



Jésica de Armas Adrián

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Date of document: 23/10/2017

v 1.4.0

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**Jésica de Armas Adrián**

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Current professional situation

Employing entity: Universidad Pompeu Fabra **Type of entity:** University
Department: Economía y empresa, Facultad de Ciencias Económicas y Empresariales
Professional category: Tenure Track Professor
Start date: 22/09/2017
Type of contract: Temporary employment contract **Dedication regime:** Full time

Employing entity: Universitat Oberta de Catalunya **Type of entity:** University
Professional category: Tutor / Tutora
Start date: 01/10/2016

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Pompeu Fabra	Visiting Professor / Profesor visitante	22/09/2016
2	Universitat Oberta de Catalunya	Postdoc Researcher / Personal Investigador Postdoc	08/04/2015
3	FUNDACION EMPRESA-UNIVERSIDAD DE LA LAGUNA	Postdoc Researcher / Personal Investigador	23/03/2015

	Employing entity	Professional category	Start date
4	Universidad de La Laguna	Postdoc Researcher / Personal Investigador	22/11/2013
5	Universidad de La Laguna	Postdoc Researcher / Personal Investigador	27/06/2012
6	Universidad de La Laguna	Training University Teacher Fellowship Researcher / Becaria FPU	01/09/2008
7	Universidad de La Laguna	CajaCanarias Fellowship Researcher / Becaria CajaCanarias	01/03/2008
8	Universidad de La Laguna	Researcher / Personal Investigador	01/10/2007
9	Universidad de La Laguna	Collaboration Fellowship / Becaria de Colaboración	01/09/2006

- 1** **Employing entity:** Universidad Pompeu Fabra **Type of entity:** University
Department: Economía y Empresa, Facultad de Ciencias Económicas y Empresariales
Professional category: Visiting Professor / Profesor visitante
Start-End date: 22/09/2016 - 22/09/2017 **Duration:** 1 year
- 2** **Employing entity:** Universitat Oberta de Catalunya **Type of entity:** University
Professional category: Postdoc Researcher / Personal Investigador Postdoc
Start-End date: 08/04/2015 - 22/09/2016
- 3** **Employing entity:** FUNDACION EMPRESA-UNIVERSIDAD DE LA LAGUNA
Professional category: Postdoc Researcher / Personal Investigador
Start-End date: 23/03/2015 - 07/04/2015
Type of contract: Temporary employment contract
- 4** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Department: Escuela Técnica Superior de Ingeniería Informática
Professional category: Postdoc Researcher / Personal Investigador
Start-End date: 22/11/2013 - 30/09/2014
Type of contract: Temporary employment contract
Field of management activity: University
- 5** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: Postdoc Researcher / Personal Investigador
Start-End date: 27/06/2012 - 25/05/2013
- 6** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: Training University Teacher Fellowship Researcher / Becaria FPU
Start-End date: 01/09/2008 - 27/06/2012 **Duration:** 3 years - 10 months
- 7** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: CajaCanarias Fellowship Researcher / Becaria CajaCanarias
Start-End date: 01/03/2008 - 31/08/2008 **Duration:** 6 months
- 8** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: Researcher / Personal Investigador
Start-End date: 01/10/2007 - 01/01/2008 **Duration:** 3 months



- 9** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: Collaboration Fellowship / Becaria de Colaboración
Start-End date: 01/09/2006 - 01/09/2007 **Duration:** 1 year



Education

University education

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

1 University degree: Higher degree

Name of qualification: Computer Engineering / Ingeniería Informática

Degree awarding entity: Universidad de La Laguna **Type of entity:** University

Date of qualification: 07/09/2007

2 University degree: Middle degree

Name of qualification: Technical Computer Engineering / Ingeniería Técnica en Informática de Sistemas

Degree awarding entity: Universidad de La Laguna **Type of entity:** University

Date of qualification: 30/06/2005

Doctorates

Doctorate programme: Doctorate in Physics and Computer Science (European Mention and Mention of Quality)/ Doctorado en Física e Informática (Mención Europea y Mención de Calidad)

Degree awarding entity: Universidad de La Laguna **Type of entity:** University

Date of degree: 21/06/2012

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

Training title: Attendance at the Summer School of Artificial Intelligence / Asistencia a la Escuela de Verano de Inteligencia Artificial (EVIA)

Awarding entity: Asociación Española para la Inteligencia Artificial

Type of entity: Associations and Groups

End date: 05/09/2014

Duration in hours: 20 hours

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

1 Title of course/seminar: V Conference on Educational Innovation / V Jornadas de Innovación Educativa

Organising entity: Universidad de La Laguna

Type of entity: University

Duration in hours: 12 hours

Start-End date: 24/06/2014 - 25/06/2014

2 Title of course/seminar: The management of copyright in the university / La gestión de los derechos de autor en el ámbito universitario

Organising entity: Universidad de La Laguna

Type of entity: University

Duration in hours: 10 hours



Start-End date: 19/05/2014 - 20/05/2014

- 3 Title of course/seminar:** Scopus and Web of Science: Access and use tools / Scopus y Web of Science: Acceso y herramientas de uso
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 20 hours
Start-End date: 11/04/2014 - 25/04/2014
- 4 Title of course/seminar:** How to publish an article in a scientific journal and how to design and write a competitive research project / Cómo publicar una artículo en una revista científica y cómo diseñar y redactar un proyecto de investigación competitivo
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 10 hours
Start-End date: 10/04/2014 - 10/04/2014
- 5 Title of course/seminar:** How to justify the research sections and accreditation of teachers / Cómo justificar los tramos de investigación y la acreditación de profesores
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 10 hours
Start-End date: 09/04/2014 - 09/04/2014
- 6 Title of course/seminar:** III Conference on Educational Innovation / III Jornada de Innovación Educativa
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 18 hours
Start-End date: 21/05/2012 - 24/05/2012
- 7 Title of course/seminar:** Development of multimedia educational content for university teaching. Use cases ULLmedia / Elaboración de contenidos didácticos multimedia para la docencia universitaria. Casos de uso ULLmedia
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 20 hours
Start-End date: 27/02/2012 - 02/03/2012
- 8 Title of course/seminar:** Platforms for collaborative work as a teaching resource / Plataformas de trabajo colaborativo como recurso docente
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 20 hours
Start-End date: 26/04/2011 - 29/04/2011
- 9 Title of course/seminar:** Information resources for teachers in the new educational model / Los recursos de información para el profesorado en el nuevo modelo educativo
Organising entity: Universidad de La Laguna **Type of entity:** University
Duration in hours: 20 hours
Start-End date: 31/03/2011 - 15/04/2011



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English		C1	C1	C1	C1

Teaching experience

General teaching experience

- 1 Name of the course:** Métodos Cuantitativos para la toma de decisiones
University degree: Degree in Business and Management / Grado en Ciencias Empresariales y Management
Start date: 22/09/2016 **End date:** 14/07/2017
End date: 14/07/2017
Entity: Universidad Pompeu Fabra **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Económicas y Empresariales
- 2 Name of the course:** Distributed Systems / Sistemas Distribuidos
University degree: Computer Engineering / Grado en Informática
Start date: 16/09/2015 **End date:** 07/07/2017
End date: 07/07/2017
Entity: Universitat Oberta de Catalunya **Type of entity:** University
- 3 Name of the course:** Algorithms and Data Structures/ Algoritmos y Estructuras de Datos
University degree: Degree in Computer Engineering / Grado en Ingeniería Informática
Start date: 26/01/2014 **End date:** 30/04/2014
End date: 14/02/2014
Entity: Universidad de La Laguna **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 4 Name of the course:** Basis of Software Engineering/ Fundamentos de Ingeniería del Software
University degree: Degree in Computer Engineering / Grado en Ingeniería Informática
Start date: 26/01/2014 **End date:** 13/04/2014
End date: 14/02/2014
Entity: Universidad de La Laguna **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 5 Name of the course:** Basic Computing / Informática Básica
University degree: Degree in Computer Engineering / Grado en Ingeniería Informática
Start date: 01/09/2011 **End date:** 01/02/2012
End date: 01/02/2012
Entity: Universidad de La Laguna **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 6 Name of the course:** Distributed Systems Programming / Programación de Sistemas Distribuidos
University degree: Technical Computer Engineering / Ingeniería Técnica en Informática de Sistemas
Start date: 01/09/2011 **End date:** 01/02/2012



End date: 01/02/2012

Entity: Universidad de La Laguna

Type of entity: University

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

7 Name of the course: Basic Computing / Informática Básica

University degree: Degree in Computer Engineering / Grado en Ingeniería Informática

Start date: 01/09/2010

End date: 01/02/2011

End date: 01/02/2011

Entity: Universidad de La Laguna

Type of entity: University

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

8 Name of the course: Design and Analysis of Languages / Diseño y Análisis de Lenguajes

University degree: Master in Applied Computer Science / Máster en Ingeniería Informática Aplicada a la Industria, la Ingeniería del Software y a los Sistemas y Tecnologías de la Información

Start date: 01/09/2010

End date: 01/02/2011

End date: 01/02/2011

Entity: Universidad de La Laguna

Type of entity: University

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

Experience supervising doctoral thesis and/or final year projects

1 Project title: Hybrid Intelligent Algorithms in Smart City Logistics

Type of project: Doctoral thesis

Entity: Universitat Oberta de Catalunya

Type of entity: University

Student: Stephanie Alvarez Fernandez

Date of reading: 01/10/2019

2 Project title: Metaheuristic algorithms for solving the Multi-depot Arc Routing Problem

Type of project: Minor thesis

Entity: Universitat Oberta de Catalunya

Type of entity: University

Student: Patricio Page

Date of reading: 01/06/2017

3 Project title: Rich Inventory Routing Problem in the Hydrocarbon Industry

Type of project: End of course project

Entity: Universitat Oberta de Catalunya

Type of entity: University

Student: Gabriel Alemany Gimenez

Date of reading: 29/01/2016

4 Project title: Rutas de ambulancias sobre grupos de pacientes en respuesta a situaciones de emergencia

Type of project: End of course project

Entity: Universidad de La Laguna

Type of entity: University

Student: Enrique Tejera González

Date of reading: 25/09/2015

5 Project title: Simulador, basado en heurísticas y metaheurísticas, para problemas de programación de vehículos dentro de una terminal portuaria

Type of project: End of course project

Entity: Universidad de La Laguna

Type of entity: University

Student: Bruno Alessio Bibbó



Date of reading: 24/07/2015

6 Project title: Optimizing two-dimensional cutting problem using multiobjective metaheuristics / Optimización del problema de corte bidimensional mediante metaheurísticas multiobjetivo

Type of project: End of course project

Entity: Universidad de Málaga

Type of entity: University

Student: Rubén López García

Date of reading: 20/12/2009

Participation in innovative teaching projects

Project title: Laboratory Activities in Basic Computer Course of Degree in Computer Engineering / Actividades de Laboratorio de la Asignatura Informática Básica del Grado en Ingeniería Informática

Type of participation: Others

Time of working relationship: For a limited time

Funding entity: Universidad de La Laguna

Type of entity: University

Start-End date: 01/09/2010 - 01/07/2011

Duration: 1 year

Other activities/achievements not included above

Description of the activity: Taught a course of University Employment Plan / Impartición de un curso PUDE

Organising entity: Universidad de La Laguna

Type of entity: University

End date: 05/03/2010

Scientific and technological experience

Research and development groups/teams

1 Name of the group: Internet Computing & Systems Optimization (ICSO)

Type of collaboration: Co-authorship of publications

Affiliation entity: Internet Interdisciplinary Institute

Type of entity: University Centres and Structures and Associated Bodies

Start date: 14/12/2015

Duration: 1 year - 6 months

2 Name of the group: Wireless Networks (WiNe)

Type of collaboration: Co-authorship of publications

Affiliation entity: Internet Interdisciplinary Institute

Type of entity: University Centres and Structures and Associated Bodies

Start date: 14/12/2015

3 Name of the group: Algorithms and parallel languages / Algoritmos y lenguajes paralelos

Aims of the group: Parallelism, Algorithms, Programming Languages, Optimization / Paralelismo, Algoritmos, Lenguajes de programación, Optimización

Name of principal investigator: Coromoto León Hernández

Number of members in the group: 9

City of group: San Cristóbal de La Laguna, Canary Islands, Spain

Affiliation entity: Universidad de La Laguna

Type of entity: University



Number of directed thesis: 5

- 4 Name of the group:** Group of Intelligent Computing / Grupo de Computación Inteligente
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: Universidad de La Laguna **Type of entity:** University
Duration: 2 years

Scientific or technological activities

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

- 1 Name of the project:** SmartLogistics@IB: Red Iberoamericana de Logística Inteligente en la Gestión Sostenible del Transporte en Núcleos Urbanos
Entity where project took place: Universidad Pública de Navarra **Type of entity:** University
Name principal investigator (PI, Co-PI....): Javier Faulin
Funding entity or bodies: CYTED2014-P514RT0013
Start-End date: 01/01/2015 - 31/12/2018
Total amount: 80.000 €
- 2 Name of the project:** Red de Excelencia en Transporte, Logística, y Producción Inteligente.
Entity where project took place: Universitat Oberta de Catalunya **Type of entity:** University
Name principal investigator (PI, Co-PI....): Angel A. Juan
Funding entity or bodies: Spanish Ministry of Economy and Competitiveness
Code according to the funding entity: TRA2015-71883-REDT
Start-End date: 01/01/2016 - 31/12/2016
Total amount: 16.500 €
- 3 Name of the project:** ComputerCOOP: Computer-based decision support for Horizontal Cooperation in Transportation and Logistics
Entity where project took place: Universitat Oberta de Catalunya **Type of entity:** University
Name principal investigator (PI, Co-PI....): Joan M. Marques; Angel A. Juan
Funding entity or bodies: Spanish Ministry of Economy and Competitiveness
Code according to the funding entity: TRA2013-48180-C3-3-P
Start-End date: 01/01/2014 - 31/12/2016 **Duration:** 2 years
Total amount: 54.450 €
- 4 Name of the project:** iTRANS. Development of an Intelligent System of Planning, Eco-Efficient Management and Dynamic Transport Optimization / iTRANS. Desarrollo de un Sistema Inteligente de Planificación, Gestión Eco-eficiente y Optimización Dinámica del Transporte
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Researcher



Entity where project took place: Ministerio de Industria, Turismo y Comercio

City of entity: La Laguna, Canary Islands, Spain

Name principal investigator (PI, Co-PI....): María Belén Melián Batista

Nº of researchers: 7

Nª people/year: 7

Name of the programme: Acción Estratégica de Telecomunicaciones y Sociedad de la Información. Año 2011.

Code according to the funding entity: TSI-020100-2011-298

Start-End date: 01/11/2011 - 31/10/2012

Participating entity/entities: INELCAN; Universidad de La Laguna

Total amount: 412.104 €

Dedication regime: Full time

5 Name of the project: TOP - Parallel Optimization Techniques. Hibridación de computación evolutiva e hiperheurísticas.

Degree of contribution: Researcher

Entity where project took place: Universidad de La Laguna

Name principal investigator (PI, Co-PI....): Coromoto León Hernández

Nº of researchers: 8

Nª people/year: 8

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Start date: 01/01/2012

Duration: 1 year

Total amount: 29.403 €

6 Name of the project: PARALLEL ALGORITHMS AND LANGUAGES / ALGORITMOS Y LENGUAJES PARALELOS

Degree of contribution: Researcher

Entity where project took place: Universidad de La Laguna

Name principal investigator (PI, Co-PI....): Coromoto León Hernández

Nº of researchers: 8

Nª people/year: 8

Funding entity or bodies:

Vicerrectorado de Investigación, Desarrollo Tecnológico e Innovación. ULL

Code according to the funding entity: EXP.1341

Start date: 28/07/2010

Duration: 5 months - 3 days

Total amount: 3.101 €

7 Name of the project: PARALLEL ALGORITHMS AND LANGUAGES / ALGORITMOS Y LENGUAJES PARALELOS

Degree of contribution: Researcher

Entity where project took place: UNIVERSIDAD DE LA LAGUNA

Name principal investigator (PI, Co-PI....): Coromoto León Hernández

Nº of researchers: 6

Nª people/year: 6

Funding entity or bodies:

Vicerrectorado de Investigación, Desarrollo Tecnológico e Innovación. ULL

Code according to the funding entity: 180.221.09.04

Start date: 01/04/2009

Duration: 9 months

Total amount: 2.865 €

8 Name of the project: TWO-DIMENSIONAL CUTTING PROBLEM: ALGORITHMS AND APPLICATIONS / EL PROBLEMA DE CORTE BIDIMENSIONAL: ALGORITMOS Y APLICACIONES

Degree of contribution: Researcher



Entity where project took place: UNIVERSIDAD DE LA LAGUNA
Name principal investigator (PI, Co-PI....): Coromoto León Hernández
Nº of researchers: 6 **Nª people/year:** 6

Funding entity or bodies:
Agencia Canaria de Investigación, Innovación y Sociedad de la Información

Code according to the funding entity: PI2007/015
Start date: 01/03/2009 **Duration:** 3 years - 30 days
Total amount: 27.000 €

9 **Name of the project:** MULTIOBJECTIVE METAHEURISTICS AND ENGINEERING / METAHEURÍSTICAS
MULTIOBJETIVO E INGENIERÍA

Degree of contribution: Researcher
Entity where project took place: MINISTERIO DE CIENCIA E INNOVACIÓN
Name principal investigator (PI, Co-PI....): Coromoto León Hernández
Nº of researchers: 8 **Nª people/year:** 8
Funding entity or bodies:
Plan Nacional

Code according to the funding entity: TIN2008-06491-C04-02
Start date: 31/12/2008 **Duration:** 3 years
Total amount: 96.000 €

10 **Name of the project:** OPTIMIZATION AND NETWORK ENVIRONMENTS / OPTIMIZACIÓN Y
AMBIENTES DE RED

Degree of contribution: Researcher
Entity where project took place: UNIVERSIDAD DE LA LAGUNA
Name principal investigator (PI, Co-PI....): Coromoto León Hernández
Nº of researchers: 6 **Nª people/year:** 6
Funding entity or bodies:
Vicerrectorado de Investigación, Desarrollo Tecnológico e Innovación. ULL

Code according to the funding entity: 180.221.07.02
Start date: 01/01/2007 **Duration:** 11 months - 29 days
Total amount: 4.000 €

11 **Name of the project:** OPTIMIZATION AND NETWORK ENVIRONMENTS / OPTIMIZACIÓN Y
AMBIENTES DE RED

Degree of contribution: Researcher
Entity where project took place: UNIVERSIDAD DE LA LAGUNA
Name principal investigator (PI, Co-PI....): Coromoto León Hernández
Nº of researchers: 8 **Nª people/year:** 8
Funding entity or bodies:
Plan Nacional

Code according to the funding entity: TIN2005-08818-C04-04
Start date: 31/12/2005 **Duration:** 3 years - 1 day
Total amount: 378.000 €



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

- 1** **Name of the project:** Cooperation agreement between IN3 ICSO group (Open University of Catalonia) and Smart Monkey (Incubio Startup) / Convenio de Colaboración entre el grupo ICSO de la Universitat Oberta de Catalunya y Smart Monkey (Incubio Startup)

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Angel A. Juan

Nº of researchers: 15

Funding entity or bodies:
Smart Monkey **Type of entity:** Business

Start date: 20/11/2015 **Duration:** 2 years
- 2** **Name of the project:** Cooperation agreement between DPCS group (Open University of Catalonia) and Serveis Medi Ambient S.A / Convenio de Colaboración entre el grupo DPCS de la Universitat Oberta de Catalunya y Serveis Medi Ambient S.A

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Angel A. Juan

Nº of researchers: 20

Funding entity or bodies:
Serveis Medi Ambient S.A **Type of entity:** Business

City funding entity: Sabadell, Catalonia, Spain

Start date: 01/03/2015 **Duration:** 2 years
- 3** **Name of the project:** Cooperation agreement between the ULL and Electronic Engineering Canarias SL for the joint iTRANS Project: Development of an Intelligent System for Planning, Eco-Efficient Management and Dynamic Transport Optimization / Acuerdo de colaboración entre la ULL e Ingeniería Electrónica Canarias S.L. para la realización conjunta del Proyecto iTRANS: Desarrollo de un Sistema Inteligente de Planificación, Gestión Eco-eficiente y Optimización Dinámica del Transporte.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): María Belén Melián Batista

Nº of researchers: 4

Participating entity/entities: Universidad de La Laguna

Funding entity or bodies:
Ingeniería Electrónica Canarias S.L.

City funding entity: Canary Islands, Spain

Start date: 01/01/2011 **Duration:** 3 years

Total amount: 13.047,3 €



Results

Technological results derived from specialized and transfer activities, not included in previous sections

Description: Technology Transfer Software for Vehicle Route Optimization/Transferencia Tecnológica Software Optimización Rutas Vehículos

Degree of contribution: Researcher

Collaborating entity or bodies:

Universidad de La Laguna

Type of entity: University

City collaborating entity: San Cristóbal de La Laguna, Canary Islands, Spain

Ingeniería Electronica Canarias S,L.

Type of entity: Business

City collaborating entity: Las Palmas, Canary Islands, Spain

Start date: 27/06/2012

Duration: 1 year

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Alex Grasas; Angel A. Juan; Javier Faulin; Jesica de Armas; Helena Ramalinho. Biased Randomization of Heuristics using Skewed Probability Distributions: a survey and some applications. Computers & Industrial Engineering. 110, pp. 216 - 228. 01/08/2017.

Type of production: Scientific paper **Format:** Journal

Relevant results: Q1
- 2** Carlos L. Quintero-Araujo; Aljoscha Gruler; Angel A. Juan; Jesica de Armas; Helena Ramalinho. Using simheuristics to promote horizontal collaboration in stochastic city logistics. Progress in Artificial Intelligence. pp. 1 - 10. Springer, 23/03/2017. ISSN 2192-6360

Type of production: Scientific paper **Format:** Journal
- 3** Laura Calvet; Jesica de Armas; David Masip; Angel A. Juan. Learnheuristics: hybridizing metaheuristics with machine learning for optimization with dynamic inputs. Open Mathematics. To appear, 09/01/2017.

Type of production: Scientific paper **Format:** Journal

Impact source: ISI **Category:** Applied Mathematics

Relevant results: Q4 in 2015, waiting for 2017.
- 4** Jesica de Armas; Angel A. Juan; Joan Manuel Màrques; Joao Pedro Pedroso. Solving the deterministic and stochastic uncapacitated facility location problem: from a heuristic to a simheuristic. Journal of the Operational Research Society. pp. 1 - 16. 14/12/2016. ISSN 1476-9360

Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes

Impact source: ISI



Category: OPERATIONS RESEARCH & MANAGEMENT SCIENCE - SCIE

Impact index in year of publication: 1,225

Relevant results: Q2

- 5** Jesica de Armas; Luis Cadarso; Angel A. Juan; Javier Faulin. A multi-start randomized heuristic for real-life crew rostering problems in airlines with work-balancing goals. *Annals of Operations Research*. pp. 1 - 24. 24/06/2016. ISSN 1572-9338

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: OPERATIONS RESEARCH & MANAGEMENT SCIENCE - SCIE

Impact index in year of publication: 1,406

Relevant results: Q2

- 6** Angel A. Juan; Carlos Alberto Mendez; Javier Faulin; Jesica de Armas; Scott E. Grasman. Electric Vehicles in Logistics and Transportation: A Survey on Emerging Environmental, Strategic, and Operational Challenges. *Energies*. 9 - 2, 28/01/2016.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - ENERGY & FUELS

Impact index in year of publication: 2.072

Relevant results: Q2

- 7** Christopher Expósito Izquierdo; Eduardo Lalla Ruiz; Jesica de Armas Adrian; Belén Melián Batista; Marcos Moreno Vega. A Heuristic Algorithm based on an Improvement Strategy to Exploit Idle Time Periods for the Stacking Problem. *Computers & Industrial Engineering*. 87, pp. 410 - 424. 01/09/2015. ISSN 0360-8352

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 2.086

Relevant results: Q1

- 8** Jesica de Armas Adrián; Eduardo Lalla Ruiz; Belen Melian Batista; Darío Landa Silva. A Hybrid GRASP-VNS for Ship Routing and Scheduling Problem with Discretized Time Windows. *Engineering Applications of Artificial Intelligence*. 45, pp. 350 - 360. 01/08/2015. ISSN 0952-1976

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 2.368

Relevant results: Q1

- 9** Jesica de Armas Adrian; Belén Melián Batista. Variable Neighborhood Search for a Dynamic Rich Vehicle Routing Problem with Time Windows. *Computers & Industrial Engineering*. 85, pp. 120 - 131. 23/07/2015. ISSN 0360-8352

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 2.086

Relevant results: Q1



- 10** Eduardo Lalla Ruiz; Jesica de Armas Adrian; Christopher Exposito Izquierdo; Belen Melian Batista; Marcos Moreno Vega. Multi-Leader Migrating Birds Optimization. International Journal of Bio-Inspired Computation. Accepted, to appear, 01/07/2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 2.086
Relevant results: Q2
- 11** Jesica de Armas Adrián; Belén Melián Batista. GVNS for a Real-World Rich Vehicle Routing Problem with Time Windows. Engineering Applications of Artificial Intelligence. 42, pp. 45 - 56. 01/06/2015. ISSN 0952-1976
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 2.368
Relevant results: Q1
- 12** Eduardo Lalla Ruiz; Christopher Exposito Izquierdo; Jesica de Armas Adrian; Belen Melian Batista; Marcos Moreno Vega. Migrating Birds Optimization for the Seaside Problems at Maritime Container Terminals. Journal of Applied Mathematics. 781907, 27/05/2015.
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Mathematics: Applied Mathematics
Impact index in year of publication: 0.72
- 13** Jesica de Armas; Belén Melian Batista. Constrained Dynamic Vehicle Routing Problems with Time Windows. Soft Computing. 19 - 9, pp. 2481 - 2498. 06/01/2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.630
Relevant results: Q2
- 14** Armas, Jesica de; Miranda, Gara; León, Coromoto. Improving the efficiency of a best-first bottom-up approach for the constrained 2D cutting problem. European Journal of Operational Research. 219 - 0, pp. 201 - 213. 2012. ISSN 0377-2217
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Impact index in year of publication: 2.038
Relevant results: Q1
- 15** Jéssica de Armas, Gara Miranda, Coromoto León, Carlos Segura. Optimisation of a multi-objective two-dimensional strip packing problem based on evolutionary algorithms. International Journal of Production Research. 48 - 7, pp. 2011 - 2028. 2009. ISSN 1478-6451
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** ENGINEERING, INDUSTRIAL
Impact index in year of publication: 0.803
Relevant results: Q3



- 16** Armas, Jéscica de; León, Coromoto; Miranda, Gara; Segura, Carlos. Remote service to solve the two-dimensional cutting stock problem: an application to the canary islands costume. *International Journal of Web and Grid Services (IJWGS)*. 4 - 3, pp. 342 - 351. InderScience Publisher, 2008. ISSN 1741-1106
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, SOFTWARE ENGINEERING
Impact index in year of publication: 0.978
Relevant results: Q3
- 17** Christopher Expósito-Izquierdo; Eduardo Lalla-Ruiz; Jesica de Armas; Belén Melian-Batista; J. Marcos Moreno-Vega. Maritime Container Terminal Problems. *Handbook of Heuristics*. pp. 1 - 27. Springer International Publishing, 10/03/2017. ISBN 978-3-319-07153-4
Type of production: Book chapter **Format:** Book
Degree of contribution: Author or co-author of chapter in book

Works submitted to national or international conferences

- 1** **Title of the work:** Combining Monte Carlo Simulation with Heuristics to Solve a Rich and Real-life Multi-depot Vehicle Routing Problem
Name of the conference: Winter Simulation Conference 2016
City of event: Washington, United States of America
Date of event: 11/12/2016
End date: 14/12/2016
Gabriel Alemany; Alvaro García-Sánchez; Jesica de Armas; Angel A. Juan; Roberto García-Meizoso; Miguel Ortega-Mier. ISBN 978-1-5090-4485-6
- 2** **Title of the work:** Simulating and Optimizing Resource Allocation in a Micro-blogging Application
Name of the conference: Winter Simulation Conference 2016
City of event: Washington, United States of America
Date of event: 11/12/2016
End date: 14/12/2016
Xavier Serra; Jesica de Armas; Joan Manuel Màrques. ISBN 978-1-5090-4485-6
- 3** **Title of the work:** Optimizing Airline Crew Scheduling Using Biased Randomization: A Case Study
Name of the conference: XI Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados 2016 (17th Conference of the Spanish Association for Artificial Intelligence)
City of event: Salamanca, Spain
Date of event: 14/09/2016
End date: 16/09/2016
Alba Agustín; Aljoscha Gruler; Jesica de Armas; Angel A. Juan. ISSN 0302-9743, ISBN 978-3-319-44635-6
- 4** **Title of the work:** Simheuristics: a method of first resort for solving real-life combinatorial optimization problems
Name of the conference: OR58 Annual Conference
City of event: Portsmouth, United Kingdom
Date of event: 06/09/2016
End date: 08/09/2016
Angel A. Juan; Manuel Chica; Jesica de Armas; David Kelton. pp. 147 - 156. ISBN 978-0-903440-60-8



- 5** **Title of the work:** A SimILS-Based Methodology for a Portfolio Optimization Problem with Stochastic Returns
Name of the conference: Modeling and Simulation in Engineering, Economics and Management
City of event: Teruel, Aragon, Spain
Date of event: 04/07/2016
End date: 05/07/2016
Laura Calvet; Renatas Kizys; Angel A. Juan; Jesica de Armas. ISSN 1865-1348, ISBN 978-3-319-40505-6
- 6** **Title of the work:** Minimizing Trigger Error in Parametric Earthquake Catastrophe Bonds via Statistical Approaches
Name of the conference: Modeling and Simulation in Engineering, Economics and Management
City of event: Teruel, Aragon, Spain
Date of event: 04/07/2016
End date: 05/07/2016
Jesica de Armas; Laura Calvet; Guillermo Franco; Madeleine Lopeman; Angel A. Juan. ISSN 1865-1348, ISBN 978-3-319-40505-6
- 7** **Title of the work:** Behavioral factors in City Logistics from an Operations Research perspective
Name of the conference: Smart City International Conference
City of event: Málaga, Andalusia, Spain
Date of event: 15/06/2016
End date: 17/06/2016
Aljoscha Gruler; Jesica de Armas; Angel A. Juan. 9704, pp. 32 - 41. ISSN 03029743
- 8** **Title of the work:** A Biased-Randomized Algorithm for the Uncapacitated Facility Location Problem
Name of the conference: 24th International Conference of the Forum for the Interdisciplinary Mathematics
Corresponding author: Yes
City of event: Barcelona, Spain
Date of event: 18/11/2015
End date: 20/11/2015
Jesica de Armas; Angel A. Juan; Joan Manuel Marquès.
- 9** **Title of the work:** A Multi-Stage Approach Aimed at Optimizing the Transshipment of Containers in a Maritime Container Terminal
Name of the conference: Eurocast 2015
City of event: Las Palmas, Canary Islands, Spain
Date of event: 08/02/2015
End date: 13/02/2015
Christopher Expósito Izquierdo; Jesica de Armas Adrian; Eduardo Lalla Ruiz; Belén Melián Batista; J.Marcos Moreno Vega.
- 10** **Title of the work:** Intermodal Dynamic Vehicle Routing Problem
Name of the conference: Eurocast 2015
City of event: Las Palmas, Canary Islands, Spain
Date of event: 08/02/2015
End date: 13/02/2015
Jésica de Armas Adrián; Belén Melián Batista; Julio Brito Santana.
- 11** **Title of the work:** Búsqueda por Entornos Variables para el Problema de Asignación de Atraques
Name of the conference: MAEB 2015: Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados



City of event: Mérida, Extremadura, Spain

Date of event: 04/02/2015

End date: 06/02/2015

Christopher Expósito Izquierdo; Eduardo Lalla Ruiz; Jesica de Armas Adrian; Belén Melián Batista; J. Marcos Moreno Vega. ISBN 978-84-697-2150-6

12 Title of the work: Modelado del Transbordo de Contenedores en una Terminal Marítima de Contenedores

Name of the conference: MAEB 2015: Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados

City of event: Mérida, Extremadura, Spain

Date of event: 04/02/2015

End date: 06/02/2015

Christopher Expósito Izquierdo; Jesica de Armas Adrian; Eduardo Lalla Ruiz; Belén Melián Batista; J. Marcos Moreno Vega. ISBN 978-84-697-2150-6

13 Title of the work: An Solution GVNS for an Intermodal VRPTW

Name of the conference: META 2014: International Conference on Metaheuristics and Nature Inspired Computing

City of event: Marrakech, Morocco

Date of event: 27/10/2014

End date: 31/10/2014

Jesica de Armas Adrián; Julio Brito Santana; Belén Melián Batista.

14 Title of the work: Híbrido basado en VNS para la Planificación real de Rutas de Vehículos con Ventanas de tiempo

Name of the conference: MAEB 2013: IX Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados

City of event: Madrid, Community of Madrid, Spain

Date of event: 16/09/2013

Jesica de Armas Adrián; Belén Melián Batista; José Andrés Moreno Pérez. ISBN 978-84-695-8348-7

15 Title of the work: Constrained Dynamic Vehicle Routing Problem with Time Windows

Name of the conference: VeRoLog 2013

City of event: Southampton, United Kingdom

Date of event: 07/07/2013

End date: 10/07/2013

Organising entity: Universidad de Southampton **Type of entity:** University

City organizing entity: Southampton, United Kingdom

Jesica de Armas Adrián; Belén Melián Batista; José A. Moreno Pérez. "Constrained Dynamic Vehicle Routing Problem with Time Windows".

16 Title of the work: Multiobjective Restricted Dynamic Vehicle Routing Problem with time Windows

Name of the conference: International Workshop on locational Analysis and Related Problems

City of event: Málaga, Andalusia, Spain

Date of event: 19/06/2013

End date: 21/06/2013

Jésica de Armas Adrián; Belén Melián Batista; José Andrés Moreno Pérez.

17 Title of the work: Multi-Objective Restricted Dynamic Vehicle Routing Problem with Time Windows

Name of the conference: 22nd International Conference on Multiple Criteria Decision Making

City of event: Málaga, Andalusia, Spain



Date of event: 17/06/2013

End date: 21/06/2013

Organising entity: Universidad de Málaga

Type of entity: University

Jesica de Armas Adrián; Belén Melián Batista; José A. Moreno Pérez. "Multi-Objective Restricted Dynamic Vehicle Routing Problem with Time Windows".

18 Title of the work: Restricted Dynamic Heterogeneous Fleet Vehicle Routing Problem with Time Windows

Name of the conference: IWANN 2013: International Work Conference on Artificial Neural Networks

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Puerto de la Cruz, Canary Islands, Spain

Date of event: 12/06/2013

End date: 14/06/2013

Organising entity: Universidad de Málaga, Universidad de Granada, Universidad Politécnica de Cataluña, Spanish Chapter of the IEEE Computational Intelligence Society

City organizing entity: Spain

Type of contribution: Scientific paper

Jesica de Armas Adrián; Belén Melián Batista; José A. Moreno Pérez. "Restricted Dynamic Heterogeneous Fleet Vehicle Routing Problem with Time Windows". 2, pp. 36 - 45. 14/06/2013. ISSN 0302-9743

19 Title of the work: Parallelization of the Multi-objective Container Loading Problem

Name of the conference: CEC 2012: IEEE Congress on Evolutionary Computation

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Brisbane, Australia

Date of event: 10/06/2012

End date: 15/06/2012

Organising entity: Brisbane, Australia

Type of contribution: Scientific paper

Jésica de Armas Adrián; Yanira González González; Gara Miranda Valladares; Coromoto León Hernández. ISBN 978-1-4673-1508-1

20 Title of the work: Comparing Encoding Schemes for Multi-objective Two-dimensional Guillotine Cutting Problems

Name of the conference: 9th ESICUP Meeting

City of event: San Cristobal de La Laguna, Canary Islands, Spain

Date of event: 21/03/2012

End date: 23/03/2012

Jésica de Armas Adrián; Gara Miranda Valladares; Coromoto León Hernández.

21 Title of the work: Parallel Models for the Multi-Objective Container Loading Problem

Name of the conference: 9th ESICUP Meeting

City of event: San Cristobal de La Laguna, Canary Islands, Spain

Date of event: 21/03/2012

End date: 23/03/2012

Yanira González González; Jésica de Armas Adrián; Gara Miranda Valladares; Coromoto León Hernández.

22 Title of the work: El problema de carga de contenedores: una aproximación paralela y multi-objetivo

Name of the conference: MAEB 2012: VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados



Type of event: Conference

Type of participation: Participatory - oral communication

Date of event: 08/02/2012

Organising entity: Albacete, Spain

Armas, Jesica de; González, Yanira; Miranda, Gara; León, Coromoto. ISBN 978-84-615-6931-1

Geographical area: National

Reasons for participation: Review before acceptance

23 Title of the work: Hyperheuristic encoding scheme for multi-objective guillotine cutting problems

Name of the conference: GECCO 2011: Genetic and Evolutionary Computation Conference

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Date of event: 12/07/2011

Organising entity: Dublin, Ireland

Armas, Jesica de; Miranda, Gara; León, Coromoto. ISBN 978-1-4503-0556-0

24 Title of the work: A multi-objective approach for the 2d guillotine cutting stock problem

Name of the conference: IWANN 2011: International Work Conference on Artificial Neural Networks

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Date of event: 08/06/2011

Organising entity: Torremolinos, Málaga

Armas, Jesica de; León, Gara Miranda; Coromoto. ISSN 0302-9743, ISBN 978-3-642-21497-4

25 Title of the work: Two encoding schemes for a multi-objective cutting stock problem

Name of the conference: CEC 2011: IEEE Congress on Evolutionary Computation

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Date of event: 05/06/2011

Organising entity: New Orleans, LA

Armas, Jesica de; Miranda, Gara; León, Coromoto. ISBN 978-1-4244-7833-0

26 Title of the work: Multi-objective Solution for 2D Guillotine Cutting Stock Problem

Name of the conference: 8th ESICUP Meeting

City of event: Copenhagen, Danmark, Denmark

Date of event: 19/05/2011

End date: 21/05/2011

Jésica de Armas Adrián; Gara Miranda Valladares; Coromoto León Hernández.

27 Title of the work: Resolución Evolutiva del problema multiobjetivo 2D Strip Packing: Análisis de las Codificaciones

Name of the conference: MAEB 2010: VII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Date of event: 07/09/2010

Organising entity: Valencia, Spain

Jésica de Armas, Coromoto León, Gara Miranda. ISBN 978-84-92812-58-5



- 28** **Title of the work:** Hyperheuristic Codification for the Multi-Objective 2D Guillotine Strip Packing Problem
Name of the conference: CEC 2010: IEEE Congress on Evolutionary Computation
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Barcelona, Spain
Date of event: 18/07/2010
Organising entity: Barcelona, Spain
Jésica de Armas, Coromoto León, Gara Miranda. ISBN 978-1-4244-6910-9
- 29** **Title of the work:** Codifications in Evolutionary Algorithms for the Multi-Objective 2D Guillotine Strip Packing Problem
Name of the conference: EURO XXIV: 24th European Conference on Operational Research
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Date of event: 11/07/2010
Organising entity: Lisboa, Portugal
Jésica de Armas, Coromoto León, Gara Miranda.
- 30** **Title of the work:** Fine and Coarse-grained Parallel Algorithms for the 2D Cutting Stock Problem
Name of the conference: 18th Euromicro International Conference on Parallel, Distributed and Network-Based Computing
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Date of event: 17/02/2010
Organising entity: Pisa, Italy
Jésica de Armas, Coromoto León, Gara Miranda. ISBN 978-0-7695-3939-3
- 31** **Title of the work:** A parallel evolutionary approach to solve a multi-objective two-dimensional strip packing problem
Name of the conference: 6th esicup meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 01/01/2009
Organising entity: Valencia, España
Armas, Jesica de; León, Coromoto; Miranda, Gara; Segura, Carlos.
- 32** **Title of the work:** Remote service to solve the two-dimensional cutting stock
Name of the conference: 2nd international conference on complex, intelligent and software intensive systems
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Spain
Date of event: 04/03/2008
Armas, Jesica de; León, Coromoto; Miranda, Gara; Segura, Carlos. ISBN 0-7695-3109-1



- 33** **Title of the work:** Interfaz gráfica de usuario para el problema de corte bidimensional. una aplicación al traje típico de las islas canarias
Name of the conference: IX congreso internacional de interacción persona-ordenador
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Albacete, Spain
Date of event: 01/01/2008
Organising entity: Albacete, España
Armas, Jesica de; León, Coromoto; Miranda, Gara; Segura, Carlos. ISBN 978-84-691-3871-7
- 34** **Title of the work:** Optimización del problema de corte bidimensional multi-objetivo
Name of the conference: XIX jornadas de paralelismo
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Valencia, Spain
Date of event: 01/01/2008
Organising entity: Valencia, España
Armas, Jesica de; León, Coromoto; Miranda, Gara; Segura, Carlos. ISBN 978-84-8021-676-0
- 35** **Title of the work:** Optimization of a two-dimensional cutting problem through parallel cooperation of multi-objective evolutionary algorithms
Name of the conference: International workshop on state-of-the-art in scientific and parallel computing
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Date of event: 01/01/2008
Organising entity: 0
Armas, Jesica de; León, Coromoto; Miranda, Gara; Segura, Carlos.
- 36** **Title of the work:** Interfaz gráfica para el corte del traje de mago de la Orotava
Name of the conference: XVII Congreso Español en Informática Gráfica
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Zaragoza, Spain
Date of event: 11/09/2007
Organising entity: Zaragoza, España
Armas, J. de; León, C.; Miranda, G.; Segura, C."Thomson". ISBN 978-84-9732-595-0

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

- 1** **Title of the work:** Solving Large-Scale time Capacitated Arc Routing Problems: from real time heuristics to metaheuristics
Name of the event: SMARTLOGISTICS@IB Workshop
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: Madrid, Community of Madrid, Spain
Date of event: 29/09/2016
Organising entity: Universidad Pública de Navarra **Type of entity:** University
Jesica de Armas.



- 2** **Title of the work:** Biased Randomization of Heuristics in Logistics and Transportation Field
Name of the event: Working Meeting on Port Logistics and Simulation
Type of event: Seminar
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: La Laguna, Canary Islands, Spain
Date of event: 20/04/2016
Organising entity: Universidad de La Laguna **Type of entity:** University
Jesica de Armas.
- 3** **Title of the work:** A new approach to solve the uncapacitated Facility Location Problem
Name of the event: HAROSA-CYTED Workshop 2015
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: Madrid, Community of Madrid, Spain
Date of event: 16/09/2015
Organising entity: Universidad Pública de Navarra **Type of entity:** University
Jesica de Armas.
- 4** **Title of the work:** Uncapacitated Facility Location Problem
Name of the event: GreenCOOP-CYTED Workshop 2015
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: Madrid, Community of Madrid, Spain
Date of event: 04/09/2015
Organising entity: Universidad Pública de Navarra **Type of entity:** University

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Co-editor of the International Journal of Data Analysis Techniques and Strategies
Start date: 01/10/2015
- 2** **Committee title:** Examining board of Master's Degree in the Operational Research profile/Tribunal de Fin de Máster en el perfil Investigación Operativa
Affiliation entity: Universitat Politècnica de Catalunya **Type of entity:** University
- 3** **Committee title:** Referee of the Computer & Industrial Engineering journal
- 4** **Committee title:** Referee of the International Journal of Production Research
- 5** **Committee title:** Referee of the Operational Research: An International Journal



6 **Committee title:** Referee of the Soft Computing journal

Organization of R&D activities

- 1** **Title of the activity:** International Conference on Risk Analysis ICRA 6 / RISK 2015
Type of activity: Congreso Internacional **Geographical area:** Non EU International
Convening entity: Universitat Oberta de Catalunya **Type of entity:** University
City convening entity: Catalonia, Spain
Type of participation: Organiser
Start-End date: 26/05/2015 - 29/05/2015
- 2** **Title of the activity:** Parallelism Conference 2011 / Jornadas de Paralelismo 2011
Type of activity: Congreso
Convening entity: Universidad de La Laguna **Type of entity:** University
Start-End date: 07/09/2011 - 09/09/2011
- 3** **Title of the activity:** 12th Metaheuristic International Conference (MIC'2017)
Type of activity: Congress **Geographical area:** European Union
City of event: Spain
Type of participation: Organiser
Start date: 07/06/2017
- 4** **Title of the activity:** Latest Advances in Computer Science 2011 / Últimos Avances en Informática 2011
Type of activity: Seminario de especialización
Start date: 27/09/2011 **Duration:** 1 month - 12 days
- 5** **Title of the activity:** Latest Advances in Computer Science 2010 / Últimos Avances en Informática 2010
Type of activity: SEMINARIO DE ESPECIALIZACIÓN
Start date: 22/11/2010 **Duration:** 11 days
- 6** **Title of the activity:** Latest Advances in Computer Science 2009 / Últimos Avances en Informática 2009
Type of activity: SEMINARIO DE ESPECIALIZACIÓN. DÉCIMO TERCERA EDICIÓN.
Start date: 30/11/2009 **Duration:** 4 days
- 7** **Title of the activity:** Latest Advances in Computer Science 2008 / Últimos Avances en Informática 2008
Type of activity: Seminario de especialización
Start date: 02/10/2008 **Duration:** 21 days

R&D management

Name of the activity: Development of the application for the Network of Excellence in Transport, Logistics, and Smart Production/ Desarrollo de la solicitud de la Red de Excelencia en Transporte, Logística, y Producción Inteligente

Performed tasks: Desarrollo y gestión de la solicitud de la Red de Excelencia

Entity: Universitat Oberta de Catalunya

Type of entity: University

Start date: 08/04/2015

Duration: 2 years

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University of Colorado Boulder
City of entity: Colorado, United States of America
Start-End date: 17/07/2017 - 18/08/2017
Goals of the stay: Post-doctoral
Type of entity: University
Duration: 1 month
- 2** **Entity:** University of Nottingham/Universidad de Nottingham
City of entity: Nottingham, United Kingdom
Start-End date: 14/10/2014 - 22/12/2014
Goals of the stay: Post-doctoral
Duration: 2 months - 8 days
- 3** **Entity:** University of Calabria / Universidad de Calabria
City of entity: Cosenza, Italy
Start date: 21/07/2014
Goals of the stay: Post-doctoral
Duration: 7 days
- 4** **Entity:** Edinburgh Parallel Computing Center
City of entity: Edimburgo,
Start date: 03/05/2011
Goals of the stay: Doctorate
Provable tasks: PARALLELISATION OF THE TWO-DIMENSIONAL GUILLOTINE STRIP PACKING/CUTTING PROBLEM
Duration: 3 months - 1 day

Obtained grants and scholarships

- 1** **Name of the grant:** Training University Teacher Fellowship Researcher / Beca FPU (Formación Profesorado Universitario)
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia e Innovación. **Type of entity:** - Investigación
Conferral date: 01/09/2008
End date: 27/06/2012
Duration: 3 years - 10 months
Entity where activity was carried out: Universidad de La Laguna
- 2** **Name of the grant:** CajaCanarias Fellowship for Researcher / Beca CajaCanarias
Aims: Pre-doctoral
Awarding entity: Universidad de La Laguna
Conferral date: 01/03/2008
End date: 31/08/2008
Duration: 6 months
Entity where activity was carried out: Universidad de La Laguna
- 3** **Name of the grant:** Collaboration Fellowship / Beca de Colaboración
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 01/09/2006
Duration: 1 year



End date: 01/09/2007

Entity where activity was carried out: Universidad de La Laguna

Other types of collaboration with researchers or technologists

Type of relationship: Joint project networks

Name principal investigator (PI, Co-PI...): Jesica de Armas Adrián; Julio Brito Santana; Demetrio Laguna

Description of the collaboration: Cooperation agreement among Intra-regional European Project partners / Acuerdo de colaboración entre socios del proyecto Europeo Intra-regional

Participating entity/entities:

University of Calabria

Type of entity: University

City participating entity: Cosenza, Italy

Universidad de La Laguna

Type of entity: University

City participating entity: San Cristóbal de La Laguna, Canary Islands, Spain

Start date: 21/07/2014

Duration: 1 year

Co-operation networks

1 Name of the network: Network of Excellence in Transport, Logistics, and Smart Production

Identification of the network: SmartTransPro(TRA2015-71883-REDT)

Participating entity/entities: Universidad Politécnica de Valencia; Universidad Pompeu Fabra; Universidad Pública de Navarra; Universidad Rey Juan Carlos; Universidad de Burgos; Universidad de La Laguna; Universidad de Oviedo; Universidad de Sevilla; Universitat Oberta de Catalunya; Universitat Politècnica de Catalunya

Type of entity: University; University; University; University; University; University; University; University; University; University; University; University

Start date: 2016

Duration: 2 years

2 Name of the network: AEPIA: Asociación Española para la Inteligencia Artificial

Start date: 01/09/2014

Prizes, mentions and distinctions

1 Description: PhD Award / Premio de Tesis Doctoral

Awarding entity: AEPIA: Asociación Española para la Inteligencia Artificial

Type of entity: Associations and Groups

City awarding entity: Spain

Conferral date: 05/09/2014

2 Description: PhD Extraordinary Award / Premio Extraordinario de Doctorado

Awarding entity: Universidad de La Laguna

Type of entity: University

City awarding entity: Spain

Conferral date: 27/06/2012

3 Description: Special Award End of Degree Engineer in Computer Science / Premio Extraordinario de Fin de Carrera en la titulación de Ingeniero Técnico en Informática de Sistemas.

Awarding entity: Universidad de La Laguna

Type of entity: University



Conferral date: 17/09/2005

Obtained accreditations/recognitions

- 1** **Description:** Tramo de investigación (sexenio)
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
City accrediting entity: Catalunya, Spain
Date of recognition: 02/12/2016
- 2** **Description:** Profesor Agregado
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
City accrediting entity: Catalunya, Spain
Date of recognition: 04/10/2016
- 3** **Description:** Profesor Contratado Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
City accrediting entity: Spain
Date of recognition: 27/09/2016
- 4** **Description:** Profesor de Universidad Privada
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
City accrediting entity: Spain
Date of recognition: 27/09/2016
- 5** **Description:** Profesor Ayudante Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
Date of recognition: 23/09/2013
- 6** **Description:** Profesor Ayudante Doctor
Accrediting entity: ACECAU: Agencia canaria de calidad universitaria y evaluación educativa **Type of entity:** State agency
Date of recognition: 04/12/2012