Research projects

Research Projects

2021

Project Title: *Machine Learning and Big Data Multi-Omic Approach: Personalized Medicine*
Code: PI20/00711
Project Scope: National
Funding Program: Health Research Projects. Strategic Action in Health 2017-2020
Financing Entity: Ministry of Science and Innovation. Carlos III Health Institute
Project Leader: Jesús Alcalá
Start Date: 01/01/2021
End Date: 31/12/2023

2020

Setting the Ground for a Multi-Level Approach on Developing Soft Skills in Higher Education

Code: 2020-1-CY01-KA203-065985
Project Scope: European
Funding Program: Erasmus+
Financing Entity: European Commission
Project Leader: [Not specified]
Start Date: 01/12/2020
End Date: 30/09/2023

Functional Quality of Digital Models of Terrain Elevations in Engineering

Code: PID2019-106195RB-I00
Project Scope: National
Funding Program: "R&D Challenges" Research Projects Call, State Program for Scientific and Technological Research 2017-2020
Financing Entity: Ministry of Science, Innovation, and Universities
Start Date: 01/06/2020
End Date: 31/05/2023

Virtual Reality and Real Virtuality: A Proposal for Research and Dissemination of Archaeological and Paleontological Heritage from ORCE

Code: A-HUM-016-UGR18
Project Scope: Regional (Andalusia)
Funding Program: FEDER Operational Program 2014-2020 (Resolution of March 23, 2018)
Financing Entity: Government of Andalusia
Start Date: 01/01/2020
End Date: 31/12/2022

Platform for the Comprehensive Management of Information on Iberian Vessels for Research, Teaching, and Dissemination

Code: IEG_UJA_70AE
Project Scope: [Not specified]
Funding Program: Research Projects Call aimed at individuals, Universities, and Research Centers in the field of "Humanities and Artistic Expression"
Financing Entity: Institute of Giennese Studies - Provincial Council of Jaén
Start Date: 23/10/2020
End Date: 22/10/2021

Clinical Applications of Modeling Brain Activity Complexity Based on Electroencephalogram: Default Network and Consciousness

Code: PID2019-105145RB-I00
Project Scope: [Not specified]
Funding Program: 2019 Call for "R&D&i Projects" under the State Programs for Knowledge Generation and Scientific and Technological Strengthening of the R&D&i System and R&D&i for Societal Challenges, State Plan for Scientific and Technical Research and Innovation 2017-2020
Financing Entity: Ministry of Science, Innovation, and Universities
Start Date: 01/06/2020
End Date: 31/05/2023

Geographic Information Capture Using Low-Cost Redundant Mobile Sensors. Application to Intelligent Territory Management

Code: UJA
Project Scope: Regional (Andalusia)
Funding Program: Andalusia FEDER Operational Program 2014-2020
Financing Entity: University of Jaén
Start Date: 01/01/2020
End Date: 31/12/2021

Evaluation Models of the Railway Emergency Plan Considering the Prioritization and Synergy of Action Alternatives

Identity Code: 71971182
Financing Entity: National Natural Science Foundation of China
Co-Principal Investigator: Luis Martínez López
Duration: January 2020 - December 2023

Towards Intelligent, Explainable, and Accurate Knowledge Extraction in Complex Problems

Code: PID2019-107793GB-I00
Project Scope: National
Funding Program: Ministry of Science and Innovation
Project Leaders: María José Del Jesus-Díaz, Antonio Jesús Rivera-Rivas
Start Date: 01/06/2020
End Date: 01/06/2023

Explainability of Artificial Intelligence for Intelligent Data Analysis: Applications in Health and IoT Problems

Code: P18-RT-2248
Project Scope: Regional (Andalusia)
Funding Program: R&D&I Projects, FEDER 2014-2020 Operational Program, Andalusian Research, Development, and Innovation Plan (PAIDI) 2020
Financing Entity: Andalusian Knowledge Agency, Ministry of Economy, Knowledge, Companies, and University, Government of Andalusia
Project Leader: Jesús Alcalá
Start Date: 01/01/2020
End Date: 31/12/2022

Advanced Charging for Electric Cars: Wireless and Coordinated Control for Realistic V2G Operations

Code: PID2019-110531RA-I00
Project Scope: National
Funding Program: CHALLENGES 2019
Financing Entity: Ministry of Science and Innovation
Project Leader: [Not specified]
Start Date: 01/06/2020
End Date: 01/06/2023

Signal Processing Techniques Applied to the Separation, Detection, and Classification of Cardiopulmonary and/or Pulmonary Sounds

Financing Entity: FEDER - Government of Andalusia - University of Jaén
Project Reference: 1257914
Project Type: Regional
Participating Entities: University of Jaén

Duration: 2 years
Execution Period: January 2020 - December 2021
Principal Investigator: Francisco Jesús Cañadas Quesada
Number of Participating Researchers: 13
Research Line: Biomedical Signal Analysis

Research and Development of Signal Processing Algorithms to Improve Medical Diagnosis Reliability Through Auscultation Signals

Financing Entity: Ministry of Economy, Knowledge, and Universities, Government of Andalusia
Project Reference: P18-RT-1994
Project Type: Regional
Participating Entities: University of Jaén
Duration: 3 years
Execution Period: January 2020 - December 2022
Principal Investigator: Francisco Jesús Cañadas Quesada
Number of Participating Researchers: 13
Research Line: Biomedical Signal Analysis

Optimization of Energy Sustainability in Cloud Computing Centers Using Expert Planning with Interpretability Analysis

Financing Entity: Ministry of Economy, Knowledge, and Universities, Government of Andalusia
Project Reference: P18-RT-4046
Project Type: Regional
Participating Entities: University of Jaén
Duration: 3 years
Execution Period: January 2020 - December 2022
Principal Investigator: Sebastián García Galán
Number of Participating Researchers: 6
Research Line: Artificial Intelligence Applied to Engineering

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Intelligent Estimation of Risk Levels for Severe Arrhythmias Caused by the Combination of Drugs Indicated for COVID-19

Financing Entity: Ministry of Economy, Knowledge, and Universities, Government of Andalusia
Project Reference: CV-20-84873
Project Type: Regional
Participating Entities: University of Jaén
Duration: 1 year
Execution Period: November 2020 - November 2021
Principal Investigator: Sebastián García Galán
Number of Participating Researchers: 12
Research Line: Artificial Intelligence Applied to Engineering / Biomedical Signal Analysis

2019

PLN.NET: Network for the Promotion of Natural Language Processing Technologies

Code: TIN2016-81739-REDT
Project Scope: [Not specified]
Funding Program: Research Network Promotion Actions
Financing Entity: Ministry of Economy, Industry, and Competitiveness
Project Leader: [Not specified]
Start Date: 01/11/2019
End Date: [Not specified]

Support for the Initiation of Knowledge Transfer and Innovation Instrumentalized Through Our Students

Code: 2019/00044/001
Project Scope: Regional (Andalusia)
Funding Program: Promotion of R&D&I Activity
Financing Entity: University of Jaén
Project Leader: Rafael Jesús Segura-Sánchez
Start Date: 16/03/2019
End Date: 15/07/2020

Human Language Technologies for Living Digital Entities (LIVING-LANG)

Code: [Not specified]
Project Scope: National
Funding Program: National Plan, State Program for R&D&I Oriented to Societal Challenges
Financing Entity: Ministry of Science, Innovation, and Universities
Project Leader: Alfonso Ureña-López
Start Date: 01/01/2019
End Date: 31/12/2021

Human Language Technologies for Living Digital Entities (LIVING-LANG)

Code: RTI2018-094653-B-C21
Project Scope: National
Funding Program: National Plan, State Program for R&D&I Oriented to Societal Challenges
Financing Entity: Ministry of Science, Innovation, and Universities
Project Leader: Alfonso Ureña-López
Start Date: 01/01/2019
End Date: 31/12/2021

TIC Equipment Plan for Promoting Activities in the Research Field of the Involved Groups

Code: Project Reference: EQC2018-004716-P
Project Scope: National
Funding Program: Acquisition of Scientific and Technical Equipment under the State Program for Research Infrastructure and Scientific and Technical Equipment (State Plan for R&D&I 2017-2020)
Financing Entity: Ministry of Science, Innovation, and Universities - FEDER
Project Leaders: Francisco Ramón Feito-Higueruela, Alfonso Ureña-López
Start Date: 01/01/2019
End Date: 31/12/2020

Integration of Vulnerable Groups through the University of Ngozi, Burundi

Code: BOP 122, June 27, 2018
Project Scope: International
Funding Program: Provincial Fund for Solidarity and Development Aid for Cooperation and Development Projects. 2018
Financing Entity: Provincial Council of Jaén
Start Date: 01/01/2019
End Date: 31/12/2019

Intelligent Decision Making Under Uncertainty. New Approaches for Versatile Applications

Identity Code: PGC2018-099402-B-I00
Financing Entity: Ministry of Economy and Competitiveness
Project Leaders: Luis Martínez López, Rosa Mª Rodríguez Domínguez
Start Date: January 2019
End Date: December 2021

Strategies for Large-Scale Processing and Segmentation of Large Point Clouds. Applications (SPS-LIDAR)

Code: RTI2018-099638-B-I00
Project Scope: National
Funding Program: 2018 R&D&I Projects Call - Research Challenges 2018
Financing Entity: Ministry of Science, Innovation, and Universities
Start Date: 01/01/2019
End Date: 31/12/2021

TIC Equipment Plan for Promoting Activities in the Research Field of the Involved Groups

Code: Project Reference: EQC2018-004716-P
Project Scope: National
Funding Program: Acquisition of Scientific and Technical Equipment under the State Program for Research

Infrastructure and Scientific and Technical Equipment (State Plan for R&D&I 2017-2020)
Financing Entity: Ministry of Science, Innovation, and Universities - FEDER
Project Leaders: Francisco Ramón Feito-Higueruela, Alfonso Ureña-López
Start Date: 01/01/2019
End Date: 31/12/2020

New Methodologies for the Exploration, Study, and Monitoring of Cavities in the Province of Jaén

Project Scope: Regional (Andalusia)
Funding Program: Research Projects from the Institute of Giennese Studies
Financing Entity: Institute of Giennese Studies
Start Date: 01/01/2019
End Date: 26/10/2019

Pharaon Project "Pilots for Healthy and Active Ageing"

Code: 857188 2020
Funding Program: European Commission - H2020 - EU.1.3.3. - Smart and Healthy Living at Home
Financing Entity: European Commission
Project Leader: Macarena Espinilla Estévez
Start Date: 01/12/2019
End Date: 30/11/2022

RTI2018-098979-A-I00: Intelligent Decision System Based on Activity Recognition in the Operational Environment of Aging

Funding Program: State Program for R&D&I Oriented to Societal Challenges
Financing Entity: Ministry of Science, State Research Agency, Ministry of Science, Innovation, and Universities
Project Leader: Macarena Espinilla Estévez
Start Date: 01/01/2019
End Date: 31/12/2021

2019/CL075: Test Benches for Evaluating Social Awareness in Assistive Robotics

Funding Program: Research Challenges 2018
Financing Entity: MICINN
Start Date: 01/01/2019
End Date: 31/12/2021
Total Amount: €47,738.00
Status: Active

2018

Collaborative Research Contract for Activities Carried Out Under Framework Partnership Agreement GSA/GRANT/04/2016

- **Code**: GSA/GRANT/04/2016/SG1 WFID: 241479 (EUROPEAN GNSS AGENCY)
- **Project Scope**: International
- **Funding Program**: GSA/GRANT/04/2016
- **Financing Entity**: Galileo Support Agency
- **Start Date**: 21/12/2018
- **End Date**: 30/09/2019

Proposal for the Adoption of Methodologies and Procedures Used for Evaluating Geographic Information Quality for the Member States of the IPGH

- **Code**: IPGH 2010-2020
- **Project Scope**: International
- **Funding Program**: Pan American Technical Assistance Projects 2018 IPGH 2010-2020 Agenda
- **Financing Entity**: Pan American Institute of Geography and History
- **Responsible**: Edison Rojas (University of the Republic, Uruguay)
- **Start Date**: 08/01/2018
- **End Date**: 28/12/2018
- **Responsible**: Jorge Rosas-Berton

Mobility Stays for Senior Professors and Researchers in Foreign Institutions, Including the Salvador de Madariaga Program. 2017 Call

- **Code**: PRX17/00145
- **Project Scope**: National
- **Funding Program**: STATE PLAN FOR SCIENTIFIC RESEARCH, TECHNOLOGY AND INNOVATION. Modality A: Madariaga_2017
- **Financing Entity**: Ministry of Education, Culture and Sports
- **Responsible**: Mª Teresa Martín-Valdivia
- **Start Date**: 01/06/2018
- **End Date**: 31/08/2018

Integration of Vulnerable Groups Through the University of Ngozi, Burundi

- **Code**: BOP 122, 27 June 2018
- **Project Scope**: International
- **Funding Program**: Provincial Fund for Solidarity and Development Aid, for Cooperation and Development Aid Projects
- **Financing Entity**: Provincial Council of Jaén
- **Responsible**: Pilar Belart-Rodríguez
- **Start Date**: 01/01/2018
- **End Date**: 01/01/2020

Raising Awareness About Burundi: The Heart of Africa

- **Code**: BOP 126, 3 July 2018

- **Project Scope**: Regional
- **Funding Program**: 2018 Budget Application 2018.110.2310.480.05 of the Provincial Council of Jaén's Expenditure Budget
- **Financing Entity**: Provincial Council of Jaén
- **Responsible**: Pilar Belart-Rodríguez
- **Start Date**: 01/01/2018
- **End Date**: 31/12/2018

Grants for Short Stays of Research Staff in Training for Obtaining the Doctorate Degree with International Mention at Purdue University (United States)

- **Code**: Acción 5/2017_06180570EI IFS 644
- **Project Scope**: Regional
- **Funding Program**: R&D+i Support Plan of the University of Jaén. Action 5/2017
- **Financing Entity**: University of Jaén
- **Responsible**: Alejandro Graciano-Segura
- **Start Date**: 15/03/2018
- **End Date**: 30/06/2018

Financial Support for Health Costs During Stay at Purdue University West Lafayette (United States)

- **Code**: Acción 5 Bis/2017_06180570EI IFS 644
- **Project Scope**: Regional

- **Funding Program**: R&D+i Support Plan of the University of Jaén. Action 5 Bis/2017
- **Financing Entity**: University of Jaén
- **Responsible**: Alejandro Graciano-Segura
- **Start Date**: 15/03/2018
- **End Date**: 30/06/2018

Grants for Visits by Research Staff from Other Institutions to the University of Jaén: Visit of Mr. Mario Parra Rodríguez from Heriol-Walt University, Psychology, Edinburgh (Scotland)

- **Code**: Acción 2/2017_06.18.05.70. EI IFS 644
- **Project Scope**: Regional
- **Funding Program**: R&D+i Support Plan of the University of Jaén. Action 2/2017
- **Financing Entity**: University of Jaén
- **Responsible**: Francisco Ramon Feito-Higueruela
- **Start Date**: 04/02/2018
- **End Date**: 07/02/2018

Graphics Computing Tools for Managing 3D and 4D Data. Applying VR & AR Techniques to Urban Infrastructure and Archaeology

- **Code**: TIN2017-84968-R
- **Project Scope**: National
- **Funding Program**: State R&D+i Program Oriented to Societal Challenges

- **Financing Entity**: Ministry of Science and Innovation
- **Start Date**: 01/01/2018
- **End Date**: (Ongoing)

Graphics Computing Tools for Managing 3D and 4D Data. Applying VR & AR Techniques to Urban Infrastructure and Archaeology

- **Code**: TIN2017-84968-R
- **Project Scope**: National
- **Funding Program**: NATIONAL R&D+i PLAN. MINECO_Challenges_2017
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Francisco Ramon Feito-Higueruela, Lidia Ortega-Alvarado
- **Start Date**: 01/01/2018
- **End Date**: 31/12/2021

Digital Transformation and the Free Practice of the Profession as a Path to Self-Employment

- **Code**: 01
- **Project Scope**:
- **Funding Program**: Entrepreneurial Culture Promotion Projects
- **Financing Entity**: University of Jaén
- **Responsible**:

- **Start Date**: 06/02/2018

- **End Date**: 18/05/2018

TIN2015-65686-C5-2-R Audio-Visual Interactions for Social Robots in Smart Homes (III)

- **Funding Program**: State Program for Research, Development, and Innovation Oriented to Societal Challenges

- **Financing Entity**: Ministry of Economy and Competitiveness

- **Start Date**: 01/01/2018

- **End Date**: 31/12/2018

2017

Asistencia al OLEA R&D Project Networking Event (Bruselas 29 de Junio 2017)

- Code: Acción 8_2017_2017/00723/001
- Project scope: Autonómica
- Funding program: PLAN DE APOYO A LA I+D+I DE LA UNIVERSIDAD DE JAÉN. Acción 8_2017
- Financing entity: Universidad de JAEN
- Responsable: Martín-Valdivia, Mª Teresa
- Start date: 28/06/2017
- End date: 30/06/2017

Estancia en la Vrije Universiteit Amsterdam

- Code: EST16/00529
- Project scope: Nacional
- Funding program: PLAN ESTATAL DE INVESTIGACIÓN CIENTÍFICA.TÉCNICA Y DE INNOVACIÓN (2016). Subprograma Estatal de Movilidad. MECD
- Financing entity: MINISTERIO DE EDUCACION, CULTURA Y DEPORTE
- Responsable: Jiménez-Zafra, Salud María
- Start date: 01/06/2017
- End date: 31/07/2017

Primeras ocupaciones humanas y contexto paleoecológico a partir de los depósitos pliopleistocenos de la cuenca Guadix-Baza. Zona arqueológica de la cuenca de Orce (Granada, España)

- Code: B120489SV18BC
- Project scope: Autonómica
- Funding program: Proyecto General de Investigación (2017)
- Financing entity: Consejería de Cultura, Junta de Andalucía
- Start date: 01/05/2017
- End date: 30/04/2021

Empoderamiento de la Universidad de Ngozi, Motor de Cambio en la Región de Ngozi

- Code: BOP 118, de 22 de junio de 2017
- Project scope: Internacional
- Funding program: Fondo Provincial para la Solidaridad y la Ayuda al Desarrollo, para Proyectos de Cooperación y Ayuda al Desarrollo. Ejercicio 2017
- Financing entity: Diputación Provincial de Jaén
- Responsable: Belart-Rodríguez, Pilar
- Start date: 01/01/2017
- End date: 31/12/2018

Asistencia técnica para el seguimiento, evaluación y revisión del Plan Estratégico de la Universidad de Ngozi (Burundi)

- Code: Resolución del Vicerrectorado de Proyección de la Cultura, Deportes y Responsabilidad Social, de 9 de diciembre de 2016. Universidad de Jaén
- Project scope: Internacional
- Funding program: Universidad de Jaén
- Financing entity: Universidad de Jaén
- Responsable: Ariza-López, Francisco Javier
- Start date: 01/01/2017
- End date: 29/06/2018

Adercándonos a Burundi, el país más triste del mundo

- Code: BOP 132 del 12 de julio 2017
- Project scope: Autonómica
- Funding program: Aplicación Presupuestaria 2017.110.2310.480.05 del presupuesto de gastos de la Diputación Provincial de Jaén
- Financing entity: Diputación Provincial de Jaén
- Responsable: Belart-Rodríguez, Pilar
- Start date: 01/01/2017
- End date: 31/12/2017

Mejora de la fertilidad y la calidad de los suelos a partir de recursos naturales locales (zona de Ngozi, Burundi)

- Code: Resolución del Vicerrectorado de Proyección de la Cultura, Deportes y Responsabilidad Social, de 9 de diciembre de 2016. Universidad de Jaén
- Project scope: Internacional
- Funding program: Ayudas propias de la Universidad de Jaén para la Cooperación Internacional y Educación para el Desarrollo
- Financing entity: Universidad de Jaén
- Start date: 01/01/2017
- End date: 31/12/2017

APOYO A LAS ESTRUCTURAS DE INVESTIGACIÓN. ACCIÓN 1 PAIUJA 2017 2018: TIC209

- Code: Acción 1_2017_TIC209_2017
- Project scope: Autonómica
- Funding program: PLAN DE APOYO A LA I+D+I DE LA UNIVERSIDAD DE JAÉN. Acción 1_2017
- Financing entity: Universidad de JAEN
- Responsable: Ureña-López, L. Alfonso
- Start date: 01/01/2017
- End date: 31/12/2018

Ayudas para contratos Torres Quevedo (PTQ) 2016

- Code: PTQ-16-08419
- Project scope: Nacional
- Funding program: Programa Estatal de Promoción del Talento y su Empleabilidad
- Financing entity: : Ministerio de Economía, Industria y Competitividad
- Start date: 01/11/2017
- End date:

Ayudas a grupos o equipos de investigación para la preparación y presentación de proyectos colaborativos

- Code: 2017/00421/001
- Funding program: Fomento Actividad I+D+i
- Financing entity: Universidad de Jaén
- Responsable: Segura-Sánchez, Rafael Jesús
- Start date: 19/07/2017
- End date: 31/03/2018

APOYO A LAS ESTRUCTURAS DE INVESTIGACIÓN. ACCIÓN 1 PAIUJA 2017 2018: TIC144

- Code: Acción 1_2017_TIC144_2017
- Project scope: Autonómica
- Funding program: PLAN DE APOYO A LA I+D+I DE LA UNIVERSIDAD DE JAÉN. Acción 1_2017
- Financing entity: Universidad de JAEN
- Responsable: Feito-Higueruela, Francisco Ramon
- Start date: 01/01/2017
- End date: 31/12/2018

Uso de técnicas computacionales para mejorar el cumplimiento de los recordatorios en entornos inteligentes

- Identity code: 734355
- Financing entity: Comisión Europea, MSCA-RISE - Intercambio de personal de investigación e innovación Marie Sk?odowska-Curie (RISE)
- Responsable: Chris Nugent
- Responsable local: Macarena Espinilla-Estévez, Luis Martínez López
- Time: Enero 2017 - Diciembre 2020

APOYO A LAS ESTRUCTURAS DE INVESTIGACIÓN. ACCIÓN 1 PAIUJA 2017 2018: TIC220

- Code:Acción 1_2017_TIC220_2017
- Project scope:Autonómica
- Funding program:PLAN DE APOYO A LA I+D+I DE LA UNIVERSIDAD DE JAÉN. Acción 1_2017
- Financing entity:Universidad de JAEN
- Responsable:Cañada-Bago, Joaquin
- Start date:01/01/2017
- End date:31/12/2018

734355 The use of computational techniques to Improve compliance to reminders within smart environments

- Funding program: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge
- Financing entity: Comisión Europea
- Responsable: Espinilla Estévez, Macarena
- Start date: 01/01/2017
- End date: 31/12/2020

2016

Grants: Action 2/2015 - Individual Researcher

- **Code**: Acción 2_2016/00149/001

- **Project Scope**: Regional

- **Funding Program**: I+D+I Support Plan of the University of Jaén. Action 2_2015_Individual

- **Financing Entity**: University of Jaén
- **Responsible**: Ureña-López, L. Alfonso
- **Start Date**: 23/05/2016
- **End Date**: 23/05/2016

Mobility Stays for Senior Professors and Researchers in Foreign Institutions, including the Salvador de Madariaga Program. Call 2015

- **Code**: PR2015/00080
- **Project Scope**: National
- **Funding Program**: State Plan for Scientific, Technical, and Innovation Research. Modalidad A: Madariaga_2015
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Martín-Valdivia, Mª Teresa
- **Start Date**: 01/05/2016
- **End Date**: 31/07/2016

Recognition of Digital Entities: Enrichment and Monitoring through Language Technologies (REDES)

- **Code**: TIN2015-65136-C2-1-R
- **Project Scope**: National
- **Funding Program**: National Plan. State Program for R&D&i Focused on Societal Challenges
- **Financing Entity**: Ministry of Economy and Competitiveness

- **Responsible**:
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

REDES: Recognition of Digital Entities: Enrichment and Monitoring through Language Technologies

- **Code**: TIN2015-65136-C2
- **Project Scope**: National
- **Funding Program**: National Plan. State Program for R&D&i Focused on Societal Challenges
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**:
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

Recognition of Digital Entities: Enrichment and Monitoring through Language Technologies

- **Code**: 2016/00114
- **Project Scope**: National
- **Funding Program**: National R&D&i Plan. MINECO: R&D&i Projects Challenges 2015
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Martín-Valdivia, Mª Teresa; Ureña-López, L. Alfonso
- **Start Date**: 01/01/2016

- **End Date**: 31/12/2018

Statistical Modeling of Confusion Matrices in IG Quality

- **Code**: CTM2015-68276-R
- **Project Scope**: National
- **Funding Program**: National R&D&i Plan. MINECO: R&D&i Projects Challenges 2015
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Alba-Fernández, Mª Virtudes
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

MEMCALIG: Statistical Modeling of Confusion Matrices in IG Quality

- **Code**: CTM2015-68276-R
- **Project Scope**: National
- **Funding Program**: National R&D&i Plan. MINECO: R&D&i Projects Challenges 2015
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

Strengthening the University of Ngozi in Burundi, A Beacon for Peace and Integration

- **Code**: BOP 119 of June 23, 2016

- **Project Scope**: International
- **Funding Program**: Provincial Fund for Solidarity and Development Aid, for Cooperation and Development Aid Projects. 2016 Exercise.
- **Financing Entity**: Provincial Council of Jaén
- **Responsible**: Belart-Rodríguez, Pilar
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2017

Strengthening the University of Ngozi in Burundi: A Beacon for Peace and Multi-Ethnic Integration

- **Code**: BOP 130 of July 9, 2015
- **Project Scope**: International
- **Funding Program**: Provincial Fund for Solidarity and Development Aid, for Cooperation and Development Aid Projects. 2015 Exercise.
- **Financing Entity**: Provincial Council of Jaén
- **Responsible**: Belart-Rodríguez, Pilar
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2016

Diagnosis of the Current Situation of Methodologies and Procedures Used for Evaluating Geographic Information Quality in the Member States of the Pan American Institute of Geography

- **Code**: IPGH 2010-2020
- **Project Scope**: International

- **Funding Program**: Technical Assistance Program of the Pan American Institute of Geography and History (IPGH) 2016
- **Financing Entity**: Pan American Institute of Geography and History (IPGH)
- **Responsible**: Chicaiza, Elena Gabriela
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2016

Group Grants. Action 2/2015 - Strategic Aggregation of Research Groups

- **Code**: Acción 2_2016/00126/001
- **Project Scope**: Regional
- **Funding Program**: I+D+I Support Plan of the University of Jaén. Action 2_2015_Aggregation
- **Financing Entity**: University of Jaén
- **Responsible**: Feito-Higueruela, Francisco Ramon
- **Start Date**: 01/06/2016
- **End Date**: 31/05/2017

Incentives for Excellence at the University of Jaén

- **Code**: R4/02/2016
- **Project Scope**: Regional
- **Funding Program**: Research, Technological Development, and Innovation Support Plan (2014-2015). Extended until 2016

- **Start Date**: 01/06/2016
- **End Date**: 31/05/2017

Grants for Prototype Development and Patentable Pilot Experiences

- **Code**: 2016-UJA. Grants for Prototype Development and Patentable Pilot Experiences
- **Project Scope**: Regional
- **Funding Program**: University of Jaén
- **Financing Entity**: University of Jaén
- **Responsible**: Espinilla-Estévez, Macarena
- **Start Date**: 18/03/2016
- **End Date**: 31/10/2016

Advances in Simulation and Geometric Modeling of Bone Fractures Using Fracture Patterns Based on Mechanical Experimentation

- **Code**: DPI2015-65123-R
- **Project Scope**: National
- **Funding Program**: State R&D&I Program, Aimed at Societal Challenges. Modality 1
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Jiménez-Delgado, Juan José
- **Start Date**: 01/01/2016

- **End Date**: 31/12/2019

Characterization and Modeling of Spectral Irradiances on Inclined Planes and Direct Normal Using Statistical Techniques and Artificial Intelligence

- **Code**: 2016/00224
- **Project Scope**: National
- **Funding Program**: Plurianual Activities Plans_CEAEMA. Grants for Research Projects
- **Financing Entity**: University of Jaén
- **Responsible**: Castro-Galiano, Eulogio; Nofuentes Garrido, Gustavo Eduardo
- **Start Date**: 01/07/2016
- **End Date**: 31/12/2017

Current Challenges in Data Mining: New Models for Solving Problems with Difficult Classes

- **Code**: UJA2014/06/15
- **Project Scope**: Regional
- **Funding Program**: I+D+I Support Plan (2014-2015). University of Jaén
- **Financing Entity**:
- **Responsible**: Rivera-Rivas, Antonio Jesús
- **Start Date**: 18/03/2016
- **End Date**: 31/03/2017

Data Science Models for Solving Complex Problems. Applications in Biomedicine, Biotechnology, Renewable Energy, and Business.

- **Code**: 2016/00104
- **Project Scope**: National
- **Funding Program**: National R&D&I Plan. MINECO: R&D&I Projects Challenges 2015
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Del Jesus-Diaz, María José; Gonzalez-Garcia, Pedro
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

Development of Tools in Data Mining Using Models Based on Imprecise Probabilities. Applications in Traffic Problems

- **Code**: TEC2015-69496-R
- **Project Scope**: National
- **Funding Program**: National R&D&I Research Projects, 2015 Call
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Abellán-Mulero, Joaquín; Mantas-Ruiz, Carlos Javier
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

Development of a Photovoltaic Module Based on New Optical Concepts Operating at Ultra-High Concentration (UHCPV)

- **Code**: 2016/00033
- **Project Scope**: Regional
- **Funding Program**: I+D+I Support Plan (2015). Action 7. Funding for Multidisciplinary Research Projects in Strategic Areas
- **Financing Entity**: University of Jaén
- **Responsible**: Almonacid Cruz, Florencia
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2017

Development of a Photovoltaic Module Based on New Optical Concepts Operating at Ultra-High Concentration

- **Code**: UJA2015/07/01
- **Project Scope**: Regional
- **Funding Program**: University of Jaén
- **Financing Entity**: University of Jaén
- **Responsible**:
- **Start Date**: 01/01/2016
- **End Date**: 12/12/2017

2016/00111: Audiovisual Interactions for Social Robots in Smart Homes

- **Funding Program**: National R&D&I Plan. MINECO: R&D&I Projects Challenges 2015

- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Reche López, Pedro
- **Start Date**: 01/01/2016
- **End Date**: 31/12/2018

Smart Sound Processing for Digital Living (Coordinated Project)

- **Financing Entity**: MEC (Ministry of Economy and Competitiveness)
- **Project Reference**: TEC2015-67387
- **Type of Call**: National
- **Participating Entities**: University of Jaén, Polytechnic University of Valencia, University of Oviedo, and University of Alcalá
- **Duration**: 2016-2018
- **Principal Investigator**: Alberto González Salvador
- **Number of Researchers**: 35
- **Research Line**: Source Separation, Sheet Music Tracking

Smart Sound Processing for Digital Living: Interactive Music (Subproject)

- **Financing Entity**: MEC (Ministry of Economy and Competitiveness)
- **Project Reference**: TEC2015-67387-C4-2-R
- **Type of Call**: National

- **Participating Entities**: University of Jaén
- **Duration**: 2016-2018
- **Principal Investigator**: Pedro Vera Candeas
- **Number of Researchers**: 8
- **Research Line**: Source Separation, Sheet Music Tracking

2015 or Earlier

Language Technology Resources Network

- **Code**: TIN2015-68955-REDT
- **Project Scope**: National
- **Funding Program**: State Program for Scientific Excellence Research, State Knowledge Generation Subprogram
- **Financing Entity**:
- **Responsible**: Gómez-Pérez, Asunción
- **Start Date**: 01/12/2015
- **End Date**: 30/11/2017

Tools and Models in Data Science Using Computational Intelligence. Big Data

- **Code**: TIN2014-57251-P
- **Project Scope**: National

- **Funding Program**: National R&D&i Plan, 2014 Call
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**: Herrera-Triguero, Francisco
- **Start Date**: 01/01/2015
- **End Date**: 31/12/2017

Big Data and Scalable Data Analysis

- **Code**: TIN2014-56425-REDT
- **Project Scope**: National
- **Funding Program**: Excellence Networks Dynamization Actions
- **Financing Entity**: Ministry of Economy and Competitiveness
- **Responsible**:
- **Start Date**: 01/12/2014
- **End Date**: 30/11/2017

Influence of Social Media on Ecological and Olive Oil Commercial Activity in the Jaén Cooperatives

- **Code**: 2014/00157
- **Project Scope**: Regional
- **Funding Program**: Local Financing 2014 Public/Private. R&D&I Projects
- **Financing Entity**: Institute of Giennese Studies (Provincial Council of Jaén)

- **Responsible**: Bernal-Jurado, Enrique
- **Start Date**: 29/09/2014
- **End Date**: 15/10/2015

Evolutionary Algorithms for the Extraction of Fuzzy Association Rules

- **Code**: PYR-2014-2
- **Project Scope**: Regional
- **Funding Program**: GENIL-PYR-2014 Program
- **Financing Entity**: University of Granada. GENIL
- **Responsible**: Alcalá-Fernández, Jesús
- **Start Date**: 01/04/2014
- **End Date**: 31/03/2015

Implementation and Exploitation of a Big Data Environment for Data Mining Problems

- **Code**: 2013/00098
- **Project Scope**: National
- **Funding Program**: Plurianual Activities Plans_CEATIC. Grants for Research Projects
- **Financing Entity**: University of Jaén
- **Responsible**: Gonzalez-Garcia, Pedro; Martínez-López, Luis
- **Start Date**: 15/10/2013

- **End Date**: 31/05/2015

New Problems in Data Mining: Solutions with Soft Computing Techniques

- **Code**: 2013/00009
- **Project Scope**: National
- **Funding Program**: National R&D&I Plan (2008-2011). National Program for R&D&I Projects, Strategic Health and Telecommunications Programs
- **Financing Entity**: Ministry of Science and Innovation
- **Responsible**: Del Jesus-Diaz, María José
- **Start Date**: 01/01/2013
- **End Date**: 31/12/2015