de las solicitudes del programa "Juan de La Cierva" del área de Tecnología Electrónica y de las Comunicaciones
Affiliation entity: DIRECCIÓN GENERAL DE INVESTIGACIÓN CIENTÍFICA Y TÉCNICA



Start date: 08/03/2013

- 7** **Committee title:** Revisora de contribuciones a la revista "IEEE Transactions on Wireless Communications"
Affiliation entity: IEEE COMMUNICATIONS SOCIETY
Start date: 01/01/2013
- 8** **Committee title:** Evaluación de solicitudes del programa "Juan de La Cierva", área de Tecnología Electrónica y de la Comunicaciones
Affiliation entity: MINISTERIO DE ECONOMIA Y COMPETITIVIDAD
Start date: 01/2013
- 9** **Committee title:** Revisora de contribuciones a la revista "Wireless Networks"
Affiliation entity: SPRINGER
Start date: 01/01/2012
- 10** **Committee title:** Revisora de contribuciones al "20th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning"
Start date: 2012
- 11** **Committee title:** Revisora de contribuciones al "3rd Intl. Workshop on Cognitive Information Processing"
Start date: 2012
- 12** **Committee title:** Revisora de contribuciones en el XXVII Simposium Nacional de la Unión Científica Internacional de Radio
Affiliation entity: UNIVERSIDAD MIGUEL HERNÁNDEZ. CAMPUS ELCHE.
Start date: 2012
- 13** **Committee title:** Vocal de la Comisión para la valoración y selección de solicitudes de Proyectos de investigación en el Área de Tecnologías Electrónicas y de Comunicaciones
Affiliation entity: Ministerio de Ciencia e Innovación
Start date: 25/03/2011
- 14** **Committee title:** Evaluación de Proyectos del Programa Nacional de Investigación Fundamental
Affiliation entity: Ministerio de Ciencia e Innovación
Start date: 2010
- 15** **Committee title:** Revisora de contribuciones a las Jornadas Telecom I+D 2008
Affiliation entity: Escuela Técnica Superior de Ingeniería de Bilbao,
Start date: 2008
- 16** **Committee title:** Revisora de contribuciones a las Jornadas Telecom I+D 2007
Affiliation entity: Universidad Politécnica de Valencia
Start date: 2007
- 17** **Committee title:** Revisora de contribuciones al congreso "Learning", ediciones 2002 y 2004
Affiliation entity: UNIVERSIDAD MIGUEL HERNÁNDEZ. CAMPUS ELCHE.
Start date: 2002



- 18** **Committee title:** Revisora de contribuciones a la revista "IEEE Transactions on Neural Networks"
Affiliation entity: IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS
Start date: 1999

Organization of R&D activities

- 1** **Title of the activity:** Sistemas de Transporte Inteligente: Análisis del Tráfico y su Contaminación
Type of activity: Jornada divulgativa **Geographical area:** Non EU International
City of event: Fuenlabrada, Community of Madrid, Spain
Convening entity: Noche Europea de los Investigadores - Madrid
City convening entity: Madrid, Community of Madrid, Spain
Type of participation: Organiser
Start-End date: 24/09/2014 - 24/09/2014
- 2** **Title of the activity:** Tecnologías de la Información y Comunicación para la Eficiencia Energética
Type of activity: Jornada **Geographical area:** Local
City of event: Fuenlabrada, Community of Madrid, Spain
Convening entity: Universidad Rey Juan Carlos
City convening entity: Madrid, Spain
Type of participation: Organiser
Start-End date: 20/03/2014 - 25/03/2014 **Duration:** 2 days
- 3** **Title of the activity:** Sistemas de Navegación por Satélite. El Programa Europeo
Type of activity: Curso **Geographical area:** Local
City of event: Fuenlabrada, Community of Madrid, Spain
Convening entity: Universidad Rey Juan Carlos y AENA
City convening entity: Madrid
Type of participation: Organiser
Start-End date: 30/06/2008 - 03/07/2008
- 4** **Title of the activity:** Tecnologías y Sistemas de Navegación por Satélite
Type of activity: Curso **Geographical area:** Local
City of event: Fuenlabrada, Community of Madrid, Spain
Convening entity: Universidad Rey Juan Carlos y AENA
City convening entity: Madrid, Spain
Type of participation: Organiser
Start-End date: 02/07/2007 - 06/07/2007
- 5** **Title of the activity:** Comunicaciones inalámbricas y aplicaciones desarrolladas por alumnos de la ETSIT de la URJC
Type of activity: Feria
City of event: Madrid, Community of Madrid, Spain
Convening entity: Salón Internacional de Estudiante y de la Oferta Educativa
Type of participation: Organiser
Start-End date: 07/03/2007 - 11/03/2007
- 6** **Title of the activity:** Las Telecomunicaciones en la Sociedad de la Información y el Conocimiento
Type of activity: Jornada **Geographical area:** National
City of event: Pazo de Mariñán, Galicia, Spain
Convening entity: REAL ACADEMIA DE INGENIERIA



City convening entity: Madrid, Spain

Type of participation: Asistente de organización

Start-End date: 18/09/2002 - 20/09/2002

Duration: 3 days

- 7** **Title of the activity:** Inteligencia Artificial y Big Data: una imagen vale más que mil palabras
Type of activity: Jornada divulgativa **Geographical area:** Regional
City of event: Fuenlabrada, Community of Madrid, Spain
Convening entity: Proyecto FCT-19-14424 de la Convocatoria de ayudas para el fomento de la cultura científica, tecnológica y de la innovación **Type of entity:** University
City convening entity: Madrid, Community of Madrid, Spain
Type of participation: Organiser
Start date: 20/05/2021

R&D management

- 1** **Name of the activity:** Colaboradora en la Agencia Andaluza del Conocimiento
Type of management: Management of R&D&I actions and projects
Performed tasks: Evaluación de solicitudes
Entity: Agencia Andaluza del Conocimiento **Type of entity:** Agencia regional
Start date: 25/10/2016 **Duration:** 3 months
Aims of the event: Concesión de ayudas
Specific tasks: Evaluación de solicitudes
- 2** **Name of the activity:** Experto del Programa ACADEMIA
Type of management: Evaluación de solicitudes
Performed tasks: Evaluación de solicitudes de acreditación para TU
Entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Agencia nacional
Start date: 10/10/2014 **Duration:** 3 years
Aims of the event: Concesión de acreditación nacional al cuerpo de Titulares de Universidad
Specific tasks: Evaluación de solicitudes de acreditación para el acceso al cuerpo de Profesores Titulares de Universidad en la rama de Ingeniería y Arquitectura
- 3** **Name of the activity:** Vocal de la Comisión - Programa Juan de La Cierva
Type of management: Comisión de evaluación
Performed tasks: Evaluación de solicitudes. Discusión y redacción de informes
City of entity: Madrid, Community of Madrid, Spain
Entity: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
Start date: 08/03/2013
Aims of the event: Propuesta de concesión de ayuda económica
Specific tasks: Valoración y selección de solicitudes de proyectos en el Área de Tecnología Electrónica y de la Comunicaciones
- 4** **Name of the activity:** Vocal de la Comisión - Programa Nacional de Proyectos de Investigación Fundamental del Ministerio de Ciencia e Innovación
Type of management: Comisión de evaluación
Performed tasks: Evaluación de proyectos de investigación. Discusión y redacción de informes
City of entity: Madrid, Community of Madrid, Spain
Entity: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio



Start date: 01/06/2011

Aims of the event: Propuesta de concesión de ayuda económica a proyectos de investigación del Plan Nacional

Specific tasks: Valoración y selección de solicitudes de proyectos en el Área de Tecnologías Electrónicas y de Comunicaciones (Procesado de la Señal)

5 Name of the activity: Evaluación de Proyectos de Investigación (programas nacionales y autonómicos)

Type of management: Evaluación de proyectos

Performed tasks: Emisión de informes sobre proyectos de investigación

Entity: Agencia Nacional de Evaluación y Prospectiva

Type of entity: Agencia nacional

Start date: 10/03/2011

Duration: 6 years

Other achievements

Stays in public or private R&D centres

1 Entity: University of Tromsø

Type of entity: University

Faculty, institute or centre: Faculty of Science and Technology

City of entity: Tromsø, Norway

Start-End date: 01/04/2015 - 30/06/2015

Duration: 3 months

Funding entity: Ministerio de Educación, Cultura y Deporte

City funding entity: Madrid, Community of Madrid, Spain

Name of programme: Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016 en I+D+i

Goals of the stay: Post-doctoral

Provable tasks: Estancia de investigación bajo el proyecto "Aprendizaje Máquina Basado en Teoría de la Información para la Segmentación de Pacientes Crónicos a Partir de Datos de Dispensación Farmacéutica"

Acquired skills developed: Estudio de técnicas de aprendizaje máquina basadas en Teoría de la Información

Relevant results: Aplicación de técnicas de aprendizaje máquina basadas en Teoría de la Información para descubrir interrelaciones entre datos de dispensación farmacológica y el estado de cronicidad de un determinado paciente

Identify key words: Electronic technology and of the communications

2 Entity: Departamento de Comunicaciones. Universidad Politécnica de Valencia

Type of entity: University

Faculty, institute or centre: ETSI Telecomunicación

City of entity: Valencia, Valencian Community, Spain

Start-End date: 10/06/2006 - 20/09/2006

Duration: 3 months

Goals of the stay: Guest

Provable tasks: Aplicación de técnicas de aprendizaje estadístico en secuencias de vídeo para contabilizar las personas que entran/salen de un recinto



Obtained grants and scholarships

- 1** **Name of the grant:** Ayuda del Subprograma de Movilidad - Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016 en I+D+i
Identify key words: Electronic technology and of the communications
Aims: Post-doctoral
Awarding entity: Ministerio de Educación, Cultura y Deporte **Type of entity:** State agency
Amount of the grant: 8.734 €
Conferral date: 29/12/2014 **Duration:** 3 months
End date: 30/06/2015
Entity where activity was carried out: University of Tromso, Norway
Faculty, institute or centre: Facultad de Ciencias y Tecnología
- 2** **Name of the grant:** Erasmus + Staff
Identify key words: Electronic technology and of the communications
Aims: Formación
Awarding entity: Comisión Europea **Type of entity:** Institución europea
Amount of the grant: 480 €
Conferral date: 19/08/2014 **Duration:** 5 days
End date: 24/08/2014
Entity where activity was carried out: University of Tromso, Norway
Faculty, institute or centre: Facultad de Ciencias y Tecnología
- 3** **Name of the grant:** Beca predoctoral de Formación de Profesorado Universitario
Identify key words: Electronic technology and of the communications
Aims: Pre-doctoral
Awarding entity: Ministerio de Educación, Cultura y Deporte **Type of entity:** State agency
Conferral date: 01/01/1999 **Duration:** 4 years
End date: 31/12/2002
Entity where activity was carried out: UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)
Faculty, institute or centre: Escuela Politécnica Superior
- 4** **Name of the grant:** Beca Proy Invest Art.83 ATALAYA
Identify key words: Electronic technology and of the communications
Aims: Pre-doctoral
Awarding entity: Universidad Carlos III de Madrid **Type of entity:** University
Amount of the grant: 2.410 €
Conferral date: 01/09/1998 **Duration:** 4 months
End date: 31/12/1998
Entity where activity was carried out: UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)
Faculty, institute or centre: Escuela Politécnica Superior
- 5** **Name of the grant:** Beca Proy Invest Art.83 "Contador de personas mediante visión artificial en tiempo real"
Identify key words: Electronic technology and of the communications
Aims: Colaboración proyecto investigación
Awarding entity: Universidad Politécnica de Valencia **Type of entity:** University



Amount of the grant: 3.578 €

Conferral date: 01/02/1998

Duration: 6 months

End date: 31/07/1998

Entity where activity was carried out: Universidad Politécnica de Valencia

Faculty, institute or centre: Escuela Técnica Superior de Ingenieros de Telecomunicación

6 Name of the grant: Beca Proy Invest Art.83 "Gestión de recursos en redes de emergencias"

Identify key words: Electronic technology and of the communications

Aims: Colaboración proyecto investigación

Awarding entity: Universidad Politécnica de Valencia

Type of entity: University

Conferral date: 01/05/1998

Duration: 1 month

End date: 31/05/1998

Entity where activity was carried out: Universidad Politécnica de Valencia

Faculty, institute or centre: Escuela Técnica Superior de Ingenieros de Telecomunicación

7 Name of the grant: Beca de Colaboración

Identify key words: Electronic technology and of the communications

Aims: Colaboración Departamento de Comunicaciones

Awarding entity: Ministerio de Educación, Cultura y Deporte

Amount of the grant: 2.108 €

Conferral date: 01/12/1996

Duration: 8 months

End date: 31/07/1997

Entity where activity was carried out: Universidad Politécnica de Valencia

Faculty, institute or centre: ETSIT

Summary of other achievements

1 Description of the achievement: Participación con una entrevista en el evento "Organon Light Up! 22+ Conectados" (periodista: Marta Fernández)

Accrediting entity: Organon Española, S.A.

Type of entity: Business

City accrediting entity: Madrid, Spain

Conferral date: 15/12/2022

2 Description of the achievement: Ponencia "Cómo Internacionalizar tu Investigación"

Accrediting entity: Universidad Rey Juan Carlos

Type of entity: University

City accrediting entity: Madrid, Spain

Conferral date: 13/05/2022

3 Description of the achievement: Participación en el Programa "Mentoring Profesorado: Cómo ser un Buen Mentor"

Accrediting entity: Universidad Rey Juan Carlos

Type of entity: University

City accrediting entity: Madrid, Spain

Conferral date: 23/03/2022

4 Description of the achievement: Ponencia "La mentoría en la investigación: presentación del programa EURICLEA"

Accrediting entity: Universidad Rey Juan Carlos

Type of entity: University

City accrediting entity: Madrid, Spain

Conferral date: 10/02/2022



- 5** **Description of the achievement:** Participación en el Grupo de trabajo del Programa de Mentorización en la Investigación EURICLEA
Accrediting entity: Universidad Rey Juan Carlos **Type of entity:** University
City accrediting entity: Madrid, Spain
Conferral date: 04/02/2022
- 6** **Description of the achievement:** - Organización y dinamización del Reto "Incremento del atractivo y de la paridad de género en los estudios de Ingeniería de Telecomunicación"
Accrediting entity: Hackaton "Start It Up" **Type of entity:** University
City accrediting entity: Madrid, Spain
Conferral date: 03/04/2019
- 7** **Description of the achievement:** Revisora de los artículos presentados para las <I>Jornadas Telecom I+D 2008</I>
Conferral date: 01/01/2008
- 8** **Description of the achievement:** Participación en Tribunal de Tesis Doctoral / Por invitación de la Universidad Carlos III de Madrid, he participado en el tribunal para valorar y juzgar la Tesis Doctoral "Teoría del Encaminamiento en Redes Ad-Hoc Inalámbricas". Autor: Juan José Vinagre Díaz. Directores: Dr. Antonio Caamaño Fernández y Dr. Francisco Javier Ramos López. Titulación: Ingeniero de Telecomunicación. Calificación: Sobresaliente cum laude por unanimidad.
Accrediting entity: UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)
Conferral date: 12/07/2007
- 9** **Description of the achievement:** Seminario "Tecnologías y Sistemas de Navegación por Satélite"
Accrediting entity: Universidad Rey Juan Carlos
Conferral date: 02/07/2007
- 10** **Description of the achievement:** Responsable en URJC del Máster Oficial Interuniversitario en Multimedia y Comunicaciones (coordinado por UC3M)
Accrediting entity: Universidad Rey Juan Carlos
Conferral date: 01/06/2007
- 11** **Description of the achievement:** Revisora de los artículos presentados para las <I>Jornadas Telecom I+D 2007</I>
Conferral date: 01/01/2007
- 12** **Description of the achievement:** Coordinadora del Programa Oficial de Postgrado en Multimedia y RES-Móvil de la URJC/ Encargada de la coordinación de los dos másteres y el doctorado que integran el programa de postgrado.
Accrediting entity: Universidad Rey Juan Carlos
Conferral date: 01/05/2006
- 13** **Description of the achievement:** Responsable del Máster Oficial en Redes y Servicios de Comunicación Móviles de la URJC/ Encargada de la dirección y organización del Máster.
Accrediting entity: Universidad Rey Juan Carlos
Conferral date: 01/05/2006
- 14** **Description of the achievement:** Participación en Tribunal de Tesis Doctoral / Por invitación de la Universidad Carlos III de Madrid, he participado en el tribunal para valorar y juzgar la Tesis Doctoral "Clasificación Robusta con Redes Neuronales para Problemas con Información Imprecisa". Autor: Rocío



Alaiz Rodríguez. Directores: Dr. Jesús Cid Sueiro y Dra. Alicia Guerrero Curieses. Titulación: Ingeniero de Telecomunicación. Calificación: Sobresaliente cum laude por unanimidad.

Accrediting entity: UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)

Conferral date: 23/06/2005

15 Description of the achievement: Evaluador en el proceso de selección de los artículos presentados para el congreso internacional <I>Learning'04</I>

Accrediting entity: UNIVERSIDAD CARLOS III DE MADRID. (LEGANES)

Conferral date: 01/01/2004

16 Description of the achievement: Asistente de organización del curso de verano "Las Telecomunicaciones en la Sociedad de la Información y el Conocimiento"

Accrediting entity: Academia de Ingenieros del Ejército

Conferral date: 01/01/2002

17 Description of the achievement: Actuaciones como evaluador de la revista <I>IEEE Transactions on Neural Networks</I>

Accrediting entity: IEEE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS

Conferral date: 01/01/1998