



Andres Sanz Garcia

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Date of document: 03/10/2024

v 1.4.3

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Summary of CV

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

Tras 10 años en la empresa privada como ingeniero de proyectos (2002-2010), mi carrera docente e investigadora comenzó en 2010 como Profesor Asociado y posteriormente Profesor Contratado Interino en la Universidad de La Rioja (UR). Esta experiencia ha sido determinante para adquirir las dotes de organización que me han permitido sacar adelante la producción científica durante los últimos 5 años. Desde el inicio de mi tesis doctoral, he tenido una gran movilidad trabajando en centros de investigación punteros de Finlandia, Japón y USA. Desde, soy Profesor (Contratado Doctor) en la Universidad de Salamanca y también visiting research en Harvard University en el laboratorio de C.S. Chen.

Mi doctorado internacional fue entre 2011 y 2013 dentro del Departamento de Ingeniería Mecánica, y estuvo orientado al desarrollo industrial y mejora de los procesos de producción altamente complejos y no lineales. El grupo de investigación fue galardonado con un Premio a la Innovación otorgado por el Gobierno de la Rioja por el alto grado de transferencia tecnológica, mis resultados fueron publicados en 6 artículos en revistas científicas internacionales y complementados con 6 capítulos de libros. La tesis recibió el Premio Extraordinario de Doctorado en Ciencias por la UR. En mi etapa posdoctoral, he sido miembro de los grupos de investigación TELEVITIS (Universidad de La Rioja) y TELab (Universidad de Helsinki). He estado un periodo de dos años en el principal centro de investigación en ingeniería de tejidos de Asia (ABMES-TWINs, Japon) y otros dos años en el Chen Lab en el Wyss Institute (Harvard, Boston, USA). Destacar de mi labor en actividad de proyectos participado en 22 proyectos de investigación (actuando de coordinador en 7 de ellos).

En docencia, cabe mencionar que he sido responsable de todas las asignaturas impartidas, siendo la mayoría troncales y obligatorias, obteniendo 'excelente' en todas las evaluaciones. Además, he complementado mi formación asistiendo a números cursos de formación docente, participando con múltiples ponencias/posters en congresos internacionales orientadas a la formación educativa. También he participado en la elaboración de 8 libros docentes, la mayoría relacionados con mis campos de investigación. He contribuido a potenciar la innovación educativa integrando el uso de nuevas tecnologías en la docencia. He dirigido tres tesis doctorales y múltiples master tesis y proyectos finales de carrera. En todos los casos, he sido capaz de lograr los objetivos y cumplir con las expectativas, incluso con la especial dificultad de las diferencias culturales en el caso de Japón. Mis trabajos de investigación actuales se basan en dos pilares principales: el desarrollo de máquinas de manufactura aditiva para los campos de la biotecnología y la medicina; y la integración de herramientas de análisis de datos para la mejora de los resultados de investigación, diseño de máquinas, y procesos productivos.



CURRÍCULUM VÍTAE NORMALIZADO

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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.

Indice h = 18 (WOS)

Co-autor de más de un centenar publicaciones científicas entre revistas, capítulos de libro y comunicaciones en congresos internacionales, más concretamente (Web of Science ResearcherID):

- 57 artículos en revistas indexadas en WOS desde 2011
- 10 capítulos de libro con revisión por pares
- 2 monografías o libros científicos como co-autor
- 52 comunicaciones científicas en de conferencias con revisión
- 1 patente con evaluación positiva y concedida en 2015.
- 3 tesis doctorales dirigidas con mención internacional.

* Datos del Informe de Citas del WOS (04/FEB/2023):

* Número de publicaciones en WOS = 57

* Número de publicaciones en el primer cuartil (Q1) = 21

* Total de veces citado = 1416

* Promedio de citas por elemento = 19,8

* Promedio de citas por año = 113,0

Links:

ORCID: <https://orcid.org/0000-0003-0413-4965>

WOS: <https://publons.com/researcher/1215132/andres-sanz-garcia-phd/>

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=43061396600>

Google Scholar: <https://scholar.google.es/citations?user=jBQkx1oAAAAJ&hl=es>



Andres Sanz Garcia

Surname(s): **Sanz Garcia**
Name: **Andres**
ORCID: **0000-0003-0413-4965**
ScopusID: **43061396600**
ResearcherID: **F-7981-2012**
Contact aut. region/reg.: **Castile and León**
Email: **ansanz@usal.es**
Personal web page: **<http://diarium.usal.es/ansanz>**

Current professional situation

Employing entity: Universidad de Salamanca **Type of entity:** University
Department: Ingeniería Industrial, Escuela Técnica Superior de Ingeniería Industrial
Professional category: Profesor Contratado Doctor
Start date: 01/05/2021
Type of contract: Permanent employment contract **Dedication regime:** Full time
Primary (UNESCO code): 331315 - Machine design
Secondary (UNESCO code): 120903 - Data analysis
Tertiary (UNESCO code): 240705 - Tissue culture
Identify key words: Artificial intelligence; Numeric methods, finite elements; Tissue culture; Machine design

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Salamanca	Profesor Ayudante Doctor	03/09/2018
2	University of Helsinki	Postdoctoral Researcher	01/09/2016
3	Institute of Adv. Biomedical Engineering and Science. Tokyo Women's Med. Univ.	Investigador Postdoctoral	01/06/2014
4	University of Helsinki	Investigador Postdoctoral	01/09/2013
5	Universidad de La Rioja	Investigador	25/03/2013
6	Universidad de La Rioja	Profesor Contratado Interino	02/09/2011
7	Universidad de La Rioja	Profesor Contratado Interino	18/02/2011
8	Autonomo	AUTONOMO (Servicios tecnicos de Ingenieria)	01/11/2002
9	Universidad de La Rioja	Profesor Asociado	29/09/2009
10	Asociacion de centros riojanos educativos	Profesor	01/09/2009
11	TAGGAT S.L.	Becario. Practicas empresa.	01/06/2001
12	CYANA S.A.	Becario. Practicas empresa.	01/06/2000
13	CYANA S.A.	Becario. Practicas empresa.	01/06/1999



- 1** **Employing entity:** Universidad de Salamanca **Type of entity:** University
Professional category: Profesor Ayudante **Leadership and management (Y/N):** No
Doctor
Start-End date: 03/09/2018 - 30/04/2021 **Duration:** 2 years - 7 months
Type of contract: Temporary employment contract
Area of leadership and/or management activity: University
- 2** **Employing entity:** University of Helsinki **Type of entity:** University
Department: Faculty of Pharmacy
City employing entity: Helsinki, Etelä-Suomi, Finland
Professional category: Postdoctoral Researcher **Leadership and management (Y/N):** No
Email: andres.sanz-garcia@helsinki.fi
Start-End date: 01/09/2016 - 01/09/2018 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Diseño de sistemas de impresión 3D, analisis basado en mineria de datos, fabricacion y modelado de dispositivos para biomedicina.
Applicability in teaching and/or research: Oportunidades del diseño de sistemas mecanicos y de producción en el mundo de la biomedicina.
- 3** **Employing entity:** Institute of Adv. Biomedical **Type of entity:** University Research Institute
Engineering and Science. Tokyo Women's Med. Univ.
Department: Institute of Adv. Biomedical Engineering and Science.
Professional category: Investigador Postdoctoral **Leadership and management (Y/N):** No
Start-End date: 01/06/2014 - 31/08/2016 **Duration:** 2 years - 3 months
Type of contract: Temporary employment contract
- 4** **Employing entity:** University of Helsinki **Type of entity:** University
Professional category: Investigador Postdoctoral
Start-End date: 01/09/2013 - 30/05/2014 **Duration:** 9 months
Type of contract: Temporary employment contract
- 5** **Employing entity:** Universidad de La Rioja **Type of entity:** University
Professional category: Investigador
Start-End date: 25/03/2013 - 24/07/2013 **Duration:** 4 months
- 6** **Employing entity:** Universidad de La Rioja **Type of entity:** University
Professional category: Profesor Contratado Interino
Start-End date: 02/09/2011 - 31/08/2012 **Duration:** 1 year
- 7** **Employing entity:** Universidad de La Rioja **Type of entity:** University
Professional category: Profesor Contratado Interino
Start-End date: 18/02/2011 - 31/08/2011 **Duration:** 7 months
- 8** **Employing entity:** Autonomo **Type of entity:** Business
Professional category: AUTONOMO (Servicios tecnicos de Ingenieria)
Start-End date: 01/11/2002 - 28/02/2011 **Duration:** 8 years - 4 months
Performed tasks: DIRECTOR DE PROYECTOS DE INGENIERIA. DIRECCION DE OBRA Y COORDINADOR DE RIESGOS LABORALES. CALCULO ESTRUCTURAS E INSTALACIONES EN EDIFICIOS Y OTRAS INFRAESTRUCTURAS INDUSTRIALES. INSTALACIONES

INDUSTRIALES, LEGALIZACION Y PUESTA A PUNTO DE SISTEMAS DE PRODUCCION. DISEÑO DE MAQUINARIA Y AJUSTE DE CADENAS DE PRODUCCIÓN.

Applicability in teaching and/or research: EXPERIENCIA PROFESIONAL. LA EXPERIENCIA PROFESIONAL HA SIDO TRASLADADA A LA ENSEÑANZA IMPARTIDA EN EL AREA DE DIRECCION DE PROYECTOS. MI PUESTO DE RESPONSABILIDAD COMO PROYECTISTA HA SIDO EL MAS ELEVADO AL SER AUTOR Y DIRECTOR DE LOS PROYECTOS REALIZADOS. LA EXPERIENCIA EN MATERIALES Y CALCULO DE ELEMENTOS RESISTENTES TAMBIEN HA SIDO UTILIZADA A NIVEL DOCENTE UNIVERSITARIO EN CONTROL Y CALIDAD. A NIVEL DE INVESTIGACION, LOS CURSOS DE DOCTORADO Y EL PROGRAMA REALIZADO HAN SIDO EN "DIRECCION DE PROYECTOS".

- 9** **Employing entity:** Universidad de La Rioja **Type of entity:** University
Professional category: Profesor Asociado
Start-End date: 29/09/2009 - 17/02/2011 **Duration:** 1 year - 6 months
- 10** **Employing entity:** Asociacion de centros riojanos educativos **Type of entity:** Centro Educativo
Professional category: Profesor **Leadership and management (Y/N):** Yes
Start-End date: 01/09/2009 - 31/12/2009 **Duration:** 4 months
Type of contract: Temporary employment contract
Performed tasks: TRABAJO DESARROLLADO COMO PROFESOR EN PRIMER CICLO DE ESO
Area of leadership and/or management activity: Jefe de Departamento
Applicability in teaching and/or research: COLABORACION EN ACTIVIDADES EDUCATIVAS DESARROLLO DE COMPETENCIAS PERSONALES Y MEJORA EN LA DIDACTICA
- 11** **Employing entity:** TAGGAT S.L. **Type of entity:** Business
Professional category: Becario. Practicas empresa. **Leadership and management (Y/N):** No
Start-End date: 01/06/2001 - 01/11/2002 **Duration:** 1 year - 4 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Tareas multiples de Ingenieria.
Applicability in teaching and/or research: Experiencia Profesional en el sector de Ingeniería
- 12** **Employing entity:** CYANA S.A.
Professional category: Becario. Practicas empresa. **Leadership and management (Y/N):** No
Start-End date: 01/06/2000 - 01/09/2000 **Duration:** 3 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Diseño de estructuras metálicas.
Applicability in teaching and/or research: Experiencia Profesional en el sector de Ingeniería
- 13** **Employing entity:** CYANA S.A.
Professional category: Becario. Practicas empresa. **Leadership and management (Y/N):** No
Start-End date: 01/06/1999 - 01/09/1999 **Duration:** 3 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Calculo de Hormigón Armado
Applicability in teaching and/or research: Experiencia Profesional en el sector de Ingeniería



Other postgraduate university studies

- 1 **Type of education:** Masters
Postgraduate qualification: Máster Universitario en Prevención de Riesgos Laborales y Salud Medioambiental
City degree awarding entity: Madrid, Community of Madrid, Spain
Degree awarding entity: Universidad Camilo José Cela **Type of entity:** University
Date of qualification: 22/03/2012
Obtained qualification: 8,63
Standardised degree: No

- 2 **Postgraduate qualification:** Certificado Diploma de Estudios Avanzados
Degree awarding entity: Universidad de La Rioja **Type of entity:** University
Date of qualification: 05/09/2010

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

- 1 **Training title:** Formación Web of Science – Nivel Avanzado
Awarding entity: Universidad de Salamanca **Type of entity:** University
End date: 14/03/2019 **Duration in hours:** 2 hours

- 2 **Training title:** Stat2.1x: introduction to statistics: descriptive statistics
Awarding entity: The University of California at Berkeley (EDx) **Type of entity:** University
Aims of the entity: Conceptos de estadística básica - análisis descriptivo - conjuntos de datos - análisis de distribuciones
End date: 26/03/2013 **Duration in hours:** 50 hours

- 3 **Type of training:** Course
Training title: X International Course on Massive Data Analysis: NGS TRANSCRIPTOMICS
City awarding entity: Valencia, Valencian Community, Spain
Awarding entity: Centro de Investigación Príncipe Felipe **Type of entity:** Foundation
Training manager: Joaquin Dopazo
End date: 08/03/2013 **Duration in hours:** 40 hours

- 4 **Training title:** Programación en PHP
Awarding entity: Federación de Empresarios de La Rioja **Type of entity:** Associations and Groups
Aims of the entity: Conocer y programar en el lenguaje php formularios y otras tareas diversas
End date: 31/01/2011 **Duration in hours:** 90 hours

- 5 **Training title:** Acústica aplicada y legalidad
Awarding entity: Consejería de turismo, medio ambiente y política territorial del Gobierno de La Rioja **Type of entity:** State agency
Aims of the entity: Curso de acústica aplicada a la normativa vigente conocimientos sobre la ley de ruido código técnico de la edificación y normativa de ruido acústica básica e instrumentación



End date: 16/03/2010

Duration in hours: 16 hours

6 Training title: Java

Awarding entity: Federacion de Empresarios de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Conocimientos del lenguaje de programacion java. nivel basico y avanzado

End date: 05/05/2009

Duration in hours: 30 hours

7 Training title: Cimentaciones en el codigo tecnico de la edificacion

Awarding entity: Colegio Oficial de Ingenieros Tecnicos de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Diseño y calculo de cimentaciones segun el vigente codigo tecnico de la edificacion

End date: 06/02/2007

Duration in hours: 8 hours

8 Training title:Codigo tecnico de la edificacion. Ahorro Energetico

Awarding entity: Asociación de Ingenieros Industriales de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Conocimientos teoricos y practicos sobre la nueva legislacion vigente del codigo tecnico. diseño y calculo de las instalaciones segun la normativa vigente. aplicaciones y casos en viviendas e industrias

End date: 29/11/2006

Duration in hours: 30 hours

9 Training title: Aula permanente de ingenieria industrial: urbanismo

Awarding entity: Asociación de Ingenieros Industriales de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Conocimientos teoricos sobre urbanismo. marco normativo. desarrollos urbanisticos gestion urbanistica licencias urbanisticas casos practicos

End date: 25/05/2006

Duration in hours: 30 hours

10 Training title: Realizacion y tramitacion de proyectos

Awarding entity: Asociación de Ingenieros Industriales de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Conocimientos teoricos sobre las fases y tramitacion de los proyectos en ingenieria industrial

End date: 13/10/2005

Duration in hours: 50 hours

11 Training title: Gestion medioambiental

Awarding entity: Asociación de Ingenieros Industriales de La Rioja

Aims of the entity: Conocimientos teoricos sobre contaminacion atmosferica, en aguas y residuos solidos

End date: 21/06/2005

Duration in hours: 20 hours

12 Training title: Cogeneracion industrial

Awarding entity: Asociación de Ingenieros Industriales de La Rioja

Type of entity: Associations and Groups

Aims of the entity: Conocimientos teoricos y aspectos generales sobre la cogeneracion. aplicaciones y casos practicos.

End date: 02/06/2005

Duration in hours: 20 hours

13 Training title: Integración de sistemas y servicios para PYMES

Awarding entity: Asociacion de Ingenieros Industriales de La Rioja

Aims of the entity: Conocimientos teoricos y practicos sobre los sistemas linux, configuraciones basicas y servicios.

End date: 28/10/2004

Duration in hours: 80 hours



- 14 Training title:** El fuego y su incidencia en la calidad de los productos de la construcción
Awarding entity: Ministerio de Industria y Energía
Aims of the entity: Analizar los aspectos prácticos de calidad y de la protección contra incendios en el mercado
End date: 16/11/1999 **Duration in hours:** 8 hours
- 15 Training title:** Gestión en una empresa de servicios
Awarding entity: Universidad de La Rioja **Type of entity:** University
Aims of the entity: Conocimientos sobre gestión en empresas orientado al sector servicios y en el entorno de compañías eléctricas.
End date: 01/06/1999 **Duration in hours:** 50 hours
- 16 Training title:** Los puntos neurálgicos de la distribución: los cuadros eléctricos
Awarding entity: Schneider Electric **Type of entity:** Business
Aims of the entity: Conocimientos sobre los cuadros eléctricos: cálculos de potencia y térmicos. seguridad e instalación
End date: 05/03/1999 **Duration in hours:** 8 hours
- 17 Training title:** Mando y protección de motores
Awarding entity: Groupe Schneider **Type of entity:** Business
Aims of the entity: Conocimientos sobre los tipos de motores y las operaciones de mando y protección
End date: 24/02/1999 **Duration in hours:** 8 hours

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

- 1 Title of course/seminar:** Curso práctico de programación arduino para prototipado rápido en trabajos de grado y fin de máster
Goals of the course/seminar: Aprendizaje Arduino para docencia
City organizing entity: Béjar, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 06/05/2022 - 13/05/2022
- 2 Title of course/seminar:** Curso práctico de diseño y fabricación circuitos electrónicos profesionales mediante el software Altium Designer
Goals of the course/seminar: Aprendizaje Software Altium para docencia
City organizing entity: Béjar, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 11/02/2022 - 18/02/2022
- 3 Title of course/seminar:** Orientaciones prácticas para la inclusión de estudiantes con Síndrome de Asperger en la Universidad de Salamanca
Goals of the course/seminar: Síndrome de Asperger y estudiantes
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Servicio de Asuntos Sociales de la Universidad de Salamanca
Duration in hours: 2 hours



Start-End date: 17/02/2021 - 17/02/2021

- 4** **Title of course/seminar:** Uso de herramientas Google en la docencia en la Universidad de Salamanca
Goals of the course/seminar: Conocer las funcionalidades de Google Drive, Google Meet, Google Calendar, Google Forms
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 12 hours
Start-End date: 23/11/2020 - 04/12/2020
- 5** **Title of course/seminar:** Elaboración de rúbricas para evaluar por competencias
Goals of the course/seminar: Conocer diversos recursos y procedimientos de elaboración de rúbricas
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 12 hours
Start-End date: 03/06/2020 - 20/06/2020
- 6** **Title of course/seminar:** Formación Inicial Docente de Profesorado Universitario (FIPU)
Goals of the course/seminar: Programa básico de formación de la USAL
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 75 hours
Start-End date: 01/03/2019 - 31/07/2019
- 7** **Title of course/seminar:** Campus Virtual Studium
Goals of the course/seminar: Formación virtual: gestión de desarrollo de entornos USAL de e-aprendizaje en docencia universitaria
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Start-End date: 25/06/2019 - 28/06/2019
- 8** **Title of course/seminar:** Introducción de la perspectiva de género en la docencia universitaria
Goals of the course/seminar: Responsabilidades sociales y Seguridad y salud en el trabajo
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 03/06/2019 - 04/06/2019
- 9** **Title of course/seminar:** Gamificación práctica: creando contextos de aprendizaje gamificados
Goals of the course/seminar: Recursos informáticos para la actividad docente e investigadora
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 30/05/2019 - 31/05/2019



- 10** **Title of course/seminar:** El proyecto docente: elaboración y defensa de la materia
Goals of the course/seminar: Competencias del profesorado para la gestión del aprendizaje
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 26/05/2019 - 27/05/2019
- 11** **Title of course/seminar:** Investigación en acceso abierto
Goals of the course/seminar: Competencias informacionales orientadas a la docencia e investigación
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 4 hours
Start-End date: 24/05/2019 - 24/05/2019
- 12** **Title of course/seminar:** Mejorar la docencia universitaria: Innovación de la sesión expositiva y fomentar la participación del alumnado
Goals of the course/seminar: Metodologías para la docencia universitaria
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Instituto Universitario de Ciencias de la Educación (IUCE)
Duration in hours: 8 hours
Start-End date: 16/05/2019 - 17/05/2019
- 13** **Title of course/seminar:** University Pedagogy 2 (UP2)
Goals of the course/seminar: Constructive alignment in course design
Organising entity: University of Helsinki **Type of entity:** University
Start-End date: 01/09/2016 - 27/10/2016
Target group profile: PhD students and academic staff
Provable tasks: Course learning objectives are: You are familiar with the latest research on learning and teaching in higher education and are able to apply the results of such research in examining teaching and learning in your field. You understand the key theoretical concepts related to learning and teaching in higher education. You can also examine the teaching and learning environment from the student perspective.
- 14** **Title of course/seminar:** Actualización del campus virtual: como adaptar mis contenidos a blackboard learn y hacer uso de sus novedades
Goals of the course/seminar: Conocer la actualización del aula virtual mejorar en la inclusión de contenido mejorar en la comunicación con el alumnos. avisos y alarmas
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 02/05/2012 - 04/05/2012
Target group profile: Profesores de la UR
- 15** **Title of course/seminar:** Web 2.0 y su aplicación práctica
Goals of the course/seminar: Conocer el concepto web 2.0 aplicar el web 2.0 al desarrollo de materiales didácticos
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 25/05/2011 - 26/05/2011
Target group profile: PROFESORES DE LA UR



- 16** **Title of course/seminar:** Taller de competencias transversales
Goals of the course/seminar: Conocer las competencias transversales mejorar su inclusion en las asignaturas conocer la evaluacion de las comp. transversales
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 05/05/2011 - 06/05/2011
Target group profile: PROFESORES DE LA UR
- 17** **Title of course/seminar:** EVALUACION EN EL AULA VIRUTAL
Goals of the course/seminar: CONOCER EL AULA VIRTUAL PARA LA EVALUACION DEL ALUMNO REDUCIR LOS TIEMPOS DE EVALUACION MEJORAR EN LA TRANSMISION DE DATOS ENTRE SISTEMAS DE EVALUACION
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 01/02/2011 - 05/02/2011
Target group profile: PROFESORES DE LA UR
- 18** **Title of course/seminar:** REDACCION DE TEXTOS CIENTIFICOS EN INGLES
Goals of the course/seminar: MEJORAR LA COMPETENCIA DE PREPARACION DE TEXTOS DIDACTICOS EN INGLES INCREMENTO DE LA CANTIDAD DE RECURSOS DIDACTICOS EN SEGUNDO IDIOMA
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 11/11/2010 - 25/11/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA
- 19** **Title of course/seminar:** Administracion de un aula virtual
Goals of the course/seminar: MEJORAR EN LA ADMINISTRACION DEL AULA VIRTUAL BLACKBOARD MAYOR COMPETENCIA CON LAS HERRAMIENTAS DE CONTROL DEL AULA VIRTUAL ACTUALIZACION A LA NUEVA PLATAFORMA
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 12 hours
Start-End date: 20/11/2010 - 22/11/2010
- 20** **Title of course/seminar:** INTRODUCCION A BLACKBOARD LEARNING SYSTEM 8.0
Goals of the course/seminar: ACTUALIZACION DEL SISTEMA DE AULA VIRTUAL NUEVAS FUNCIONALIDADES INTEGRACION DE LAS HERRAMIENTAS EN LA LABOR DOCENTE
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 08/11/2010 - 12/11/2010
Target group profile: PROFESORES UNIVERSITARIOS
- 21** **Title of course/seminar:** TECNICAS Y RECURSOS PARA LA ENSEÑANZA EN INGLES DE ASIGNATURAS UNIVERSITARIAS: EL DISEÑO DE MATERIALES
Goals of the course/seminar: INTEGRACION DEL INGLES EN LAS ASIGNATURAS MANEJO DE MATERIALES EN SISEMA BILINGÜE MEJORA DE LOS RESULTADOS CON INGLES EN LAS AULAS
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 31/05/2010 - 02/06/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA



- 22** **Title of course/seminar:** APRENDIZAJE BASADO EN PROYECTOS
Goals of the course/seminar: MEJORA EN EL DESARROLLO DE PBL. EVALUACION DE LOS ALUMNOS. PROPUESTA DE PBL PARA LA ASIGNATURA ACTUAL
Organising entity: Universitat Politècnica de Catalunya **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 20/05/2010 - 20/05/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA
- 23** **Title of course/seminar:** EVALUACION DE COMPETENCIAS
Goals of the course/seminar: MEJORAR EN LA EVALUACION DE LAS COMPETENCIAS DEL ALUMNOS NUEVAS TECNICAS DE EVALUACION PRACTICAS CON CASOS REALES DE CURSOS PREVIOS
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 29/04/2010 - 30/04/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA
- 24** **Title of course/seminar:** DREAMWEAVER
Goals of the course/seminar: CONOCER LA HERRAMIENTA DE DISEÑO WEB PRACTICAS CON LA PAGINA DEL DEPARTAMENTO INTEGRACION DE CONTENIDOS EN LA WEB DE LA UNIVERSIDAD DE LA RIOJA
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 13/04/2010 - 27/04/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA
- 25** **Title of course/seminar:** PowerPoint
Goals of the course/seminar: Mayor conocimiento en el manejo de la herramienta de presentaciones para lograr mejoras en la integracion de las TIC en las aulas
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 37 hours
Start-End date: 23/02/2010 - 25/02/2010
Target group profile: PROFESORES DE LA UNIVERSIDAD DE LA RIOJA
- 26** **Title of course/seminar:** Bases psicopedagógicas del aprendizaje cooperativo. trabajo en grupo en las aulas
Goals of the course/seminar: Definición de trabajo en grupo tipología y rasgos significativos técnicas apropiadas para el trabajo en grupo evaluación final
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 11/01/2010 - 30/01/2010
Target group profile: Todos los profesores
- 27** **Title of course/seminar:** Competencias básicas en educación
Goals of the course/seminar: Definición de las competencias básicas tipos y diferencias significativas desglose de las asignaturas en competencias básicas
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 11/01/2010 - 30/01/2010
Target group profile: Todos los profesores
- 28** **Title of course/seminar:** COMUNICACION BASICA EN EL AULA VIRTUAL
Goals of the course/seminar: CONOCER EL SISTEMA DE COMUNICACION PROFESOR-ALUMNO EN EL AULA VIRTUAL METODOS DE INTEGRACION DEL APRENDIZAJE Y LAS TICs EN EL AULA VIRTUAL



Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 13/01/2010 - 27/01/2010
Target group profile: PROFESORES UNIVERSIDAD DE LA RIOJA

- 29** **Title of course/seminar:** ENSEÑAR Y APRENDER EN LA UNIVERSIDAD:METODOS Y ESTRATEGIAS BASICAS
Goals of the course/seminar: PAUTAS PARA LA GESTION DE LAS ASIGNATURAS Y EVALUACION DE LOS ALUMNOS EN LA UNIVERSIDAD
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 12 hours
Start-End date: 04/12/2009 - 04/12/2009
Target group profile: PROFESORES UNIVERSITARIOS
- 30** **Title of course/seminar:** Seminarios de presentacion de los grados por ambitos de conocimiento: estructura y funcionamiento y elaboracion de guias docentes
Goals of the course/seminar: Conocer los grados de la universidad de la rioja y el procedimiento de realizacion de las guias docentes
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 4 hours
Start-End date: 16/11/2009 - 16/11/2009
Target group profile: Todos los profesores universitarios de la UR
- 31** **Title of course/seminar:** INTRODUCCION AL USO DEL AULA VIRTUAL
Goals of the course/seminar: CONOCER LOS DISTINTOS TIPOS DE USOS TANTO INDIVIDUALES COMO COLABORATIVOS QUE SE PUEDEN ESTABLECER EN UN AULA VIRTUAL CONOCER EL CAMBIO QUE SE HA PRODUCIDO CON LA INTRODUCCION DEL NUEVO CAMPUS VIRTUAL.
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 28/10/2009 - 11/11/2009
Target group profile: PROFESORES DE NUEVA INCORPORACION A LA UNIVERSIDAD DE LA RIOJA
- 32** **Title of course/seminar:** EEES. Oferta y estructura de los grados y masters en la UR
Goals of the course/seminar: Conocer los nuevos grados bajo el EEES de la Universidad de La Rioja y su funcionamiento
Organising entity: Universidad de La Rioja **Type of entity:** University
Duration in hours: 4 hours
Start-End date: 05/11/2009 - 05/11/2009
Target group profile: Profesores de nueva incorporacion a la Universidad de La Rioja
- 33** **Title of course/seminar:** Intervencion didactica y psicopedagogica en entornos escolares
Goals of the course/seminar: Comprender el entorno educativo y de interaccion con el alumno mejorar la interaccion con alumno a traves de la intervencion didactica casos practicos aplicables a entornos academicos
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 21/04/2009 - 10/05/2009
Target group profile: Profesores de todos los niveles
- 34** **Title of course/seminar:** Nuevas tecnologias de la informacion y la comunicacion(tic) aplicadas a la educacion
Goals of the course/seminar: Determinacion de los tipos de tecnologias uso de las tics en la educacion casos de exito casos practicos en el aula
Organising entity: Universidad Camilo José Cela **Type of entity:** University



Duration in hours: 110 hours
Start-End date: 21/04/2009 - 10/05/2009
Target group profile: Todos los niveles de profesorado

- 35** **Title of course/seminar:** Recursos didacticos y psicopedagogicos:dinamicas de relacion interpersonal en el aula
Goals of the course/seminar: Conocimientos de los tipos de recursos didacticos metodologias de uso y desarrollos de los rec. aplicaciones y casos practicos en el aula
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 21/04/2009 - 10/05/2009
Target group profile: Todo tipo de profesores
- 36** **Title of course/seminar:** La educacion para la convivencia en el marco de la organizacion escolar
Goals of the course/seminar: Conocimientos sobre convivencia en el aula mejora del entorno de estudio y trabajo entornos educativos mejorados y enfocados al alumno
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 01/04/2009 - 20/04/2009
Target group profile: Todos tipo de profesores
- 37** **Title of course/seminar:** Organizacion escolar:prevencion y control de la violencia en los centros
Goals of the course/seminar: Conocer la violencia y los metodos de prevencion organizar el entorno de aprendizaje para mejorar el ambiente de estudio tecnicas de actuacion ante casos de violencia
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 01/04/2009 - 20/04/2009
Target group profile: Profesores de todos los niveles
- 38** **Title of course/seminar:** Uso integrado de las tics en los centros educativos
Goals of the course/seminar: Definicionde tics tipos de tics implantables en centros educativos metodologia de uso de las tics integracion en entornos educativos de las tics
Organising entity: Universidad Camilo José Cela **Type of entity:** University
Duration in hours: 110 hours
Start-End date: 01/04/2009 - 20/04/2009
Target group profile: Todos los niveles de profesorado
- 39** **Title of course/seminar:** Certificado de Aptitud Pedagogica
Goals of the course/seminar: Formacion Docente
City organizing entity: Logrono, La Rioja, Spain
Organising entity: Universidad de La Rioja **Type of entity:** University
Start-End date: 01/09/2008 - 05/03/2009 **Length:** 7 months

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A2	A2	A2	A2
Japanese	A2	A2	A2	A2	A2
English	C1	C1	C1	C1	C1



Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Ingeniería Gráfica
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 3
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica
Assessment type: External assessment
- 2** **Type of teaching:** Official teaching
Name of the course: Prototipado Rapido e Impresión 3D
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 4
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 6
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica
Assessment type: External assessment
- 3** **Type of teaching:** Official teaching
Name of the course: Vibraciones Mecánicas
Type of teaching: In person theory
Type of subject: Optional
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 4
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica

Assessment type: External assessment

- 4** **Type of teaching:** Official teaching
Name of the course: Diseño Avanzado y Ensayo de Máquinas
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
- 5** **Type of teaching:** Official teaching
Name of the course: Tecnología Mecánica
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
- 6** **Type of teaching:** Official teaching
Name of the course: Tecnología Mecánica II
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1
Start date: 01/02/2023 **End date:** 31/07/2023
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
- 7** **Type of teaching:** Official teaching
Name of the course: Ingeniería Gráfica
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 3
Start date: 01/02/2022 **End date:** 31/07/2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica



Assessment type: External assessment

- 8** **Type of teaching:** Official teaching
Name of the course: Prototipado Rapido e Impresion 3D
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 4
Start date: 01/02/2022 **End date:** 31/07/2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 6
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica
Assessment type: External assessment
- 9** **Type of teaching:** Official teaching
Name of the course: Vibraciones Mecánicas
Type of teaching: In person theory
Type of subject: Optional
Assessment type: External assessment
University degree: Grado en Ingeniería Mecánica
Course given: 4
Start date: 01/02/2022 **End date:** 31/07/2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
Department: Ingeniería Mecánica
Assessment type: External assessment
- 10** **Type of teaching:** Official teaching
Name of the course: Diseño Avanzado y Ensayo de Máquinas
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1
Start date: 01/02/2022 **End date:** 31/07/2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad de Salamanca **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
- 11** **Type of teaching:** Official teaching
Name of the course: Tecnología Mecánica
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1
Start date: 01/02/2022 **End date:** 31/07/2022



Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

12 Type of teaching: Official teaching

Name of the course: Tecnología Mecánica II

Type of teaching: In person theory

Type of subject: Optional

University degree: Master Universitario en Ingeniería Industrial

Course given: 1

Start date: 01/02/2022

End date: 31/07/2022

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,5

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

13 Type of teaching: Official teaching

Name of the course: Ingeniería Gráfica

Type of teaching: In person theory

Type of subject: Obligatory

Assessment type: External assessment

University degree: Grado en Ingeniería Mecánica

Course given: 3

Start date: 01/02/2021

End date: 31/07/2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4,8

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

14 Type of teaching: Official teaching

Name of the course: Vibraciones Mecánicas

Type of teaching: In person theory

Type of subject: Optional

Assessment type: External assessment

University degree: Grado en Ingeniería Mecánica

Course given: 3

Start date: 01/02/2021

End date: 31/07/2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

15 Type of teaching: Official teaching

Name of the course: Diseño Avanzado y Ensayo de Máquinas

Type of teaching: In person theory

Type of subject: Optional



University degree: Master Universitario en Ingeniería Industrial

Course given: 1

Start date: 01/02/2021

End date: 31/07/2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4,5

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

16 Type of teaching: Official teaching

Name of the course: Tecnología Mecánica II

Type of teaching: In person theory

Type of subject: Optional

University degree: Master Universitario en Ingeniería Industrial

Course given: 1

Start date: 01/02/2021

End date: 31/07/2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,5

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

17 Type of teaching: Unofficial teaching

Name of the course: Digitalización de Productos Físicos

Type of programme: Titulo Propio

Type of teaching: Virtual

Type of subject: Obligatory

University degree: Master en Tecnologías aplicadas al Diseño e Impresión 3D

Start date: 01/03/2021

End date: 01/07/2021

Entity: Universidad de Salamanca

Type of entity: University

18 Type of teaching: Official teaching

Name of the course: Ingeniería Gráfica

Type of teaching: In person theory

Type of subject: Obligatory

Assessment type: External assessment

University degree: Grado en Ingeniería Mecánica

Course given: 3

Start date: 01/02/2020

End date: 31/07/2020

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4,8

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

19 Type of teaching: Official teaching

Name of the course: Ingeniería de Transporte

Type of teaching: In person theory

Type of subject: Optional

Assessment type: External assessment

University degree: Grado en Ingeniería Mecánica

Course given: 3

Start date: 01/02/2020

End date: 31/07/2020



Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

20 **Type of teaching:** Official teaching
Name of the course: Diseño Avanzado y Ensayo de Máquinas
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1

Start date: 01/02/2020

End date: 31/07/2020

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4,5

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

21 **Type of teaching:** Official teaching
Name of the course: Tecnología Mecánica II
Type of teaching: In person theory
Type of subject: Optional
University degree: Master Universitario en Ingeniería Industrial
Course given: 1

Start date: 01/02/2020

End date: 31/07/2020

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,5

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

22 **Type of teaching:** Official teaching
Name of the course: Teoría de Mecanismos
Type of programme: Engineering
Type of subject: Obligatory
Assessment type: External assessment
University degree: Grado en Ingeniería Eléctrica / Grado en Ingeniería Electrónica
Course given: 12

Start date: 01/02/2019

End date: 31/07/2019

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

23 **Type of teaching:** Official teaching
Name of the course: Ingeniería de Materiales
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: External assessment



University degree: Grado en Ingeniería Mecánica

Course given: 3

Start date: 10/09/2018

End date: 31/01/2019

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6

Entity: Universidad de Salamanca

Type of entity: University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial

Department: Ingeniería Mecánica

Assessment type: External assessment

24 Type of teaching: Official teaching

Name of the course: Transporte y Manutención Industrial

Type of teaching: In person theory

Type of subject: Obligatory

University degree: Master Universitario en Ingeniería Industrial

Course given: 2

Start date: 10/09/2018

End date: 31/01/2019

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: Universidad de Salamanca

Type of entity: University

25 Type of teaching: Official teaching

Name of the course: Advanced course in Biopharmaceutics (590289)

Type of programme: Master's degree

Type of teaching: Laboratory work

University degree: Master in Pharmacy

Start date: 01/09/2013

End date: 31/12/2013

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 20

Entity: University of Helsinki

Type of entity: University

Faculty, institute or centre: Faculty of Pharmacy

City of entity: Helsinki, Etelä-Suomi, Finland

26 Type of teaching: Official teaching

Name of the course: INGENIERIA DEL MEDIO AMBIENTE - 1

Type of programme: Engineering

Type of teaching: In person theory

Type of subject: Core

Assessment type: Survey

University degree: Grados en Ingeniería

Course given: 1

Start date: 02/09/2011

End date: 31/08/2012

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 185

Entity: Universidad de La Rioja

Type of entity: University

Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL

Department: INGENIERIA MECANICA

City of entity: LOGROÑO, La Rioja, Spain

Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA

Assessment type: Survey

Type of entity: University

Mark obtained: 4,5

Top mark possible: 5



Subject language: Spanish

27 Type of teaching: Official teaching

Name of the course: CONTROL Y CALIDAD EN LA INGENIERIA

Type of programme: Engineering

Type of teaching: In person theory

Type of subject: Optional

Assessment type: Survey

University degree: Ingeniero Industrial

Start date: 18/02/2011

End date: 31/08/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 60

Entity: Universidad de La Rioja

Type of entity: University

Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL

Department: INGENIERIA MECANICA

City of entity: LOGROÑO, La Rioja, Spain

Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA

Assessment type: Survey

Type of entity: University

Mark obtained: 4,08

Top mark possible: 5

Subject language: Spanish

28 Type of teaching: Official teaching

Name of the course: TECNOLOGIA DE LOS MATERIALES /4

Type of programme: Engineering

Type of teaching: In person theory

Type of subject: Obligatory

Assessment type: Survey

University degree: Ingeniero Industrial

Start date: 18/02/2011

End date: 31/08/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 55

Entity: Universidad de La Rioja

Type of entity: University

Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL

Department: INGENIERIA MECANICA

City of entity: LOGROÑO, La Rioja, Spain

Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA

Assessment type: Survey

Type of entity: University

Mark obtained: 4,11

Top mark possible: 5

Subject language: Spanish

29 Type of teaching: Official teaching

Name of the course: PROYECTO FIN DE CARRERA / 3

Type of programme: Technical engineering

Type of teaching: In person theory

Type of subject: Core

Assessment type: Survey

University degree: Ingeniero Técnico Industrial Especialidad Mecánica

Start date: 18/02/2011

End date: 31/08/2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 5



Entity: Universidad de La Rioja
Type of entity: University
Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL
Department: INGENIERIA MECANICA
City of entity: LOGROÑO, La Rioja, Spain
Assessment type: Survey
Subject language: Spanish

30 **Type of teaching:** Official teaching
Name of the course: TECNICAS COMPLEMENTARIAS I (INGENIERIA TERMICA) / 4
Type of programme: Engineering
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: Survey
University degree: Ingeniero Industrial
Start date: 01/09/2010
End date: 17/02/2011
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 45
Entity: Universidad de La Rioja
Type of entity: University
Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL
Department: INGENIERIA MECANICA
City of entity: LOGROÑO, La Rioja, Spain
Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA
Assessment type: Survey
Type of entity: University
Mark obtained: 4,51
Top mark possible: 5
Subject language: Spanish

31 **Type of teaching:** Official teaching
Name of the course: MOTORES TERMICOS / 2
Type of programme: Technical engineering
Type of teaching: In person theory
Type of subject: Obligatory
Assessment type: Survey
University degree: Ingeniero Técnica Industrial Especialidad Ingeniería Mecánica
Start date: 01/09/2010
End date: 17/02/2011
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 40
Entity: Universidad de La Rioja
Type of entity: University
Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL
Department: INGENIERIA MECANICA
City of entity: LOGROÑO, La Rioja, Spain
Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA
Assessment type: Survey
Type of entity: University
Mark obtained: 4,46
Top mark possible: 5
Subject language: Spanish

32 **Type of teaching:** Official teaching
Name of the course: TECNICAS COMPLEMENTARIAS I (INGENIERIA TERMICA) / 4
Type of programme: Engineering
Type of teaching: In person theory
Type of subject: Obligatory



Assessment type: Survey
University degree: Ingeniero Industrial
Start date: 29/09/2009 **End date:** 31/08/2010
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 45
Entity: Universidad de La Rioja **Type of entity:** University
Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL
Department: INGENIERIA MECANICA
City of entity: LOGROÑO, La Rioja, Spain
Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA
Assessment type: Survey
Type of entity: University
Mark obtained: 4,42 **Top mark possible:** 5
Subject language: Spanish

33 **Type of teaching:** Official teaching
Name of the course: MOTORES TERMICOS / 2
Type of programme: Technical engineering **Type of teaching:** In person theory
Type of subject: Obligatory
Assessment type: Survey
University degree: Ingeniero Técnico Industrial Especialidad Ingeniería Mecánica
Start date: 29/09/2009 **End date:** 31/08/2010
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 40
Entity: Universidad de La Rioja **Type of entity:** University
Faculty, institute or centre: ESCUELA TECNICA SUPERIOR DE INGENIERIA INDUSTRIAL
Department: INGENIERIA MECANICA
City of entity: LOGROÑO, La Rioja, Spain
Assessment entity: COMISION DE EVALUACION DOCENTE DEL DEPARTAMENTO DE INGENIERIA MECANICA
Assessment type: Survey
Type of entity: University
Mark obtained: 4,27 **Top mark possible:** 5
Subject language: Spanish

Experience supervising doctoral thesis and/or final year projects

1 **Project title:** Control y optimización de parámetros de operación en bioimpresora 3D con tecnología DLP para Ingeniería de Tejidos
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Daniel Sanchez Garcia
Obtained qualification: 10
Date of reading: 20/10/2023



- 2** **Project title:** Diseño, desarrollo y optimización de conector para máscara de buceo con uso potencial en el manejo de insuficiencia respiratoria aguda
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Sergio Gonzalez Moreno
Obtained qualification: 9,5
Date of reading: 20/09/2023
- 3** **Project title:** Diseño y desarrollo de un sistema de control avanzado en actuadores BLDC integrados
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Federico Lopez Simon
Obtained qualification: 10
Date of reading: 15/09/2023
- 4** **Project title:** Diseño de una impresora 3D de grandes dimensiones para la fabricación de modelos anatómicos para cirugías personalizadas
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Raul Britos Hernandez
Obtained qualification: 9,5
Date of reading: 15/09/2023
- 5** **Project title:** Diseño y desarrollo de mecanismo plano paralelo con desplazamiento lineal tipo 3-PRR con fines académicos
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Amador González Hidalgo
Obtained qualification: 9
Date of reading: 15/09/2023
- 6** **Project title:** Desarrollo e implementación de robot andador tipo Jansen para limpieza automatizada de plantas fotovoltaicas
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Angel Hernandez Fernandez
Obtained qualification: 10
Date of reading: 20/07/2023



- 7** **Project title:** Diseño y desarrollo de un sistema de impresión 3D para la generación de modelos ultrarrealistas de órganos y tejidos humanos
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Anuar Ramon Gimenez El Amrani
Obtained qualification: 10
Date of reading: 23/09/2022
- 8** **Project title:** Estudio y análisis comparativo de cambios en aerodinámica en Fórmula Uno con cambio normativo 2021- 2022
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: David Bravo Sanchez
Obtained qualification: 9,5
Date of reading: 23/09/2022
- 9** **Project title:** Estudio y mejora de la aerodinámica del carenado de motocicleta eléctrica para competición
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: David Polo Arevalo
Obtained qualification: 7,5
Date of reading: 23/09/2022
- 10** **Project title:** Sistema de suspensión de motocicleta eléctrica para competición en Motostudent
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Angel Castellano Gómez
Obtained qualification: 8,5
Date of reading: 23/09/2022
- 11** **Project title:** Implementación electrónica y control de una impresora 3D de grandes dimensiones para la fabricación de modelos anatómicos para cirugías personalizadas
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Raul Britos Hernandez
Obtained qualification: 9
Date of reading: 22/09/2022
- 12** **Project title:** Mecanizado y comprobación dimensional de alta precisión mediante equipo con control numérico
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia



Entity: Universidad de Salamanca
City of entity: Bejar,
Student: Javier Campos Benitez
Obtained qualification: 9
Date of reading: 22/09/2022

Type of entity: University

13 Project title: Operación y modelado eficiente de un sistema de mezclado activo

Type of project: End of course project

Co-director of thesis: Alpha Pernía Espinoza; Andres Sanz Garcia

Entity: Universidad de La Rioja

Type of entity: University

City of entity: Logroño, La Rioja, Spain

Student: Pedro José Ruales Rocandio

Obtained qualification: 10

Date of reading: 27/07/2022

14 Project title: Cinemática y dinámica de mecanismo plano paralelo de accionamiento variable tipo 3-RRR

Type of project: End of course project

Co-director of thesis: Andres Sanz Garcia

Entity: Universidad de Salamanca

Type of entity: University

City of entity: Bejar,

Student: Jaime Gonzalez Izard

Obtained qualification: 8,5

Date of reading: 18/07/2022

15 Project title: Optimización de robot cuadrúpedo tipología mini cheetah destinado a entornos industriales

Type of project: End of course project

Co-director of thesis: Andres Sanz Garcia

Entity: Universidad de Salamanca

Type of entity: University

City of entity: Bejar,

Student: Marcos Gomez Rodriguez

Obtained qualification: 8

Date of reading: 18/07/2022

16 Project title: Prototipado rápido y control de mecanismo plano paralelo tipo 3-RPR para estudios académicos

Type of project: End of course project

Co-director of thesis: Andres Sanz Garcia

Entity: Universidad de Salamanca

Type of entity: University

City of entity: Bejar,

Student: David Rodríguez Peña

Obtained qualification: 9

Date of reading: 18/07/2022

17 Project title: Análisis y simulación dinámica del tren de rodaje de un automóvil utilitario

Type of project: End of course project

Co-director of thesis: Andres Sanz Garcia

Entity: Universidad de Salamanca

Type of entity: University

City of entity: Bejar,

Student: Alvaro de los Dolores Alvarez

Obtained qualification: 8,5

Date of reading: 10/03/2022



- 18** **Project title:** Diseño y prototipado de mecanismo flexible para locomoción biomimética
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Elena Valle Delgado
Obtained qualification: 9,5
Date of reading: 10/03/2022
- 19** **Project title:** Sistema mecánico de cinco barras (5R) para impresión y bioimpresión 3D de alta precisión
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Pablo Camara de la Fuente
Obtained qualification: 8
Date of reading: 10/03/2022
- 20** **Project title:** Diseño y desarrollo de un sistema de alta resolución para bioimpresión basada en DLP/LCD
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Daniel Sanchez Garcia
Obtained qualification: 10
Date of reading: 29/09/2021
- 21** **Project title:** Estudio cinemático y prototipado de mecanismo plano paralelo tipo 3-RRR para estudios académicos
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Roberto Carretero Álvarez
Obtained qualification: 8
Date of reading: 29/09/2021
- 22** **Project title:** Sistema de impresión 3D opensource, basado en tecnología Digital Light Processing (DLP) para geles fotocurables
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Borja Gomez Colmenar
Obtained qualification: 10
Date of reading: 21/09/2021
- 23** **Project title:** Boquilla coaxial para la impresión 3D de canales para microfluidos
Type of project: End of course project
Co-director of thesis: Alpha Pernía Espinoza; Andres Sanz Garcia
Entity: Universidad de La Rioja **Type of entity:** University



City of entity: Logroño, La Rioja, Spain
Student: Enrique Gonzalez de Viñaspre Moscardó
Obtained qualification: 10
Date of reading: 17/09/2021

24 **Project title:** Desarrollo de sistemas de calibración para equipos multicabezal de impresoras y bioimpresoras open source de extrusión de geles
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Miguel Fernández Kolb
Obtained qualification: 9
Date of reading: 11/12/2020

25 **Project title:** Diseño, control y validación de un manipulador plano paralelo para aplicaciones industriales
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Miguel Hernandez Martin
Obtained qualification: 9
Date of reading: 11/12/2020

26 **Project title:** Optimización de baterías en motos eléctricas de competición
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia; Jose Torreblanca Gonzalez
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Castile and León, Spain
Student: Sergio Gonzalez Moreno
Obtained qualification: 9
Date of reading: 10/12/2020

27 **Project title:** Sistema integrado de asistencia en la gestión de animales de explotaciones ganaderas con carácter extensivo
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Spain
Student: Pedro Garcia Garcia
Obtained qualification: 7.5
Date of reading: 30/09/2020

28 **Project title:** Diseño y desarrollo de un prototipo de extracción subacuática de basuras
Type of project: End of course project
Co-director of thesis: Teodoro Martinez Fernandez; Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Alina Raboso Saez
Obtained qualification: 9,5
Date of reading: 18/09/2020



- 29** **Project title:** Optimizacion del carenado de motocicleta de competicion para refrigeracion del motor
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia; Jose Torreblanca Gonzalez
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Sergio Gonzalez Moreno
Obtained qualification: 9
Date of reading: 18/09/2020
- 30** **Project title:** Diseño y validación de un sistema basado en soft robotics con aplicación industrial
Type of project: Minor thesis
Co-director of thesis: Andres Sanz Garcia; Jose Torreblanca Gonzalez
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Spain
Student: Francisco Manuel Garcia Ingelmo
Obtained qualification: 9
Date of reading: 27/07/2020
- 31** **Project title:** Modelo CFD de un sistema de mezclado activo
Type of project: End of course project
Co-director of thesis: Alpha Pernía Espinoza; Andres Sanz Garcia
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Álvaro Abad Pascual
Obtained qualification: 10
Date of reading: 15/07/2020
- 32** **Project title:** Sistema de impresión 3D para generación de piezas para prototipos de grandes dimensiones
Type of project: End of course project
Co-director of thesis: Miguel Angel Lorenzo Fernandez; Andres Sanz Garcia
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar,
Student: Manuel Hernandez Sanchez-Capitan
Obtained qualification: 9
Date of reading: 14/07/2020
- 33** **Project title:** Mechanical validation of the predict tensile behaviour of FDM made specimens
Type of project: Minor thesis
Co-director of thesis: Chiandussi Giorgio; Tridello Andres; Andres Sanz Garcia
Entity: Politecnico di Torino **Type of entity:** University
Student: Maria Teresa Cimino
Obtained qualification: 10
Date of reading: 25/07/2019
- 34** **Project title:** Diseño e implementación de máquina de sistema de mezclado activo para impresión de tintas
Type of project: Minor thesis
Co-director of thesis: Alpha Verónica Pernía Espinoza; Andres Sanz Garcia; Enrique Sodupe Ortega
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: José Alejandro Ponte Sandoval



Obtained qualification: 10
Date of reading: 01/07/2019

- 35** **Project title:** Optimización fluidomecánica de un sistema de mezclado activo empleando simulación numérica
Type of project: Minor thesis
Co-director of thesis: Alpha Verónica Pernía Espinoza; Andres Sanz Garcia; Enrique Sodupe Ortega
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: José Daniel Ponte Sandoval
Obtained qualification: 10
Date of reading: 01/07/2019
- 36** **Project title:** Novel Advances in Bioprinting Based on the Mechanical Design and Optimization of Open-source Systems
Type of project: Doctoral thesis
Co-director of thesis: Alpha Verónica Pernía Espinoza; Andres Sanz Garcia
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Enrique Sodupe Ortega
Obtained qualification: apto cum laude
Date of reading: 03/06/2019
European doctorate: Yes
- 37** **Project title:** Reducing uncertainty in solar radiation data to improve PV system simulations
Type of project: Doctoral thesis
Co-director of thesis: Francisco Javier Martinez de Pison Ascacibar; Andres Sanz Garcia; Fernando Antoñanzas Torres
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Ruben Urraca Valle
Obtained qualification: apto cum laude
Date of reading: 13/11/2018
European doctorate: Yes
- 38** **Project title:** Numerical-informational methodology for characterising steel bolted components coupling finite element simulations and soft computing techniques
Type of project: Doctoral thesis
Co-director of thesis: Francisco Javier Matinez de Pison Ascacibar
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: logroño, La Rioja, Spain
Student: Julio Fernandez Cenicerros
Obtained qualification: apto cum laude
Date of reading: 29/07/2015
European doctorate: Yes
- 39** **Project title:** Estado del arte en el desarrollo de sistemas de apoyo a la toma de decisiones en la gestión de proyectos
Type of project: Work leading to an ASD
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Marta Alvarez Baños



Date of reading: 01/09/2014

- 40** **Project title:** Estudio Técnico-Económico basado en energías renovables para hotel situado en el municipio de Logroño
Type of project: End of course project
Co-director of thesis: F. Javier Martinez de Pison Ascacibar; Andres Sanz Garcia
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Jaime Martinez Gomez
Obtained qualification: 7
Date of reading: 31/08/2014
- 41** **Project title:** Análisis de sensibilidad a parámetros característicos de uniones de acero atornilladas por solape mediante simulación por el método de los elementos finitos
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia; Julio Fernandez Cenicerros
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: David Pinto Tomas
Obtained qualification: 9
Date of reading: 25/07/2014
- 42** **Project title:** Diseño y desarrollo de extrusores líquidos para impresoras 3D con aplicaciones en ingeniería de tejidos
Type of project: Work leading to an ASD
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Enrique Sodupe Ortega
Obtained qualification: 10
Date of reading: 26/06/2014
- 43** **Project title:** Estudio ultraestructural y molecular del tejido capsular cicatricial formado en respuesta a distintos tipos de implantes de mama, con el fin de evaluar cuál de ellos es menos perjudicial para la salud de nuestras pacientes
Type of project: End of course project
Entity: Universidad Católica de Valencia San Vicente Mártir **Type of entity:** University
City of entity: Valencia, Valencian Community, Spain
Student: Jose Garcia Moreno
Obtained qualification: 10
Date of reading: 08/06/2014
- 44** **Project title:** Modificación de impresora 3D RepRap para impresión de hidrogeles
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia; Alpha Pernia Espinoza
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Enrique Sodupe Ortega
Obtained qualification: 10
Date of reading: 01/07/2013



- 45** **Project title:** Simulación y Validación basada en CFD de Matriz de extrusión para caracterización de fluidos no Newtonianos
Type of project: End of course project
Co-director of thesis: Andres Sanz Garcia; F. Javier MARTINEZ de Pison Ascacibar
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Ruben Urraca Valle
Obtained qualification: 10
Date of reading: 01/07/2013
- 46** **Project title:** Evaluación de la influencia de protectores hidrosolubles tipo ACQ sobre protecciones metálicas y uniones en construcciones exteriores con tableros estructuras de contrachapado hidrófugo
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Luis Ibañez Ibañez
Obtained qualification: 10
Date of reading: 14/12/2012
- 47** **Project title:** Estudio comparativo del modelo de union semirrigida segun metodos empiricos y por aproximaciones matematicas con respecto al vigente codigo tecnico de la edificacion
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Javier Gonzalez Arteaga
Obtained qualification: 9
Date of reading: 20/07/2012
- 48** **Project title:** Proyecto de aplicacion informatica basada en Java Applet para el cálculo y comprobacion de uniones atornilladas bajo normas internacionales y nacional
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Juan Horno Lalinde
Obtained qualification: 9
Date of reading: 20/07/2012
- 49** **Project title:** Proyecto de edificación modular en ámbito rústico construido mediante tablero estructural de Plywood
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Manuel Julian Alía Martinez
Obtained qualification: 9.5
Date of reading: 20/07/2012
- 50** **Project title:** Proyecto de analisis y simulacion de union atornillada semirrigida de acero tipo viga-pilar con chapa de testa extendido por el metodo de los elementos finitos
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain



Student: Eduardo Alonso Garcia
Obtained qualification: 9.5
Date of reading: 22/06/2012

51 **Project title:** Sistema de geotermia para hotel 4 estrellas de 12 habitaciones situado en La Rioja
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Sergio Del Rio de Pablo
Obtained qualification: 9
Date of reading: 25/05/2012

52 **Project title:** Diseño y optimización de un cáliper de freno
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Carlos Zurrón Barragán
Obtained qualification: 10
Date of reading: 27/04/2012

53 **Project title:** Sistema de cogeneracion para edificio de viviendas en el bloque situado en Logroño
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Eduardo Angulo Maenza
Obtained qualification: 6
Date of reading: 16/12/2011

54 **Project title:** Auditoria Termica basada en la simulacion de sistemas para el complejo cientifico-tnologico de la Universidad de La Rioja
Type of project: End of course project
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Student: Javier Antoñanzas Torres
Obtained qualification: 9.5
Date of reading: 24/06/2011

Student tutorials

1 **Name of the programme:** Educational aid
Entity: Prácticas empresa - USAL 2018-19
Number of recognized hours/ECTS credits: 1,33
Number of tutored students: 1

2 **Name of the programme:** Educational aid
Entity: PRÁCTICAS EXTERNAS I - USAL 2018-19
Number of recognized hours/ECTS credits: 7,17
Number of tutored students: 1



- 3** **Name of the programme:** Mobility programme
Entity: University of Helsinki **Type of entity:** University
City of entity: Helsinki, Itä-Suomi, Finland
Number of recognized hours/ECTS credits: 140 **Frequency of the activity:** 1
Number of tutored students: 1
- 4** **Name of the programme:** Beca de Colaboracion CURSO 2011/12
Entity: Universidad de La Rioja **Type of entity:** University
City of entity: Logrono, La Rioja, Spain
Number of tutored students: 2
- 5** **Name of the programme:** PRÁCTICA PROFESIONAL II (2018.19)
Entity: Universidad de Salamanca **Type of entity:** University
Number of recognized hours/ECTS credits: 6
Number of tutored students: 1
- 6** **Name of the programme:** Programa prototipos orientado al mercado TCUE 21-22
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Salamanca, Castile and León, Spain
Number of tutored students: 2
- 7** **Name of the programme:** becas 2019.20 de colaboración en Departamentos universitarios (Alina Rabosos Saez)
Entity: Universidad de Salamanca **Type of entity:** University
Number of recognized hours/ECTS credits: 100
Number of tutored students: 1
- 8** **Name of the programme:** becas 2020.21 de colaboración en Departamentos universitarios (Daniel Sanchez Garcia)
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Castile and León, Spain
Number of recognized hours/ECTS credits: 100
Number of tutored students: 1
- 9** **Name of the programme:** becas 2021.22 de colaboración en Departamentos universitarios (Anuar Gimenez El Amrani)
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Castile and León, Spain
Number of recognized hours/ECTS credits: 100
Number of tutored students: 1
- 10** **Name of the programme:** becas 2022.23 de colaboración en Departamentos universitarios (Federico Lopez Simon)
Entity: Universidad de Salamanca **Type of entity:** University
City of entity: Bejar, Castile and León, Spain
Number of recognized hours/ECTS credits: 100
Number of tutored students: 1



Courses and seminars given

- 1** **Type of event:** Seminar
Name of the event: Autodesk Fusion 360. Diseño y creación rápida de modelos digitales
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Hours of teaching: 8 **Teaching language:** Spanish
Teaching date: 02/06/2023
- 2** **Type of event:** Seminar
Name of the event: Prototipado rápido e impresión 3d como recursos para elaborar trabajos de fin de grado (TFG) y trabajos de fin de máster (TFM)
City organizing entity: Salamanca, Castile and León, Spain
Organising entity: Universidad de Salamanca **Type of entity:** University
Hours of teaching: 4 **Teaching language:** Spanish
Teaching date: 11/06/2021

Materials and other teaching or educational publications.

- 1** Esteban Fraile Garcia; Andres Sanz Garcia; Eduardo Martinez de Pison Ascacibar; Cesar Garcia Lozano. Construcciones Agroindustriales, Serie Monografías para la Enseñanza en las Ingenierías. 1 - 1, pp. 1 - 334. LOPEZ AND DA VINCI. 2012. ISBN 84-95416-85-9
Name of the materials: Construcciones Agroindustriales
Target group profile: Alumnos del grado de ingeniería agroindustrial
Date of drafting: 2012
Format: Book
Description Narrative: Libro publicado con isbn basado en apuntes y ejercicios previos.
Degree of contribution: Author or co-author of entire book
Corresponding author: No
Position of signature: 2
- 2** Eduardo Martinez de Pison; Andres Sanz Garcia; Ruben Lostado Lorza; Luis Maria Lopez Ochoa. Introduccion a la teoria de mecanismos y estructuras. Parte 2: estructuras, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 252. LOPEZ AND DA VINCI. 2012. ISBN 84-95416-71-9
Name of the materials: Introduccion a la teoria de mecanismos y estructuras. Parte 2: estructuras
Target group profile: Alumnos de 2º curso de Ingeniería Mecánica
Date of drafting: 2012
Format: Book
Description Narrative: Libro publicado con ISBN fruto de la colaboración entre miembros del grupo de investigación en medios continuos
Degree of contribution: Author or co-author of entire book
Corresponding author: No
Position of signature: 2
- 3** Esteban Farile Garcia; Andres Sanz Garcia; Julio Fernandez Ceniceros; Eduardo Martinez de Pison. Resistencia de materiales, Serie Monografías para la Enseñanza en las Ingenierías. 1 - 1, pp. 1 - 184. La Rioja (Spain): LOPEZ AND DA VINCI. 2012. ISBN 84-95416-84-0
Name of the materials: Resistencia de materiales
Target group profile: Nuevos cursos de grado en ingeniería mecánica



Date of drafting: 2012

Format: Book

Description Narrative: Libro publicado con isbn basado en apuntes y ejercicios previos de la carrera de ingeniería industrial.

Degree of contribution: Author or co-author of entire book

Corresponding author: No

Position of signature: 2

- 4** Pedro Villanueva Roldan; Ruben Lostado Lorza; Andres Sanz Garcia; Alpha Pernia Espinoza. Diseño de Producto Industrial, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 208. LOPEZ AND DA VINCI. 2011. ISBN 84-95416751

Name of the materials: Diseño de Producto Industrial

Target group profile: Alumnos de Ingeniería Industrial

Date of drafting: 2011

Format: Book

Description Narrative: Libro publicado con ISBN sobre los apuntes de la asignatura.

Degree of contribution: Author or co-author of entire book

Corresponding author: No

Position of signature: 3

- 5** Pedro Villanueva Roldan; Ruben Lostado Lorza; Andres Sanz Garcia; Roberto Fernandez Martinez. Factores no funcionales del diseño industrial, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 156. LOPEZ AND DA VINCI. 2011. ISBN 84-95416-74-3

Name of the materials: Factores no funcionales del diseño industrial

Target group profile: Alumnos de Ingeniería Industrial

Date of drafting: 2011

Format: Book

Description Narrative: Libro publicado con ISBN sobre los apuntes de la asignatura.

Degree of contribution: Author or co-author of entire book

Corresponding author: No

Position of signature: 3

- 6** Eduardo Martinez de Pison Ascacibar; Ruben Lostado Lorza; Pedro Villanueva Roldan; Andres Sanz Garcia. Introducción a la teoría de mecanismos y estructuras. Parte 1: Mecanismos, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 173. LOPEZ AND DA VINCI. 2011. ISBN 84-95416-70-0

Name of the materials: Introducción a la teoría de mecanismos y estructuras. Parte 1: Mecanismos

Target group profile: Alumnos de 1º curso de Ingeniería Mecánica Industrial

Date of drafting: 2011

Format: Book

Description Narrative: Libro publicado con ISBN fruto de la colaboración entre miembros del grupo de investigación en medios continuos

Degree of contribution: Author or co-author of entire book

Corresponding author: Yes

Position of signature: 3

- 7** Pedro Villanueva Roldan; Ruben Lostado Lorza; Andres Sanz Garcia; Eduardo Martinez de Pison Ascacibar. Prevención de riesgos laborales, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 236. LOPEZ AND DA VINCI. 2011. ISBN 84-95416-72-7

Name of the materials: Prevención de riesgos laborales

Target group profile: Alumnos de Ingeniería Industrial

Date of drafting: 2011

Format: Book



Description Narrative: Libro publicado con ISBN sobre los apuntes de la asignatura.
Degree of contribution: Author or co-author of entire book
Corresponding author: No
Position of signature: 3

- 8 Pedro Villanueva Roldan; Ruben Lostado Lorza; Andres Sanz Garcia; Julio Fernandez Cenicerros. Técnicas para la optimización y mejora del diseño industrial, Serie monografías para la enseñanza en las ingenierías. 1 - 1, pp. 1 - 113. LOPEZ AND DA VINCI. 2011. ISBN 84-95416-73-5

Name of the materials: Técnicas para la optimización y mejora del diseño industrial
Target group profile: Alumnos de Ingeniería Industrial
Date of drafting: 2011
Format: Book
Description Narrative: Libro publicado con ISBN sobre los apuntes de la asignatura.
Degree of contribution: Author or co-author of entire book
Corresponding author: No
Position of signature: 3

Participation in innovative teaching projects

- 1 **Project title:** PID 23/24. ID2023/037. Aprendizaje colaborativo e interdisciplinar para ingenieros basado en proyectos dentro de la estructura del Fablab USAL Béjar

City of entity: Bejar, Castile and León, Spain

Type of participation: Principal investigator

Dedication regime: Full time

Time of working relationship: For a limited time

Name of the main researcher: Andres Sanz Garcia

Number of participants: 4

Amount awarded: 0 €

Funding entity: Universidad de Salamanca

Type of entity: University

Participating entity/entities:

Universidad de Salamanca

Type of entity: University

Type of call: Competitive

Geographical area: Regional

Start-End date: 2023 - 2024

Duration: 1 year

- 2 **Project title:** APIDUR 2022-23. Flipped Classroom y seguimiento activo en un proyecto de Aprendizaje Servicio en los Grados de Ingeniería Industrial

Type of participation: Team member

Dedication regime: Part time

Time of working relationship: For a limited time

Name of the main researcher: Alpha V. Veronica Espinoza

Number of participants: 6

Amount awarded: 2.000 €

Funding entity: Universidad de La Rioja

Type of entity: University

Participating entity/entities:

Universidad de La Rioja

Type of entity: University

Type of call: Competitive

Geographical area: Regional

Start-End date: 2022 - 2023

Duration: 1 year



- 3** **Project title:** PID 22/23. ID2022/026. Battlebots: Un proyecto piloto de ingeniería interdisciplinar basado en robótica, electrónica y fabricación
City of entity: Bejar, Castile and León, Spain
Type of participation: Principal investigator
Dedication regime: Full time
Time of working relationship: For a limited time
Name of the main researcher: Andres Sanz Garcia
Number of participants: 4
Amount awarded: 0 €
Funding entity: Universidad de Salamanca **Type of entity:** University
Participating entity/entities: Universidad de Salamanca **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2022 - 2023 **Duration:** 1 year
- 4** **Project title:** APIDUR 2021-22. Aprendizaje Servicio como medio de desarrollo de la empleabilidad en los Grados de Ingeniería Industrial
Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 6
Amount awarded: 2.000 €
Funding entity: Universidad de La Rioja **Type of entity:** University
Participating entity/entities: Universidad de La Rioja **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2021 - 2022 **Duration:** 1 year
- 5** **Project title:** PID 21/22. ID2021/023. Innovación en la generación de materiales audiovisuales utilizando la "lightboard" para mejorar los procesos de enseñanza-aprendizaje en el Grado de Ingeniería Mecánica.
City of entity: Bejar, Castile and León, Spain
Type of participation: Principal investigator
Dedication regime: Full time
Time of working relationship: For a limited time
Name of the main researcher: Andres Sanz Garcia
Number of participants: 4
Amount awarded: 0 €
Funding entity: Universidad de Salamanca **Type of entity:** University
Participating entity/entities: Universidad de Salamanca **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2021 - 2022 **Duration:** 1 year



- 6** **Project title:** APIDUR 2020-21. Reaccionando en pandemia: Mejora de las metodologías de aprendizaje activo en la asignatura de Tecnología de Fabricación
Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 6
Amount awarded: 2.000 €
Funding entity: Universidad de La Rioja **Type of entity:** University
Participating entity/entities: Universidad de La Rioja **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2020 - 2021 **Duration:** 1 year
- 7** **Project title:** APIDUR 2019-20. Desarrollo de productos de apoyo a la autonomía de personas en situación de dependencia como intervención docente en los Grados de Ingeniería (Fase II)
Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 5
Amount awarded: 2.000 €
Funding entity: Universidad de La Rioja **Type of entity:** University
Participating entity/entities: Universidad de La Rioja **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2019 - 2020 **Duration:** 1 year
- 8** **Project title:** PDI 20/21. ID2020/013. Mejora en competencias digitales y transversales en los futuros ingenieros mediante píldoras audiovisuales y "lightboard"
City of entity: Bejar, Castile and León, Spain
Type of participation: Principal investigator
Dedication regime: Full time
Time of working relationship: For a limited time
Name of the main researcher: Andres Sanz Garcia
Number of participants: 4
Amount awarded: 350 €
Funding entity: Universidad de Salamanca **Type of entity:** University
Participating entity/entities: Universidad de Salamanca **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2019 - 2020 **Duration:** 1 year
- 9** **Project title:** PID 18/19. ID2018/020. Nuevo recurso "Hands-on Learning" para la Enseñanza-Aprendizaje en Ciencia e Ingeniería de Materiales
City of entity: Bejar, Castile and León, Spain
Type of participation: Principal investigator



Dedication regime: Full time
Time of working relationship: For a limited time
Name of the main researcher: Andres Sanz Garcia
Number of participants: 4
Amount awarded: 350 €
Funding entity: Universidad de Salamanca **Type of entity:** University
Participating entity/entities: Universidad de Salamanca **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 01/12/2018 - 01/07/2019 **Duration:** 8 months

10 **Project title:** APIDUR 2018-19.Desarrollo de productos de apoyo a la autonomía de personas en situación de dependencia como intervención docente en los Grados de Ingeniería
Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 4
Amount awarded: 2.000 €
Funding entity: Universidad de La Rioja **Type of entity:** University
Participating entity/entities: Universidad de La Rioja **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2018 - 2019 **Duration:** 1 year

11 **Project title:** APIDUR 2016-17. Metodología basada en máquinas do-it-yourself y micro-proyectos internacionales para la docencia en los Grados de Ingeniería
Type of participation: Team member
Contribution to the project: Proyecto en curso, no finalizado.
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 6
Amount awarded: 1.800 €
Funding entity: Universidad de La Rioja **Type of entity:** University
Type of call: Competitive
Geographical area: Regional
Start-End date: 2016 - 2017 **Duration:** 1 year

12 **Project title:** APIDUR 2017-18. Estrategias de motivación basadas en PBL, GAMING, SBL y herramientas open-source para la docencia en los Grados de Ingeniería
Type of participation: Team member
Contribution to the project: Proyecto en curso, no finalizado.
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 5
Amount awarded: 1.800 €



Funding entity: Universidad de La Rioja
Type of call: Competitive
Geographical area: Regional
Start-End date: 2016 - 2017

Type of entity: University
Duration: 1 year

13 **Project title:** APIDUR 2015-16. Desarrollo de “micro-proyectos basados en tecnologías emergentes” mediante la colaboración con entidades internacionales dentro de los nuevos grados de ingeniería. 3ª Etapa

Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 7
Amount awarded: 1.800 €
Funding entity: Universidad de La Rioja
Type of call: Competitive
Geographical area: Regional
Start-End date: 2015 - 2016

Type of entity: University
Duration: 1 year

14 **Project title:** APIDUR 2014-15. Desarrollo de “micro-proyectos basados en tecnologías emergentes” mediante la colaboración con entidades internacionales dentro de los nuevos grados de ingeniería. 2ª Etapa

Type of participation: Team member
Dedication regime: Part time
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 5
Amount awarded: 1.600 €
Funding entity: Universidad de La Rioja
Type of call: Competitive
Geographical area: Regional
Start-End date: 2014 - 2015

Type of entity: University
Duration: 1 year

15 **Project title:** APIDUR 2013-14. Desarrollo de “micro-proyectos basados en tecnologías emergentes” mediante la colaboración con entidades internacionales dentro de los nuevos grados de ingeniería

Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Alpha V. Veronica Espinoza
Number of participants: 4
Amount awarded: 1.270 €
Funding entity: Universidad de La Rioja
Type of call: Competitive
Geographical area: Regional
Start-End date: 2013 - 2014

Type of entity: University
Duration: 1 year

16 **Project title:** Desarrollo de la asignatura sistemas de cogeneración utilizando el programa Power Point

Type of participation: Team member
Contribution to the project: Miembro con participación activa en el
Dedication regime: Full time
Time of working relationship: For a limited time
Name of the main researcher: Luis MARIA Lopez Gonzalez
Number of participants: 5
Amount awarded: 0 €

**Funding entity:** Universidad de La Rioja**Type of entity:** University**Participating entity/entities:**

Universidad de La Rioja

Type of entity: University**Type of call:** Non-competitive**Geographical area:** Regional**Start-End date:** 05/09/2009 - 15/06/2010**Duration:** 10 months

Participation in conferences with talks focused on teacher training

1 Name of the event: 26th International Conference on Interactive Collaborative Learning (ICL2023)**Type of event:** Conference**Type of participation:** Participatory - oral communication**Corresponding author:** No**Presentation language:** English**City of event:** Madrid, Community of Madrid, Spain**Date of presentation:** 26/09/2023**Organising entity:** International Society for Engineering Pedagogy **Type of entity:** Sociedad**City organizing entity:** Viena, Austria**Publication type:** Book chapter

Evolution of Technical Projects with Social Commitment in Degrees of Industrial Engineering. 900, pp. 331 - 342. Springer International Publishing, 26/01/2024. ISSN 2367-3370, ISBN 9783031526664

DOI: 10.1007/978-3-031-52667-1_32**2 Name of the event:** 25th International Conference on Interactive Collaborative Learning (ICL2022)**Type of event:** Conference**Type of participation:** Participatory - oral communication**Corresponding author:** No**Presentation language:** English**City of event:** Madrid, Community of Madrid, Spain**Date of presentation:** 26/09/2022**Organising entity:** International Society for Engineering Pedagogy **Type of entity:** Sociedad**City organizing entity:** Viena, Austria**Publication type:** Book chapterWork-in-Progress: Building Up Employability Skills and Social Responsibility in the University of La Rioja Industrial Engineering Degrees. 634, pp. 283 - 290. Springer International Publishing, 26/01/2024. Available on-line at: <https://doi.org/10.1007/978-3-031-26190-9_29>. ISBN 978-3-031-26189-3**DOI:** https://doi.org/10.1007/978-3-031-26190-9_29**3 Name of the event:** Jornada de Innovación Docente de la Universidad de La Rioja**Type of event:** Workshop**City of event:** Logroño, La Rioja, Spain**Date of presentation:** 05/10/2021**Organising entity:** Universidad de La Rioja**Type of entity:** University**City organizing entity:** Logroño, La Rioja, Spain

Fortaleciendo el aprendizaje activo en tiempos de pandemia.



- 4** **Name of the event:** 2021 IEEE Global Engineering Education Conference (EDUCON)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
Aims of the event: Engineering Education for the Future in a Multicultural and Smart World
Presentation language: English
City of event: Viena, Austria
Date of presentation: 21/04/2021
Organising entity: University of Vienna **Type of entity:** University
City organizing entity: Viena, Austria
Publication type: Scientific paper
Active learning methodologies in STEM degrees jeopardized by COVID19. pp. 689 - 695. IEEE, 25/06/2021.
Available on-line at: <<https://ieeexplore.ieee.org/document/9454080>>. ISSN 2165-9567, ISBN 978-1-7281-8478-4
DOI: 10.1109/EDUCON46332.2021.9454080
- 5** **Name of the event:** 2020 IEEE Global Engineering Education Conference (EDUCON)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
Aims of the event: Engineering Education for the Future in a Multicultural and Smart World
City of event: Oporto, Norte, Portugal
Date of presentation: 27/04/2020
Organising entity: University of Coimbra, University of Porto and Polytechnic of Porto, Portugal **Type of entity:** University
City organizing entity: Oporto, Norte, Portugal
Publication type: Scientific paper
Technical projects with social commitment for teaching-learning intervention in STEM students. pp. 579 - 586. IEEE, 25/06/2020. Available on-line at: <<https://ieeexplore.ieee.org/abstract/document/9125176>>. ISSN 2165-9567, ISBN 978-1-7281-0930-5
DOI: 10.1109/EDUCON45650.2020.9125176
- 6** **Name of the event:** HEAD'19. 5th International Conference on Higher Education Advances
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: No
Aims of the event: Innovacion Educativa
Presentation language: English
City of event: Valencia, Valencian Community, Spain
Date of presentation: 27/06/2019
Organising entity: Universitat Politècnica de València **Type of entity:** University
City organizing entity: Universitat Politècnica de València, Valencian Community, Spain
Publication type: Book chapter
Active learning and social commitment projects as a teaching-learning intervention in engineering degrees. Universitat Politècnica de València, Available on-line at: <<https://riunet.upv.es/handle/10251/123881>>. ISBN 9788490486610
DOI: 10.4995/HEAD19.2019.9605
- 7** **Name of the event:** Edulearn 18. 10th International Conference on Education and New Learning Technology
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: No



Aims of the event: Innovación Educativa

Presentation language: English

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of presentation: 03/07/2018

Organising entity: International Academy of Technology, Education and Development (IATED)

Type of entity: Associations and Groups

City organizing entity: Valencia, Valencian Community, Spain

Publication type: Scientific paper

Motivation strategies for engineering degrees combining PBL, SBL and gaming. pp. 2691 - 2701. IATED Academy, ISBN 978-84-09-02709-5

8 Name of the event: Edulearn 18. 10th International Conference on Education and New Learning Technology

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

Corresponding author: No

Aims of the event: Innovación Educativa

Presentation language: English

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of presentation: 02/07/2018

Organising entity: International Academy of Technology, Education and Development (IATED)

Type of entity: Associations and Groups

City organizing entity: Valencia, Valencian Community, Spain

Publication type: Scientific paper

A review of makerspaces for stem degrees and the UR-Maker experience. pp. 2702 - 2711. IATED Academy, ISBN 978-84-09-02709-5

9 Name of the event: HEAd'17 – 3rd International Conference on Higher Education Advances

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

Presentation language: English

City of event: Valencia, Valencian Community, Spain

Date of presentation: 21/06/2017

Organising entity: Universidad Politécnica de Valencia **Type of entity:** University

Publication type: Scientific paper

Assessment of microproject-based teaching/learning (MicroPBL) experience in industrial engineering degrees. pp. 268 - 276. Editorial Universitat Politècnica de València, Available on-line at: <<http://dx.doi.org/10.4995/HEAd16.2016.2731>>. ISBN 978-84-9048-590-3

DOI: dx.doi.org/10.4995/HEAD17.2017.6713

10 Name of the event: HEAd'17 – 3rd International Conference on Higher Education Advances

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

Presentation language: English

City of event: Valencia, Valencian Community, Spain

Date of presentation: 21/06/2017

Organising entity: Universidad Politécnica de Valencia **Type of entity:** University

Publication type: Scientific paper

Makerspaces in Higher Education: the UR-Maker experience at the University of La Rioja. pp. 758 - 765. Editorial Universitat Politècnica de València, Available on-line at: <<http://dx.doi.org/10.4995/HEAd16.2016.2731>>. ISBN 978-84-9048-590-3



DOI: [dx.doi.org/10.4995/HEAD17.2017.6713](https://doi.org/10.4995/HEAD17.2017.6713)

- 11 Name of the event:** HEAd'16 – 2nd International Conference on Higher Education Advances
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
Presentation language: English
City of event: Valencia, Valencian Community, Spain
Date of presentation: 21/06/2016
Organising entity: Universidad Politécnica de Valencia **Type of entity:** University
Publication type: Scientific paper
Methodology based on micro-projects in DIY desktop machines for educational purposes in engineering degrees. Available on-line at: <http://dx.doi.org/10.4995/HEAd16.2016.2731>. ISBN 978-84-9048-475-3
DOI: 10.4995/HEAd16.2016.2731
- 12 Name of the event:** HEAd'15 – 1st International Conference on Higher Education Advances
Type of event: Conference
Type of participation: Participatory - oral communication
Presentation language: English
City of event: Valencia, Valencian Community, Spain
Date of presentation: 24/06/2015
Organising entity: Universidad Politécnica de Valencia **Type of entity:** University
Publication type: Scientific paper
Microproject-based teaching/learning methodology focused on emerging technologies and international entities cooperation. ISBN 978-84-9048-340-4
- 13 Name of the event:** XXII Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (XXII CUIEET)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
Aims of the event: Investigación comparativa entre ambos sistemas
Target group profile: Profesores Universitarios
Presentation language: Spanish
City of event: Alárcos, Spain
Date of presentation: 17/09/2014
Organising entity: Escuela de Ingeniería Minera e Industrial **Type of entity:** University
Publication type: Book chapter
Modelo de Enseñanza-Aprendizaje basado en microproyectos para la asignatura Tecnología de Fabricación. 1, pp. 1796 - 1806. Colección estudios, ISBN 978-84-9044-107-7
- 14 Name of the event:** XXII Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (XXII CUIEET)
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
Aims of the event: Investigación comparativa entre ambos sistemas
Target group profile: Profesores Universitarios
Presentation language: Spanish
City of event: Alárcos, Spain



Date of presentation: 17/09/2014

Organising entity: Escuela de Ingeniería Minera e Industrial

Type of entity: University

Publication type: Book chapter

Bondades y debilidades del Sistema Educativo Universitario Español respecto al Finlandés. 1, pp. 337 - 349. Colección estudios, ISBN 978-84-9044-107-7

15 Name of the event: XXI Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (XXI CUIEET)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

Aims of the event: Desarrollo de los sistemas de gestión actual - implementación del control de las guías docentes - casos prácticos aplicados a la Universidad de La Rioja

Target group profile: Profesores Universitarios

Presentation language: Spanish

City of event: Valencia, Valencian Community, Spain

Date of presentation: 11/07/2013

Organising entity: Escuela Técnica Superior de Ingeniería del Diseño

Type of entity: University Centres and Structures and Associated Bodies

Publication type: Scientific paper

Sistema de gestión basado en formularios web para la actuación y publicación de guías docentes de los títulos de grado, master y doctorado. ISBN 978-84-608-1217-3

16 Name of the event: XXI Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (XXI CUIEET)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

Aims of the event: Análisis de la situación actual - explicación de la coyuntura del modelo universitario - sistema de generación de informes para el seguimiento de grados - caso práctico en la Universidad de La Rioja

Target group profile: Profesores y otros miembros universitarios

Presentation language: Spanish

City of event: Valencia, Valencian Community, Spain

Date of presentation: 10/07/2013

Organising entity: Escuela Técnica Superior de Ingeniería del Diseño

Type of entity: University Centres and Structures and Associated Bodies

Publication type: Scientific paper

Caso aplicado de generación de informes anuales de seguimiento y mejora de los títulos de grado y master en la Universidad de La Rioja. ISBN 978-84-608-1217-3

17 Name of the event: Research in Engineering Education Symposium (REES 2011)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

Aims of the event: Explicar un caso práctico de fusión entre laboratorio e investigación - proporcionar medidas y resultados que expliquen las ventajas de la propuesta - recomendaciones para la implantación en otros casos

Target group profile: Profesores de universidad

Presentation language: English

City of event: Madrid, Community of Madrid, Spain

Date of presentation: 04/10/2011

Organising entity: Universidad Politécnica de Madrid

Type of entity: University

**Publication type:** Scientific paper

A new teaching tool on the European space for higher education: fusion of laboratory and research results. Proceedings of Research in Engineering Education Symposium (REES 2011), pp. 235 - 243. 2011. Available on-line at: <<http://rees2009.pbworks.com/w/file/attach/63149087/REES%202011%20proceedings.pdf>>. ISBN 978-84-695-2615-6

18 Name of the event: III Jornadas sobre innovación docente y adaptación al EEES en las titulaciones técnicas**Type of event:** Workshop**Type of participation:** Participatory - oral communication**Corresponding author:** No**Aims of the event:** Aplicaciones de la segunda lengua (I2) en la enseñanza de grado - caso práctico en ingeniería mecánica - conclusiones sobre el caso práctico enfocado al uso del inglés - recomendaciones**Target group profile:** Profesores de universidad**Presentation language:** Spanish**City of event:** Granada, Andalusia, Spain**Date of presentation:** 26/09/2011**Organising entity:** Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos**Type of entity:** University Centres and Structures and Associated Bodies**Publication type:** Book chapter

La importancia de la segunda lengua y su aplicación en la asignatura "Termodinámica" del grado de ingeniería mecánica en el ámbito del EEES. pp. 146 - 149. Godel Impresores Digitales S.L., Available on-line at: <<http://www.ugr.es/~indotec/documentos/actas11.pdf>>. ISBN 978-84-15418-00-9

19 Name of the event: XIX Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (CUIEET XIX)**Type of event:** Conference**Type of participation:** Participatory - oral communication**Corresponding author:** No**Aims of the event:** Práctica y aplicación sobre adaptación de asignaturas a los nuevos grados. - distribución de créditos y ajustes finales para equilibrar las asignaturas - mediciones y formas de evaluar el buen funcionamiento de la nueva asignatura.**Target group profile:** Profesores y otros miembros universitarios**Presentation language:** Spanish**City of event:** Barcelona, Catalonia, Spain**Date of presentation:** 07/07/2011**Organising entity:** Institut de Ciències de l'Educació**Type of entity:** University**Publication type:** Scientific paper

Una experiencia en la adaptación de la asignatura de ciencia de los materiales en el marco de los nuevos grados de ingeniería. ISBN 978-84-694-4528-0

20 Name of the event: XIX Congreso Universitario de Innovación Educativa en las Enseñanzas Técnicas (CUIEET XIX)**Type of event:** Conference**Type of participation:** Participatory - oral communication**Corresponding author:** No**Aims of the event:** Explicación sobre el SQRF y la información obtenida - aplicación del SQRF a la mejora de la docencia - caso aplicado en enseñanzas técnicas de la Universidad de La Rioja**Target group profile:** Profesores y otros miembros universitarios**Presentation language:** Spanish**City of event:** Barcelona, Catalonia, Spain**Date of presentation:** 06/07/2011**Organising entity:** Institut de Ciències de l'Educació**Type of entity:** University



Publication type: Scientific paper

Diseño de un sistema informático de sugerencias, quejas, reclamaciones y felicitaciones (SQRF) en el marco de la mejora continua de las enseñanzas superiores. ISBN 978-84-694-4528-0

21 Name of the event: XV International Congress on Project Engineering

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

Aims of the event: Explicar las bases del aprendizaje colaborativo. - detallar casos prácticos en el área de proyectos de ingeniería - recomendaciones para el uso conjunto con web 2.0 y redes sociales

Target group profile: Profesores de universidad

Presentation language: Spanish

City of event: Huesca, Aragon, Spain

Date of presentation: 06/07/2011

Organising entity: AEIPRO

Type of entity: Associations and Groups

Publication type: Scientific paper

Las redes sociales como herramientas para el aprendizaje colaborativo en proyectos de ingeniería en el espacio europeo de educación superior. Proceedings of the XV International Congress on Project Engineering, 2011. ISBN 978-84-615-4542-1

22 Name of the event: XIV International Congress on Project Engineering

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

Aims of the event: Explicación del espacio europeo de educación superior - integración de técnicas propias de ingenieros en la enseñanza según el EEES - integración de asignaturas con contenidos comunes dentro del nuevo EEES

Target group profile: Profesores de universidad

Presentation language: Spanish

City of event: Madrid, Community of Madrid, Spain

Date of presentation: 28/06/2010

Organising entity: AEIPRO

Type of entity: Associations and Groups

Publication type: Scientific paper

Aplicación práctica de metodologías didácticas de trabajo en grupo en ingeniería industrial dentro del espacio europeo de educación superior. Proceedings of the XIV International Congress on Project Engineering, 2010. ISBN 978-84-614-2608-9

Awards received for innovation in the field teaching

1 Name of the prize: Premio Innovación Docente 14ª Edición del Consejo Social de la Universidad de La Rioja

Awarding entity: Consejo Social de la Universidad de La Rioja **Type of entity:** Foundation

City awarding entity: Logroño, La Rioja, Spain

Conferral date: 21/02/2022

2 Name of the prize: Nomination for the Best Award of HEAd'19

Awarding entity: Fifth International Conference on Higher Education Advances (HEAd'19) **Type of entity:** University

City awarding entity: Valencia, Valencian Community, Spain

Proposed by: Comité

Conferral date: 28/05/2019



- 3 Name of the prize:** Premio Innovación Docente 11ª Edición del Consejo Social de la Universidad de La Rioja
Awarding entity: Consejo Social de la Universidad de La Rioja **Type of entity:** Foundation
City awarding entity: Logroño, La Rioja, Spain
Conferral date: 22/02/2019

Other activities/achievements not included above

- 1 Description of the activity:** Miembro Comisión Plazas Profesor Contratado Doctor (2 plazas)
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 28/11/2022
- 2 Description of the activity:** Comisión: Proyectos_Ingeniería. Convocatorias Evaluación para Bolsas de Trabajo
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 27/10/2022
- 3 Description of the activity:** Miembro de tribunal de trabajos fin de grado: Mecánica 2019.20
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 17/09/2020
- 4 Description of the activity:** Miembro de tribunal de trabajos fin de master: Ing. Industrial 2019.20
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 25/06/2020
- 5 Description of the activity:** Miembro de tribunal de trabajos fin de grado: Mecánica 2019.20
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 20/05/2020
- 6 Description of the activity:** Jornada de Puertas Abiertas en la ETSII de Béjar del curso 2020-2021 (COVID)
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 16/03/2020
- 7 Description of the activity:** Miembro de tribunal de trabajos fin de grado: Mecánica 2018.19
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 18/03/2019
- 8 Description of the activity:** Experto revisor internacional de tesis. Programa de Doctorado en Física
Organising entity: Universidad Complutense de Madrid **Type of entity:** University
End date: 09/03/2018
- 9 Description of the activity:** Miembro de tribunal proyectos finales de carrera Curso 2011.12
Organising entity: Universidad de La Rioja **Type of entity:** University
End date: 06/03/2012
- 10 Description of the activity:** Docente en Curso sobre minería de datos
Organising entity: Centro Nacional de Formación en Nuevas Tecnologías **Type of entity:** Innovation and Technology Centres
End date: 12/2011



- 11 Description of the activity:** Titulo de especialista en docencia universitaria. (20 ECTS)
Organising entity: Universidad de La Rioja **Type of entity:** University
End date: 26/07/2011
- 12 Description of the activity:** Diploma de acreditación docente universitaria. (6 ECTS)
Organising entity: Universidad de La Rioja **Type of entity:** University
End date: 07/02/2011
- 13 Description of the activity:** Vocal de la Comisión de Docencia del Grado de la ETSII de Bejar (desde el curso 2020/2021)
Organising entity: Universidad de Salamanca **Type of entity:** University

Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** Avances en Salud Oral
Aims of the group: Investigación en biomateriales e implantables
Name of principal investigator: Javier Montero Martín **Number of members in the group:** 20
Type of collaboration: Co-authorship of projects and their development
City of group: Salamanca, Castile and León, Spain
Affiliation entity: Universidad de Salamanca **Type of entity:** University
Number of directed thesis: 5 **Number of directed postdoc:** 3
Start date: 01/04/2023
- 2 Name of the group:** Ingeniería de Diseño y Fabricación (I-DEA)
Aims of the group: Investigación en simulación numérica
Name of principal investigator: Raúl Muñoz Sánchez **Number of members in the group:** 7
Type of collaboration: Co-authorship of projects and their development
City of group: Salamanca, Castile and León, Spain
Affiliation entity: Universidad de Salamanca **Type of entity:** University
Number of directed thesis: 1 **Number of directed postdoc:** 0
Start date: 01/01/2021
- 3 Name of the group:** Laboratory of mechanical engineering applied to design, manufacturing and applications of composite materials (LAMCOM)
Aims of the group: Investigación en manufactura aditiva
Name of principal investigator: Roberto Guzmán de Villoria Lebedziejewski **Number of members in the group:** 8
Type of collaboration: Co-authorship of projects and their development
City of group: Salamanca, Castile and León, Spain
Affiliation entity: Universidad de Salamanca **Type of entity:** University
Number of directed thesis: 2 **Number of directed postdoc:** 1
Start date: 01/06/2020
- 4 Name of the group:** BTELAB. Biotechnology and Tissue Engineering Laboratory
Aims of the group: Investigación en Ingeniería de Tejidos
Name of principal investigator: Carmen Escobedo Lucea **Number of members in the group:** 12



Type of collaboration: Co-authorship of projects and their development

City of group: Valencia, Valencian Community, Spain

Affiliation entity: Fundacion de Investigacion Hospital General Universitario de Valencia

Start date: 01/01/2020

Type of entity: Foundation

Duration: 2 years

5 Name of the group: Medicina Molecular IBSAL

Aims of the group: Investigación Biomédica

Name of principal investigator: Rogelio Gonzalez Sarmiento

Number of members in the group: 10

Type of collaboration: Co-authorship of projects and their development

City of group: Salamanca, Castile and León, Spain

Affiliation entity: Instituto de Investigación Biomédica de Salamanca

Type of entity: Healthcare Institutions

Number of directed thesis: 3

Number of directed postdoc: 2

Start date: 07/03/2019

6 Name of the group: Laser Applications and Photonics (ALF)

Aims of the group: Laser de pulsos ultra cortos.

Name of principal investigator: Luis Plaja Rustein

Number of members in the group: 17

Type of collaboration: Co-authorship of projects and their development

City of group: Salamanca, Castile and León, Spain

Affiliation entity: Universidad de Salamanca

Type of entity: University

Number of directed thesis: 6

Number of directed postdoc: 5

Start date: 01/10/2018

7 Name of the group: Tissue Engineering Lab

Aims of the group: Ingeniería de tejidos e impresión 3D

Name of principal investigator: Carmen Escobedo Lucea

Number of members in the group: 4

Type of collaboration: Co-authorship of projects and their development

City of group: Helsinki, Etelä-Suomi, Finland

Affiliation entity: University of Helsinki

Type of entity: University

Number of directed thesis: 3

Number of directed postdoc: 2

Start date: 01/09/2013

Duration: 5 years

8 Name of the group: TELEVITIS Data-driven Viticulture

Aims of the group: Aplicacion de nuevas tecnologias y sensores al viñedo

Name of principal investigator: Javier Tardaguila

Number of members in the group: 6

Type of collaboration: Co-authorship of publications

City of group: Logroño, La Rioja, Spain

Affiliation entity: Universidad de La Rioja

Type of entity: University

Start date: 01/03/2013

Duration: 12 months

9 Name of the group: EDMANS (Engineering Data Mining and Numerical Simulations)

Aims of the group: Simulacion Numerica y Minería de Datos en Industria y Proyectos

Name of principal investigator: Francisco Javier Martinez de Pisón Ascacíbar

Number of members in the group: 9

Type of collaboration: Co-authorship of publications

City of group: Logroño, La Rioja, Spain

Affiliation entity: Universidad de La Rioja

Type of entity: University



Start date: 01/01/2010

Duration: 4 years

Scientific or technological activities**R&D projects funded through competitive calls of public or private entities****1 Name of the project:** Aplicaciones de haces láser modelados y diagnósticos de óptica ultrarrápida**Type of project:** Demonstration, pilot projects, conceptual formulations and design of processes and services**Geographical area:** Regional**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Salamanca**Type of entity:** University**City of entity:** Salamanca, Castile and León, Spain**Name principal investigator (PI, Co-PI....):** Iñigo Sola Larrañaga**Nº of researchers:** 10**Nª people/year:** 10**Funding entity or bodies:**

Junta de Castilla y León

Type of entity: FEDER**Type of participation:** Team member**Name of the programme:** Ayudas a la Investigación Junta de Castilla y Leon - FEDER 2024**Code according to the funding entity:** SA108P24**Start-End date:** 30/08/2024 - 01/09/2027**Duration:** 3 years**Total amount:** 180.000 €**Dedication regime:** Full time**2 Name of the project:** Óptica ultrarrápida aplicada a espectroscopía avanzada**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Salamanca**Type of entity:** University**City of entity:** Salamanca, Castile and León, Spain**Name principal investigator (PI, Co-PI....):** Javier Rodriguez Vazquez de Aldana; Benjamín Alonso Fernandez**Nº of researchers:** 15**Funding entity or bodies:**

Ministerio de Ciencia e Innovación. Universidades

Type of entity: Ministerio**Type of participation:** Team member**Name of the programme:** Proyectos de I+D+i - PGC Tipo B**Code according to the funding entity:** PID2023-150637OB-I00**Start-End date:** 01/09/2024 - 31/08/2027**Duration:** 3 years**Total amount:** 180.000 €**Dedication regime:** Full time**3 Name of the project:** Programa para el apoyo a personas investigadoras con talento**Entity where project took place:** Fundación de Investigación Hospital General Universitario de Valencia**Type of entity:** Foundation**Name principal investigator (PI, Co-PI....):** Andres Sanz Garcia

**Nº of researchers:** 5**Funding entity or bodies:**

Generalitat Valenciana Conselleria de Sanidad

Type of entity: State agency**Code according to the funding entity:** CDEI-02/20-A**Start-End date:** 12/02/2020 - 31/12/2026**Total amount:** 400.000 €**4 Name of the project:** Unidad de Servicios Avanzados de Impresión 3D y Biobanco orientada al sector Salud**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Fundación de Investigación Hospital General Universitario de Valencia**Type of entity:** Foundation**Name principal investigator (PI, Co-PI....):** Carmen Escobedo Lucea**Nº of researchers:** 23**Funding entity or bodies:**

Instituto de Salud Carlos III

Type of entity: Public Research Body**Type of participation:** Team member**Name of the programme:** Plataforma Biomodelos y Biobancos del ISCIII de apoyo a la I+D+i en Biomedicina y Ciencias de la Salud**Code according to the funding entity:** PT23/00147**Start-End date:** 21/11/2023 - 21/11/2026**Duration:** 3 years**Total amount:** 414.120 €**5 Name of the project:** ATiLA: Estudio y desarrollo de un proceso de fabricación aditiva de alta protección basado en la deposición directa de metal por hilo mediante multi laser (LWMD) para el procesado de materiales de alta reactividad. Aplicación a implantes en Ti64-ELI**Type of project:** Industrial research**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Salamanca**Type of entity:** University**City of entity:** Salamanca, Castile and León, Spain**Name principal investigator (PI, Co-PI....):** Andres Sanz Garcia; Javier Rodriguez Vazquez de Aldana; Pablo Moreno Pedraz**Nº of researchers:** 4**Funding entity or bodies:**

Ministerio de Ciencia e Innovación. Universidades

Type of entity: Ministerio**Type of participation:** Principal investigator**Name of the programme:** Proyectos en Lineas Estreategicas del plan estatal de investigación científica, técnica y de innovación 2021- 2023**Code according to the funding entity:** PLEC2022-009392**Start-End date:** 08/10/2022 - 31/12/2025**Duration:** 3 years**Total amount:** 1.002.062,27 €**Dedication regime:** Full time**6 Name of the project:** Prototipo para la rehabilitación del control del tronco en afecciones neuromusculares**Entity where project took place:** Universidad de Salamanca**Type of entity:** University**City of entity:** Béjar - Salamanca, Castile and León, Spain**Name principal investigator (PI, Co-PI....):** Andres Sanz Garcia

**Nº of researchers:** 5**Funding entity or bodies:**

Junta de Castilla y León

Type of entity: Gobierno local**Name of the programme:** Pruebas de Concepto y protección de resultados de la Universidad de Salamanca**Code according to the funding entity:** PC_TCUE23-24_051**Start-End date:** 02/02/2024 - 31/12/2024**Duration:** 10 months**Total amount:** 9.000 €**7 Name of the project:** INSERTER: Sistema de Impresión 3D con cabezal SumERgido para TEmoplásticos Reciclados y cero residuos**Entity where project took place:** Universidad de Salamanca **Type of entity:** University**Name principal investigator (PI, Co-PI...):** Andres Sanz Garcia**Nº of researchers:** 6**Funding entity or bodies:**

Junta de Castilla y León

Type of entity: Gobierno**Name of the programme:** Pruebas de Concepto y protección de resultados de la Universidad de Salamanca**Code according to the funding entity:** PC_TCUE23-24_072)**Start-End date:** 06/02/2024 - 31/10/2024**Total amount:** 9.000 €**8 Name of the project:** Optica Ultrarrapida avanzada y fotónica integrada para aplicaciones biomédicas y órganos en chip (AUTOGRAPH)**Type of project:** Basic research (including archaeological digs, etc) **Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Salamanca **Type of entity:** University**City of entity:** Salamanca, Castile and León, Spain**Name principal investigator (PI, Co-PI...):** Javier Rodriguez Vazquez de Aldana; Iñigo Sola Larrañaga**Nº of researchers:** 16**Funding entity or bodies:**Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Ministerio**Type of participation:** Team member**Name of the programme:** Proyectos de I+D+i - PGC Tipo B**Code according to the funding entity:** PID2020-1198GB-I00**Start-End date:** 01/09/2021 - 31/08/2024**Duration:** 3 years**Total amount:** 157.300 €**Dedication regime:** Full time**9 Name of the project:** Caracterización de polímeros y simulación de procesos de extrusión orientado a la implantación de la Industria 4.0 en La Rioja**Geographical area:** Regional**Degree of contribution:** Researcher**Entity where project took place:** Universidad de La Rioja **Type of entity:** University**City of entity:** Logroño, La Rioja, Spain**Name principal investigator (PI, Co-PI...):** Andres Sanz Garcia



Nº of researchers: 1

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA RIOJA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2023 - 24

Start-End date: 03/08/2023 - 03/08/2024

Duration: 1 year

Total amount: 2.809,1 €

10 Name of the project: BIOEVOOC - Plataforma biomimética organ-on-chip de piel vascularizada mediante exosomas

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Fundacion Investigacion Hospital General Universitario de Valencia

Type of entity: Foundation

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Carmen Escobedo Lucea

Nº of researchers: 6

Funding entity or bodies:

Generalitat Valenciana

Type of entity: Gobierno

Type of participation: Team member

Name of the programme: Ayudas a grupos consolidados.

Code according to the funding entity: AICO/2021/100

Start-End date: 01/05/2021 - 01/05/2024

Duration: 3 years

Total amount: 90.000 €

11 Name of the project: Impresión 3D de cabezal de pellets fundidos para dinamizar la industria del calzado riojana

Geographical area: Regional

Degree of contribution: Researcher

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

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): F. Javier Martinez de Pison Ascacibar; Andres Sanz Garcia

Nº of researchers: 2

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA RIOJA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2022 - 23

Start-End date: 08/09/2022 - 01/11/2023

Total amount: 1.679 €

12 Name of the project: Nuevas aplicaciones de la fotónica ultrarrápida en el campo de la fecundación in vitro (FIV): Lab-on-a-chip y monitorización no invasiva (NIM-UPHOT)

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Geographical area: Regional



Degree of contribution: Researcher

Entity where project took place: Universidad de Salamanca

Type of entity: University

City of entity: Salamanca, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Javier Rodriguez Vazquez de Aldana

Nº of researchers: 8

Nª people/year: 9

Funding entity or bodies:

Junta de Castilla y León

Type of entity: FEDER

Type of participation: Team member

Name of the programme: Ayudas a la Investigación Junta de Castilla y Leon - FEDER 2020

Code according to the funding entity: SA136P20

Start-End date: 01/11/2020 - 31/10/2023

Duration: 3 years

Total amount: 264.000 €

Dedication regime: Full time

13 Name of the project: Procesamiento y creación por impresión 3D de modelos anatómicos realistas para el estudio y planificación quirúrgica con nuevos materiales (REALISTIC - INNEST/2021/70)

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Fundacion de la comunidad valenciana hospital general universitario FIHGUV

Type of entity: Public Research Body

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Carmen Escobedo Lucea

Nº of researchers: 8

Nª people/year: 8

Funding entity or bodies:

Agencia valenciana de la innovación

Type of entity: State agency

City funding entity: Valencia, Valencian Community, Spain

Type of participation: Team member

Name of the programme: Proyectos estrategicos en cooperación de la AVI

Code according to the funding entity: INNEST/2021/70

Start-End date: 01/10/2021 - 31/07/2023

Duration: 2 years - 6 months

Total amount: 560.000 €

14 Name of the project: SUNROOF: Sistema aUtóNomo de ROBot andador para limpieza de paneles Fotovoltaicos

Degree of contribution: Researcher

Entity where project took place: Universidad de Salamanca

Type of entity: University

City of entity: Béjar - Salamanca, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 6

Funding entity or bodies:

Junta de Castilla y León

Type of entity: Estatal

Type of participation: Principal investigator

Name of the programme: PLAN TCUE 2021-2023

Code according to the funding entity: PC_TCUE21- 23_047

Start-End date: 13/07/2022 - 30/06/2023

Duration: 1 year



Total amount: 9.000 €

- 15 Name of the project:** Estudio ultraestructural y molecular del tejido capsular cicatricial formado en respuesta a distintos tipos de implantes mamarios con el fin de evaluar su peligrosidad y contribuir a la toma de decisiones

Entity where project took place: Fundación de Investigación Hospital General Universitario de Valencia **Type of entity:** Foundation

Name principal investigator (PI, Co-PI....): Carmen Escobedo

Nº of researchers: 5

Funding entity or bodies:

Generalitat Valenciana

Type of entity: Gobierno

Name of the programme: Ayudas a proyectos de transferencia de investigación e innovación al tejido productivo

Code according to the funding entity: APOTIP/2021/026

Start-End date: 01/07/2021 - 30/06/2023

Total amount: 36.000 €

- 16 Name of the project:** Sistema industrial flexible de micro-FABricación basado en la combinación de ELECTroescritura e impresión 3D de pellets de biopolímeros (FABELEC3D)

Degree of contribution: Researcher

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

City of entity: Béjar - Salamanca, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 6

Funding entity or bodies:

Junta de Castilla y León

Type of entity: estatal

Type of participation: Principal investigator

Name of the programme: PLAN TCUE 2021-2023

Code according to the funding entity: PC_TCUE21- 23_036

Start-End date: 26/04/2022 - 26/04/2023

Duration: 1 year

Total amount: 10.000 €

- 17 Name of the project:** Sistema integral de BIOimpresión 3D Multi- material de Alta Precisión para ingeniería de tejidos humanos combinando tecnologías DLP-LCD (BIOMAP)

Degree of contribution: Researcher

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

City of entity: Béjar - Salamanca, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 6

Funding entity or bodies:

Junta de Castilla y León

Type of entity: estatal

Type of participation: Principal investigator

Name of the programme: PLAN TCUE 2018-2020

Code according to the funding entity: PC_TCUE18- 20P_034

Start-End date: 21/04/2021 - 21/04/2022

Duration: 9 months

Total amount: 9.000 €



- 18** **Name of the project:** Potencial y casos practicos de la tecnología organ-on-a-chip (OOC) dentro del tejido industrial y sistema de salud riojanos
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI....): F. Javier Martinez de Pison Ascacibar; Andres Sanz Garcia
Nº of researchers: 2
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2020
Start-End date: 01/12/2020 - 31/05/2021
Total amount: 1.810,88 €
- 19** **Name of the project:** Mejora en sistemas microfluídicos impresos en 3D para órganos en chip mediante láseres pulsados de nano y femtosegundos
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Scientific coordinator
Entity where project took place: Universidad de Salamanca **Type of entity:** University
City of entity: Béjar, Castile and León, Spain
Name principal investigator (PI, Co-PI....): Andres Sanz Garcia
Nª people/year: 4
Funding entity or bodies: Fundación Memoria de D. Samuel Solórzano Barruso **Type of entity:** Foundation
City funding entity: Salamanca, Castile and León, Spain
Type of participation: Co-ordinator
Name of the programme: Ayudas a la Investigación Fundación Memoria de D. Samuel Solórzano Barruso. Convocatoria 2018
Code according to the funding entity: FS/19-2018
Start-End date: 18/12/2018 - 30/09/2020 **Duration:** 2 years
Sub-project amount: 2.119 €
Percentage as grant: 100
Dedication regime: Full time
- 20** **Name of the project:** Bioimpresion 3D: evaluacion de los casos practicos en el entorno riojano
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI....): F. Javier Martinez de Pison Ascacibar; Andres Sanz Garcia
Nº of researchers: 2
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain



Type of participation: Principal investigator

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2019

Start-End date: 01/06/2019 - 31/05/2020

Total amount: 2.714 €

21 Name of the project: Design and development of human artificial skin using innovative technologies. Follow up of 266486.

Type of project: Research and development, including transfer

Geographical area: Internacional

Degree of contribution: Researcher

Entity where project took place: University of Helsinki

Type of entity: University

City of entity: Helsinki, Etelä-Suomi, Finland

Name principal investigator (PI, Co-PI....): Carmen Escobedo Lucea

Nº of researchers: 7

Funding entity or bodies:

Academy of Finland/ Suomen Akatemia

Type of entity: Public Research Body

City funding entity: Helsinki, Etelä-Suomi, Finland

Type of participation: Team member

Start-End date: 01/09/2016 - 31/08/2019

Duration: 2 years

Total amount: 219.056 €

22 Name of the project: Prototipos E.T.S. de Ingeniería Industrial de Bejar

Entity where project took place: ETS de Ingenieria de Bejar

Type of entity: University

City of entity: Bejar, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia; Miguel Angel Lorenzo Fernandez

Nº of researchers: 2

Funding entity or bodies:

Universidad de Salamanca

Type of entity: University

City funding entity: Salamanca, Castile and León, Spain

Start-End date: 18/10/2018 - 01/06/2019

Total amount: 750 €

23 Name of the project: Estudio del potencial fotovoltaico utilizando observaciones de redes radiometricas y estimaciones a partir de imagenes de satelite

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Universidad de La Rioja

Type of entity: University

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): Ruben Urraca Valle; Andres Sanz Garcia

Nº of researchers: 2

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA RIOJA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2018

Start-End date: 01/06/2018 - 31/05/2019

Total amount: 2.071 €

- 24** **Name of the project:** Nuevas oportunidades del modelado 3D por deposición fundida (MDF) en biomedicina dentro del sistema público de salud riojano
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI...): Alpha V. Pernia Espinoza; Andres Sanz Garcia
Nº of researchers: 2
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2017
Start-End date: 01/06/2017 - 31/05/2018
Total amount: 2.377 €
- 25** **Name of the project:** Estudio del potencial de inclusión de la tecnología 4D en el sector industrial riojano
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Nº of researchers: 2
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2016
Start-End date: 01/06/2016 - 31/05/2017
Total amount: 2.100 €
- 26** **Name of the project:** VINEROBOT (FP7-ICT-2013-10) - Robotics use cases & Accompanying measures
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI...): Javier Tardaguila; Enrico Faenzi; Esther Campos Gomez; Christophe Millot; Mathias Scheidweiler; Sebastien Labails; Francisco Rovira Mas; Jose Blasco
Funding entity or bodies: European Commission **Type of entity:** EU organismo
Start-End date: 01/12/2013 - 30/11/2016
Total amount: 2.090.000 €
- 27** **Name of the project:** Estudio del potencial de la manufactura aditiva por impresión 3D en sectores productivos, servicios y turismo en La Rioja
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Rioja



City of entity: Logroño, La Rioja, Spain

Nº of researchers: 2

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA RIOJA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2015

Start-End date: 01/06/2015 - 31/05/2016

Total amount: 2.044 €

28 Name of the project: VASCular-bed based perfusion BIOreactor for in-vitro EXPeriments (VASC BIOEXP)

Entity where project took place: Institute of Adv. Biomedical Engineering and Science

City of entity: Tokyo, Japan

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 1

Funding entity or bodies:

Academy of Finland

Type of entity: State agency

City funding entity: Helsinki, Etelä-Suomi, Finland

Start-End date: 01/06/2015 - 30/11/2015

Total amount: 10.200 €

29 Name of the project: Clasificación de variedades de Rioja por Espectroscopia NIR mediante selección de frecuencias (CVRENIR)

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

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 1

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA RIOJA

City funding entity: Spain

Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2014

Start-End date: 01/06/2014 - 31/05/2015

Total amount: 1.550 €

30 Name of the project: Vascularization of Artificial Tissues using Rapid Prototyping (VATURP)

Entity where project took place: Institute of Adv. Biomedical Engineering and Science

City of entity: Tokyo, Japan

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 1

Funding entity or bodies:

Academy of Finland

Type of entity: State agency

City funding entity: Helsinki, Etelä-Suomi, Finland

Start-End date: 01/06/2014 - 31/05/2015

Total amount: 20.400 €



- 31 Name of the project:** Discriminación de variedades de uva basado en imágenes hiperespectrales en La Rioja mediante técnicas de minería de datos e inteligencia artificial
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Nº of researchers: 1
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain
Name of the programme: Ayudas para Estudios Científicos de Temática Riojana 2013
Start-End date: 01/06/2013 - 31/05/2014
Total amount: 1.700 €
- 32 Name of the project:** Mecanismos de producción bacteriocinas por bacterias lácticas del vino y de la resistencia bacteriana, estudio transcriptómico (AGL2010-15466)
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI....): Fernanda Larrea
Nº of researchers: 7
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2011 - 31/12/2013
Total amount: 107.690 €
Applicant's contribution: ANALISIS DE MINERIA DE DATOS Y ESTADISTICA APLICADA A ENSAYOS DE MUESTRAS BIOLÓGICAS
- 33 Name of the project:** Modelización del proceso de maduración de la uva mediante sensores inalámbricos e inteligencia artificial
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Nº of researchers: 6
Funding entity or bodies: COMUNIDAD AUTONOMA DE LA RIOJA
City funding entity: Spain
Start-End date: 01/01/2011 - 30/11/2013
Total amount: 34.734,62 €
Applicant's contribution: Desarrollo de modelos predictivos y minería de datos de los datos obtenidos de los sensores instalados en campo. Optimización de los tiempos de procesamiento y mejora de la transferencia de conocimiento final.
- 34 Name of the project:** Application of nonlinear modeling and SC techniques to steelmaking processes and steel structures. Second phase.
Entity where project took place: Universidad de La Rioja **Type of entity:** University
City of entity: Logroño, La Rioja, Spain
Name principal investigator (PI, Co-PI....): Andres Sanz Garcia
Nº of researchers: 1
Funding entity or bodies:



BANCO SANTANDER, S.A.

City funding entity: Spain

Start-End date: 30/05/2012 - 31/03/2013

Total amount: 350 €

- 35 Name of the project:** Application of nonlinear modelling and SC techniques to steelmaking processes and steel structures.

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

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): Andres Sanz Garcia

Nº of researchers: 1

Funding entity or bodies:

BANCO SANTANDER, S.A.

City funding entity: Spain

Start-End date: 27/04/2011 - 30/04/2012

Total amount: 350 €

- 36 Name of the project:** Búsqueda automática de conocimiento oculto en series temporales de procesos industriales (CONOSER)

Type of project: Industrial research

Geographical area: National

Degree of contribution: Current university student

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

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): F. Javier Martinez de Pison Ascacibar

Nº of researchers: 4

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Colaborador investigador

Name of the programme: Diseño y Producción Industrial

Code according to the funding entity: DPI2006-03060

Start-End date: 01/10/2006 - 30/09/2009

Total amount: 54.450 €

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

- 1 Name of the project:** ENCLAVE-2023 - Cursos de formación para sanitarios enfocada en la digitalización de modelos CAD para su tratamiento digital y fabricación

Degree of contribution: Scientific coordinator

Name principal investigator (PI, Co-PI....): Armando Gonzalez Muñoz; Andres Sanz Garcia

Nº of researchers: 2

Funding entity or bodies:

ENCLAVE FORMACIÓN S.L.U.

Type of entity: Business

Start date: 17/11/2023

Duration: 7 days

Total amount: 1.575 €



- 2** **Name of the project:** SALMANTINAS-YUSTE-2023 - Diseño y Fabricación de acoplamiento de filtro respiratorio para máscara de seguridad
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Armando Gonzalez Muñoz; Andres Sanz Garcia
Nº of researchers: 2
Funding entity or bodies:
DISTRIBUCIONES COMERCIALES SALMANTINAS **Type of entity:** Business
YUSTE S.L.
Start date: 18/07/2023 **Duration:** 7 days
Total amount: 220 €
- 3** **Name of the project:** FIB02142 - Estudios de las distintas formulaciones cosméticas para protección frente al melanoma
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Alejandro Lopez; Andrea Sanchez; Sara Mirabet; Andrea Martinez; Andres Sanz; Carmen Escobedo
Nº of researchers: 6
Funding entity or bodies:
AIMPLAS Instituto Tecnológico del Plástico **Type of entity:** Innovation and Technology Centres
Start date: 22/06/2022 **Duration:** 3 months
Total amount: 9.000 €
- 4** **Name of the project:** BIOM-VIVERO2021 - Sistema integral de BIOimpresión 3D Multi-material de tecnología DLP-LCD
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Andres Sanz Garcia
Nº of researchers: 1
Funding entity or bodies:
Consejería de Educación de la Junta de Castilla y León **Type of entity:** State agency
Start date: 28/04/2022 **Duration:** 6 months
Total amount: 6.000 €
- 5** **Name of the project:** EMILIO2020 - Diagnóstico y Plan de Comercialización para la empresa "EMILIO MUÑOZ BEJAR, S.L."
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Armando Gonzalez; Andres Sanz Garcia
Nº of researchers: 2
Funding entity or bodies:
Junta de Castilla y León **Type of entity:** Gobierno Regional
Start date: 09/03/2021 **Duration:** 1 year - 7 months
Total amount: 1.000 €
- 6** **Name of the project:** OTEM111205 - Optimización de los parámetros del proceso de enderezamiento de carriles (OPEC)
Degree of contribution: Researcher
Nº of researchers: 7
Funding entity or bodies:
Arcelor Mital SSC España **Type of entity:** Business
City funding entity: Lesaka, Foral Community of Navarre, Spain



Start date: 05/12/2012
Total amount: 39.567 €

Duration: 12 months

7 Name of the project: Exploring the optimization of multivariate models with exogenous attributes for time series.

Degree of contribution: Researcher

N° of researchers: 1

Funding entity or bodies:

Universidad de La Rioja

Type of entity: University

City funding entity: Logroño, La Rioja, Spain

BANCO SANTANDER, S.A.

City funding entity: Spain

Start date: 01/06/2012

Duration: 6 months

Total amount: 5.400 €

8 Name of the project: OTEM120514 - Desarrollo modelo de enderezamiento por elementos finitos y optimización del proceso (CONTENCA)

Type of project: Industrial research

Degree of contribution: Researcher

N° of researchers: 7

Funding entity or bodies:

ArcelorMittal ESPAÑA S.A.

Type of entity: Business

City funding entity: Gozón, Principality of Asturias, Spain

Start date: 12/05/2012

Duration: 12 months

Total amount: 39.567 €

Relevant results: Implementacion de tecnicas de inteligencia artificial para la optimizacion del proceso de modelizado y de ajuste final de un modelo de simulacion de enderezado de perfiles bajo cargas de tipo termo-mecanico.

9 Name of the project: OTEM120402 - Investigación de las propiedades mecánicas de los tableros de contrachapado de madera de chopo, okume e híbridos usando las normas UNE-EN 789 y UNE-EN 14272

Degree of contribution: Scientific coordinator

N° of researchers: 5

Funding entity or bodies:

Grupo Garnica Plywood

Type of entity: Business

City funding entity: Logroño, La Rioja, Spain

Start date: 02/04/2012

Duration: 5 months

Total amount: 3.000 €

10 Name of the project: DM for industrial applications. "Predictive modeling based on parsimonious criterion"

Degree of contribution: Researcher

N° of researchers: 1

Funding entity or bodies:

Universidad de La Rioja

Type of entity: University

City funding entity: Logroño, La Rioja, Spain

BANCO SANTANDER, S.A.

City funding entity: Spain

Start date: 01/06/2011

Duration: 3 months



Total amount: 5.300 €

11 Name of the project: REVENUE-OTEM110513 Revenue Management System (RMS)

Degree of contribution: Researcher

Nº of researchers: 7

Funding entity or bodies:

HOTEL OPTIMIZER - ANGESTUR CONSULTORES **Type of entity:** Business
E INNOVACION S.L.

City funding entity: Logroño, La Rioja, Spain

Start date: 12/05/2011

Duration: 24 months

Total amount: 58.800 €

Results

Industrial and intellectual property

Title registered industrial property: Sistema y procedimiento para determinar automáticamente el número de flores de una inflorescencia

Type of industrial property: Patent of invention

Author's rights: Yes

Related rights: No

Trade secret: No

Know-how: No

Inventors/authors/obtainers: Sergio Garcia Cubero; Andres Sanz Garcia; Borja Millan Prior; Manuel Javier Tardaguila Laso; Maria Paz Diago Santamaria

Entity holder of rights: Universidad de La Rioja

Reference/registry code: ES 2 470 065 A1 – 2014 **Nº of application:** 201400006

Country of inscription: Spain, La Rioja

Date of register: 18/12/2013

Conferral date: 03/10/2014

Nº of patent: ES-2470065_B2

Spanish patent: Yes

EU patent: No

International non-EU patent: No

PCT patent: No



Scientific and technological activities

Scientific production

- 1** **H index:** 18
Date of application: 04/02/2023
Source of H-Index: WOS
- 2** **H index:** 20
Date of application: 04/11/2023
Source of H-Index: GOOGLE SCHOLAR
- 3** **H index:** 20
Date of application: 04/11/2023
Source of H-Index: SCOPUS

Publications, scientific and technical documents

- 1** Andres Sanz-Garcia; Enrique Sodupe-Ortega; Alpha Pernía-Espinoza; Tatsuya Shimizu; Carmen Escobedo-Lucea. A Versatile Open-Source Printhead for Low-Cost 3D Microextrusion-Based Bioprinting. *Polymers*. 12 - 10, pp. 1 - 18. 13/10/2020. Available on-line at: <<https://www.mdpi.com/2073-4360/12/10/2346>>. ISSN 2073-4360
DOI: 10.3390/polym12102346
Type of production: Scientific paper
Format: Journal
Corresponding author: No
Impact source: ISI
Category: POLYMER SCIENCE -- SCIE
Impact index in year of publication: 3.426
Journal in the top 25%: Yes
Position of publication: 16
No. of journals in the cat.: 89
Source of citations: WOS
Citations: 9
Relevant publication: Yes
- 2** Enrique Sodupe Ortega; Andres Sanz Garcia; Alpha Pernia Espinoza; Carmen Escobedo Lucea. Efficient Fabrication of Polycaprolactone Scaffolds for Printing Hybrid Tissue-Engineered Constructs. *Materials*. 12 - 4, pp. 1 - 19. MDPI, 18/02/2019. Available on-line at: <<http://www.mdpi.com/1996-1944/12/4/613>>. ISSN 1996-1944
DOI: 10.3390/ma12040613
PMID: 30781670
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
Corresponding author: Yes
Impact source: ISI
Category: MATERIALS SCIENCE, MULTIDISCIPLINARY
Impact index in year of publication: 3.057
Journal in the top 25%: No
Position of publication: 132
No. of journals in the cat.: 314
Source of citations: WOS
Citations: 15
Relevant publication: Yes



- 3** Ruben Urraca; Thomas Huld; Anders V. Lindfors; Aku Riihelä; Francisco Javier Martinez-de-Pison; Andres Sanz-Garcia. Quantifying the amplified bias of PV system simulations due to uncertainties in solar radiation estimates. *Solar Energy*. 176, pp. 663 - 677. 02/11/2018. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0038092X18310442>>. ISSN 0038-092X

DOI: 10.1016/j.solener.2018.10.065

Type of production: Scientific paper

Format: Journal

Corresponding author: No

Impact source: ISI

Category: Science Edition - ENERGY & FUELS

Impact index in year of publication: 4.674

Journal in the top 25%: Yes

Position of publication: 24

No. of journals in the cat.: 103

Source of citations: WOS

Citations: 29

Relevant publication: Yes

- 4** Enrique Sodupe-Ortega; Andres Sanz-Garcia; Alpha Pernia-Espinoza; Carmen Escobedo-Lucea. Accurate Calibration in Multi-Material 3D Bioprinting for Tissue Engineering. *Materials*. 11 - 8, MDPI, 10/08/2018. Available on-line at: <<http://www.mdpi.com/1996-1944/11/8/1402>>. ISSN 1996-1944

DOI: 10.3390/ma11081402

Type of production: Scientific paper

Format: Journal

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

Total no. authors: 4

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Impact index in year of publication: 2.972

Journal in the top 25%: No

Position of publication: 102

No. of journals in the cat.: 293

Source of citations: WOS

Citations: 41

Relevant publication: Yes

- 5** Ruben Urraca Valle; Andres Sanz Garcia; Thomas Huld; Francisco Javier Martinez-de-Pison. Sources of uncertainty in annual global horizontal irradiance data. *Solar Energy*. 170, pp. 873 - 884. Elsevier Ltd, 01/08/2018. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0038092X18305449>>. ISSN 0038-092X

DOI: 10.1016/j.solener.2018.06.005

Type of production: Scientific paper

Format: Catalogue of artworks

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

Corresponding author: No

Impact source: ISI

Category: Science Edition - ENERGY & FUELS

Impact index in year of publication: 4.374

Journal in the top 25%: Yes

Position of publication: 23

No. of journals in the cat.: 97

Source of citations: WOS

Citations: 14

Relevant publication: Yes

- 6** Giorgia Nardone; Jorge Oliver De la Cruz; Jan Vrbsky; Cecilia Martini; Jan Pribyl; Petr Skládál; Martin Pesí; Guido Caluori; Stefania Pagliari; Fabiana Martino; Zuzana Maceckova; Marian Hajduch; Andres Sanz Garcia; Nicola Pugno; Gorazd Bernad Stokin; Giancarlo Forte. YAP regulates cell mechanics by controlling focal adhesion assembly. *Nature Communications*. 8 - 15321, pp. 1 - 13. Springer Nature, 2017. ISSN 2041-1723

DOI: 10.1038/ncomms15321

Type of production: Scientific paper

Format: Journal

Position of signature: 13

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

**Total no. authors:** 16**Impact source:** ISI**Impact index in year of publication:** 12,353**Position of publication:** 3**Source of citations:** WOS**Relevant publication:** Yes**Corresponding author:** No**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 64**Citations:** 369

- 7** Ruben Urraca; Andres Sanz-Garcia; Javier Tardaguila; Maria P. Diago. Estimation of total soluble solids in grape berries using a hand-held NIR spectrometer under field conditions. Journal of the Science of Food and Agriculture. 96 - 9, pp. 3007 - 3016. John Wiley & Sons, 2016. ISSN 0022-5142

DOI: 10.1002/JSFA.7470**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 2,463**Position of publication:** 4**Source of citations:** WOS**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 - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 56**Citations:** 41

- 8** E. Sodupe-Ortega; E. Fraile-Garcia; J. Ferreiro-Cabello; A. Sanz-Garcia. Evaluation of crumb rubber as aggregate for automated manufacturing of rubberized long hollow blocks and bricks. Construction and Building Materials. 106, pp. 305 - 316. 2016. ISSN 0950-0618

DOI: 10.1016/J.CONBUILDMAT.2015.12.131**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3,169**Position of publication:** 8**Source of citations:** WOS**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - CONSTRUCTION & BUILDING TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 61**Citations:** 62

- 9** Henrikki Mertaniemi; Carmen Escobedo-Lucea; Andres Sanz-Garcia; Carolina Gandia; Antti Makitie; Jouni Partanen; Olli Ikkala; Marjo Yliperttula. Human stem cell decorated nanocellulose threads for biomedical applications. Biomaterials. 82, pp. 208 - 220. 2016. ISSN 0142-9612

DOI: 10.1016/j.biomaterials.2015.12.020**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 8.402**Position of publication:** 2**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.:** 77

Source of citations: WOS**Citations:** 105**Relevant publication:** Yes

- 10** Maria P. Diago; Andres Sanz-Garcia; Borja Millan; Jose Blasco; Javier Tardaguila. Assessment of flower number per inflorescence in grapevine by image analysis under field conditions. Journal of the Science of Food and Agriculture. 94 - 10, pp. 1981 - 1987. 2014. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1002/jsfa.6512/abstract>>. ISSN 0022-5142

DOI: 10.1002/jsfa.6512**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,714**Position of publication:** 7**Source of citations:** WOS**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 - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 56**Citations:** 41

- 11** Elisa Lazaro-Ibanez; Andres Sanz-Garcia; Tapio Visakorpi; Carmen Escobedo-Lucea; Pia Siljander; Angel Ayuso-Sacido; Marjo Yliperttula. Different gDNA content in the subpopulations of prostate cancer extracellular vesicles: Apoptotic bodies, microvesicles, and exosomes. Prostate. 74 - 14, pp. 79 - 90. 2014. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1002/pros.22853/abstract>>. ISSN 1097-0045

DOI: 10.1002/pros.22853**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 3,565**Position of publication:** 13**Source of citations:** WOS**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 - UROLOGY & NEPHROLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 78**Citations:** 200

- 12** Jose Divasón; Julio Fernandez Cenicerros; Andres Sanz Garcia; Alpha Pernia Espinoza; Francisco J. Martinez-de-Pison. PSO-PARSIMONY: A method for finding parsimonious and accurate machine learning models with particle swarm optimization. Application for predicting force-displacement curves in T-stub steel connections. Neurocomputing. 548, pp. 126414. Elsevier, 02/06/2023. ISSN 0925-2312

DOI: 10.1016/j.neucom.2023.126414**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 6**Position of publication:** 41**Source of citations:** WOS**Format:** Journal**Corresponding author:** No**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 145**Citations:** 3



- 13** Ruben Urraca; Andres Sanz-Garcia; Iñigo Sanz-Garcia. BQC: A free web service to quality control solar irradiance measurements across Europe. *Solar Energy*. 211, pp. 1 - 10. 15/11/2020. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0038092X20310082>>. ISSN 0038-092X
DOI: 10.1016/J.SOLENER.2020.09.055
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 4.608
Position of publication: 35
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: ENERGY & FUELS -- SCIE
Journal in the top 25%: No
No. of journals in the cat.: 112
Citations: 4
- 14** Ruben Urraca; Javier Antonanzas; Andres Sanz-Garcia; Francisco Javier Martinez-de-Pison. Analysis of Spanish Radiometric Networks with the Novel Bias-Based Quality Control (BQC) Method. *Sensors*. 19 - 11, MDPI, 30/05/2019. Available on-line at: <<https://www.mdpi.com/1424-8220/19/11/2483>>. ISSN 1424-8220
DOI: 10.3390/s19112483
Type of production: Scientific paper
Corresponding author: No
Impact source: ISI
Impact index in year of publication: 3.031
Position of publication: 15
Source of citations: WOS
Relevant publication: No
Format: Journal
Category: Science Edition - INSTRUMENTS & INSTRUMENTATION
Journal in the top 25%: Yes
No. of journals in the cat.: 64
Citations: 2
- 15** Ruben Urraca; Thomas Huld; Ana Gracia-Amillo; Francisco Javier Martinez-de-Pison; Frank Kaspar; Andres Sanz-Garcia. Evaluation of global horizontal irradiance estimates from ERA5 and COSMO-REA6 reanalyses using ground and satellite-based data. *Solar Energy*. 164, pp. 339 - 354. 14/03/2018. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0038092X18301920>>. ISSN 0038-092X
DOI: 10.1016/j.solener.2018.02.059
Type of production: Scientific paper
Corresponding author: No
Impact source: ISI
Impact index in year of publication: 4.674
Position of publication: 24
Source of citations: WOS
Relevant publication: No
Format: Journal
Category: Science Edition - ENERGY & FUELS
Journal in the top 25%: Yes
No. of journals in the cat.: 103
Citations: 236
- 16** R. Urraca; E. Martinez-de-Pison; A. Sanz-Garcia; J. Antonanzas; F. Antonanzas-Torres. Estimation methods for global solar radiation: Case study evaluation of five different approaches in central Spain. *Renewable and Sustainable Energy Reviews*. 77, pp. 1098 - 1113. Elsevier Ltd., 2017. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S1364032116309959>>. ISSN 1364-0321
DOI: 10.1016/j.rser.2016.11.222
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
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: 9,184
Position of publication: 7
Source of citations: WOS

Category: Science Edition - ENERGY & FUELS
Journal in the top 25%: Yes
No. of journals in the cat.: 97
Citations: 46

- 17** Ruben Urraca; Alpha Pernia-Espinoza; Ismael Diaz; Andres Sanz Garcia. Practical methodology for validating constitutive models for the simulation of rubber compounds in extrusion processes. The International Journal of Advanced Manufacturing Technology. 90 - 5-8, pp. 2377 - 2387. Springer London, 2017. Available on-line at: <<http://dx.doi.org/10.1007/s00170-016-9537-9>>. ISSN 1433-3015

DOI: 10.1007/s00170-016-9537-9
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 4
Impact source: ISI

Format: Journal

Corresponding author: Yes
Category: Science Edition - ENGINEERING, MANUFACTURING
Journal in the top 25%: No
No. of journals in the cat.: 46

Impact index in year of publication: 2.601
Position of publication: 15
Source of citations: WOS

Citations: 7

- 18** Ruben Urraca; Ana M. Gracia Amillo; Thomas Huld; Francisco Javier Martinez-de-Pison; Jorg Trentmann; Andres V Lindfors; Andres Sanz Garcia. Quality control of global solar radiation data with satellite-based products. Solar Energy. 158, pp. 49 - 62. Elsevier Ltd., 2017. Available on-line at: <<http://dx.doi.org/10.1016/j.solener.2017.09.032>>. ISSN 0038-092X

DOI: 10.1016/j.solener.2017.09.032
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 4.374
Position of publication: 23
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: Energy and Fuels
Journal in the top 25%: Yes
No. of journals in the cat.: 97
Citations: 51

- 19** Ruben Urraca; Andres Sanz-Garcia; Alpha Pernia-Espinoza; Francisco Javier Martinez-De-Pison; Julio Fernandez-Ceniceros. Improving hotel room demand forecasting with a hybrid GA-SVR methodology based on skewed data transformation, feature selection and parsimony tuning. Logic Journal of the IGPL. 25 - 6, pp. 877 - 889. Oxford Academic, 2017. Available on-line at: <<https://doi.org/10.1093/jigpal/jzx029>>. ISSN 1367-0751

DOI: 10.1093/jigpal/jzx029
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 0.449
Position of publication: 261
Source of citations: WOS
Relevant publication: No

Format: Journal

Corresponding author: No
Category: Science Edition - MATHEMATICS, APPLIED
Journal in the top 25%: No
No. of journals in the cat.: 310
Citations: 17



- 20** E. Martinez-De-Pison; J. Fernandez-Ceniceros; A. V. Pernia-Espinoza; F. J. Martinez-De-Pison; Andres Sanz-Garcia. Hotel Reservation Forecasting Using Flexible Soft Computing Techniques: A Case of Study in a Spanish Hotel. *International Journal of Information Technology & Decision Making*. 15 - 5, pp. 1211 - 1234. WORLD SCIENTIFIC PUBL CO PTE LTD, 2016. ISSN 0219-6220
DOI: 10.1142/S0219622016500309
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 1.664
Position of publication: 36
Source of citations: WOS
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: No
No. of journals in the cat.: 83
Citations: 4
- 21** Clara Rey-Carames; Javier Tardaguila; Andres Sanz-Garcia; Mario Chica-Olmo; Maria P. Diago. Quantifying spatio-temporal variation of leaf chlorophyll and nitrogen contents in vineyards. *Biosystems Engineering*. 150, pp. 201 - 213. 2016. ISSN 1537-5110
DOI: 10.1016/j.biosystemseng.2016.07.015
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2.044
Position of publication: 8
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 - AGRICULTURE, MULTIDISCIPLINARY
Journal in the top 25%: Yes
No. of journals in the cat.: 56
Citations: 4
- 22** Andres Sanz-Garcia; Miodrag Stojkovic; Carmen Escobedo-Lucea. Growth of Human Pluripotent Stem Cells Using Functional Human Extracellular Matrix. *Methods in molecular biology*. 1307, pp. 39 - 60. 2016. ISSN 1940-6029
DOI: 10.1007/7651_2014_154
PMID: 25476443
Type of production: Scientific paper
Corresponding author: No
Impact source: SCOPUS
Impact index in year of publication: 0.597
Source of citations: SCOPUS
Relevant publication: No
Format: Journal
Category: Biochemistry, Genetics and Molecular Biology (miscellaneous)
Journal in the top 25%: No
Citations: 2
- 23** T. Hakkarainen; R. Koivuniemi; M. Kosonen; C. Escobedo-Lucea; A. Sanz-Garcia; J. Vuola; J. Valtonen; P. Tammela; A. Makitie; K. Luukko; M. Yliperttula; H. Kavola. Nanofibrillar cellulose wound dressing in skin graft donor site treatment. *Journal of Controlled Release*. 244, pp. 292 - 301. 2016. ISSN 0168-3659
DOI: 10.1016/j.jconrel.2016.07.053
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 12
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: 7.786

Position of publication: 20

Source of citations: WOS

Relevant publication: No

Category: Science Edition - CHEMISTRY, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 166

Citations: 147

- 24** J. Fernandez-Ceniceros; A. Sanz-Garcia; F. Antonanzas-Torres; F. J. Martinez-de-Pison. A numerical-informational approach for characterising the ductile behaviour of the T-stub component. Part 1: Refined finite element model and test validation. Engineering Structures. 82, pp. 236 - 248. 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0141029614004234>>. ISSN 0141-0296

DOI: 10.1016/j.engstruct.2014.06.048

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1,893

Position of publication: 28

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, CIVIL

Journal in the top 25%: Yes

No. of journals in the cat.: 126

Citations: 16

- 25** J. Fernandez-Ceniceros; A. Sanz-Garcia; F. Antonanzas-Torres; F. J. Martinez-de-Pison. A numerical-informational approach for characterising the ductile behaviour of the T-stub component. Part 2: Parsimonious soft-computing-based metamodel. Engineering Structures. 82, pp. 249 - 260. 2015. Available on-line at: <<http://doi.org/10.1016/j.engstruct.2014.06.047>>. ISSN 0141-0296

DOI: 10.1016/j.engstruct.2014.06.047

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1,893

Position of publication: 28

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, CIVIL

Journal in the top 25%: Yes

No. of journals in the cat.: 126

Citations: 23

- 26** Esteban Fraile-Garcia; Javier Ferreiro-Cabello; Enrique Sodupe-Ortega; Andres Sanz-Garcia. Combined assessment of the environmental, economic and social impacts of structural solutions for residential construction. Informes De La Construcción. 67 - 539, 2015. Available on-line at: <<http://dx.doi.org/10.3989/ic.14.041>>. ISSN 0020-0883

DOI: 10.3989/ic.14.041

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 0,227

Position of publication: 54

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 - CONSTRUCTION & BUILDING TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 61

Citations: 2



- 27** Andres Sanz-Garcia; Julio Fernandez-Ceniceros; Fernando Antonanzas-Torres; Alpha V. Pernia-Espinoza; F. Javier Martinez-de-Pison. GA-PARSIMONY: A GA-SVR approach with feature selection and parameter optimization to obtain parsimonious solutions for predicting temperature settings in a continuous annealing furnace. *Applied Soft Computing*. 35, pp. 13 - 28. 2015. Available on-line at: <<http://doi.org/10.1016/j.asoc.2015.06.012>>. ISSN 1568-4946
DOI: 10.1016/j.asoc.2015.06.012
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2.857
Position of publication: 16
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 - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 104
Citations: 42
- 28** Andres Sanz-Garcia; Jorge Oliver-De-La-Cruz; Vicente Mirabet; Carolina Gandia; Alejandro Villagrasa; Enrique Sodupe; Carmen Escobedo-Lucea. Heart valve tissue engineering: how far is the bedside from the bench?. *Expert Reviews in Molecular Medicine*. 17 - e16, 2015. Available on-line at: <<https://www.cambridge.org/core/journals/expert-reviews-in-molecular-medicine/article/heart-valve-tissue-engineering-how-far-is-the-bedside-from-the-bench/1FBD8F2012BD670B62A6A3C37306184E>>. ISSN 1462-3994
DOI: 10.1017/erm.2015.15
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.710
Position of publication: 39
Source of citations: WOS
Format: Journal
Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 289
Citations: 18
- 29** Julio Fernandez-Ceniceros; Fernando Antonanzas-Torres; Fco Javier Martinez-de-Pison; Andres Sanz-Garcia. Hybrid Modelling of Multilayer Perceptron Ensembles for Predicting the Response of Bolted Lap Joints. *Logic Journal of the IGPL*. 23 - 3, pp. 451 - 462. OXFORD UNIV PRESS, 2015. Available on-line at: <<https://doi.org/10.1093/jigpal/jzv007>>. ISSN 1367-0751
DOI: 10.1093/jigpal/jzv007
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 0.434
Position of publication: 224
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 - MATHEMATICS, APPLIED
Journal in the top 25%: No
No. of journals in the cat.: 254
Citations: 1
- 30** A. Sanz-Garcia; J. Fernandez-Ceniceros; R. Fernandez-Martinez; F. J. Martinez-de-Pison. Methodology based on genetic optimisation to develop overall parsimony models for predicting temperature settings on annealing furnace. *Ironmaking & Steelmaking*. 41 - 2, pp. 87 - 98. 2014. Available on-line at: <<http://dx.doi.org/10.1179/1743281212Y.0000000094>>. ISSN 0301-9233
DOI: 10.1179/1743281212Y.0000000094



Type of production: Scientific paper
Position of signature: 1

Total no. authors: 4
Impact source: ISI

Impact index in year of publication: 0,710
Position of publication: 43

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 - METALLURGY & METALLURGICAL ENGINEERING

Journal in the top 25%: No

No. of journals in the cat.: 74

Citations: 11

- 31** A. Sanz-Garcia; F. Antonanzas-Torres; J. Fernandez-Ceniceros; F. J. Martinez-de-Pison. Overall models based on ensemble methods for predicting continuous annealing furnace temperature settings. *Ironmaking & Steelmaking*. 41 - 1, pp. 51 - 60. 2014. Available on-line at: <<http://dx.doi.org/10.1179/1743281213Y.0000000104>>. ISSN 0301-9233
DOI: 10.1179/1743281213Y.0000000104

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 4
Impact source: ISI

Impact index in year of publication: 0,553
Position of publication: 41

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 - METALLURGY & METALLURGICAL ENGINEERING

Journal in the top 25%: No

No. of journals in the cat.: 75

Citations: 5

- 32** E. Antonanzas-Torres; A. Sanz-Garcia; F. J. Martinez-de-Pison; J. Antonanzas; O. Perpinan-Lamigueiro; J. Polo. Towards downscaling of aerosol gridded dataset for improving solar resource assessment, an application to Spain. *Renewable Energy*. 71, pp. 534 - 544. 2014. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0960148114003504>>. ISSN 0960-1481
DOI: 10.1016/j.renene.2014.06.010

Type of production: Scientific paper
Position of signature: 2

Total no. authors: 6
Impact source: ISI

Impact index in year of publication: 3,476
Position of publication: 20

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 - ENERGY & FUELS

Journal in the top 25%: Yes

No. of journals in the cat.: 89

Citations: 11

- 33** C. Escobedo-Lucea; C. Bellver; C. Gandia; A. Sanz-Garcia; F.J. Esteban; V. Mirabet; G. Forte; I. Moreno; M. Lezameta; A. Ayuso-Sacido; J.M. Garcia-Verdugo. A Xenogeneic-Free Protocol for Isolation and Expansion of Human Adipose Stem Cells for Clinical Uses. *PLoS ONE*. 8 - 7, 2013. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84879940296&partnerID=MN8TOARS>>. ISSN 1932-6203
DOI: 10.1371/journal.pone.0067870

Type of production: Scientific paper
Position of signature: 4

Total no. authors: 11
Impact source: ISI

Format: Journal

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

Corresponding author: No

Category: Science Edition - MULTIDISCIPLINARY SCIENCES



Impact index in year of publication: 3,534
Position of publication: 11

Source of citations: WOS

Journal in the top 25%: Yes
No. of journals in the cat.: 63

Citations: 24

- 34** F. Antonanzas-Torres; A. Sanz-Garcia; F.J. Martínez-de-Pisón; O. Perpiñan-Lamigueiro. Evaluation and improvement of empirical models of global solar irradiation: Case study northern Spain. *Renewable Energy*. 60, pp. 604 - 614. 2013. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84880172615&partnerID=MN8TOARS>>. ISSN 0960-1481

DOI: 10.1016/j.renene.2013.06.008

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3,361

Position of publication: 23

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 - ENERGY & FUELS

Journal in the top 25%: No

No. of journals in the cat.: 83

Citations: 33

- 35** A. Sanz-Garcia; A. V. Pernia-Espinoza; R. Fernandez-Martinez; F. J. Martinez-de-Pison-Ascacibar. Combining genetic algorithms and the finite element method to improve steel industrial processes. *Journal of Applied Logic*. 10 - 4, pp. 298 - 308. 2012. Available on-line at: <<http://doi.org/10.1016/j.jal.2012.07.006>>. ISSN 1570-8683

DOI: 10.1016/j.jal.2012.07.006

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 0,419

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

Corresponding author: Yes

Category: Logic

Journal in the top 25%: No

No. of journals in the cat.: 20

Citations: 8

- 36** Francisco Javier Martinez-de-Pison; Andres Sanz; Eduardo Martinez-de-Pison; Emilio Jimenez; Dante Conti. Mining association rules from time series to explain failures in a hot-dip galvanizing steel line. *Computers & Industrial Engineering*. 63 - 1, pp. 22 - 36. 2012. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0360835212000253>>.

DOI: 10.1016/j.cie.2012.01.013

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1,516

Position of publication: 16

Source of citations: WOS

Source of citations: SCOPUS

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, INDUSTRIAL

Journal in the top 25%: No

No. of journals in the cat.: 44

Citations: 20

Citations: 30



- 37** R. Fernandez-Martinez; J. Fernandez-Ceniceros; A. Sanz-Garcia; R. Lostado-Lorza; F.J. Martinez-De-Pison-Ascacibar. Dimensionality reduction in a database related with viticulture crops using wrapper techniques. *International Journal of Mathematical Models and Methods in Applied Sciences*. 5 - 5, pp. 866 - 873. 2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-79960346494&partnerID=MN8TOARS>>. ISSN 1998-0140, ISBN 978-3-642-19643-0

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 0,239

Position of publication: 737

Relevant publication: No

Format: Journal

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

Corresponding author: No

Category: Modelling and Simulation

Journal in the top 25%: No

No. of journals in the cat.: 878

- 38** A. Sanz; F.J. Martinez de Pison; R.L. Lorza; R.F. Martinez; J.F. Ceniceros. Improving scheduling methodologies in a Hot-Dip Galvanizing Line combining non-linear projectors and clustering. *International Journal of Mathematical Models and Methods in Applied Sciences*. 5 - 5, pp. 890 - 898. 2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-79960359295&partnerID=MN8TOARS>>. ISSN 1998-0140, ISBN 978-3-642-19643-0

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 0,239

Position of publication: 737

Relevant publication: No

Format: Journal

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

Corresponding author: Yes

Category: Modelling and Simulation

Journal in the top 25%: No

No. of journals in the cat.: 878

- 39** Julio Fernandez Ceniceros; Andres Sanz Garcia; Alpha V. Pernia Espinoza; Francisco Javier Martinez-de-Pison. PSO-PARSIMONY: A New Methodology for Searching for Accurate and Parsimonious Models with Particle Swarm Optimization. Application for Predicting the Force-Displacement Curve in T-stub Steel Connections. *Lecture Notes in Computer Science*. HAIS 2021. 12886, pp. 15 - 26. Springer, Cham, 2021. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-030-86271-8_2>. ISBN 978-3-030-86271-8

DOI: 10.1007/978-3-030-86271-8_2/978-3-319-92639-1_51

Type of production: Book chapter

Position of signature: 2

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 0.427

Source of citations: SCOPUS

Relevant publication: No

Format: Book

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

Corresponding author: No

Category: Computer Science (miscellaneous)

Journal in the top 25%: No

Citations: 2

- 40** Ruben Urraca; Javier Antonanzas; Andres Sanz Garcia; Alvaro Aldama; Francisco Javier Martinez-de-Pison. An Algorithm Based on Satellite Observations to Quality Control Ground Solar Sensors: Analysis of Spanish Meteorological Networks. *Lecture Notes in Computer Science*. HAIS 2018. 10870, pp. 609 - 621. Springer, Cham, 2018. Available on-line at: <http://dx.doi.org/10.1007/978-3-319-92639-1_51>. ISBN 978-3-319-92639-1

DOI: 10.1007/978-3-319-92639-1_51

Type of production: Book chapter

Position of signature: 3

Total no. authors: 5

Format: Catalogue of artworks

Corresponding author: No



Impact source: SCOPUS
Impact index in year of publication: 0.427
Source of citations: WOS
Relevant publication: No

Category: Computer Science (miscellaneous)
Journal in the top 25%: No
Citations: 2

- 41** Fernando Antonanzas Torres; Andres Sanz Garcia; Javier Antonanzas Torres; Oscar Perpiñan Lamiguero; Francisco Javier Martinez de Pison Ascacibar. Current Status and Future Trends of the Evaluation of Solar Global Irradiation using Soft-Computing-Based Models. Soft Computing Applications for Renewable Energy and Energy Efficiency. -, pp. 1 - 22. IGI Global, 2015. Available on-line at: <<http://www.igi-global.com/chapter/current-status-and-future-trends-of-the-evaluation-of-solar-global-irradiation-using-soft-computing-based-models/121389>>. ISBN 9781466666313
DOI: 10.4018/978-1-4666-6631-3.ch001

Type of production: Book chapter
Position of signature: 2

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

Total no. authors: 5
Source of citations: WOS

Corresponding author: Yes
Citations: 3

- 42** R. Urraca; A. Sanz-Garcia; J. Fernandez-Ceniceros; E. Sodupe-Ortega; F. J. Martinez-de-Pison. Improving Hotel Room Demand Forecasting with a Hybrid GA-SVR Methodology Based on Skewed Data Transformation, Feature Selection and Parsimony Tuning. Lecture Notes in Computer Science book series. 9121, pp. 632 - 643. Springer International Publishing, 2015. ISSN 0302-9743
DOI: 10.1007/978-3-319-19644-2_52

Type of production: Book chapter
Position of signature: 2

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

Total no. authors: 5
Impact source: SCOPUS
Impact index in year of publication: 0.25

Corresponding author: No
Category: Computer Science (miscellaneous)
Journal in the top 25%: No

Source of citations: WOS
Relevant publication: No

Citations: 9

- 43** E. Sodupe-Ortega; R. Urraca; J. Antonanzas; M. Alia-Martinez; A. Sanz-Garcia; F. J. Martinez-de-Pison. On-line Soft Sensor Based on Regression Models and Feature Selection Techniques for Predicting Rubber Properties in Mixture Processes. Project Management and Engineering. pp. 235 - 245. Cham(Switzerland): 2015. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-319-12754-5_18>. ISSN 2198-0772
DOI: 10.1007/978-3-319-12754-5_18

Type of production: Book chapter
Position of signature: 5

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

Total no. authors: 6
Source of citations: WOS

Corresponding author: No
Citations: 0

Relevant publication: No

- 44** Andres Sanz Garcia; Julio Fernandez Ceniceros; Fernando Antonanzas Torres; F. Javier MARTINEZ de Pison Ascacibar. Parsimonious Support Vector Machines Modelling for Set Points in Industrial Processes Based on Genetic Algorithm Optimization. Advances in Intelligent Systems and Computing. 239, pp. 1 - 10. Springer International Publishing, 2014. Available on-line at: <http://dx.doi.org/10.1007/978-3-319-01854-6_1>. ISBN 978-3-319-01854-6
DOI: 10.1007/978-3-319-01854-6_1

Type of production: Book chapter
Position of signature: 1

Format: Book

**Total no. authors:** 4**Impact source:** SCOPUS**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** Yes**Category:** Computer Science (miscellaneous)

- 45** Julio Fernandez-Ceniceros; Javier Antonanzas Torres; Ruben Urraca-Valle; Enrique Sodupe-Ortega; Andres Sanz-Garcia. Soft Computing Metamodels for the Failure Prediction of T-stub Bolted Connections. Advances in Intelligent Systems and Computing. 299, pp. 41 - 51. Springer International Publishing, 2014. Available on-line at: <http://dx.doi.org/10.1007/978-3-319-07995-0_5>. ISSN 2194-5357, ISBN 978-3-319-07995-0

DOI: 10.1007/978-3-319-07995-0_5**Type of production:** Book chapter**Position of signature:** 5**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** No**Total no. authors:** 5

- 46** Julio Fernandez Ceniceros; Ruben Urraca Valle; Javier Antonanzas Torres; Andres Sanz Garcia. The Application of Metamodels Based on Soft Computing to Reproduce the Behaviour of Bolted Lap Joints in Steel Structures. Advances in Intelligent Systems and Computing. 239, pp. 151 - 160. Springer International Publishing, 2014. Available on-line at: <http://dx.doi.org/10.1007/978-3-319-01854-6_16>. ISBN 978-3-319-01854-6

DOI: 10.1007/978-3-319-01854-6_16**Type of production:** Book chapter**Position of signature:** 4**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** No**Total no. authors:** 4**Impact source:** SCOPUS**Category:** Computer Science (miscellaneous)

- 47** Ruben Urraca Valle; Enrique Sodupe Ortega; Alpha Pernia Espinoza; Andres Sanz Garcia. Towards Improving the Applicability of Non-parametric Multiple Comparisons to Select the Best Soft Computing Models in Rubber Extrusion Industry. Advances in Intelligent Systems and Computing. 239, pp. 171 - 180. Springer International Publishing, 2014. Available on-line at: <http://dx.doi.org/10.1007/978-3-319-01854-6_18>. ISBN 978-3-319-01854-6

DOI: 10.1007/978-3-319-01854-6_18**Type of production:** Book chapter**Position of signature:** 4**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** No**Total no. authors:** 4

- 48** Andres Sanz-Garcia; Julio Fernandez-Ceniceros; Fernando Antonanzas-Torres; Javier Martinez-de-Pison-Ascacibar. Application of Genetic Algorithms to Optimize a Truncated Mean k-Nearest Neighbours Regressor for Hotel Reservation Forecasting. Lecture Notes in Computer Science. Hybrid Artificial Intelligent Systems. 7208, pp. 79 - 90. Springer, Berlin, Heidelberg, 2012. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-642-28942-2_8>. ISSN 0302-9743, ISBN 978-3-642-28941-5

DOI: 10.1007/978-3-642-28942-2_8**Type of production:** Book chapter**Position of signature:** 1**Format:** Journal**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** Yes**Total no. authors:** 4**Impact source:** SCOPUS**Category:** Computer Science (miscellaneous)**Impact index in year of publication:** 0,308**Journal in the top 25%:** No**Source of citations:** WOS**Citations:** 1



- 49** Julio Fernandez-Ceniceros; Andres Sanz-Garcia; Fernando Antonanzas-Torres; Javier Martinez-de-Pison-Ascacibar. Multilayer-Perceptron Network Ensemble Modeling with Genetic Algorithms for the Capacity of Bolted Lap Joint. Lecture Notes in Computer Science. Hybrid Artificial Intelligent Systems. 7208, pp. 545 - 556. Springer Verlag, 2012. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-642-28942-2_49>. ISSN 0302-9743, ISBN 978-3-642-28941-5
DOI: 10.1007/978-3-642-28942-2_49
Type of production: Book chapter
Position of signature: 2
Total no. authors: 4
Impact source: SCOPUS
Impact index in year of publication: 0,308
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: Computer Science (miscellaneous)
Journal in the top 25%: No
Citations: 2
- 50** R. Lostado-Lorza; A. Sanz-Garcia; A. Gonzalez-Marcos; A. Pernia-Espinoza. Genetic algorithms combined with the finite elements method as an efficient methodology for the design of tapered roller bearings. Advances in Intelligent and Soft Computing. 87, pp. 243 - 252. Springer, 2011. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-642-19644-7_26>. ISBN 978-3-642-19643-0
DOI: 10.1007/978-3-642-19644-7_26
Type of production: Book chapter
Position of signature: 2
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of chapter in book
Corresponding author: No
- 51** A. Sanz-Garcia; R. Lostado-Lorza; A. Pernia-Espinoza; F.J. Martinez-De-Pison-Ascacibar. Improving steel industrial processes using genetic algorithms and finite element method. Advances in Intelligent and Soft Computing. 87, pp. 233 - 241. Springer, 2011. Available on-line at: <https://link.springer.com/chapter/10.1007%2F978-3-642-19644-7_25>. ISBN 978-3-642-19643-0
DOI: 10.1007/978-3-642-19644-7_25
Type of production: Book chapter
Position of signature: 1
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of chapter in book
Corresponding author: Yes
- 52** Esteban Fraile Garcia; Andres Sanz Garcia; Eduardo Martinez de Pison Ascacibar; Cesar Garcia Lozano. Metodo de analisis tecnico-economico de estructuras de hormigon armado basadas en forjados unidireccionales. Monografia. Serie Monografias de Investigacion en las Ingenierias. pp. 1 - 224. La Rioja(Spain): Lopez and Da Vinci, 2012. ISBN 84-95416-88-3
Type of production: Scientific book or monograph
Position of signature: 2
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of entire book
Corresponding author: No
- 53** Julio Fernandez Cenicero; Esteban Fraile Garcia; Andres Sanz Garcia; Cesar Garcia Lozano. Procedimiento basado en criterios de sostenibilidad para la optimizacion de forjados unidireccionales de hormigon armado. Monografia. Serie Monografias de Investigacion en las Ingenierias. pp. 1 - 134. La Rioja(Spain): Lopez and Da Vinci, 2012. ISBN 84-95416-87-5
Type of production: Scientific book or monograph
Position of signature: 3
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of entire book
Corresponding author: No



Works submitted to national or international conferences

- 1** **Title of the work:** Análisis con teoría de tornillos de un mecanismo de Jansen para sistema móvil destinado a la limpieza de parques solares
Name of the conference: XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Las Palmas de Gran Canaria, Canary Islands, Spain
Date of event: 25/10/2023
End date: 27/10/2023
Organising entity: Comité Organizador del XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)
Type of contribution: Scientific paper
Carmen Blanco Herrera; Angel Hernandez Fernandez; Federico Lopez Simon; Andres Sanz Garcia.
"Libro Resúmenes del XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)". ISSN 0212-5072
- 2** **Title of the work:** Desarrollo y análisis CFD de un sistema de extrusión de polímeros en formato pellet para usos biosanitarios
Name of the conference: XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Las Palmas de Gran Canaria, Canary Islands, Spain
Date of event: 25/10/2023
End date: 27/10/2023
Organising entity: Comité Organizador del XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Armando Gonzalez Muñoz; Anuar Gimenez El-Amrani; Daniel Sanchez Garcia; Andres Sanz Garcia.
"Libro Resúmenes del XXIV CONGRESO NACIONAL DE INGENIERÍA MECÁNICA (CNIM-2023)". ISSN 0212-5072
- 3** **Title of the work:** BQC: A website to quality control solar radiation measurements using satellite-based databases
Name of the conference: 5th CM SAF User Workshop
Corresponding author: No
City of event: Mainz, Germany
Date of event: 03/06/2019
End date: 07/06/2019
Organising entity: EUMETSAT
Ruben Urraca Vallee; Andres Sanz Garcia; F.J. Martinez de Pison.
- 4** **Title of the work:** Humanize mice as an accurate preclinical tool to study mesenchymal stem cells (MSC) - T cell interaction during wound healing cell therapy
Name of the conference: 2018 Tissue Engineering and Regenerative Medicine International Society- World Congress (TERMIS-WC 2018)
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance



Corresponding author: No

City of event: Kyoto, Japan

Date of event: 04/09/2018

End date: 07/09/2018

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Carmen Escobedo; Andres Sanz Garcia; Enrique Sodupe Ortega. "Humanize mice as an accurate preclinical tool to study mesenchymal stem cells (MSC) - T cell interaction during wound healing cell therapy". En: Book of Abstracts of the 5th Tissue Engineering and Regenerative Medicine International Society- World Congress (TERMIS-WC 2018). 2018. Available on-line at: <http://www2.convention.co.jp/termis-wc2018/pdf/s_symposia.pdf>.

5 Title of the work: Vascularized human "fat-on-a-chip" model to recapitulate and study adipose tissue expansion and angiogenesis

Name of the conference: 2018 Tissue Engineering and Regenerative Medicine International Society- World Congress (TERMIS-WC 2018)

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: Kyoto, Japan

Date of event: 04/09/2018

End date: 07/09/2018

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Andres Sanz Garcia; Sudong Kim; C.S. Chen; Carmen Escobedo. "ascularized human "fat-on-a-chip" model to recapitulate and study adipose tissue expansion and angiogenesis". En: Book of Abstracts of the 5th Tissue Engineering and Regenerative Medicine International Society- World Congress (TERMIS-WC 2018). pp. 386. 2018. Available on-line at: <http://www2.convention.co.jp/termis-wc2018/pdf/s_poster2.pdf>.

6 Title of the work: Design and Validation of Flexible Open-source Printhead for 3D Bioprinting

Name of the conference: 2016 Tissue Engineering and Regenerative Medicine International Society- Asia Pacific Meeting (TERMIS-AP 2016)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Taipei, Taiwan

Date of event: 03/09/2016

End date: 06/09/2016

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz Garcia; Enrique Sodupe Ortega; Carmen Escobedo. "Design and Validation of Flexible Open-source Printhead for 3D Bioprinting". En: Abstracts Book of Tissue Engineering and Regenerative Medicine International Society- Asia Pacific Meeting (TERMIS-AP 2016). 2016. Available on-line at: <https://www.termis.org/ap2016/docs/termisAP2016_onlineAbstracts.pdf>.



- 7** **Title of the work:** Human adipose stem cells cultured in a novel nanofibrillar cellulose membrane bandage, enable remodelling of wounded areas
Name of the conference: TERMIS-EU Meeting 2016
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Uppsala, Sweden
Date of event: 28/06/2016
End date: 01/07/2016
Organising entity: Tissue Engineering and Regenerative Medicine (TERMIS)
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
C. Escobedo-Lucea; A. Sanz-Garcia; V. Cerullo; D. Burks; M. Yliperttula. "Human adipose stem cells cultured in a novel nanofibrillar cellulose membrane bandage, enable remodelling of wounded areas". En: European Cells and Materials. 31 - Suppl 1, pp. P184. 2016. ISSN 1473-2262
- 8** **Title of the work:** Nanofibrillar cellulose membrane – new promising candidate for wound healing treatment.
Name of the conference: 14th European Symposium on Controlled Drug Delivery
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Egmond aan Zee, Holland
Date of event: 13/04/2016
End date: 15/04/2016
Organising entity: ETP Nanomedicine
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
T. Hakkarainen; R. Koivuniemi; M. Kosonen; C. Escobedo-Lucea; A. Sanz-Garcia; J.Vuola; J. Valtonen; K. Luukko; M. Yliperttula; H. Kavola. "Nanofibrillar cellulose membrane – new promising candidate for wound healing treatment". En: Book of abstracts of 14th European Symposium on Controlled Drug Delivery. 2016.
- 9** **Title of the work:** 3D printed nanocellulose threads for delivering human stem cell inside wounds
Name of the conference: 2015 4th TERMIS World Congress
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Open access
Corresponding author: Yes
City of event: Boston, United States of America
Date of event: 08/09/2015
End date: 11/09/2015
Organising entity: TERMIS. Tissue engineering international and regenerative medicine society
City organizing entity: Boston, United States of America
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Andres Sanz Garcia; Henriikki Mertaniemi; Olli Ikkala; Marjo Yliperttula; Carmen Escobedo. "3D printed nanocellulose threads for delivering human stem cell inside wounds". En: TISSUE ENGINEERING: Part A. 21 - S9, MARY ANN LIEBERT, INC, 2015. Available on-line at: <<http://online.liebertpub.com/doi/full/10.1089/ten.tea.2015.5000.abstracts?mobileUi=0>>. ISSN 1937-3341



DOI: 10.1089/ten.tea.2015.5000.abstracts

10 Title of the work: hASC and NFC Membranes. New Promising Candidates for Wound Healing Treatment

Name of the conference: 2015 4th TERMIS World Congress

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Open access

Corresponding author: Yes

City of event: Boston, United States of America

Date of event: 08/09/2015

End date: 11/09/2015

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society

City organizing entity: Boston, United States of America

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Carmen Escobedo; Andres Sanz Garcia; D.J. Burks; V. Cerullo; Marjo Yliperttula. "hASC and NFC Membranes. New Promising Candidates for Wound Healing Treatment". En: TISSUE ENGINEERING: Part A. 21 - S1, MARY ANN LIEBERT, INC, 28/08/2015. Available on-line at: <<http://online.liebertpub.com/doi/full/10.1089/ten.tea.2015.5000.abstracts?mobileUi=0>>. ISSN 1937-3341

DOI: 10.1089/ten.tea.2015.5000.abstracts

11 Title of the work: The hASC and nanofibrillated cellulose membranes are new candidates for wound healing

Name of the conference: 2015 Gondon Conference in Biomaterials & Tissue Engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Girona, Catalonia, Spain

Date of event: 19/07/2015

End date: 25/07/2015

Organising entity: Gordon Research Conferences

Type of entity: Associations and Groups

Type of contribution: Scientific paper

Andrés Sanz-García; Carmen Escobedo-Lucea. "The hASC and nanofibrillated cellulose membranes are new candidates for wound healing". 2015. Available on-line at: <<https://www.grc.org/programs.aspx?id=10960>>.

12 Title of the work: Human adipose-derived stem cell decorated nanofibrillated cellulose threads for surgery

Name of the conference: 2015 Gordon Research Conference in Regenerative Engineering and Functional Materials Integration

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Girona, Catalonia, Spain

Date of event: 18/07/2015

End date: 19/07/2015

Organising entity: Gordon Research Seminars

Type of entity: Associations and Groups

Type of contribution: Scientific paper

Andrés Sanz-García; Carmen Escobedo-Lucea. "Human adipose-derived stem cell decorated nanofibrillated cellulose threads for surgery". 2015. Available on-line at: <<https://www.grc.org/programs.aspx?id=15515>>.



- 13** **Title of the work:** Discrimination of vine varieties (Vitis Vinifera L.) on the field by hyperspectral sensing
Name of the conference: XIV Congreso Nacional de Ciencias Hortícolas Orihuela
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Orihuela, Spain
Date of event: 03/06/2015
End date: 05/06/2015
Organising entity: Escuela Politécnica Superior de Orihuela (EPSO) **Type of entity:** University
Type of contribution: Scientific paper
Maria P. Diago; Andres Sanz-Garcia; Borja Millan; Javier Tardaguila. "Discrimination of vine varieties (Vitis Vinifera L.) on the field by hyperspectral sensing". pp. 213 - 213. 2015.
- 14** **Title of the work:** Hyperspectral imaging for grapevine phenotyping
Name of the conference: 19es Journées GiESCO 2015
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Gruissan, France
Date of event: 31/05/2015
End date: 05/06/2015
Organising entity: Groupe international d'Experts en Systèmes vitivinicoles pour la CoOpération **Type of entity:** Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
"Hyperspectral imaging for grapevine phenotyping". 2015.
- 15** **Title of the work:** Human Adipose stem cells cultured in a novel nanofibrillar cellulose membrane enable rapid remodelling of wound-healed areas
Name of the conference: The 14th Congress of the Japanese Society for Regenerative Medicine (JSPS)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Yokohama, Japan
Date of event: 18/03/2015
End date: 20/03/2015
Organising entity: Japanese Society for Regenerative Medicine (JSPS) **Type of entity:** Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Andres Sanz-Garcia; Carolina Gandía; Marjo Yliperttula; Carmen Escobedo-Lucea. "Human Adipose stem cells cultured in a novel nanofibrillar cellulose membrane enable rapid remodelling of wound-healed areas". 2015.
- 16** **Title of the work:** Human stem cell decorated nanocellulose threads for surgery
Name of the conference: The 14th Congress of the Japanese Society for Regenerative Medicine (JSPS)
Type of event: Conference **Geographical area:** Non EU International



Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Yokohama, Japan

Date of event: 18/03/2015

End date: 20/03/2015

Organising entity: Japanese Society for Regenerative Medicine (JSPS)

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz-Garcia; Henrikki Mertaniemi; Marjo Yliperttula; Olli Ikkala; Carmen Escobedo-Lucea. "Human stem cell decorated nanocellulose threads for surgery". 2015.

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

17 Title of the work: Presence of Oncogenic Genomic DNA Sequences in Extracellular Vesicle Populations

Name of the conference: 2014 ASEMV Annual Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: San Francisco, United States of America

Date of event: 10/10/2014

End date: 13/10/2014

Organising entity: American Society for Exosomes and Microvesicles

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Elisa Lázaro-Ibáñez; Andrés Sanz-García; Tapio Visakorpi; Carmen Escobedo-Lucea; Johng Rhim; Pia Siljander; Ángel Ayuso-Sacido; Marjo Yliperttula. "Presence of Oncogenic Genomic DNA Sequences in Extracellular Vesicle Populations". En: Proceedings of the 2014 ASEMV Annual Meeting. 2014.

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

18 Title of the work: Comparative analysis of numerical models based on finite element analysis of black poplar plywood panels

Name of the conference: XVIII International congress on project engineering

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: No

City of event: Alcaniz, Aragon, Spain

Date of event: 16/07/2014

End date: 18/07/2014

Organising entity: Asociacion Española de Ingenieria de Proyectos (AEIPRO)

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Manuel Julian Alia-Martinez; Andres Sanz-Garcia; Fernando Antonanzas-Torres; Javier Antonanzas-Torres; Esteban Fraile-Garcia; Francisco Javier Martinez-de-Pison. "Comparative analysis of numerical models based on finite element analysis of black poplar plywood panels". En: Proceedings of the XVI International Congress on Project Engineering. pp. 519 - 529. 2012. Available on-line at: <<http://dspace.aepro.com/xmlui/handle/123456789/287>>. ISBN 978-84-616-0047-2

Geographical area: Non EU International

Reasons for participation: Review before acceptance

19 Title of the work: Prostate cancer cell-derived extracellular vesicle subpopulations contain different gDNA fragments

Name of the conference: Third International Meeting of ISEV 2014



Type of event: Conference
Type of participation: 'Participatory - poster

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

Corresponding author: No
City of event: Rotterdam, Holland
Date of event: 30/04/2014
End date: 03/05/2014

Organising entity: ISEV
With external admission assessment committee: Yes

Type of entity: Associations and Groups

Type of contribution: Scientific paper

Elisa Lazaro-Ibanez; Andres Sanz-Garcia; Carmen Escobedo-Lucea; Pia Siljander; Angel Ayuso-Sacido; Marjo Yliperttula. "Prostate cancer cell-derived extracellular vesicle subpopulations contain different gDNA fragments". En: in Journal of Extracellular Vesicles. 3 - 24214, pp. 80 - 80. 2014. Available on-line at: <<http://dx.doi.org/10.3402/jev.v3.24214>>. ISSN 2001-3078

DOI: 10.3402/jev.v3.24214

20 Title of the work: Análisis clasificatorio de la actividad electroencefalográfica a través del paso de señales temporales al dominio de la frecuencia

Name of the conference: V JORNADAS DE USUARIOS DE R

Type of event: Conference

Corresponding author: No

City of event: Zaragoza, Aragon, Spain

Date of event: 12/12/2013

End date: 13/12/2013

Organising entity: Organizacion de las V jornadas de usuarios de R
Type of entity: Associations and Groups

Type of contribution: Scientific paper

Andres Sanz Garcia; Ruben Urraca Valle; Ruben Lostado Lorza; Roberto Fernandez Martinez. "LIBRO DE RESÚMENES. V JORNADAS DE USUARIOS DE R". pp. 24 - 24. 01/12/2013.

21 Title of the work: Postprocesado de resultados de análisis de elementos finitos con R

Name of the conference: V JORNADAS DE USUARIOS DE R

Type of event: Conference

Corresponding author: No

City of event: Zaragoza, Aragon, Spain

Date of event: 12/12/2013

End date: 13/12/2013

Organising entity: Organizacion de las V jornadas de usuarios de R
Type of entity: Associations and Groups

Type of contribution: Scientific paper

Andres Sanz Garcia; Julio Fernandez Cenicerros; Ruben Urraca Valle; Roberto Fernandez Martinez. "LIBRO DE RESÚMENES. V JORNADAS DE USUARIOS DE R". pp. 21 - 21. 01/12/2013.

22 Title of the work: Preproceso de imágenes hiperespectrales en R

Name of the conference: V JORNADAS DE USUARIOS DE R

Type of event: Conference

Corresponding author: No

City of event: Zaragoza, Aragon, Spain

Date of event: 12/12/2013

End date: 13/12/2013

Organising entity: Organizacion de las V jornadas de usuarios de R
Type of entity: Associations and Groups



Type of contribution: Scientific paper

Ruben Urraca Valle; Borja Millan; Roberto Fernandez Martinez; Andres Sanz Garcia. "LIBRO DE RESÚMENES. V JORNADAS DE USUARIOS DE R". pp. 22 - 23. 01/12/2013.

23 Title of the work: Development of a Human Extracellular Matrix for Regenerative Medicine Applications

Name of the conference: 2013 Gordon Conference in Biomaterials & Tissue Engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Holderness School, United States of America

Date of event: 27/07/2013

End date: 02/08/2013

Organising entity: Gordon Research Conferences **Type of entity:** Associations and Groups

Type of contribution: Scientific paper

Sanz-Garcia, A.; Gandia, C.; Ayuso, A.; Stojkovic, M.; Escobedo-Lucea, C."Book of abstracts". 2013.

24 Title of the work: Comparative Methodology of Non-linear Models for Predicting Rheological Properties of Rubber Mixtures in Industrial Lines

Name of the conference: XVII International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Logroño, La Rioja, Spain

Date of event: 17/07/2013

End date: 19/07/2013

Organising entity: Aeipro, asociacion española de ingenieria de proyectos **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Urraca-Valle, R; Sodupe-Ortega, E.; Antoñanzas-Torres, J.; Alonso Garcia, E.; Sanz-García, A."Comparative Methodology of Non-linear Models for Predicting Rheological Properties of Rubber Mixtures in Industrial Lines". En: Proceedings of the XVII International Congress on Project Engineering. 2013.

25 Title of the work: On-line Soft Sensor for Predicting Rubber Properties in a Mixture Process based on Regression Models with Feature Selection

Name of the conference: XVII International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Logroño, La Rioja, Spain

Date of event: 17/07/2013

End date: 19/07/2013

Organising entity: Aeipro, asociacion española de ingenieria de proyectos **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Sodupe-Ortega, E.; Urraca-Valle, R; Alía-Martínez, M. J; Antoñanzas-Torres, J.; Sanz-García, A."On-line Soft Sensor for Predicting Rubber Properties in a Mixture Process based on Regression Models with Feature Selection". En: Proceedings of the XVII International Congress on Project Engineering. 2013.



- 26** **Title of the work:** Big Data en la Nube: el valor de los datos para las decisiones estrategicas
Name of the conference: II Congreso Nacional Cloud Computing
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Logroño, La Rioja, Spain
Date of event: 27/06/2013
End date: 27/06/2013
Organising entity: Sistema Riojano de Innovacion
Andres Sanz Garcia.
- 27** **Title of the work:** Advances in Representation and Visualization of Microarray Analysis of hASCs for Tissue Engineering Applications
Name of the conference: TERMIS-EU 2013
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Istambul, Turkey
Date of event: 17/06/2013
End date: 20/06/2013
Organising entity: TERMIS. Tissue engineering international and regenerative medicine society
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Sanz García, A.; Urraca, R; Sodupe, E.; Villagrasa, A; Gandía-Ventura, C.; Escobedo-Lucea, C."Advances in Representation and Visualization of Microarray Analysis of hASCs for Tissue Engineering Applications". En: Proceedings of the TERMIS-EU 2013. 2013.
- 28** **Title of the work:** Development of a Human ECM for Regenerative Medicine Applications
Name of the conference: TERMIS-EU 2013
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Istambul, Turkey
Date of event: 17/06/2013
End date: 20/06/2013
Organising entity: TERMIS. Tissue engineering international and regenerative medicine society
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Sanz García, A.; Gandía-Ventura, C.; Stojkovic, M.; Escobedo-Lucea, C."Development of a Human ECM for Regenerative Medicine Applications". En: Book of abstracts. 2013.
- 29** **Title of the work:** Towards 3D Artificial Cardiac Valve Printing: Design And Physical Specifications
Name of the conference: TERMIS-EU 2013
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Istambul, Turkey



Date of event: 17/06/2013

End date: 20/06/2013

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Sanz García, A.; Gandía-Ventura, C.; Villagrasa, A.; Yliperttula, M.; Escobedo-Lucea, C. "Towards 3D Artificial Cardiac Valve Printing: Design And Physical Specifications". En: Proceedings of the TERMIS-EU 2013. 2013.

30 Title of the work: Evaluacion de modelos parametricos de prediccion de irradiacion global solar mediante variables meteorologicas tipicas

Name of the conference: IV Jornadas de usuarios de R

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 15/11/2012

End date: 16/11/2012

Organising entity: Organizacion de las IV jornadas de usuarios de R

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz-Garcia; Fernando Antoñanzas-Torres; Enrique Sodupe; Manuel Alía-Martínez; Roberto Fernández-Martínez. "Evaluacion de modelos parametricos de prediccion de irradiacion global solar mediante variables meteorologicas tipicas". En: Libro De Resúmenes. IV Jornadas de usuarios de R. pp. 15. 2012.

31 Title of the work: Evaluacion de modelos parametricos de prediccion de irradiacion global solar mediante variables meteorologicas tipicas

Name of the conference: IV Jornadas de usuarios de R

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 15/11/2012

End date: 16/11/2012

Organising entity: Organizacion de las IV jornadas de usuarios de R

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Fernando Antoñanzas-Torres; Javier Martinez-de-Pison; Andres Sanz-Garcia; Oscar Perpiñan-Lamigueiro. "Evaluacion de modelos parametricos de prediccion de irradiacion global solar mediante variables meteorologicas tipicas". En: Libro De Resúmenes. IV Jornadas de usuarios de R. pp. 17 - 18. 2012.

32 Title of the work: Uso de metodos de interpolacion espacial para la prediccion de variables en entornos vitivinolicas

Name of the conference: IV Jornadas de usuarios de R

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance



Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 15/11/2012

End date: 16/11/2012

Organising entity: Organizacion de las IV jornadas de usuarios de R **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Roberto Fernandez Martinez; Julio Fernandez Cenicerros; Eduardo Alonso Garcia; Andres Sanz Garcia. "Uso de metodos de interpolacion espacial para la prediccion de variables en entornos vitivincolas". En: Libro De Resúmenes. IV Jornadas de usuarios de R. pp. 19 - 19. 2012.

33 Title of the work: A new method for safe isolation and maintenance of human adipose stem cells in xeno-free conditions

Name of the conference: 3rd TERMIS World Congress 2012

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Vienna, Austria

Date of event: 05/09/2012

End date: 08/09/2012

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

C. Escobedo-Lucea; A. Sanz-Garcia; Y.R. Lou; C. Gandia-Ventura; M. Yliperttula; J.M. Garcia-Verdugo. "A new method for safe isolation and maintenance of human adipose stem cells in xeno-free conditions". En: Journal of Tissue Engineering and Regenerative Medicine. 6, pp. 269 - 269. 05/09/2012. ISSN 1932-6254

DOI: doi10.1002/term.1586

34 Title of the work: Development of selection criteria for data mining tools to analyse microarray of stem cell populations

Name of the conference: 3rd TERMIS World Congress 2012

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Vienna, Austria

Date of event: 05/09/2012

End date: 08/09/2012

Organising entity: TERMIS. Tissue engineering international and regenerative medicine society **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

A. Sanz-Garcia; C. Escobedo-Lucea; R. Fernandez-Martinez; C. Gandia-Ventura; M. Yliperttula. "Development of selection criteria for data mining tools to analyse microarray of stem cell populations". En: Journal of Tissue Engineering and Regenerative Medicine. 6, pp. 269 - 269. 05/09/2012. ISSN 1932-6254

DOI: doi10.1002/term.1586



35 Title of the work: Increasing of thermal insulation and sustainability in hollow concrete blocks using recycled materials

Name of the conference: XVI International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Valencia, Valencian Community, Spain

Date of event: 11/07/2012

End date: 13/07/2012

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Enrique Sodupe-Ortega; Andres Sanz-Garcia; esteban fraile-Garcia; Julio Fernandez-Ceniceros; Alpha v. Pernia-espinoza. "Increasing of thermal insulation and sustainability in hollow concrete blocks using recycled materials". En: Proceedings of the XVI International Congress on Project Engineering, pp. 519 - 529. 2012. Available on-line at: <http://www.aeipro.com/files/congresos/2012valencia/CIIP12_0519_0529.3734.pdf>. ISBN 978-84-616-0047-2

36 Title of the work: Technical feasibility assessment of integrated solar combined cycle power plants in ciudad real (spain) and las vegas (usa)

Name of the conference: XVI International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Valencia, Valencian Community, Spain

Date of event: 11/07/2012

End date: 13/07/2012

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Fernando Antoñanzas-Torres; Enrique Sodupe-Ortega; Andres Sanz-Garcia; Roberto Fernandez-Martinez; Francisco Javier Martinez-de-Pison-Ascacibar. "Technical feasibility assessment of integrated solar combined cycle power plants in ciudad real (spain) and las vegas (usa)". En: Proceedings of the XVI International Congress on Project Engineering, pp. 1282 - 1291. 2012. Available on-line at: <http://www.aeipro.com/files/congresos/2012valencia/CIIP12_1282_1291.3801.pdf>. ISBN 978-84-616-0047-2

37 Title of the work: The use of black poplar plywood as a structural component of prefabricated buildings

Name of the conference: XVI International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Valencia, Valencian Community, Spain

Date of event: 11/07/2012

End date: 13/07/2012

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups



With external admission assessment committee: Yes

Type of contribution: Scientific paper

Manuel j. alia-Martinez; Andres Sanz-Garcia; Roberto Fernandez-Martinez; Julio Fernandez-Ceniceros; Francisco Javier Martinez-de-Pison-Ascacibar. "The use of black poplar plywood as a structural component of prefabricated buildings". En: Proceedings of the XVI International Congress on Project Engineering. pp. 496 - 505. 2012. Available on-line at: <http://www.aepro.com/files/congresos/2012valencia/CIIP12_0496_0505.3732.pdf>. ISBN 978-84-616-0047-2

38 Title of the work: KDseries: una libreria destinada destinada al tratamiento de series temporales en r

Name of the conference: III Jornadas de usuarios de R

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Madrid, Community of Madrid, Spain

Date of event: 17/11/2011

End date: 18/11/2011

Organising entity: Organizacion de las III jornadas de usuarios de R

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz Garcia; Francisco Javier Martinez de Pison Ascacibar; Roberto Fernandez Martinez; Fernando Antoñanzas Torres. "KDseries: una libreria destinada destinada al tratamiento de series temporales en r". En: Libro De Resúmenes. III Jornadas de usuarios de R. pp. 45 - 45. Community of Madrid (Spain): 2012. Available on-line at: <<http://r-es.org/3jornadasR/LibroPrograma.pdf>>.

39 Title of the work: SISAL: algoritmo de seleccion secuencial de variables implementado en r

Name of the conference: III Jornadas de usuarios de R

Type of event: Workshop

Geographical area: National

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: 17/11/2011

End date: 18/11/2011

Organising entity: Organizacion de las III jornadas de usuarios de R

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz Garcia; Ana Gonzalez; Julio Fernandez Ceniceros; Fernando Antoñanzas Torres. "SISAL: algoritmo de seleccion secuencial de variables implementado en r". En: Libro De Resúmenes. III Jornadas de usuarios de R. pp. 43 - 43. Community of Madrid (Spain): 2012. Available on-line at: <<http://r-es.org/3jornadasR/LibroPrograma.pdf>>.

40 Title of the work: El Ecoparque de la Rioja. parte II: lineas de tratamiento

Name of the conference: Conferencia cientifica internacional medio ambiente siglo XXI (MAS XXI)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Villa Clara, Cuba

Date of event: 08/11/2011



End date: 11/11/2011

Organising entity: Universidad Central de las Villas y Universidad Otto-von-Guericke **Type of entity:** University

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Luis M. Lopez-Ochoa; Juana Domenech-Subiran; Andres Sanz Garcia; Julio Blanco Fernandez. "El Ecoparque de la Rioja. parte II: lineas de tratamiento". En: Proceedings of VI Conferencia Científica Internacional de Ingeniería Mecánica (COMEC 2010). pp. 1 - 10. 2011. ISBN 978-959-250-693-0

41 Title of the work: Posibilidades de la inteligencia ambiental (IA) aplicada a mejorar la eficiencia energetica y el confort termico en la edificacion

Name of the conference: Conferencia cientifica internacional medio ambiente siglo XXI (MAS XXI)

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Villa Clara, Cuba

Date of event: 08/11/2011

End date: 11/11/2011

Organising entity: Universidad Central de las Villas y Universidad Otto-von-Guericke **Type of entity:** University

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Jesus las Heras Casas; Andres Sanz Garcia; Javier Vicuña Martinez; Eduardo Martinez de Pison Ascacibar. "Posibilidades de la inteligencia ambiental (IA) aplicada a mejorar la eficiencia energetica y el confort termico en la edificacion". En: Proceedings of VI Conferencia Científica Internacional de Ingeniería Mecánica (COMEC 2010). pp. 1 - 9. 2011. ISBN 978-959-250-693-0

42 Title of the work: Application of wrapper methods for feature selection in modelling ripening process of a viticulture crop

Name of the conference: 10th WSEAS international conference on applied computer and applied computational science (ACACOS 11)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Venice, Italy

Date of event: 08/10/2011

End date: 11/10/2011

Organising entity: WSEAS, World scientific and engineering academy and society

Type of entity: Associations and Groups

Type of contribution: Scientific paper

Roberto Fernandez Martinez; Julio Fernandez Cenicerros; Andres Sanz Garcia; Ruben Lostado Lorza; Francisco Javier Martinez de Pison Ascacibar. "Application of wrapper methods for feature selection in modelling ripening process of a viticulture crop". En: Proceedings of the 10th WSEAS international conference on Applied computer and applied computational science (ACACOS 11), pp. 142 - 147. 2011. Available on-line at: <www.wseas.us/e-library/conferences/2011/Venice/ACACOS/ACACOS-24.pdf>. ISBN 978-960-474-281-3

43 Title of the work: Using multi-dimensional scaling and hierarchical clustering to improve the process in a hot-dip galvanizing line

Name of the conference: 10th WSEAS international conference on applied computer and applied computational science (ACACOS 11)



Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Venice, Italy

Date of event: 08/10/2011

End date: 11/10/2011

Organising entity: WSEAS, World scientific and engineering academy and society

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz Garcia; Francisco Javier Martinez de Pison Ascacibar; Ruben Lostado Lorza; Roberto Fernandez Martinez; Julio Fernandez Cenicerros. "Using multi-dimensional scaling and hierarchical clustering to improve the process in a hot-dip galvanizing line".

En: Proceedings of the 10th WSEAS international conference on Applied computer and applied computational science (ACACOS ?11), pp. 153. 2011. Available on-line at:

<www.wseas.us/e-library/conferences/2011/Venice/ACACOS/ACACOS-25.pdf>. ISBN 978-960-474-281-3

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

44 Title of the work: Predictive models for bolted T-stub connections combining fem with intelligent artificial techniques

Name of the conference: Computational Plasticity XI. Fundamentals and applications

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 07/09/2011

End date: 09/09/2011

Organising entity: International center for numerical methods in engineering (CIMNE)

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Julio Fernandez Cenicerros; Ruben Lostado Lorza; Roberto Fernandez Martinez; Andres Sanz Garcia; Francisco Javier Martinez de Pison Ascacibar. "Predictive models for bolted T-stub connections combining fem with intelligent artificial techniques". En: Proceedings of the XI International Conference on Computational Plasticity. Fundamentals and Applications (COMPLAS XI). pp. 1478 - 1489. 2011. ISBN 978-84-89925-23-6

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: R&D Centre

45 Title of the work: Analisis de sensibilidad de los parametros de configuracion de un proceso de soldadura gma

Name of the conference: XV International congress on project engineering

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Huesca, Aragon, Spain

Date of event: 06/07/2011

End date: 08/07/2011

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups



Pedro Villanueva Roldan; Martin Ibarra Murillo; Andres Sanz Garcia; Ruben Lostado Lorza. "Análisis de sensibilidad de los parámetros de configuración de un proceso de soldadura gma". En: Proceedings of the XV International Congress on Project Engineering.. pp. 2230 - 2239. 2011. ISBN 978-84-615-4542-1

46 **Title of the work:** Metodología de análisis y optimización de la eficiencia energética en edificios existentes en el marco del código técnico de la edificación

Name of the conference: XV International congress on project engineering

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: Huesca, Aragon, Spain

Date of event: 06/07/2011

End date: 08/07/2011

Organising entity: Aeipro, asociación española de ingeniería de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Andres Sanz-Garcia; Javier Antoñanzas-Torres; Ruben Lostado-Lorza; Manuel Castejon-limas; Javier Alfonso. "Metodología de análisis y optimización de la eficiencia energética en edificios existentes en el marco del código técnico de la edificación". En: Proceedings of the XV International Congress on Project Engineering.. pp. 1495 - 1506. 2011. ISBN 978-84-615-4542-1

47 **Title of the work:** Modeling of mag welding process using data mining techniques

Name of the conference: XV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Huesca, Aragon, Spain

Date of event: 06/07/2011

End date: 08/07/2011

Organising entity: Aeipro, asociación española de ingeniería de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Pedro Roldan-Villanueva; Martin Ibarra-Murillo; Ruben Lostado-Lorza; Andres Sanz-Garcia. "Modeling of mag welding process using data mining techniques". En: Proceedings of the XV International Congress on Project Engineering.. pp. 1729 - 1738. 2011. ISBN 978-84-615-4542-1

48 **Title of the work:** Simulación térmica de forjados. análisis comparativo y estudio del coste energético

Name of the conference: XV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Huesca, Aragon, Spain

Date of event: 06/07/2011

End date: 08/07/2011

Organising entity: Aeipro, asociación española de ingeniería de proyectos

Type of contribution: Scientific paper



Julio Fernandez-Ceniceros; Alpha Pernia-espinoza; Eliseo Vergara-Gonzalez; Andres Sanz-Garcia; Javier Alfonso Cendon. "Simulacion termica de forjados. analisis comparativo y estudio del coste energetico". En: Proceedings of the XV International Congress on Project Engineering. pp. 664 - 675. 2011. ISBN 978-84-615-4542-1

49 Title of the work: Use of feature transformation and feature selection processes before modelling variables related with viticulture crops

Name of the conference: XV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Huesca, Aragon, Spain

Date of event: 06/07/2011

End date: 08/07/2011

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Roberto Fernandez Martinez; Julio Fernandez Ceniceros; Andres Sanz Garcia; Marina Corral Bobadilla. "Use of feature transformation and feature selection processes before modelling variables related with viticulture crops". En: Proceedings of the XV International Congress on Project Engineering.. pp. 765 - 775. 2011. ISBN 978-84-615-4542-1

50 Title of the work: Fomento de la energia geotermica en edificios publicos riojanos. Estudio de dos alternativas para la climatizacion de un edificio en Logroño

Name of the conference: VII Congreso Nacional de Ingenieria Termodinamica

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Bilbao, Basque Country, Spain

Date of event: 15/06/2011

End date: 17/06/2011

Organising entity: Universidad del País Vasco

With external admission assessment committee: Yes

Type of contribution: Scientific paper

LM Lopez-Gonzalez; LM Lopez-Ochoa; C Garcia lozano; A Sanz Garcia. "Fomento de la energia geotermica en edificios publicos riojanos. Estudio de dos alternativas para la climatizacion de un edificio en Logroño". En: Proceedings in VII Congreso Nacional de Ingeniería Termodinámica. 2, pp. 1151 - 1162. 2011. ISBN 84-95416-78-6

51 Title of the work: Modelling of contact stresses in tapered roller bearings

Name of the conference: 2nd International Conference on Computational Contact Mechanics (ICCCM11)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Hannover, Germany

Date of event: 15/06/2011

End date: 17/06/2011

Organising entity: ECCOMAS: european community on computational methods in applied sciences

Type of entity: Associations and Groups

With external admission assessment committee: Yes



Type of contribution: Scientific paper

Ruben Lostado-Lorza; Andres Sanz-Garcia; Ruben Escribano-Garcia; Francisco Javier Martinez-de-Pison. "Modelling of contact stresses in tapered roller bearings". En: Proceedings in 2nd International Conference on Computational Contact Mechanics (ICCCM11). pp. 155 - 156. 2011.

- 52** **Title of the work:** Roghness modelling and texture transfer on skin pass process
Name of the conference: 2nd International Conference on Computational Contact Mechanics (ICCCM11)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Hannover, Germany
Date of event: 15/06/2011
End date: 17/06/2011
Organising entity: ECCOMAS: european community **Type of entity:** Associations and Groups on computational methods in applied sciences
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Ruben Escribano; Alpha Pernia; Ruben Lostado; Andres Sanz. "Roghness modelling and texture transfer on skin pass process". En: Proceedings in 2nd International Conference on Computational Contact Mechanics (ICCCM11). pp. 153 - 154. 2011.
- 53** **Title of the work:** El sistema integrado de gestion de prevencion de riesgos laborales
Name of the conference: VI conferencia cientifica internacional de ingenieria mecanica (COMEC 2010)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Villa Clara, Cuba
Date of event: 02/11/2010
End date: 04/11/2010
Organising entity: Universidad Central de las Villas y Universidad Otto-von-Guericke
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Raul Gonzalez Ruiz; F.J. Marrodan Esparza; Andres Sanz. "El sistema integrado de gestion de prevencion de riesgos laborales". En: Proceedings of VI Conferencia Científica Internacional de Ingeniería Mecánica (COMEC 2010). pp. 1 - 8. 2010. ISBN 978-959-250-602-2
- 54** **Title of the work:** Extraccion de patrones climaticos e influencia en el desarrollo de los sistemas industriales
Name of the conference: VI Conferencia cientifica internacional de ingenieria mecanica (COMEC 2010)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: Yes
City of event: Villa Clara, Cuba
Date of event: 02/11/2010
End date: 04/11/2010
Organising entity: Universidad Central de las Villas **Type of entity:** University y Universidad Otto-von-Guericke
With external admission assessment committee: Yes
Type of contribution: Scientific paper



Andres Sanz; Raul Gonzalez Ruiz; F.J. Marrodan Esparza. "Extraccion de patrones climaticos e influencia en el desarrollo de los sistemas industriales". En: Proceedings of VI Conferencia Científica Internacional de Ingeniería Mecánica (COMEC 2010). pp. 1 - 8. 2010. ISBN 978-959-250-602-2

55 Title of the work: Obtencion de conocimiento util mediante arboles de decision para optimizacion del diseño de estructuras de hormigon. aplicacion a forjados unidireccionales

Name of the conference: III Congreso español de informatica. V simposio de teoria y aplicaciones de mineria de datos (TAMIDA 2010)

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Valencia, Valencian Community, Spain

Date of event: 07/09/2010

End date: 10/09/2010

Organising entity: Red Española de Minería de Datos y Aprendizaje

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Julio Fernandez; F. Javier Martinez de Pison; Andres Sanz; Roberto Fernandez. "Obtencion de conocimiento util mediante arboles de decision para optimizacion del diseño de estructuras de hormigon. aplicacion a forjados unidireccionales". En: Proceedings of III Congreso Español de Informatica (CEDI 2010).. pp. 311 - 318. 2010. ISBN 978-84-92812-60-8

56 Title of the work: Reglas de asociacion en series temporales: evolucion hacia la eficiencia y el funcionamiento online

Name of the conference: III Congreso español de informatica. V simposio de teoria y aplicaciones de mineria de datos (TAMIDA 2010)

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Valencia, Valencian Community, Spain

Date of event: 07/09/2010

End date: 10/09/2010

Organising entity: Red Española de Minería de Datos y Aprendizaje

Type of contribution: Scientific paper

Andres Sanz; Ana Gonzalez; Julio Fernandez; Ruben Escribano. "Reglas de asociacion en series temporales: evolucion hacia la eficiencia y el funcionamiento online". En: Proceedings of III Congreso Español de Informatica (CEDI 2010). pp. 147 - 154. 2010. ISBN 978-84-92812-60-8

57 Title of the work: Modelos descriptivos y predictivos para la estimacion de costes en proyectos informaticos

Name of the conference: XIV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 30/06/2010

End date: 02/07/2010

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups



With external admission assessment committee: Yes

Type of contribution: Scientific paper

Ruben Escribano Garcia; F Javier Martinez de Pison Ascacibar; Manuel Castejon Limas; Andres Sanz Garcia; Roberto Fernandez Martinez. "Modelos descriptivos y predictivos para la estimacion de costes en proyectos informaticos". En: Proceedings of the XIV International Congress on Project Engineering. pp. 2590 - 2600. 2010. ISBN 978-84-614-2608-9

58 Title of the work: Nuevas tendencias de tecnologias de sensores inalambricas para la mejora productiva de cultivos agricolas

Name of the conference: XIV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Madrid, Community of Madrid, Spain

Date of event: 30/06/2010

End date: 02/07/2010

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Roberto Fernandez Martinez; Alpha Veronica Pernia espinoza; Andres Sanz Garcia; Jesus las Heras Casas; Javier Alfonso Cendon. "Nuevas tendencias de tecnologias de sensores inalambricas para la mejora productiva de cultivos agricolas". En: Proceedings of the XIV International Congress on Project Engineering. pp. 979 - 989. 2010. ISBN 978-84-614-2608-9

59 Title of the work: Re-implementacion del paquete AMORE

Name of the conference: XIV International congress on project engineering

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 30/06/2010

End date: 02/07/2010

Organising entity: Aeipro, asociacion española de ingenieria de proyectos

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Javier Alfonso; Manuel Castejon; Andres Sanz; Julio Fernandez; Roberto Fernandez. "Re-implementacion del paquete AMORE". En: Proceedings of the XIV International Congress on Project Engineering. pp. 2616 - 2622. 2010. ISBN 978-84-614-2608-9

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

1 Title of the work: Conferencia inaugural. Tecnologías disruptivas en fabricación y prototipado rápido

Name of the event: Inauguración del Laboratorio Multidisciplinar de la Escuela Técnica Superior de Ingeniería Industrial de Béjar

Type of event: Inauguración

Reasons for participation: Upon invitation

City of event: Béjar, Castile and León, Spain

Date of event: 19/02/2024



End date: 19/02/2024

Organising entity: Universidad de Salamanca

Andres Sanz Garcia.

Type of entity: University

2 Title of the work: Retos y resultados de la primera unidad piloto de planificación quirúrgica en la Comunitat Valenciana

Name of the event: Impulsando la Salud del Futuro. Proyectos Estratégicos en Cooperación.

City of event: Valencia, Valencian Community, Spain

Date of event: 05/07/2023

End date: 05/07/2023

Organising entity: FUNDACION DE INVESTIGACION HOSPITAL UNIVERSITARIO DE VALENCIA

Andres Sanz Garcia.

3 Title of the work: REALISTIC: Impresión 3D de modelos anatómicos REALISTas para el estudio y planificación quirúrgica

Name of the event: I Encuentro investigación e Innovación Biomédica en la Comunitat Valenciana

City of event: Valencia, Valencian Community, Spain

Date of event: 28/04/2023

End date: 28/04/2023

Organising entity: Instituto de Investigación Sanitaria La Fe

Andres Sanz Garcia.

4 Title of the work: Impresión 3D

Name of the event: Jornada Proyecto INESPO Plus. Fabricación avanzada e impresión 3D

City of event: Valladolid, Castile and León, Spain

Date of event: 23/03/2023

End date: 23/03/2023

Organising entity: POCTEP 2021-2027

Andres Sanz Garcia.

5 Title of the work: Bioimpresión 3D (3D printing)

Name of the event: XI Jornadas de Ingeniería Industrial Aplicada (INGENIA'16)

City of event: Logroño, La Rioja, Spain

Date of event: 14/04/2016

End date: 14/04/2016

Organising entity: Universidad de La Rioja

Enrique Sodupe; Andres Sanz.

Type of entity: University

Science Outreach activities

1 Title of the work: Casos de éxito en la convocatoria TCUE Prototipos 22-23

Name of the event: Jornada de presentación de proyectos programa de prototipos orientados al mercado en TCUE Curso 2022-2023

Type of event: Fairs and exhibitions

Corresponding author: Yes

City of event: Salamanca, Castile and León, Spain

Date of event: 12/12/2023

Organising entity: FUNDACION GENERAL DE LA UNIVERSIDAD DE SALAMANCA

City organizing entity: Salamanca, Castile and León, Spain

Andres Sanz Garcia. "Presentación casos de éxito Prototipos USAL".



- 2** **Title of the work:** Robot limpiador de paneles solares
Name of the event: I Carrera por la Investigación y Transferencia
Type of event: Divulgación Ciencia
Corresponding author: Yes
City of event: Salamanca, Castile and León, Spain
Date of event: 10/06/2023
Organising entity: FUNDACION GENERAL DE LA UNIVERSIDAD DE SALAMANCA
Andres Sanz Garcia. "SUNROOF (Sistema aUtóNomo de ROBOt andador para limpieza de paneles Fotovoltaicos)". Available on-line at: <<https://www.youtube.com/watch?v=7DAAa3mVVSE>>.
- 3** **Title of the work:** Casos de exito en la convocatoria TCUE Prototipos 21-22
Name of the event: Jornada de presentación de proyectos programa de prototipos orientados al mercado en TCUE Curso 2021-2022
Type of event: Fairs and exhibitions
Corresponding author: Yes
City of event: Salamanca, Castile and León, Spain
Date of event: 15/11/2022
Organising entity: FUNDACION GENERAL DE LA UNIVERSIDAD DE SALAMANCA
City organizing entity: Salamanca, Castile and León, Spain
Adnres Sanz Garcia. "Presentación casos de exito Prototipos USAL".
- 4** **Title of the work:** Femto-biomimetics. Nuevas fronteras del conocimiento en fabricación de modelos de cultivo 3D
Name of the event: OpSesiones – Física
Type of event: Divulgación Ciencia en Frontera
Corresponding author: Yes
City of event: Salamanca, Castile and León, Spain
Date of event: 10/10/2018
Organising entity: Universidad de Salamanca **Type of entity:** University
City organizing entity: salamanca, Castile and León, Spain
Andres Sanz Garcia. "Femto-biomimetics. Nuevas fronteras del conocimiento en fabricación de modelos de cultivo 3D".
- 5** **Title of the work:** Movimiento Maker en la UR
Name of the event: Maker - UR
Type of event: Conferences given **Geographical area:** Regional
Reasons for participation: Open access
City of event: Logroño, La Rioja, Spain
Date of event: 2016
Organising entity: Universidad de La Rioja **Type of entity:** University
City organizing entity: Logroño, La Rioja, Spain
With external admission assessment committee: No
- 6** **Title of the work:** Spanish science in the world
Name of the event: Global Understanding workshops
Type of event: Conferences given
Corresponding author: Yes
City of event: Tokyo, Japan
Date of event: 12/09/2014
Type of entity: Foundation



Organising entity: Tokyo International Exchange Center (TIEC) Project Unit, JASSO
Andres Sanz Garcia. Available on-line at: <http://www.jasso.go.jp/tiec/koryukenkyu46_e.html>.

R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** 6th world congress of the Tissue Engineering and Regenerative Medicine International Society (TERMIS2021)
Type of activity: Scientific advisory committee member **Geographical area:** Non EU International
Convening entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS)
City convening entity: Maastricht, Holland
Start-End date: 15/11/2021 - 19/11/2021 **Duration:** 5 days
- 2** **Title of the activity:** Presidente de la sesión "3D Bioprinting"
Type of activity: Organización en Conferencias **Geographical area:** Non EU International
City of event: Taipei, Taiwan
Convening entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS)
City convening entity: Taipei, Taiwan
Type of participation: Organiser
Nº assistants: 150
Start-End date: 03/09/2016 - 06/09/2016 **Duration:** 4 days
- 3** **Title of the activity:** Presidente-organizador de la sesión "Mentoring"
Type of activity: Organización en Conferencias **Geographical area:** Non EU International
City of event: Taipei, Taiwan
Convening entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS)
City convening entity: Taipei, Taiwan
Type of participation: Organiser
Nº assistants: 75
Start-End date: 03/09/2016 - 06/09/2016 **Duration:** 4 days
- 4** **Title of the activity:** Presidente de la sesión "Smart surfaces"
Type of activity: Organización en Conferencias **Geographical area:** Non EU International
City of event: Estambul, Turkey
Convening entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS) **Type of entity:** Organismo Internacional
City convening entity: Estambul, Turkey
Type of participation: Organiser
Nº assistants: 100
Start-End date: 17/06/2013 - 20/06/2013 **Duration:** 4 days

R&D management

- 1** **Name of the activity:** Coordinador del Servicio de Producción e Innovación Digital
Type of management: Management of R&D&I actions and projects
Performed tasks: Coordinador Técnico
Entity: Universidad de Salamanca
Start date: 28/02/2020
Type of entity: University
Duration: 4 years
- 2** **Name of the activity:** Chair of TERMIS-AP Student and Young Investigator Section (SYIS)
Type of management: Management of organised events
Performed tasks: Presidente
Entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS)
Start date: 01/01/2015
Geographical area: Non EU International
Type of entity: Org. Internacional
Duration: 3 years

Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Revisor de artículos
Performed tasks: Revisión de artículos para MDPI
Entity where activity was carried out: MDPI
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition
Start-End date: 01/01/2022 - 31/12/2022
Frequency of the activity: 2
Geographical area: Non EU International
- 2** **Performed tasks:** Revisión de artículos para Applied Sciences (MDPI)
Type of activity: Review of articles in scientific or technological journals
Start-End date: 01/01/2020 - 01/12/2020
Frequency of the activity: 2
- 3** **Name of the activity:** Evaluación de Proyectos de Investigación
Performed tasks: Evaluador Externo de Concurso Anual de Proyectos 'CAP 2020 de la PUCP
Entity where activity was carried out: Pontificia Universidad Católica del Perú (PUCP)
City of entity: Lima, Peru
Type of activity: Revisor Externo
Access system: Designated by the corresponding party without competition
Start-End date: 25/07/2019 - 07/09/2019
Type of entity: University
Geographical area: Non EU International
- 4** **Name of the activity:** Evaluación de Proyectos de Investigación
Performed tasks: Evaluador Externo Concurso Anual de Proyectos 'CAP 2017 de la PUCP
Entity where activity was carried out: Pontificia Universidad Católica del Perú (PUCP)
City of entity: Lima, Peru
Type of activity: Revisor Externo
Geographical area: Non EU International



Access system: Designated by the corresponding party without competition

Start-End date: 25/07/2016 - 07/09/2016

- 5 Performed tasks:** Revisión de artículos para Bioengineering (MDPI)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start date: 05/2019
- 6 Performed tasks:** Revisión de artículos para Nanomaterials (MDPI)
Type of activity: Review of articles in scientific or technological journals
Start date: 01/2019
- 7 Performed tasks:** Revisión de artículos para Sustainability (MDPI)
Type of activity: Review of articles in scientific or technological journals
Start date: 12/2018
- 8 Performed tasks:** Revisión de artículos para Applied Mathematical Modelling (Springer)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start date: 09/2018
- 9 Performed tasks:** Revisión de artículos para International Journal of Molecular Sciences (MDPI)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 2
Start date: 09/2018
- 10 Performed tasks:** Revisión de artículos para Molecules (MDPI)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start date: 09/2018
- 11 Performed tasks:** Revisión de artículos para Polymers (MDPI)
Type of activity: Review of articles in scientific or technological journals
Start date: 08/2017
- 12 Performed tasks:** Revisión de artículos para Materials (MDPI)
Type of activity: Review of articles in scientific or technological journals
Start date: 07/2017
- 13 Performed tasks:** Revisión de artículos para Journal of Intelligent Manufacturing (Springer)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start date: 05/2017
- 14 Performed tasks:** Revisión de artículos para Construction and Building Materials (Springer)
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 6
Start date: 10/2015

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Fundación Investigación Hospital General Universitario Valencia **Type of entity:** University Research Institute
Faculty, institute or centre: Hospital General Universitario de Valencia
City of entity: Valencia, Valencian Community, Spain
Start-End date: 15/06/2020 - 15/12/2020 **Duration:** 6 months
Goals of the stay: Guest
Provable tasks: Investigación y desarrollo tecnológico
- 2** **Entity:** Harvard University **Type of entity:** University
Faculty, institute or centre: Wyss Institute
City of entity: Boston, United States of America
Start-End date: 15/06/2019 - 15/12/2019 **Duration:** 6 months
Funding entity: Universidad de Salamanca **Type of entity:** University
Goals of the stay: Guest
- 3** **Entity:** Harvard University **Type of entity:** University
Faculty, institute or centre: Wyss Institute
City of entity: Boston, United States of America
Start-End date: 01/05/2017 - 31/08/2018 **Duration:** 1 year - 4 months
Funding entity: Academy of Finland **Type of entity:** State agency
City funding entity: Helsinki, Finland
Goals of the stay: Post-doctoral
- 4** **Entity:** Waseda University. Tokyo Women's Medical University **Type of entity:** University
Faculty, institute or centre: Institute of Adv. Biomedical Engineering and Science.
City of entity: Tokyo, Japan
Start-End date: 01/06/2014 - 31/08/2016 **Duration:** 2 years - 3 months
Goals of the stay: Post-doctoral
Provable tasks: Investigación
- 5** **Entity:** University of Helsinki **Type of entity:** University Research Institute
Faculty, institute or centre: Centre of Drug Research (CDR)
City of entity: Helsinki, Etelä-Suomi, Finland
Start-End date: 01/06/2013 - 31/08/2013 **Duration:** 3 months
Goals of the stay: Post-doctoral
Provable tasks: Investigación
- 6** **Entity:** Universitat de València **Type of entity:** University
Faculty, institute or centre: Centro de Investigación Príncipe Felipe
City of entity: Valencia, Valencian Community, Spain
Start-End date: 01/10/2012 - 31/12/2012 **Duration:** 3 months
Goals of the stay: Guest
Provable tasks: Investigación, training



- 7** **Entity:** Aalto University **Type of entity:** University
Faculty, institute or centre: Helsinki Institute for Information Technology (HIIT)
City of entity: Helsinki, Etelä-Suomi, Finland
Start-End date: 01/06/2012 - 31/08/2012 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Investigación
- 8** **Entity:** Aalto University **Type of entity:** University
Faculty, institute or centre: Helsinki Institute for Information Technology (HIIT)
City of entity: Helsinki, Etelä-Suomi, Finland
Start-End date: 01/06/2011 - 31/08/2011 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Investigación

Obtained grants and scholarships

- 1** **Name of the grant:** JSPS Postdoctoral Fellowships for Overseas Researchers
Identify key words: Biomedicine
Aims: Post-doctoral
Awarding entity: Japan Society for the Promotion of Science (JSPS) **Type of entity:** Associations and Groups
Amount of the grant: 20.000 €
Conferral date: 2014 **Duration:** 1 year
End date: 2015
Entity where activity was carried out: Tokyo Women's Hospital University
Faculty, institute or centre: ABMEs
- 2** **Name of the grant:** Erasmus, Teaching Mobility
Aims: Post-doctoral
Awarding entity: European Union **Type of entity:** European Commission
Conferral date: 28/05/2012 **Duration:** 7 days
End date: 01/06/2012
Entity where activity was carried out: Universitatea V. Alecsandri Din Bacau
Faculty, institute or centre: Catedra Utilaje de Proces, Ingineria Mediului si Inginerie Fizica
- 3** **Name of the grant:** Erasmus, Teaching Mobility
Aims: Post-doctoral
Awarding entity: European Union **Type of entity:** European Commission
Conferral date: 07/05/2012 **Duration:** 7 days
End date: 11/05/2012
Entity where activity was carried out: Universita di Bologna
Faculty, institute or centre: DIEM. Department of Mechanical building Engineering, Nuclear, Aeronautic and Metallurgic

Other types of collaboration with researchers or technologists

Type of relationship: Participation in long term collaboration agreements between bodies
Name principal investigator (PI, Co-PI...): Raquel Galvez Balaguer; Andres Sanz Garcia
Description of the collaboration: Convenio de Colaboración Científica entre la Fundación Hospital General Universitario de Valencia y la Universidad de Salamanca
Participating entity/entities:
Universidad de Salamanca **Type of entity:** University
FUNDACION HOSPITAL GENERAL **Type of entity:** Foundation
UNIVERSITARIO DE VALENCIA
City participating entity: Valencia, Valencian Community, Spain
Start date: 20/01/2021 **Duration:** 4 years

Scientific societies and professional associations

- 1 Name of the society:** Colegio Oficial de Ingenieros Industriales de Aragon y Rioja
City: Zaragoza, Aragon, Spain
Affiliation entity: Colegio Oficial de Ingenieros Industriales de Aragon y Rioja **Type of entity:** Associations and Groups
City affiliation entity: Zaragoza, Aragon, Spain
Start-End date: 2002 - 2020
- 2 Name of the society:** Japanese Society for Regenerative Medicine (JSRM)
Affiliation entity: Japanese Society for Regenerative Medicine (JSRM) **Type of entity:** Associations and Groups
City affiliation entity: Tokyo, Japan
Start-End date: 01/01/2014 - 01/01/2016
- 3 Name of the society:** Colegio Oficial de Ingenieros Técnicos Industriales de La Rioja
City: Logroño, La Rioja, Spain
Affiliation entity: Colegio Oficial de Ingenieros Técnicos Industriales de La Rioja **Type of entity:** Associations and Groups
City affiliation entity: Logroño, La Rioja, Spain
Start-End date: 1999 - 2012
- 4 Name of the society:** Asociación Española de Ingeniería Mecánica: AEIM
Affiliation entity: Universidad Carlos III de Madrid
City affiliation entity: Madrid, Community of Madrid, Spain
Start date: 27/02/2023
- 5 Name of the society:** Sociedad de Transplantes de la Comunidad Valenciana (SCTV)
Affiliation entity: Sociedad de Transplantes de la Comunidad Valenciana **Type of entity:** Associations and Groups
City affiliation entity: Valencia, Valencian Community, Spain
Start date: 2013



- 6** **Name of the society:** Tissue Engineering and Regenerative Medicine International Society (TERMIS)
Affiliation entity: Tissue Engineering and Regenerative Medicine International Society (TERMIS) **Type of entity:** Associations and Groups
City affiliation entity: San Ramon, United States of America
Start date: 2012

Prizes, mentions and distinctions

- 1** **Description:** Premio Vivero Universitario de Promotores Empresariales de Castilla y León
Awarding entity: Fundación Universidades y Enseñanzas Superiores de Castilla y León (FUESCYL) **Type of entity:** Foundation
City awarding entity: Salamanca, Castile and León, Spain
Conferral date: 04/05/2022
- 2** **Description:** Premio concurso Campus Emprendedor de la Junta de Castilla y León
Awarding entity: Junta de Castilla y León **Type of entity:** Gobierno
City awarding entity: Salamanca, Castile and León, Spain
Conferral date: 01/02/2022
- 3** **Description:** Premios Promoción de la Investigación 2022 - Consorcio Hospital General Universitario de Valencia
Awarding entity: Consorcio Hospital General Universitario de Valencia **Type of entity:** Healthcare Institutions
City awarding entity: Valencia, Valencian Community, Spain
Conferral date: 01/02/2022
- 4** **Description:** Premios Promoción de la Investigación 2021 - Consorcio Hospital General Universitario de Valencia
Awarding entity: Consorcio Hospital General Universitario de Valencia **Type of entity:** Healthcare Institutions
City awarding entity: Valencia, Valencian Community, Spain
Conferral date: 01/02/2021
- 5** **Description:** Premios Promoción de la Investigación 2020 - Consorcio Hospital General Universitario de Valencia
Awarding entity: Consorcio Hospital General Universitario de Valencia **Type of entity:** Healthcare Institutions
City awarding entity: Valencia, Valencian Community, Spain
Conferral date: 01/02/2020
Recognition linked: Premio de 12.000 €
- 6** **Description:** Premio Extraordinario de Doctorado Convocatoria 2014. Ciencias
Awarding entity: Universidad de La Rioja **Type of entity:** University
City awarding entity: Logroño, La Rioja, Spain
Conferral date: 03/12/2014
- 7** **Description:** Previo Innovación 2010: EDMANS (categoría grupo de investigación)
Awarding entity: Fundacion Riojana para la Innovacion **Type of entity:** Foundation



City awarding entity: Logroño, La Rioja, Spain

Conferral date: 29/11/2010

Periods of research activity and knowledge transfer

Geographical area: National

Certifying entity: Agencia Nacional de Evaluación de la Calidad y Acreditación

Type of entity: State agency

Date of recognition: 01/07/2023

Obtained accreditations/recognitions

- 1 Description:** Acreditación para Profesor Ayudante Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Date of recognition: 17/09/2013
Type of entity: Nacional
- 2 Description:** Acreditación para Profesor Contratado Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Date of recognition: 17/09/2013
Type of entity: Nacional
- 3 Description:** Acreditación para Profesor de Universidad Privada
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Date of recognition: 17/09/2013
Type of entity: State agency