



Juan Antonio Rodriguez Aguilar

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Date of document: 24/01/2025

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.

My research work began in 1996 when I obtained an FPI scholarship to carry out my doctoral thesis at the Institut d'Investigació en Intel·ligència Artificial (IIIA) of the Spanish National Research Council under the supervision of Prof. Carles Sierra and Dr. Pere Garcia. In July 1999, together with other partners, I founded the company iSOCO SA, the first spin-off of the CSIC. Before joining the company full-time, I worked for a year as a researcher at the Sloan School of Management at the Massachusetts Institute of Technology (MIT) under the supervision of Dr. Mark Klein and within the DARPA COABS project. In November 2000 I joined iSOCO as a researcher, where I remained until February 2003. In 2001, during my stay at iSOCO, I obtained my PhD. During my period at iSOCO, I was responsible for developing new products and services. My main contribution to the company was the development of strategic sourcing applications to facilitate the negotiation between companies. iSOCO has been selling that technology since 2002 to more than 130 companies in a wide range of sectors. In 2003 I obtained a post-doctoral contract within the Ramón y Cajal program (with third place in the national ranking) to rejoin the IIIA. In 2005, I obtained a permanent position as Tenured Scientist at the IIIA; in 2018, I promoted to Research Scientist and; and in 2021, I promoted to Research Professor. From 2008 to 2017 I was the Head of the “Multiagent Systems” Department at the IIIA, and from 2020 to 2023 I led the “Virtual worlds, Visualisation and Artificial Intelligence” Group at the IIIA.

In 2013 I was elected Fellow of the European Association for Artificial Intelligence (EurAI).

I have focused my research on distributed artificial intelligence, and more recently on the application of artificial intelligence for the social good, and on the foundations of trustworthy AI (through ethics and explainability). I publish regularly in the main, peer-reviewed, AI conferences (e.g. IJCAI, ECAI, AAI, AAMAS, NeurIPS) and AI journals (e.g. Artificial Intelligence, JAIR, KBS). Moreover, I have been highly involved in the organisation of international, peer-reviewed, top AI conferences: 6 times as Area Chair (e.g., AAMAS, ECAI); 3 times as Workshop Chair (AAMAS 2017, AAMAS 2008, ICEC 2011); as Video Competition Chair of IJCAI 2015; as Demonstrations Chair of AAMAS 2014; as Track Chair of the ACM Symposium on Applied Computing 2009, and of ICEC 2008; 5 times as co-chair, from 2009 to 2013, of the International Workshop on Optimisation for Multi-agent Systems (I started this series of still-ongoing workshops back in 2009); 4 times as co-chair of the International Workshop on Agent-mediated Electronic Commerce (2000, 2003, 2004, 2007); 20 times as SPC member: IJCAI (9 times), AAMAS (6 times), AAI (4 times), ECAI (once); more than 100 times as PC Member, including top AI conferences (e.g., IJCAI, AAI, NeurIPS, AAMAS).

I am a board member of two of the most prestigious AI journals (Artificial Intelligence, JAIR), and the top journal on multiagent systems research (Autonomous Agents and Multiagent Systems).

Furthermore, I regularly work as an expert for various research funding agencies in several countries, including the European Commission (for the Research and Innovation Funding Programme and for the industrial Programme Eurostars).



I usually develop my research through international collaborations with leading groups, as shown by my publication list (40% of my publications count on co-authors of international institutions). I currently maintain collaborations around the following topics: optimization and machine learning models for sustainable mobility (Farinelli); recommendations for personalized education (Dr. Tomas Trescak, Prof. Simeon Simoff (University of Western Sydney); reasoning and decision making considering ethical aspects (Prof. Mike Wooldridge (Oxford University), Prof. Stefano Moretti (CNRS)); hybrid models of optimization and machine learning to determine the value systems of human collectives (Prof. Catholjin Jonker, Delft University); collective decision making in debates through argumentation and social choice (Prof. Simon Parsons, Lincoln University); and extended reality for cultural heritage (Prof. Anton Bogdanovych, University of Western Sydney).

Besides publications, my research also considers the development of technology for the social good in several domains: 1) Education: the Eduteams app (<https://eduteams.iiia.csic.es>) to facilitate teamwork to the educational community has 50,426 users (2,082 educators and 48,344 students); 2) Mobility: the Ridesharing simulator (<https://ridesharing.iiia.csic.es/>) to help policy makers assess the benefits of shared mobility; 3) Cultural heritage: the first Virtual Reality serious game and recreation of La Draga (<https://www.iiia.csic.es/draga/demos.html>), one of the most important Neolithic settlements in Europe.



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.

I was named fellow of the European Association of Artificial Intelligence in 2013. I have received the prize to the Most Cited Paper by the Engineering Applications of Artificial Intelligence Journal (Q1 journal published by Elsevier) and the prize to the Best Agent Application of the Agentcities International Agent Competition. I have also received twice prizes as Distinguished Senior Program Committee Member for the quality of my review (the quality of my reviews was ranked in the top 3%) by IJCAI, the top international conference on AI.

I am a board member of two of the most prestigious AI journals (Artificial Intelligence, Journal of Artificial Intelligence Research), and the top journal on multiagent systems research (Autonomous Agents and Multiagent Systems)

I have published 65 JCR journal articles, 25 of them in Q1 journals (7 of them in D1 journals, top 10%), and 21 in Q2 journals. Therefore, 70% of my journal articles have appeared in high-impact journals. I have published 70 papers in peer-reviewed conferences: 51 in CORE A* (top) conferences (72.8%) and 9 in CORE A conferences (12.8%). 40% of my publications count on co-authors of international institutions. As one of my main international collaborators, I would like to highlight Prof. Mike Wooldridge, from University of Oxford, who is renowned worldwide for his AI contributions.

I have regularly worked as an expert for multiple, international research agencies, including the European Commission, for the last 15 years. I also regularly work as an expert for the Eureka Eurostars programme (Eurostars is the largest international funding programme for SMEs wishing to collaborate on R&D projects).

In 1999 I founded, together with fellow PhD students, iSOCO S.A., the first spin-off of the CSIC. Banco Santander invested 12 million Euros in the company back in 2000, and was later on acquired by Clever Global. iSOCO commercialised strategic sourcing solutions, whose development I led in the lab, and which are reported in several conference and journal papers.



Juan Antonio Rodriguez Aguilar

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 Google Scholar: **<https://scholar.google.com/citations?user=gmFYg7gAAAAJ&hl=e>**
 Contact aut. region.: **Catalonia**
 Personal web page: **<https://sites.google.com/view/juan-a-rodriguez-aguilar>**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas (CSIC) **Type of entity:** State agency
Department: Instituto de Investigación en Inteligencia Artificial
Professional category: Profesor de investigación **Leadership and management (Y/N):** No
City employing entity: Bellaterra, Catalonia, Spain
Phone: (34) 935809570 - 218 **Fax:** (34) 935809661 **Email:** jar@iia.csic.es
Start date: 18/02/2021
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 120304 - Artificial intelligence
Performed tasks: Artificial Intelligence & Ethics; Artificial Intelligence for the social good; Multiagent Reinforcement learning
Identify key words: Artificial intelligence
Area of leadership and/or management activity: Public Research Body

Previous positions and activities

	Employing entity	Professional category	Start date
1	Consejo Superior de Investigaciones Científicas	Investigador científico	01/08/2018
2	Consejo Superior de Investigaciones Científicas	Científico titular	16/06/2005
3	Consejo Superior de Investigaciones Científicas	Contratado Ramón y Cajal CSIC	01/03/2003
4	Intelligent Software Components, S.A.	Investigador	01/11/2000
5	Generalitat de Catalunya	Becario predoctoral (FI-PG/96-8.472)	01/02/1996
6	Ayuntamiento de Badia del Vallès	Profesor de ofimática	01/09/1995
7	Universitat Autònoma de Barcelona	Profesor asociado	01/09/1994
8	Massachusetts Institute of Technology 10/1999 – 11/2000	Researcher	



- 1** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Investigador científico
Start-End date: 01/08/2018 - 17/02/2021
Type of entity: State agency
- 2** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Científico titular
Start-End date: 16/06/2005 - 31/07/2018
Type of entity: State agency
- 3** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Contratado Ramón y Cajal CSIC
Start date: 01/03/2003
Type of entity: State agency
Duration: 2 years - 3 months - 15 days
- 4** **Employing entity:** Intelligent Software Components, S.A.
Professional category: Investigador
Start date: 01/11/2000
Type of entity: Business
Duration: 3 years - 1 month
- 5** **Employing entity:** Generalitat de Catalunya
Professional category: Becario predoctoral (FI-PG/96-8.472)
Start date: 01/02/1996
Type of entity: ---
Duration: 4 years
- 6** **Employing entity:** Ayuntamiento de Badia del Vallès
Professional category: Profesor de ofimática
Start date: 01/09/1995
Type of entity: Ayuntamiento
Duration: 5 months
- 7** **Employing entity:** Universitat Autònoma de Barcelona
Professional category: Profesor asociado
Start date: 01/09/1994
Type of entity: University
Duration: 1 year
- 8** **Employing entity:** Massachusetts Institute of Technology 10/1999 – 11/2000
Professional category: Researcher



Education

University education

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

- 1 **Name of qualification:** Master en Visión por Computador
Degree awarding entity: Universitat Autònoma de Barcelona (UAB)
Date of qualification: 1998
- 2 **Name of qualification:** Certificado de Aptitud Pedagógica
Degree awarding entity: Universitat Autònoma de Barcelona (UAB)
Date of qualification: 1995
- 3 **Name of qualification:** Licenciado en Ciencias (Informática)
Degree awarding entity: Universitat Autònoma de Barcelona (UAB)
Date of qualification: 1993

Doctorates

Doctorate programme: Doctor en Ciencias (Informática)
Degree awarding entity: Universitat Autònoma de Barcelona (UAB)
Date of degree: 2001

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		C1	C1	C1	A1
English		C1	C1	C1	C1

Teaching experience

General teaching experience

- 1 **Name of the course:** Razonamiento automático
University degree: Master universitario en investigación en inteligencia artificial
Start date: 2022 **End date:** 2023
Entity: Universidad Internacional Menéndez Pelayo **Type of entity:** University
- 2 **Name of the course:** Razonamiento automático
University degree: Master universitario en investigación en inteligencia artificial
Start date: 2021 **End date:** 2022



Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

3 Name of the course: Razonamiento automático

University degree: Master universitario en investigación en inteligencia artificial

Start date: 2020

End date: 2021

Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

4 Name of the course: Razonamiento automático

University degree: Master universitario en investigación en inteligencia artificial

Start date: 2019

End date: 2020

Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

5 Name of the course: Razonamiento automático

University degree: Master universitario en investigación en inteligencia artificial

Start date: 2018

End date: 2019

Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

6 Name of the course: Razonamiento automático

University degree: Master universitario en investigación en inteligencia artificial

Start date: 2017

End date: 2018

Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

7 Name of the course: Razonamiento automático

University degree: Master universitario en investigación en inteligencia artificial

Start date: 2016

End date: 2017

Entity: Universidad Internacional Menéndez Pelayo

Type of entity: University

8 Name of the course: Multiagent systems

University degree: Master en Visión por Computador e Inteligencia Artificial

Start date: 21/01/2013

End date: 30/06/2013

Entity: Universitat Autònoma de Barcelona

Type of entity: University

9 Name of the course: Scientific Computing

University degree: Master in Mathematical Sciences

Start date: 26/08/2012

End date: 19/09/2012

Entity: African Institute for Mathematical Sciences

Type of entity: Private education and research institute

10 Name of the course: Scientific Computing

University degree: Postgraduate Diploma in Mathematical Sciences

Start date: 29/08/2011

End date: 29/09/2011

Entity: African Institute for Mathematical Sciences

Type of entity: Private education and research institute

11 Name of the course: Bases de datos

University degree: Grado en Ingeniería Informática

Start date: 01/09/1994

End date: 01/09/1995

Entity: Universitat Autònoma de Barcelona

Type of entity: University

Faculty, institute or centre: Campus Sabadell



- 12** **Name of the course:** Bases de datos
University degree: Grado en estadística aplicada
Start date: 01/09/1994
Entity: Universitat Autònoma de Barcelona
Faculty, institute or centre: Ciències
End date: 01/09/1995
Type of entity: University
- 13** **Name of the course:** Bioinformàtica
University degree: Grado en Informàtica
Start date: 01/09/1994
Entity: Universitat Autònoma de Barcelona
Faculty, institute or centre: Facultat de Ciències
End date: 01/09/1995
Type of entity: University

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Decentralized Deep Reinforcement Learning for Tackling Multi-agent Ethical Problems
Type of project: Master
Entity: Universidad Politécnica de Madrid
Student: Arnau Mayoral
Date of reading: 12/07/2023
Type of entity: University
- 2** **Project title:** Reinforcement learning for value alignment
Type of project: Doctoral thesis
Co-director of thesis: Maite Lopez Sanchez
Entity: Universitat de Barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Manel Rodriguez Soto
Obtained qualification: Sobresaliente cum laude
Date of reading: 2023
European doctorate: Yes
- 3** **Project title:** Aprenentatge ètic i segur per reforç en entorns multi-objectiu
Type of project: Bachelor final year project
Entity: Universitat Autònoma de Barcelona
Student: Ferran Iglesias Cels
Obtained qualification: 8.9
Date of reading: 07/07/2022
Type of entity: University
- 4** **Project title:** Collective reasoning on multi-agent debates: A coherent approach
Type of project: Doctoral thesis
Co-director of thesis: Simon Parsons; Natalia Criado; Maite Lopez Sanchez
Entity: King's College London
City of entity: Londres, United Kingdom
Student: Jordi Ganzer Ripoll
Date of reading: 2022
Type of entity: University
- 5** **Project title:** Simplification of numeric variables for PLC model checking
Type of project: Master
Entity: Universidad Internacional Menéndez y Pelayo
Student: Ignacio David López Miguel
Date of reading: 20/09/2021



- 6** **Project title:** Value-aligned norm selection
Type of project: Doctoral thesis
Co-director of thesis: Maite Lopez Sanchez
Entity: Universitat de Barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Marc Serramià Amorós
Obtained qualification: Sobresaliente cum laude
Date of reading: 2021
European doctorate: Yes
Quality recognition: Yes
- 7** **Project title:** Improvements in Generative Adversarial Networks with hard constraints
Type of project: Master
Co-director of thesis: Filippo Bistaffa
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Carlos Mogan Navarro
Date of reading: 11/07/2019
- 8** **Project title:** Improving Generative Adversarial Networks by including hard constraints
Type of project: Master
Co-director of thesis: Filippo Bistaffa
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Adrià Fenoy
Date of reading: 11/07/2019
- 9** **Project title:** Extending Markov games to learn policies aligned with moral values
Type of project: Master
Co-director of thesis: Maite López Sánchez
Entity: Universitat de Barcelona **Type of entity:** University
Student: Manel Rodríguez Soto
Date of reading: 24/04/2019
- 10** **Project title:** Model-free video game personalization for educational serious games
Type of project: Master
Co-director of thesis: Josep Lluís Arcos Rosell
Entity: Universitat de Barcelona **Type of entity:** University
Student: Sergi Cebrián Gres
Date of reading: 11/07/2018
- 11** **Project title:** Ethical reasoning for norm-based systems
Type of project: Master
Co-director of thesis: Maite López Sánchez
Entity: Universitat de Barcelona **Type of entity:** University
Student: Marc Serramià Amorós
Date of reading: 25/04/2018
- 12** **Project title:** Artificial intelligence methods to support people management in organisations
Type of project: Doctoral thesis
Co-director of thesis: Carles Sierra
Entity: Universitat Autònoma de Barcelona **Type of entity:** University



City of entity: Barcelona, Catalonia, Spain
Student: Ewa Andrejczuk
Obtained qualification: Sobresaliente cum laude
Date of reading: 2018

13 Project title: Data-driven decision-making and its application to the corporate cash management problem

Type of project: Doctoral thesis
Co-director of thesis: Pablo Díaz García; Francisco Martín Cervera
Entity: Universidad Politécnica de Valencia **Type of entity:** University
City of entity: Valencia, Valencian Community, Spain
Student: Francisco Salas Molina
Obtained qualification: Sobresaliente cum laude
Date of reading: 2017

14 Project title: Detecting arguments' similarity to compact on-line debates

Type of project: Bachelor final year project
Co-director of thesis: López Sánchez Maite
Entity: Universitat de Barcelona **Type of entity:** University
Student: Martí Soler Planas
Obtained qualification: 9.5
Date of reading: 13/07/2016

15 Project title: Information fusion for norm consensus in virtual communities

Type of project: Bachelor final year project
Entity: Universitat de Barcelona **Type of entity:** University
Student: Marc Serramià Amorós
Date of reading: 01/02/2016

16 Project title: On-line norm synthesis for open multi-agent systems

Type of project: Doctoral thesis
Co-director of thesis: Maite Lopez Sanchez
Entity: Universitat de Barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Javier Morales Matamoros
Obtained qualification: Sobresaliente cum laude
Date of reading: 2016

17 Project title: Modelado, simulación y visualización de mercados distribuidos de energía

Type of project: Bachelor final year project
Co-director of thesis: Jesús Cerquides
Entity: Universitat de Barcelona **Type of entity:** University
Student: Martín Azpillaga Aldalur
Date of reading: 2016

18 Project title: Automated synthesis of norms in social networks

Type of project: Master
Co-director of thesis: Maite López Sánchez
Entity: Universitat de Barcelona **Type of entity:** University
Student: Iosu Mendizabal Borda
Date of reading: 30/04/2015



- 19** **Project title:** Norm crowdsourcing
Type of project: Master
Co-director of thesis: Maite López Sánchez
Entity: Universitat de Barcelona **Type of entity:** University
Student: David Sánchez Pinsach
Date of reading: 30/04/2015
- 20** **Project title:** Approximate algorithms for decentralized supply chain formation
Type of project: Doctoral thesis
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat de Barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Antonio Peña Alba
Obtained qualification: Sobresaliente cum laude
Date of reading: 2014
- 21** **Project title:** Scaling DCOP algorithms for cooperative multi-agent coordination
Type of project: Doctoral thesis
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Marc Pujol González
Obtained qualification: Sobresaliente cum laude
Date of reading: 2014
European doctorate: Yes
- 22** **Project title:** Moderación automática de redes sociales
Type of project: Bachelor final year project
Entity: Universidad de Mondragón **Type of entity:** University
Student: Iosu Mendizabal Borda
Date of reading: 2013
- 23** **Project title:** Scalable Decentralized Supply Chain Formation through Binarized Belief Propagation
Type of project: Master
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat de Barcelona **Type of entity:** University
Student: Toni Peña Alba
Date of reading: 30/01/2012
- 24** **Project title:** Exploiting the Structure of Distributed Constraint Optimization Problems to Assess and Bound Coordination Actions in Multi-Agent Systems
Type of project: Doctoral thesis
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Meritxell Vinyals Salgado
Obtained qualification: Sobresaliente cum laude
Date of reading: 23/05/2011
Date of recognition: 2011
Quality recognition: Yes



- 25** **Project title:** Distributed Constraint Optimization Problems by divide-and-coordinate: a Lagrangian approach
Type of project: Master
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Marc Pujol González
Date of reading: 07/09/2009
- 26** **Project title:** Normative regulation of open multi-agent systems
Type of project: Doctoral thesis
Co-director of thesis: Wamberto Vasconcelos; Pablo Noriega
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Andrés García Camino
Obtained qualification: Sobresaliente cum laude
Date of reading: 2009
Quality recognition: Yes
- 27** **Project title:** Empirical Hardness for Mixed Multi-unit Combinatorial Auctions
Type of project: Master
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Pablo Almajano
Date of reading: 17/09/2008
- 28** **Project title:** Computationally-manageable combinatorial auctions for supply chain automation
Type of project: Doctoral thesis
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Andrea Giovannucci
Obtained qualification: Sobresaliente cum laude
Date of reading: 2008
Quality recognition: Yes
- 29** **Project title:** On the Empirical Evaluation of Mixed Multi-unit Combinatorial Auctions
Type of project: Master
Co-director of thesis: Jesús Cerquides Bueno
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Meritxell Vinyals Salgado
Date of reading: 05/07/2007
- 30** **Project title:** On norm adaptation in multi-agent Systems
Type of project: Master
Co-director of thesis: Maite López Sánchez
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Eva Bou
Date of reading: 27/06/2007
- 31** **Project title:** Norm-oriented Programming of Electronic Institutions
Type of project: Master
Co-director of thesis: Pablo Noriega
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Andrés García Camino



Date of reading: 01/06/2006

32 Project title: Auctioning Transformable Goods

Type of project: Master

Co-director of thesis: Jesús Cerquides Bueno

Entity: Universitat Autònoma de Barcelona

Student: Andrea Giovannucci

Date of reading: 01/05/2006

Type of entity: University

33 Project title: Construcció d'equips de robots futbolistes adaptatius

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: Xavier Pàmies Blesa

Date of reading: 2005

Type of entity: University

34 Project title: Desarrollo de un testbed para mercados de subastas electrónicas

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: David Gutiérrez

Date of reading: 2005

Type of entity: University

35 Project title: Subastas combinatorias

Type of project: Bachelor final year project

Entity: Universitat Politècnica de Catalunya

Student: Pedro Eloy Gómez Martí

Date of reading: 2000

Type of entity: University

36 Project title: W3FM

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: Juan Luís de Amaya

Date of reading: 2000

Type of entity: University

37 Project title: Diseño e implementación de protocolos de subasta para mercados de subastas electrónicas

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: Miguel Mateos López

Date of reading: 1999

Type of entity: University

38 Project title: Monitorización de subastas electrónicas distribuidas

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: Oscar Molina Baltanas

Date of reading: 1999

Type of entity: University

39 Project title: Monitorización de subastas

Type of project: Bachelor final year project

Entity: Universitat Autònoma de Barcelona

Student: Francisco Javier Giménez Bruque

Date of reading: 1997

Type of entity: University



Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** ACISUD: Técnicas Avanzadas de Inteligencia Computacional Usadas en Beneficio del Desarrollo Sostenible (PID2022-136787NB-I00)
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Christian Blum; Juan A. Rodríguez-Aguilar
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Público
Type of participation: Principal investigator
Start-End date: 01/09/2023 - 31/07/2026 **Duration:** 3 years
Total amount: 183.500 €
- 2** **Name of the project:** Desafía2030: Desarrollo de una estrategia de formación y seguimiento de los desafíos éticos del uso de la inteligencia Artificial en una perspectiva 2030 (BILTC22005)
Degree of contribution: Researcher
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Pablo Noriega
Funding entity or bodies:
Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Type of participation: Team member
Start-End date: 01/01/2023 - 31/12/2024 **Duration:** 1 year - 11 months - 30 days
Total amount: 48.000 €
- 3** **Name of the project:** VAE: Value-aware Engineering (TED2021-131295B-C31)
Degree of contribution: Researcher
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Nardine Osman
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Público
Type of participation: Team member
Start-End date: 01/12/2022 - 30/11/2024 **Duration:** 1 year - 11 months - 29 days
Total amount: 667.460 €
- 4** **Name of the project:** Control of Agent-based Systems (COABS)
Degree of contribution: Researcher
Entity where project took place: Massachusetts Institute of Technology **Type of entity:** University
City of entity: Boston, United States of America
Name principal investigator (PI, Co-PI....): Mark Klein

**Funding entity or bodies:**

Defense Advanced Research Projects Agency (DARPA)

Type of entity: Public Research Body**Type of participation:** Team member**Start-End date:** 01/1998 - 12/2023**Duration:** 5 years - 11 months

- 5 Name of the project:** CI-SUSTAIN, Inteligencia Computacional Avanzada Para Alcanzar Objetivos De Desarrollo Sostenible (PID2019-104156GB-I00)

Degree of contribution: Researcher**Entity where project took place:** Instituto de Investigación en Inteligencia Artificial**Name principal investigator (PI, Co-PI....):** Christian Blum**Funding entity or bodies:**

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Público**Type of participation:** Team member**Start-End date:** 01/06/2020 - 31/05/2023**Duration:** 3 years**Total amount:** 102.850 €

- 6 Name of the project:** Nou format audiovisual amb funcionalitats tecnològiques avançades per a l'aprenentatge: nanoMOOCs (COMRDI18-1-0010-03)

Degree of contribution: Researcher**Entity where project took place:** Instituto de Investigación en Inteligencia Artificial**Name principal investigator (PI, Co-PI....):** Jordi Sabater**Funding entity or bodies:**

Generalitat de Catalunya

Type of entity: Público**Type of participation:** Team member**Start-End date:** 01/04/2019 - 18/01/2022**Duration:** 2 years - 9 months - 17 days**Total amount:** 109.057,36 €

- 7 Name of the project:** Tecnologías para potencia colectivos humanos en la red eléctrica inteligente (TIN2015-66863-C2-1-R)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial**Name principal investigator (PI, Co-PI....):** Juan Antonio Rodríguez Aguilar**Funding entity or bodies:**

Ministerio de Economía y Competitividad

Type of participation: Principal investigator**Start-End date:** 01/01/2016 - 31/12/2018**Duration:** 2 years - 11 months - 30 days**Total amount:** 63.646 €

- 8 Name of the project:** Sistemas multiagente (201550E040)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial**Name principal investigator (PI, Co-PI....):** Juan Antonio Rodríguez Aguilar**Funding entity or bodies:**

Consejo Superior de Investigaciones Científicas

Type of entity: State agency**Type of participation:** Principal investigator**Start-End date:** 10/05/2015 - 31/12/2018**Duration:** 3 years - 7 months - 21 days**Total amount:** 57.854,28 €



- 9** **Name of the project:** The digital reconstruction of the prehistoric past: virtual reality and artificial intelligence for understanding social life in the Neolithic
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Raquel Piqué; Juan Antonio Rodríguez Aguilar
Funding entity or bodies:
Obra Social Fundación la Caixa **Type of entity:** Foundation
Type of participation: Principal investigator
Start-End date: 28/02/2016 - 28/02/2018 **Duration:** 2 years
Total amount: 100.000 €
- 10** **Name of the project:** Colaboraciones virtuales robustas
Degree of contribution: Researcher
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Jesús Cerquides Bueno
Funding entity or bodies:
Ministerio de Economía y Competitividad REFERENCIA: TIN2012-38876-C02-01
Type of participation: Team member
Start-End date: 01/01/2013 - 31/12/2015 **Duration:** 2 years - 11 months - 30 days
Total amount: 76.869 €
- 11** **Name of the project:** Modelos económicos para colaboraciones en red
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Juan A. Rodríguez Aguilar
Funding entity or bodies:
Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Type of participation: Principal investigator
Start-End date: 01/10/2012 - 30/09/2014 **Duration:** 1 year - 11 months - 29 days
Total amount: 41.335 €
- 12** **Name of the project:** ENGINEERING SELF-* VIRTUALLY-EMBEDDED SYSTEMS (TIN2009-14702-C02-01)
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Marc Esteva Vivanco
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Investigación
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Start-End date: 01/10/2009 - 30/09/2012 **Duration:** 2 years - 11 months - 29 days
Total amount: 145.321 €
- 13** **Name of the project:** Agreement Technologies (CONSOLIDER CSD2007-0022)
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Carles Sierra
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain



Type of participation: Team member
Start-End date: 01/09/2007 - 31/08/2012 **Duration:** 5 years
Total amount: 2.619.311,25 €

14 Name of the project: IA.GIS.edera : use of Artificial Intelligence and Geographical Information Systems for endemic diseases risk analysis (P2007BR01)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Lluís Godo

Funding entity or bodies: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Type of participation: Team member
Start-End date: 01/01/2008 - 31/12/2009 **Duration:** 1 year - 11 months - 30 days
Total amount: 12.000 €

15 Name of the project: Autonomic Electronic Institutions (TIN2006-15662-C02-01)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency

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

Funding entity or bodies: MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Principal investigator
Start-End date: 01/10/2006 - 30/09/2009 **Duration:** 2 years - 11 months - 29 days
Total amount: 266.200 €

16 Name of the project: Social Knowledge for e-Governance (FP6-2004-CITIZEN-5)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Rosaria Conte

Funding entity or bodies: Comisión Europea **Type of entity:** Comisión Europea

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member
Start-End date: 01/04/2006 - 31/03/2009 **Duration:** 3 years
Total amount: 1.999.984 €

17 Name of the project: OpenKnowledge (FP6-027253)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency

City of entity: Bellaterra, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Dave Robertson

Funding entity or bodies: Comisión Europea **Type of entity:** Público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member
Start-End date: 01/01/2006 - 31/12/2008 **Duration:** 3 years
Total amount: 3.875.000 €



- 18 Name of the project:** Self-Organisation in Electronic Institutions (2006 5 OI 099)
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Juan Antonio Rodríguez Aguilar
Funding entity or bodies: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Start-End date: 17/07/2006 - 31/12/2007 **Duration:** 1 year - 5 months - 14 days
Total amount: 30.000 €
- 19 Name of the project:** Electronic Institutions
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Pablo Noriega
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Pública
Type of participation: Team member
Start-End date: 01/01/2004 - 31/12/2006 **Duration:** 2 years - 11 months - 30 days
Total amount: 343.080 €
- 20 Name of the project:** Simweb (IST-2001-34651)
Degree of contribution: Researcher
Entity where project took place: Intelligent Software Components, S.A. **Type of entity:** Business
Name principal investigator (PI, Co-PI....): Gilbert Pepper
Funding entity or bodies: Comisión Europea **Type of entity:** Público
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Start-End date: 01/03/2002 - 28/02/2005 **Duration:** 2 years - 11 months
Total amount: 1.844.000 €
- 21 Name of the project:** iBundler, Intelligent Bundler (ACNET.02.49)
Entity where project took place: Intelligent Software Components, S.A. **Type of entity:** Business
Name principal investigator (PI, Co-PI....): Juan Antonio Rodríguez Aguilar
Funding entity or bodies: Comisión Europea **Type of entity:** Comisión Europea
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 07/2002 - 12/2002 **Duration:** 5 months
- 22 Name of the project:** Multiagent Systems and their application to Hospital Services (TIC96-1038-C04001)
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Lluís Godo Lacasa
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** ---



City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/08/1996 - 31/07/2001

Duration: 4 years - 11 months - 30 days

Total amount: 144.000 €

23 Name of the project: VALAWAI: Value-Aware Artificial Intelligence (H2020-825619)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Carles Sierra

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Team member

Start date: 01/10/2022

Duration: 3 years - 11 months - 29 days

Total amount: 975.669,09 €

24 Name of the project: HumanE-AI-Net, HumanE AI Network (H2020-952026)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Jesús Cerquides

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Team member

Start date: 01/09/2020

Duration: 3 years

Total amount: 11.996.875 €

25 Name of the project: TAILOR, Foundations of Trustworthy AI - Integrating Reasoning, Learning and Optimization (H2020-952215)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Name principal investigator (PI, Co-PI....): Carles Sierra

Funding entity or bodies:

Comisión Europea

Type of entity: Pública

Type of participation: Team member

Start date: 01/06/2020

Duration: 2 years - 11 months - 29 days

Total amount: 12.000.000 €

26 Name of the project: CROWD4SDG, Citizen Science for Monitoring Climate Impacts and Achieving Climate Resilience (H2020-872944)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Jesús Cerquides

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Team member

Start date: 01/05/2020

Duration: 2 years - 11 months - 29 days

Total amount: 1.999.436,25 €

27 Name of the project: Humane-AI, Toward AI Systems That Augment and Empower Humans by Understanding Us, our Society and the World Around Us (H2020-820437)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency



Name principal investigator (PI, Co-PI....): Ramon López de Mántaras

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Team member

Start date: 01/03/2019

Duration: 1 year - 1 month

Total amount: 999.250 €

28 Name of the project: AI4EU, A European AI On Demand Platform and Ecosystem (H2020-825619)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

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

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Principal investigator

Start date: 01/01/2019

Duration: 2 years - 11 months - 30 days

Total amount: 20.000.000 €

29 Name of the project: LOGISTAR: Enhanced data management techniques for real time logistics planning and scheduling (H2020-769142)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Name principal investigator (PI, Co-PI....): Jorge Levy

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Team member

Start date: 01/04/2018

Duration: 3 years - 29 days

Total amount: 4.997.548,75 €

30 Name of the project: Collectiveware: Highly-parallel algorithms for collective intelligence (H2020-751608)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

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

Funding entity or bodies:

Comisión Europea

Type of entity: Público

Type of participation: Principal investigator

Start date: 16/06/2017

Duration: 1 year - 11 months - 29 days

Total amount: 158.121,6 €

31 Name of the project: VIM: A Virtual Multicomputer (ERBCHRXCT9304001)

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Carles Sierra

Funding entity or bodies:

CEE Proyecto Human Capital and Mobility

Start date: 1994

Duration: 3 years

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

- 1** **Name of the project:** UNICEF - Yoma Operational Research
Name principal investigator (PI, Co-PI....): Juan Antonio Rodriguez Aguilar
Funding entity or bodies:
Botnar Foundation
Start date: 01/06/2022 **Duration:** 2 years
Total amount: 101.370 €

- 2** **Name of the project:** AVI-IA: SISTEMA DE ASISTENCIA VIRTUAL PARA LA GESTIÓN DE PROVEEDORES Y PROCESOS DE COMPRA CON INTELIGENCIA ARTIFICIAL
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Juan Antonio Rodriguez Aguilar
Funding entity or bodies:
ITBID TECHNOLOGIES 2002 S.L. **Type of entity:** Business
Start date: 08/10/2021
Total amount: 144.595 €

- 3** **Name of the project:** AMATE, ANALISIS TERAPEUTICO DE COMPORTAMIENTO A TRAVES DE TECNICAS DE DATA-MINING APLICADO AL AUTISMO
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Degree of contribution: Researcher
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Josep Lluís Arcos Rosell
Funding entity or bodies:
NARADA ROBOTICS SL
Start date: 01/12/2014
Total amount: 17.545 €

- 4** **Name of the project:** TAP – Turismo inteligente y accesible para personas con autonomía personal limitada
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Degree of contribution: Researcher
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Name principal investigator (PI, Co-PI....): Pedro García Calvés
Funding entity or bodies:
IPLUSD INNOVA S.L. **Type of entity:** Business
Start date: 01/10/2012 **Duration:** 1 year - 11 months - 29 days
Total amount: 125.840 €

- 5** **Name of the project:** GEAR: Strategic management of high-performance sales teams
Entity where project took place: Instituto de Investigación en Inteligencia Artificial
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Investigación en Inteligencia Artificial **Type of entity:** State agency



Name principal investigator (PI, Co-PI....): Carles Sierra

Funding entity or bodies:

Enzyme Advising Consulting

Type of entity: Business

Start date: 06/05/2012

Duration: 1 year - 3 days

Total amount: 50.000 €

6 Name of the project: i-TIM: Sistema Multiagente Inteligente para el Transporte Internacional de Mercancías

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Degree of contribution: Researcher

Entity where project took place: Instituto de Investigación en Inteligencia Artificial

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Pedro García Calvés

Funding entity or bodies:

Transports Padrosa S. L.

Type of entity: Business

Start date: 01/03/2009

Duration: 1 year - 6 months

Total amount: 91.850 €

7 Name of the project: DESARROLLO DE SOFTWARE Y APOYO TECNOLÓGICO PARA EL DESARROLLO DE LA PLATAFORMA DE STRATEGIC SOURCING (OTT 20080253)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Juan Antonio Rodríguez Aguilar

Funding entity or bodies:

Intelligent Software Components, S.A.

Type of entity: Business

Start date: 01/11/2007

Duration: 1 year - 1 month - 30 days

8 Name of the project: TRABAJO DE APOYO TECNOLÓGICO REFERENTE A LA REALIZACIÓN DE ESTUDIOS, ENSAYOS, INFORMES, DICTÁMENES TÉCNICOS, ASESORÍA CIENTÍFICO-TÉCNICA, ANÁLISIS DE PRODUCTOS EMPRESA DEL CONTRATO (010108070001)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Juan Antonio Rodríguez Aguilar

Funding entity or bodies:

Intelligent Software Components, S.A.

Type of entity: Business

Start date: 01/01/2007

Duration: 11 months - 30 days

9 Name of the project: TRABAJO DE APOYO TECNOLÓGICO REFERENTE A LA REALIZACIÓN DE ESTUDIOS, ENSAYOS, INFORMES, DICTÁMENES TÉCNICOS, ASESORÍA CIENTÍFICO-TÉCNICA, ANÁLISIS DE PRODUCTOS EMPRESA DEL CONTRATO: Intelligent Software Components, S. A. (010108060002)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Juan Antonio Rodríguez Aguilar

Funding entity or bodies:

Intelligent Software Components, S.A.

Type of entity: Business

Start date: 01/01/2006

Duration: 11 months - 30 days

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** ALGORITHM FOR TEAM ALLOCATION TO TASKS
Type of industrial property: Software
Inventors/authors/obtainers: Carles Sierra; Juan Antonio Rodríguez Aguilar
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 8350/2021
Country of inscription: Spain
Conferral date: 20/12/2021
Companies: Enzyme Advising Group

- 2** **Title registered industrial property:** Synergistic team composition
Inventors/authors/obtainers: Filippo Bistaffa; Christian Clemens Blum; Juan Antonio Rodríguez Aguilar; Carles Sierra
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 2301/2020
Country of inscription: Spain
Conferral date: 29/06/2020
Companies: CHANGE MANAGEMENT TOOLS SL

- 3** **Title registered industrial property:** Procedimiento, sistema, programa informatico, y sistema informatico para optimizar el rendimiento de una red de comparticion de viajes en linea
Type of industrial property: Patente solicitada prioritaria
Inventors/authors/obtainers: Juan Antonio Rodríguez Aguilar; Filippo Bistaffa; Christian Blum; Jesús Cerquides
Entity holder of rights: Consejo Superior de Investigaciones Científicas y Universidad Autónoma de Barcelona
Nº of application: 201930873

- 4** **Title registered industrial property:** Programa de ordenador "A computational method for large-scale ridesharing (CoMe4Ride)"
Type of industrial property: Software
Inventors/authors/obtainers: Juan Antonio Rodríguez Aguilar; Filippo Bistaffa; Christian Blum; Jesús Cerquides
Entity holder of rights: Consejo Superior de Investigaciones Científicas y Universidad Autónoma de Barcelona
Nº of application: 3757/2019

- 5** **Title registered industrial property:** Programa de ordenador "Entorno de desarrollo de realidad virtual del yacimiento neolítico de La Draga"
Type of industrial property: Software
Inventors/authors/obtainers: Juan Antonio Rodríguez Aguilar; Josep Lluís Arcos; Sergi Cebrián; Xavier Terrades Batlle; Raquel Piqué Huerta; Núria Morera Noguer; Iván Campana; Antoni Palomo Pérez; Juan Antonio Barceló Álvarez
Entity holder of rights: Consejo Superior de Investigaciones Científicas y Universidad Autónoma de Barcelona
Nº of application: 2281/2019



Companies: Museu d'Arqueologia de Catalunya

- 6 Title registered industrial property:** Programa de ordenador "Go Strategic: componentes basados en optimización y mecanismos de decisión multi-atributo para la recomendación estratégica"

Type of industrial property: Software

Inventors/authors/obtainers: Jesús Cerquides Bueno; Patricia Gutiérrez Faxas; Bruno Rosell Gui; Andrea Giovannucci; Juan Antonio Rodríguez Aguilar; María Teresa López Sánchez

Entity holder of rights: Consejo Superior de Investigaciones Científicas y Universidad de Barcelona

Nº of application: 2754/2014

Companies: Change Management Tool; S. L.

Scientific and technological activities

Scientific production

H index: 44

Date of application: 25/01/2024

Source of H-Index: GOOGLE SCHOLAR

Publications, scientific and technical documents

- 1** Manel Rodríguez Soto; Maite López Sánchez; Juan A Rodríguez Aguilar. Multi-objective reinforcement learning for designing ethical multi-agent environments. Neural computing and applications. Springer, 2023.

Type of production: Scientific paper

Format: Journal

Corresponding author: No

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 6.0

Journal in the top 25%: No

Position of publication: 41

No. of journals in the cat.: 145

Relevant publication: Yes

- 2** Aggregating value systems for decision support. 2024.

Type of production: Scientific paper

- 3** Jordi Ganzer; Natalia Criado; Maite López Sánchez; Simon Parsons; Juan A. Rodríguez Aguilar. A Model to Support Collective Reasoning: Formalization, Analysis and Computational Assessment. J. Artif. Intell. Res.77, pp. 1021 - 1086. 2023. Available on-line at: <<https://doi.org/10.1613/jair.1.14409>>.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 5.0

Journal in the top 25%: No

Position of publication: 54

No. of journals in the cat.: 145

- 4** F. Salas-Molina; F. Bistaffa; J.A. Rodríguez-Aguilar. A general approach for computing a consensus in group decision making that integrates multiple ethical principles. Socio-Economic Planning Sciences. 89, 2023. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166577239&doi=10.1016%2fj.seps.2023.101694&partnerID=40&md5=52dd94568e8b9d65a58dca249f2d7f53>>

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 6.1
Position of publication: 38

Format: Journal
Category: Social Sciences Edition - ECONOMICS
Journal in the top 25%: Yes
No. of journals in the cat.: 380

- 5** F. Salas-Molina; J.A. Rodríguez-Aguilar; M. Guillen. A multidimensional review of the cash management problem. *Financial Innovation*. 9 - 1, 2023. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150745679&doi=10.1186%2fs40854-023-00473-7&partnerID=40&md5=9e3eface91e7e0525adf70871dcca98a>>

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 8.4
Position of publication: 1

Format: Journal
Category: Social Sciences Edition - SOCIAL SCIENCES, MATHEMATICAL METHODS
Journal in the top 25%: Yes
No. of journals in the cat.: 53

- 6** Francisco Salas-Molina; David Plà-Santamaria; Juan A. Rodríguez-Aguilar. An analytic derivation of the efficient frontier in biobjective cash management and its implications for policies. *Ann. Oper. Res.* 328 - 2, pp. 1523 - 1536. 2023. Available on-line at: <<https://doi.org/10.1007/s10479-023-05433-z>>

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.8
Position of publication: 21

Format: Journal
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 86

- 7** Marc Serramia; Maite López-Sánchez; Stefano Moretti; Juan A. Rodríguez-Aguilar. Building rankings encompassing multiple criteria to support qualitative decision-making. *Inf. Sci.* 631, pp. 288 - 304. 2023. Available on-line at: <<https://doi.org/10.1016/j.ins.2023.02.063>>

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 8.1
Position of publication: 13

Format: Journal
Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 158

- 8** Encoding Ethics to Compute Value-Aligned Norms. 2023.

Type of production: Scientific paper

- 9** Carlos Ansótegui; Michael Wooldridge; Paula Boddington; Filippo Bistaffa; Juan A. Rodríguez-Aguilar; Maite López-Sánchez; Manel Rodríguez-Soto; Marc Serramia. Encoding Ethics to Compute Value-Aligned Norms. *Minds and Machines*. Springer, 2023.

Type of production: Scientific paper
Corresponding author: No
Impact source: ISI
Impact index in year of publication: 7.4
Position of publication: 34

Format: Journal
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 145

- 10** M. Rodríguez-Soto; M. Lopez-Sanchez; J.A. Rodríguez-Aguilar. Multi-objective reinforcement learning for designing ethical multi-agent environments. *Neural Computing and Applications*. 2023. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168613378&doi=10.1007%2fs00521-023-08898-y&partnerID=40&md5=271ad39ce38361aad7e3a2206bb6596d>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 6.0**Position of publication:** 41**Format:** Journal**Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 145

- 11** A. Georgara; R. Kazhamiakin; O. Mich; A. Palmero Approsio; J.-C. Pazzaglia; J.A. Rodríguez Aguilar; C. Sierra. The AI4Citizen pilot: Pipelining AI-based technologies to support school-work alternation programmes. Applied Intelligence. 2023. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164946158&doi=10.1007%2fs10489-023-04758-3&partnerID=40&md5=ecd7501fab3484137293c1cd693acc0f>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 5.3**Position of publication:** 48**Format:** Journal**Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 145

- 12** Manel Rodríguez-Soto; Marc Serramia; Maite López-Sánchez; Juan Antonio Rodríguez-Aguilar. Instilling moral value alignment by means of multi-objective reinforcement learning. Ethics Inf. Technol.24 - 1, pp. 9 - 9. 2022. Available on-line at: <<https://doi.org/10.1007/s10676-022-09635-0>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 3.6**Position of publication:** 9**Format:** Journal**Category:** Social Sciences Edition - ETHICS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 13** Filippo Bistaffa; Christian Blum; Jesús Cerquides; Alessandro Farinelli; Juan A. Rodríguez-Aguilar. A Computational Approach to Quantify the Benefits of Ridesharing for Policy Makers and Travellers. IEEE Trans. Intell. Transp. Syst.22 - 1, pp. 119 - 130. 2021. Available on-line at: <<https://doi.org/10.1109/TITS.2019.2954982>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 9.551**Position of publication:** 4**Format:** Journal**Category:** Science Edition - ENGINEERING, CIVIL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 138

- 14** Angeles Manjarrés Riesco; Celia Fernández-Aller; Maite López-Sánchez; Juan Antonio Rodríguez-Aguilar; Manuel Sierra-Castañer. Artificial Intelligence for a Fair, Just, and Equitable World. IEEE Technol. Soc. Mag.40 - 1, pp. 19 - 24. 2021. Available on-line at: <<https://doi.org/10.1109/MTS.2021.3056292>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 1.5**Position of publication:** 216**Format:** Journal**Category:** Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 276

- 15** Marc Serramia; Maite López-Sánchez; Stefano Moretti; Juan Antonio Rodríguez-Aguilar. On the dominant set selection problem and its application to value alignment. Auton. Agents Multi Agent Syst.35 - 2, pp. 42 - 42. 2021. Available on-line at: <<https://doi.org/10.1007/s10458-021-09519-5>>

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 2.475**Position of publication:** 39**Format:** Journal**Category:** Science Edition - AUTOMATION & CONTROL SYSTEMS**Journal in the top 25%:** No**No. of journals in the cat.:** 63

- 16** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar; David Plà-Santamaria; Ana Garcia-Bernabeu. On the formal foundations of cash management systems. *Oper. Res.*21 - 2, pp. 1081 - 1095. 2021. Available on-line at: <<https://doi.org/10.1007/s12351-019-00464-6>>.
- Type of production:** Scientific paper
Impact source: ISI
Impact index in year of publication: 2.708
Position of publication: 39
- Format:** Journal
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: No
No. of journals in the cat.: 87
- 17** Jesús Cerquides; Juan A. Rodríguez-Aguilar; Rémi Emonet; Gauthier Picard. Solving Highly Cyclic Distributed Optimization Problems Without Busting the Bank: A Decimation-based Approach. *Log. J. IGPL.* 29 - 1, pp. 72 - 95. 2021. Available on-line at: <<https://doi.org/10.1093/jigpal/jzaa069>>.
- Type of production:** Scientific paper
Impact source: ISI
Impact index in year of publication: 0.868
Position of publication: 7
- Format:** Journal
Category: Logic
Journal in the top 25%: No
No. of journals in the cat.: 21
- 18** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar; David Plà-Santamaria. A stochastic goal programming model to derive stable cash management policies. *J. Glob. Optim.*76 - 2, pp. 333 - 346. 2020. Available on-line at: <<https://doi.org/10.1007/s10898-019-00770-5>>.
- Type of production:** Scientific paper
Impact source: ISI
Impact index in year of publication: 2.207
Position of publication: 60
- Format:** Journal
Category: Science Edition - MATHEMATICS, APPLIED
Journal in the top 25%: Yes
No. of journals in the cat.: 265
- 19** Anna Puig; Inmaculada Rodríguez; Josep Ll.; Juan A. Rodríguez-Aguilar; Sergi Cebrián; Anton Bogdanovych; Núria Morera; Antonio Palomo; Raquel Piqué. Lessons learned from supplementing archaeological museum exhibitions with virtual reality. *Virtual Real.*24 - 2, pp. 343 - 358. 2020. Available on-line at: <<https://doi.org/10.1007/s10055-019-00391-z>>.
- Type of production:** Scientific paper
Impact source: ISI
Impact index in year of publication: 5.025
Position of publication: 10
- Format:** Journal
Category: Science Edition - COMPUTER SCIENCE, SOFTWARE ENGINEERING
Journal in the top 25%: Yes
No. of journals in the cat.: 108
- 20** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar; David Plà-Santamaria. Characterizing compromise solutions for investors with uncertain risk preferences. *Oper. Res.*19 - 3, pp. 661 - 677. 2019. Available on-line at: <<https://doi.org/10.1007/s12351-017-0309-6>>.
- Type of production:** Scientific paper
Impact source: ISI
Impact index in year of publication: 1.759
Position of publication: 45
- Format:** Journal
Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Journal in the top 25%: No
No. of journals in the cat.: 83
- 21** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar; David Plà-Santamaria. On the use of multiple criteria distance indexes to find robust cash management policies. *INFOR Inf. Syst. Oper. Res.*57 - 3, pp. 345 - 360. 2019. Available on-line at: <<https://doi.org/10.1080/03155986.2017.1282291>>.
- Type of production:** Scientific paper
Format: Journal



Impact source: ISI

Impact index in year of publication: 0.972

Position of publication: 70

Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Journal in the top 25%: No

No. of journals in the cat.: 83

- 22** Ewa Andrejczuk; Filippo Bistaffa; Christian Blum; Juan A. Rodríguez-Aguilar; Carles Sierra. Synergistic team composition: A computational approach to foster diversity in teams. Knowl. Based Syst.182, 2019. Available on-line at: <<https://doi.org/10.1016/j.knosys.2019.06.007>>.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 5.921

Position of publication: 15

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 136

- 23** Francisco Salas-Molina; David Plà-Santamaria; Juan A. Rodríguez-Aguilar. A multi-objective approach to the cash management problem. Ann. Oper. Res.267 - 1-2, pp. 515 - 529. 2018. Available on-line at: <<https://doi.org/10.1007/s10479-016-2359-1>>.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 2.284

Position of publication: 30

Format: Journal

Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Journal in the top 25%: No

No. of journals in the cat.: 84

- 24** Pham Tran Anh Quang; Kamal Deep Singh; Juan A. Rodríguez-Aguilar; Gauthier Picard; Kandaraj Piamrat; Jesús Cerquides; César Viho. AD³-GLaM: A cooperative distributed QoE-based approach for SVC video streaming over wireless mesh networks. Ad Hoc Networks. 80, pp. 1 - 15. 2018. Available on-line at: <<https://doi.org/10.1016/j.adhoc.2018.07.005>>.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.490

Position of publication: 36

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 155

- 25** José Luís Fernández-Martínez; Maite Lopez-Sanchez; Juan A. Rodríguez-Aguilar; Dionisio Sánchez Rubio; Berenice Zambrano Nemegyei. Co-Designing participatory tools for a New Age: A proposal for combining collective and artificial intelligences. International Journal of Public Administration in the Digital Age (IJPADA). 5 - 4, pp. 1 - 17. IGI Global, 2018.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication:

Format: Journal

Category: Social Sciences Edition - INFORMATION SCIENCE & LIBRARY SCIENCE

Journal in the top 25%: No

- 26** Ewa Andrejczuk; Juan A. Rodríguez-Aguilar; Carles Sierra. Collaborative Rankings. Fundam. Informaticae. 158 - 1-3, pp. 277 - 295. 2018. Available on-line at: <<https://doi.org/10.3233/FI-2018-1649>>.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.204

Position of publication: 115

Format: Journal

Category: Science Edition - MATHEMATICS, APPLIED

Journal in the top 25%: No

No. of journals in the cat.: 254

- 27** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar. Data-driven multiobjective decision-making in cash management. *EURO Journal on Decision Processes*. 6 - 1, pp. 77 - 91. 2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2193943821000820>>. ISSN 2193-9438
Type of production: Scientific paper **Format:** Journal
- 28** Javier Morales; Michael J. Wooldridge; Juan A. Rodríguez-Aguilar; Maite López-Sánchez. Off-line synthesis of evolutionarily stable normative systems. *Auton. Agents Multi Agent Syst.*32 - 5, pp. 635 - 671. 2018. Available on-line at: <<https://doi.org/10.1007/s10458-018-9390-3>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.419 **Journal in the top 25%:** No
Position of publication: 91 **No. of journals in the cat.:** 133
- 29** Francisco Salas-Molina; Juan A. Rodríguez-Aguilar; Pablo Díaz-García. Selecting cash management models from a multiobjective perspective. *Ann. Oper. Res.*261 - 1-2, pp. 275 - 288. 2018. Available on-line at: <<https://doi.org/10.1007/s10479-017-2634-9>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE
Impact index in year of publication: 2.284 **Journal in the top 25%:** No
Position of publication: 30 **No. of journals in the cat.:** 84
- 30** Ewa Andrejczuk; Rita Berger; Juan A. Rodríguez-Aguilar; Carles Sierra; Víctor Marín-Puchades. The composition and formation of effective teams: computer science meets organizational psychology. *Knowl. Eng. Rev.*33, pp. e17 - e17. 2018. Available on-line at: <<https://doi.org/10.1017/S026988891800019X>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.814 **Journal in the top 25%:** No
Position of publication: 114 **No. of journals in the cat.:** 133
- 31** Filippo Bistaffa; Alessandro Farinelli; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Sarvapali D. Ramchurn. Algorithms for Graph-Constrained Coalition Formation in the Real World. *ACM Trans. Intell. Syst. Technol.*8 - 4, pp. 60:1 - 60:24. 2017. Available on-line at: <<https://doi.org/10.1145/3040967>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 2.973 **Journal in the top 25%:** Yes
Position of publication: 29 **No. of journals in the cat.:** 132
- 32** Francisco Cruz-Mencia; Antonio Espinosa; Juan C. Moure; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Kim Svensson; Sarvapali D. Ramchurn. Coalition structure generation problems: optimization and parallelization of the {IDP} algorithm in multicore systems. *Concurr. Comput. Pract. Exp.*29 - 5, 2017. Available on-line at: <<https://doi.org/10.1002/cpe.3969>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 1.114 **Journal in the top 25%:** No
Position of publication: 53 **No. of journals in the cat.:** 103



- 33** Antoni Palomo; Raquel Piqué; Xavier Terradas; Juan Antonio Barceló; Juan Antonio Rodríguez-Aguilar; M Buch; J Junkmanns; M de DIEGO; O López. Research, Experimentation and Outreach in the Early Neolithic Site of La Draga (Banyoles-Spain).EXARC Journal. 3, 2017.
Type of production: Scientific paper **Format:** Journal
- 34** Javier Morales; Maite López-Sánchez; Juan Antonio Rodríguez-Aguilar; Wamberto Weber Vasconcelos; Michael J. Wooldridge. Online Automated Synthesis of Compact Normative Systems. ACM Trans. Auton. Adapt. Syst.10 - 1, pp. 2:1 - 2:33. 2015. Available on-line at: <<https://doi.org/10.1145/2720024>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 1.118 **Journal in the top 25%:** No
Position of publication: 46 **No. of journals in the cat.:** 105
- 35** Juan A. Rodríguez-Aguilar; Carles Sierra; Josep Ll. Arcos; Maite López-Sánchez; Inmaculada Rodríguez. Towards next generation coordination infrastructures. Knowl. Eng. Rev.30 - 4, pp. 435 - 453. 2015. Available on-line at: <<https://doi.org/10.1017/S0269888915000090>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.039 **Journal in the top 25%:** No
Position of publication: 83 **No. of journals in the cat.:** 130
- 36** Javier Morales; Iosu Mendizabal; David Sanchez-Pinsach; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. Using IRON to build frictionless on-line communities. AI Commun.28 - 1, pp. 55 - 71. 2015. Available on-line at: <<https://doi.org/10.3233/AIC-140616>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.364 **Journal in the top 25%:** No
Position of publication: 126 **No. of journals in the cat.:** 130
- 37** Ana Peleteiro; Juan C. Burguillo; Michael Luck; Josep Ll. Arcos; Juan A. Rodríguez-Aguilar. Using reputation and adaptive coalitions to support collaboration in competitive environments. Eng. Appl. Artif. Intell.45, pp. 325 - 338. 2015. Available on-line at: <<https://doi.org/10.1016/j.engappai.2015.07.009>>.
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 **Journal in the top 25%:** Yes
Position of publication: 32 **No. of journals in the cat.:** 130
- 38** Ana Peleteiro-Ramallo; Juan C. Burguillo; Josep Ll. Arcos; Juan A. Rodríguez-Aguilar. Fostering Cooperation through Dynamic Coalition Formation and Partner Switching. ACM Trans. Auton. Adapt. Syst.9 - 1, pp. 1:1 - 1:31. 2014. Available on-line at: <<https://doi.org/10.1145/2567928>>.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 0.922 **Journal in the top 25%:** No
Position of publication: 50 **No. of journals in the cat.:** 102

- 39** Juan A. Rodríguez-Aguilar. Special Issue on Optimization in Multi-Agent Systems: Guest Editor's Introduction. *Comput. J.*57 - 6, pp. 797 - 798. 2014. Available on-line at: <<https://doi.org/10.1093/comjnl/bxu005>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.787
Position of publication: 61
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: No
No. of journals in the cat.: 102
- 40** Jordi Campos Miralles; Maite López-Sánchez; Maria Salamó; Pedro Avila; Juan A. Rodríguez-Aguilar. Robust Regulation Adaptation in Multi-Agent Systems. *ACM Trans. Auton. Adapt. Syst.*8 - 3, pp. 13:1 - 13:27. 2013. Available on-line at: <<https://doi.org/10.1145/2517328>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.785
Position of publication: 49
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: No
No. of journals in the cat.: 102
- 41** Mark d'Inverno; Michael Luck; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. Communicating open systems. *Artif. Intell.*186, pp. 38 - 94. 2012. Available on-line at: <<https://doi.org/10.1016/j.artint.2012.03.004>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.194
Position of publication: 21
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 115
- 42** Wamberto Weber Vasconcelos; Andrés García-Camino; Dorian Gaertner; Juan A. Rodríguez-Aguilar; Pablo Noriega. Distributed norm management for multi-agent systems. *Expert Syst. Appl.*39 - 5, pp. 5990 - 5999. 2012. Available on-line at: <<https://doi.org/10.1016/j.eswa.2011.11.108>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.854
Position of publication: 56
Format: Journal
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 243
- 43** Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Jesús Cerquides. A Survey on Sensor Networks from a Multiagent Perspective. *Comput. J.*54 - 3, pp. 455 - 470. 2011. Available on-line at: <<https://doi.org/10.1093/comjnl/bxq018>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.785
Position of publication: 45
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: No
No. of journals in the cat.: 99
- 44** Simon Parsons; Juan A. Rodríguez-Aguilar; Mark Klein. Auctions and bidding: A guide for computer scientists. *ACM Comput. Surv.*43 - 2, pp. 10:1 - 10:59. 2011. Available on-line at: <<https://doi.org/10.1145/1883612.1883617>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.529
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: Yes

Position of publication: 1**No. of journals in the cat.:** 99

- 45** Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Jesús Cerquides. Constructing a unifying theory of dynamic programming DCOP algorithms via the generalized distributive law. *Auton. Agents Multi Agent Syst.*22 - 3, pp. 439 - 464. 2011. Available on-line at: <<https://doi.org/10.1007/s10458-010-9132-7>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - AUTOMATION & CONTROL SYSTEMS**Impact index in year of publication:** 1.213**Journal in the top 25%:** No**Position of publication:** 23**No. of journals in the cat.:** 58

- 46** Sarvapali D. Ramchurn; Alessandro Farinelli; Juan A. Rodríguez-Aguilar. Guest editorial: Special issue on optimisation in multi-agent systems. *Auton. Agents Multi Agent Syst.*22 - 3, pp. 383 - 384. 2011. Available on-line at: <<https://doi.org/10.1007/s10458-010-9141-6>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - AUTOMATION & CONTROL SYSTEMS**Impact index in year of publication:** 1.213**Journal in the top 25%:** No**Position of publication:** 23**No. of journals in the cat.:** 58

- 47** Ana García-Fornes; Jomi F. Hübner; Andrea Omicini; Juan A. Rodríguez-Aguilar; Vicente J. Botti. Infrastructures and tools for multiagent systems for the new generation of distributed systems. *Eng. Appl. Artif. Intell.*24 - 7, pp. 1095 - 1097. 2011. Available on-line at: <<https://doi.org/10.1016/j.engappai.2011.06.012>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - ENGINEERING, MULTIDISCIPLINARY**Impact index in year of publication:** 1.665**Journal in the top 25%:** Yes**Position of publication:** 10**No. of journals in the cat.:** 90

- 48** Andrea Giovannucci; Jesús Cerquides; Ulle Endriss; Juan A. Rodríguez-Aguilar. A graphical formalism for mixed multi-unit combinatorial auctions. *Auton. Agents Multi Agent Syst.*20 - 3, pp. 342 - 368. 2010. Available on-line at: <<https://doi.org/10.1007/s10458-009-9085-x>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - AUTOMATION & CONTROL SYSTEMS**Impact index in year of publication:** 2.103**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 60

- 49** Anton Bogdanovych; Juan A. Rodríguez-Aguilar; Simeon J. Simoff; Alex Cohen. Authentic Interactive Reenactment of Cultural Heritage with 3D Virtual Worlds and Artificial Intelligence. *Appl. Artif. Intell.*24 - 6, pp. 617 - 647. 2010. Available on-line at: <<https://doi.org/10.1080/08839514.2010.492172>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 0.563**Journal in the top 25%:** No**Position of publication:** 175**No. of journals in the cat.:** 247

- 50** Andrea Giovannucci; Jesús Cerquides; Juan A. Rodríguez-Aguilar. Composing Supply Chains Through Multiunit Combinatorial Reverse Auctions With Transformability Relationships Among Goods. *IEEE Trans. Syst. Man Cybern. Part A.* 40 - 4, pp. 767 - 778. 2010. Available on-line at: <<https://doi.org/10.1109/TSMCA.2009.2037236>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.093
Position of publication: 15
Format: Journal
Category: Research and Theory
Journal in the top 25%: Yes
No. of journals in the cat.: 97
- 51** Norman Salazar; Juan A. Rodríguez-Aguilar; Josep L. Arcos. Robust coordination in large convention spaces. *AI Commun.* 23 - 4, pp. 357 - 372. 2010. Available on-line at: <<https://doi.org/10.3233/AIC-2010-0479>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.837
Position of publication: 78
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: No
No. of journals in the cat.: 108
- 52** Andrés García-Camino; Juan A. Rodríguez-Aguilar; Carles Sierra; Wamberto Weber Vasconcelos. Constraint rule-based programming of norms for electronic institutions. *Auton. Agents Multi Agent Syst.* 18 - 1, pp. 186 - 217. 2009. Available on-line at: <<https://doi.org/10.1007/s10458-008-9059-4>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.510
Position of publication: 20
Format: Journal
Category: Science Edition - AUTOMATION & CONTROL SYSTEMS
Journal in the top 25%: No
No. of journals in the cat.: 59
- 53** Thomas Agotnes; Wiebe van der Hoek; Juan A. Rodríguez-Aguilar; Carles Sierra; Michael J. Wooldridge. Multi-Modal CTL: Completeness, Complexity, and an Application. *Stud Logica.* 92 - 1, pp. 1 - 26. 2009. Available on-line at: <<https://doi.org/10.1007/s11225-009-9184-3>>.
Type of production: Scientific paper
Impact source: ISI
Format: Journal
- 54** Sarvapali D. Ramchurn; Claudio Mezzetti; Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Rajdeep K. Dash; Nicholas R. Jennings. Trust-Based Mechanisms for Robust and Efficient Task Allocation in the Presence of Execution Uncertainty. *J. Artif. Intell. Res.* 35, pp. 119 - 159. 2009. Available on-line at: <<https://doi.org/10.1613/jair.2751>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.981
Position of publication: 33
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: No
No. of journals in the cat.: 103
- 55** Meritxell Vinyals; Andrea Giovannucci; Jesús Cerquides; Pedro Meseguer; Juan A. Rodríguez-Aguilar. A test suite for the evaluation of mixed multi-unit combinatorial auctions. *J. Algorithms.* 63 - 1-3, pp. 130 - 150. 2008. Available on-line at: <<https://doi.org/10.1016/j.jalgor.2008.02.008>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.943
Position of publication: 65
Format: Journal
Category: Science Edition - MATHEMATICS, APPLIED
Journal in the top 25%: No
No. of journals in the cat.: 175



- 56** Andrea Giovannucci; Juan A. Rodríguez-Aguilar; A. Reyes; Francesc X. Noria; Jesús Cerquides. Enacting agent-based services for automated procurement. *Eng. Appl. Artif. Intell.* 21 - 2, pp. 183 - 199. 2008. Available on-line at: <<https://doi.org/10.1016/j.engappai.2007.04.006>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.397
Position of publication: 14
Format: Journal
Category: Science Edition - ENGINEERING, MULTIDISCIPLINARY
Journal in the top 25%: Yes
No. of journals in the cat.: 67
- 57** Paul Valckenaers; John A. Sauter; Carles Sierra; Juan A. Rodríguez-Aguilar. Applications and environments for multi-agent systems. *Auton. Agents Multi Agent Syst.* 14 - 1, pp. 61 - 85. 2007. Available on-line at: <<https://doi.org/10.1007/s10458-006-9002-5>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.340
Position of publication: 11
Format: Journal
Category: Science Edition - AUTOMATION & CONTROL SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 51
- 58** Jesús Cerquides; Maite López-Sánchez; Antonio Reyes-Moro; Juan A. Rodríguez-Aguilar. Enabling assisted strategic negotiations in actual-world procurement scenarios. *Electron. Commer. Res.* 7 - 3-4, pp. 189 - 220. 2007. Available on-line at: <<https://doi.org/10.1007/s10660-007-9007-4>>.
Type of production: Scientific paper
Format: Journal
- 59** Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Meritxell Vinyals; Jesús Cerquides; Ulle Endriss. Mixed multi-unit combinatorial auctions for supply chain management. *SIGecom Exch.* 7 - 1, pp. 58 - 60. 2007. Available on-line at: <<https://doi.org/10.1145/1345037.1345052>>.
Type of production: Scientific paper
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- 60** Andrés García-Camino; Juan A. Rodríguez-Aguilar; Carles Sierra; Wamberto Weber Vasconcelos. A rule-based approach to norm-oriented programming of electronic institutions. *SIGecom Exch.* 5 - 5, pp. 33 - 40. 2006. Available on-line at: <<https://doi.org/10.1145/1124566.1124571>>.
Type of production: Scientific paper
Format: Journal
- 61** Yann Chevaleyre; Paul E. Dunne; Ulle Endriss; Jérôme Lang; Michel Lemaitre; Nicolas Maudet; Julian A. Padget; Steve Phelps; Juan A. Rodríguez-Aguilar; Paulo Sousa. Issues in Multiagent Resource Allocation. *Informatica (Slovenia)*. 30 - 1, pp. 3 - 31. 2006. Available on-line at: <<http://www.informatica.si/index.php/informatica/article/view/70>>.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.221
Position of publication: 85
Source of citations: Google Scholar
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: No
No. of journals in the cat.: 87
Citations: 678
- 62** Eva Bou; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. Norm Adaptation of Autonomic Electronic Institutions with Multiple Goals. *Int. Trans. Syst. Sci. Appl.* 1 - 3, pp. 227 - 238. 2006.
Type of production: Scientific paper
Format: Journal
- 63** Josep Ll. Arcos; Marc Esteve; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. Engineering open environments with electronic institutions. *Eng. Appl. Artif. Intell.* 18 - 2, pp. 191 - 204. 2005. Available on-line at: <<https://doi.org/10.1016/j.engappai.2004.11.019>>.



Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 0.709

Position of publication: 20

Source of citations: Google Scholar

Format: Journal

Category: Science Edition - ENGINEERING, MECHANICAL

Journal in the top 25%: No

No. of journals in the cat.: 65

Citations: 255

- 64** Maite López-Sánchez; Xavier Noria; Juan A. Rodríguez-Aguilar; Nigel Gilbert. Multi-Agent Based Simulation of News Digital Markets. *Int. J. Comput. Sci. Appl.*2 - 1, pp. 7 - 14. 2005. Available on-line at: <<http://www.tmrfindia.org/ijcsa/V2I13.pdf>>.

Type of production: Scientific paper

Format: Journal

- 65** Yann Chevaleyre; Paul E. Dunne; Ulle Endriss; Jérôme Lang; Nicolas Maudet; Juan A. Rodríguez-Aguilar. Multiagent resource allocation. *Knowl. Eng. Rev.*20 - 2, pp. 143 - 149. 2005. Available on-line at: <<https://doi.org/10.1017/S0269888905000470>>.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 2.179

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 79

- 66** Mark Klein; Juan A. Rodríguez-Aguilar; Chrysanthos Dellarocas. Using Domain-Independent Exception Handling Services to Enable Robust Open Multi-Agent Systems: The Case of Agent Death. *Auton. Agents Multi Agent Syst.*7 - 1-2, pp. 179 - 189. 2003. Available on-line at: <<https://doi.org/10.1023/A:1024145408578>>.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - AUTOMATION & CONTROL SYSTEMS

Impact index in year of publication: 1.515

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 45

- 67** Francisco J. Martín; Enric Plaza; Juan A. Rodríguez-Aguilar. An infrastructure for agent-based systems: An interagent approach. *Int. J. Intell. Syst.*15 - 3, pp. 217 - 240. 2000. Available on-line at: <[https://doi.org/10.1002/\(SICI\)1098-111X\(200003\)15:3%3C217::AID-INT5%3E3.0.CO;2-N](https://doi.org/10.1002/(SICI)1098-111X(200003)15:3%3C217::AID-INT5%3E3.0.CO;2-N)>.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 0.450

Journal in the top 25%: No

Position of publication: 40

No. of journals in the cat.: 71

- 68** Ulises Cortés; Juan Antonio Rodríguez-Aguilar. Trading agents in auction-based tournaments. *INFORMATIQUE.* 1 - 1, pp. 39 - 50. 2000.

Type of production: Scientific paper

Format: Journal

- 69** Francisco J Martín; Enric Plaza; Juan A Rodríguez-Aguilar. Composing Multi-Agent Systems with Interagents. *Computación y Sistemas.* 2 - 4, pp. 183 - 190. Instituto Politécnico Nacional, 1999.

Type of production: Scientific paper

Format: Journal

- 70** Juan A. Rodríguez-Aguilar; Francisco J. Martín; Pablo Noriega; Pere Garcia; Carles Sierra. Towards a Test-Bed for Trading Agents in Electronic Auction Markets. *AI Commun.*11 - 1, pp. 5 - 19. 1998. Available on-line at: <<http://content.iospress.com/articles/ai-communications/aic146>>.



Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 0.406

Position of publication: 32

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: No

No. of journals in the cat.: 62

- 71** Enrico Liscio; Roger Lera-Leri; Filippo Bistaffa; Roel I. J. Dobbe; Catholijn M. Jonker; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Pradeep K. Murukannaiah. Inferring Values via Hybrid Intelligence. HHA1 2023: Augmenting Human Intellect - Proceedings of the Second International Conference on Hybrid Human-Artificial Intelligence. Frontiers in Artificial Intelligence and Applications. 368, pp. 373 - 378. IOS Press, 2023. Available on-line at: <<https://doi.org/10.3233/FAIA230102>>.

Type of production: Book chapter

Format: Book

- 72** Athina Georgara; Juan A. Rodríguez-Aguilar; Carles Sierra. Allocating Teams to Tasks: An Anytime Heuristic Competence-Based Approach. 13442, pp. 152 - 170. Springer, 2022. Available on-line at: <https://doi.org/10.1007/978-3-031-20614-6_9>.

Type of production: Book chapter

Format: Book

- 73** Eric Roselló-Marín; Maite López-Sánchez; Inmaculada Rodríguez; Manel Rodríguez-Soto; Juan A. Rodríguez-Aguilar. An Ethical Conversational Agent to Respectfully Conduct In-Game Surveys. 356, pp. 335 - 344. {IOS} Press, 2022. Available on-line at: <<https://doi.org/10.3233/FAIA220356>>.

Type of production: Book chapter

Format: Book

- 74** Athina Georgara; Juan A. Rodríguez-Aguilar; Carles Sierra. Privacy-Aware Explanations for Team Formation. 13753, pp. 543 - 552. Springer, 2022. Available on-line at: <https://doi.org/10.1007/978-3-031-21203-1_32>.

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Format: Book

- 75** Maite López-Sánchez; Marc Serramia; Juan A. Rodríguez-Aguilar. Improving On-Line Debates by Aggregating Citizen Support. 339, pp. 425 - 434. {IOS} Press, 2021. Available on-line at: <<https://doi.org/10.3233/FAIA210163>>.

Type of production: Book chapter

Format: Book

- 76** Marc Serramia; Jordi Ganzer-Ripoll; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Natalia Criado; Simon Parsons; Patricio Escobar; Marc Fernández. Citizen Support Aggregation Methods for Participatory Platforms. 319, pp. 9 - 18. {IOS} Press, 2019. Available on-line at: <<https://doi.org/10.3233/FAIA190102>>.

Type of production: Book chapter

Format: Book

- 77** Marc Serramia; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Patricio Escobar. Optimising Participatory Budget Allocation: The Decidim Use Case. 319, pp. 193 - 202. {IOS} Press, 2019. Available on-line at: <<https://doi.org/10.3233/FAIA190124>>.

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Format: Book

- 78** Jesús Cerquides; Rémi Emonet; Gauthier Picard; Juan A. Rodríguez-Aguilar. DECIMAXSUM: Using Decimation to Improve Max-Sum on Cyclic DCOPs. 308, pp. 27 - 36. {IOS} Press, 2018. Available on-line at: <<https://doi.org/10.3233/978-1-61499-918-8-27>>.

Type of production: Book chapter

Format: Book

- 79** Ewa Andrejczuk; Filippo Bistaffa; Christian Blum; Juan A. Rodríguez-Aguilar; Carles Sierra. Heterogeneous Teams for Homogeneous Performance. 11224, pp. 89 - 105. Springer, 2018. Available on-line at: <https://doi.org/10.1007/978-3-030-03098-8_6>.

Type of production: Book chapter

Format: Book



- 80** Ewa Andrejczuk; Juan A. Rodríguez-Aguilar; Carles Sierra. A Concise Review on Multiagent Teams: Contributions and Research Opportunities. 10207, pp. 31 - 39. Springer, 2016. Available on-line at: <https://doi.org/10.1007/978-3-319-59294-7_3>.
Type of production: Book chapter **Format:** Book
- 81** Jordi Ganzer-Ripoll; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. A Multi-agent Argumentation Framework to Support Collective Reasoning. 10238, pp. 100 - 117. 2016. Available on-line at: <https://doi.org/10.1007/978-3-319-57285-7_7>.
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- 83** Juan A. Rodríguez-Aguilar; Marc Serramia; Maite López-Sánchez. Aggregation Operators to Support Collective Reasoning. 9880, pp. 3 - 14. Springer, 2016. Available on-line at: <https://doi.org/10.1007/978-3-319-45656-0_1>.
Type of production: Book chapter **Format:** Book
- 84** Ewa Andrejczuk; Juan A. Rodríguez-Aguilar; Carles Sierra. Collaborative Judgement. 9387, pp. 631 - 639. Springer, 2015. Available on-line at: <https://doi.org/10.1007/978-3-319-25524-8_46>.
Type of production: Book chapter **Format:** Book
- 85** Jesús Cerquides; Gauthier Picard; Juan A. Rodríguez-Aguilar. Defining and solving the energy allocation problem with continuous prosumers. 277, pp. 29 - 38. {IOS} Press, 2015. Available on-line at: <<https://doi.org/10.3233/978-1-61499-578-4-29>>.
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- 86** Francisco Cruz-Mencia; Jesús Cerquides; Antonio Espinosa; Juan C. Moure; Juan A. Rodríguez-Aguilar. Parallelisation and Application of AD³ as a Method for Solving Large Scale Combinatorial Auctions. 9037, pp. 153 - 168. Springer, 2015. Available on-line at: <https://doi.org/10.1007/978-3-319-19282-6_10>.
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- 88** Alessandro Ricci; Juan A. Rodríguez-Aguilar; Ander Pijoan; Franco Zambonelli. Mixed Environments for MAS: Bringing Humans in the Loop. 9068, pp. 52 - 60. Springer, 2014. Available on-line at: <https://doi.org/10.1007/978-3-319-23850-0_4>.
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- 89** Javier Morales; Iosu Mendizabal; David Sanchez-Pinsach; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. Applying IRON to a Virtual Community Scenario. 256, pp. 316 - 325. {IOS} Press, 2013. Available on-line at: <<https://doi.org/10.3233/978-1-61499-320-9-316>>.
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- 90** Marc Pujol-Gonzalez; Jesús Cerquides; Pedro Meseguer; Juan A. Rodríguez-Aguilar; Milind Tambe. Engineering the Decentralized Coordination of UAVs with Limited Communication Range. 8109, pp. 199 - 208. Springer, 2013. Available on-line at: <https://doi.org/10.1007/978-3-642-40643-0_21>.
Type of production: Book chapter **Format:** Book



- 91** Andrés García-Camino; Juan A. Rodríguez-Aguilar; Carles Sierra; Wamberto Weber Vasconcelos. A Distributed Architecture for Norm-Aware Agent Societies: A Retrospective. 7169, pp. 102 - 110. Springer, 2011. Available on-line at: <https://doi.org/10.1007/978-3-642-29113-5_10>.
Type of production: Book chapter **Format:** Book
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- 93** Mark d'Inverno; Michael Luck; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. Weaving a Fabric of Socially Aware Agents. 7047, pp. 263 - 274. Springer, 2011. Available on-line at: <https://doi.org/10.1007/978-3-642-25044-6_21>.
Type of production: Book chapter **Format:** Book
- 94** Thomas Agotnes; Wiebe van der Hoek; Juan A. Rodríguez-Aguilar; Carles Sierra; Michael J. Wooldridge. A Temporal Logic of Normative Systems. Towards Mathematical Philosophy. 28, pp. 69 - 106. Springer, 2009. Available on-line at: <https://doi.org/10.1007/978-1-4020-9084-4_5>.
Type of production: Book chapter **Format:** Book
- 95** Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. An Infection-Based Mechanism in Large Convention Spaces. 6069, pp. 273 - 288. Springer, 2009. Available on-line at: <https://doi.org/10.1007/978-3-642-14962-7_18>.
Type of production: Book chapter **Format:** Book
- 96** Anton Bogdanovych; Juan A. Arcos; Simeon J. Simoff; Alex Cohen; Carles Sierra. Developing Virtual Heritage Applications as Normative Multiagent Systems. 6038, pp. 140 - 154. Springer, 2009. Available on-line at: <https://doi.org/10.1007/978-3-642-19208-1_10>.
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- 97** Pablo Almajano; Jesús Cerquides; Juan A. Rodríguez-Aguilar. Empirical Hardness for Mixed Auctions. 5988, pp. 161 - 170. Springer, 2009. Available on-line at: <https://doi.org/10.1007/978-3-642-14264-2_17>.
Type of production: Book chapter **Format:** Book
- 98** Eva Bou; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Jaime Simao Sichman. Adapting Autonomic Electronic Institutions to Heterogeneous Agent Societies. 5368, pp. 18 - 35. Springer, 2008. Available on-line at: <https://doi.org/10.1007/978-3-642-02377-4_2>.
Type of production: Book chapter **Format:** Book
- 99** Dorian Gaertner; Juan A. Rodríguez-Aguilar; Francesca Toni. Agreeing on Institutional Goals for Multi-agent Societies. 5428, pp. 1 - 16. Springer, 2008. Available on-line at: <https://doi.org/10.1007/978-3-642-00443-8_1>.
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- 100** Jordi Campos Miralles; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Marc Esteva. Formalising Situatedness and Adaptation in Electronic Institutions. 5428, pp. 126 - 139. Springer, 2008. Available on-line at: <https://doi.org/10.1007/978-3-642-00443-8_9>.
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- 101** Andrés García-Camino; Juan A. Rodríguez-Aguilar; Wamberto Weber Vasconcelos. A Distributed Architecture for Norm Management in Multi-Agent Systems. 4870, pp. 275 - 286. Springer, 2007. Available on-line at: <https://doi.org/10.1007/978-3-540-79003-7_20>.
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- 102** Josep Ll. Arcos; Juan A. Rodríguez-Aguilar; Bruno Rosell. Engineering Autonomic Electronic Institutions. 5049, pp. 76 - 87. Springer, 2007. Available on-line at: <https://doi.org/10.1007/978-3-540-85029-8_6>.
Type of production: Book chapter **Format:** Book
- 103** Maite López-Sánchez; Sanja Bauk; Natasa Kovac; Juan A. Rodríguez-Aguilar. Punishment Policy Adaptation in a Road Junction Regulation System. 163, pp. 112 - 119. {IOS} Press, 2007. Available on-line at: <<http://www.booksonline.iospress.nl/Content/View.aspx?piid=7655>>.
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- 106** Andrés García-Camino; Pablo Noriega; Juan A. Rodríguez-Aguilar. An Algorithm for Conflict Resolution in Regulated Compound Activities. 4457, pp. 193 - 208. Springer, 2006. Available on-line at: <https://doi.org/10.1007/978-3-540-75524-1_11>.
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- 107** Josep Ll. Arcos; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. E4MAS Through Electronic Institutions. 4389, pp. 184 - 202. Springer, 2006. Available on-line at: <https://doi.org/10.1007/978-3-540-71103-2_11>.
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- 114** Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Jesús Cerquides. Auctioning Substitutable Goods. 131, pp. 381 - 388. IOS Press, 2005. Available on-line at: <<http://www.booksonline.iospress.nl/Content/View.aspx?piid=1129>>.
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Type of production: Scientific book or monograph **Format:** Book
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Type of production: Scientific book or monograph **Format:** Book
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Type of production: Scientific book or monograph **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** Value Inference in Sociotechnical Systems
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2023
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Enrico Liscio; Roger Lera-Leri; Filippo Bistaffa; Roel I. J. Dobbe; Catholijn M. Jonker; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Pradeep K. Murukannaiah. "Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2023, London, United Kingdom, 29 May 2023 - 2 June 2023". pp. 1774 - 1780. ACM, 2023. Available on-line at: <<https://dl.acm.org/doi/10.5555/3545946.3598838>>.
- 2** **Title of the work:** Agent-Assisted Life-Long Education and Learning
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance



Date of event: 2022

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Tomas Trescak; Roger Lera-Leri; Filippo Bistaffa; Juan A. Rodríguez-Aguilar. "21st International Conference on Autonomous Agents and Multiagent Systems, {AAMAS} 2022, Auckland, New Zealand, May 9-13, 2022". pp. 1819 - 1823. International Foundation for Autonomous Agents and Multiagent Systems {(IFAAMAS)}, 2022. Available on-line at: <<https://www.ifaamas.org/Proceedings/aamas2022/pdfs/p1819.pdf>>.

3 Title of the work: An Anytime Heuristic Algorithm for Allocating Many Teams to Many Tasks

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2022

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Athina Georgara; Juan A. Rodríguez-Aguilar; Carles Sierra; Ornella Mich; Raman Kazhamiakin; Alessio Palmero Aprosio; Jean{-}Christophe R. Pazzaglia. "21st International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2022, Auckland, New Zealand, May 9-13, 2022". pp. 1598 - 1600. International Foundation for Autonomous Agents and Multiagent Systems {(IFAAMAS)}, 2022. Available on-line at: <<https://www.ifaamas.org/Proceedings/aamas2022/pdfs/p1598.pdf>>.

4 Title of the work: Building Contrastive Explanations for Multi-Agent Team Formation

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2022

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Athina Georgara; Juan A. Rodríguez-Aguilar; Carles Sierra. "21st International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2022, Auckland, New Zealand, May 9-13, 2022". pp. 516 - 524. International Foundation for Autonomous Agents and Multiagent Systems {(IFAAMAS)}, 2022. Available on-line at: <<https://www.ifaamas.org/Proceedings/aamas2022/pdfs/p516.pdf>>.

5 Title of the work: Towards Pluralistic Value Alignment: Aggregating Value Systems Through

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2022

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Roger Lera-Leri; Filippo Bistaffa; Marc Serramia; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. "21st International Conference on Autonomous Agents and Multiagent Systems, {AAMAS} 2022, Auckland, New Zealand, May 9-13, 2022". pp. 780 - 788. International Foundation for Autonomous Agents and Multiagent Systems {(IFAAMAS)}, 2022. Available on-line at: <<https://www.ifaamas.org/Proceedings/aamas2022/pdfs/p780.pdf>>.



- 6** **Title of the work:** Multi-Objective Reinforcement Learning for Designing Ethical Environments
Name of the conference: International Joint Conference on Artificial Intelligence (IJCAI)
Reasons for participation: Review before acceptance
Date of event: 2021
Organising entity: International Joint Conferences on Artificial Intelligence **Type of entity:** non-profit corporation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Manel Rodríguez-Soto; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. "Proceedings of the Thirtieth International Joint Conference on Artificial Intelligence, {IJCAI} 2021, Virtual Event / Montreal, Canada, 19-27 August 2021". pp. 545 - 551. ijcai.org, 2021. Available on-line at: <<https://doi.org/10.24963/ijcai.2021/76>>.
- 7** **Title of the work:** Simplification of numeric variables for {PLC} model checking
Name of the conference: International Conference on Formal Methods and Models for System Design
Reasons for participation: Review before acceptance
Date of event: 2021
Organising entity: ACM-IEEE **Type of entity:** non-profit organisations
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Ignacio D. Lopez-Miguel; Borja Fernández Adiego; Jean-Charles Tournier; Enrique Blanco Viñuela; Juan A. Rodríguez-Aguilar. "MEMOCODE '21: 19th ACM-IEEE International Conference on Formal Methods and Models for System Design, Virtual Event, China, November 20 - 22, 2021". pp. 10 - 20. ACM, 2021. Available on-line at: <<https://doi.org/10.1145/3487212.3487334>>.
- 8** **Title of the work:** Towards a Competence-Based Approach to Allocate Teams to Tasks
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems
Reasons for participation: Review before acceptance
Date of event: 2021
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Athina Georgara; Juan A. Rodríguez-Aguilar; Carles Sierra. "AAMAS '21: 20th International Conference on Autonomous Agents and Multiagent Systems, Virtual Event, United Kingdom, May 3-7, 2021". pp. 1504 - 1506. ACM, 2021. Available on-line at: <<https://www.ifaamas.org/Proceedings/aamas2021/pdfs/p1504.pdf>>.
- 9** **Title of the work:** A Qualitative Approach to Composing Value-Aligned Norm Systems
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Type of event: Conference
Reasons for participation: Review before acceptance
Date of event: 2020
Organising entity: IFAAMAS **Type of entity:** Non-profit research foundation
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Marc Serramia; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. "Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems, AAMAS '20, Auckland, New Zealand, May 9-13, 2020". pp. 1233 - 1241. International Foundation for Autonomous Agents and Multiagent Systems, 2020. Available on-line at: <<https://dl.acm.org/doi/10.5555/3398761.3398904>>.



- 10 Title of the work:** A Structural Solution to Sequential Moral Dilemmas
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Date of event: 2020
Organising entity: IFAAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Manel Rodríguez-Soto; Maite López-Sánchez; Juan A. Rodríguez-Aguilar. "Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems, AAMAS '20, Auckland, New Zealand, May 9-13, 2020". pp. 1152 - 1160. International Foundation for Autonomous Agents and Multiagent Systems, 2020. Available on-line at: <<https://dl.acm.org/doi/10.5555/3398761.3398895>>.
- 11 Title of the work:** A Simulation Tool for Large-Scale Online Ridesharing
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Date of event: 2018
Organising entity: IFAAMAS **Type of entity:** Non-profit research foundation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Filippo Bistaffa; Juan A. Rodríguez-Aguilar; Jesús Cerquides; Christian Blum. "Proceedings of the 17th International Conference on Autonomous Agents and MultiAgent Systems, {AAMAS} 2018, Stockholm, Sweden, July 10-15, 2018". pp. 1797 - 1799. International Foundation for Autonomous Agents and Multiagent Systems Richland, SC, {USA} / {ACM}, 2018. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3237981>>.
- 12 Title of the work:** DeciMaxSum : D{é}cimer pour r{é}soudre des {DCOP} cycliques plus efficacement
Name of the conference: Journées francophones sur les systèmes multi-agents (JFSMA)
Reasons for participation: Review before acceptance
Date of event: 2018
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Jesús Cerquides; Rémi Emonet; Gauthier Picard; Juan Antonio Rodríguez-Aguilar. "Distribution et Décentralisation - Vingt-sixièmes journées francophones sur les systèmes multi-agents, JFSMA 2018, Métabief, France, 10-12 Octobre 2018". pp. 63 - 72. C{é}padu{è}s, 2018.
- 13 Title of the work:** Don't Leave Anyone Behind: Achieving Team Performance Through Diversity
Name of the conference: Frontiers in Education Conference (FIE)
Reasons for participation: Review before acceptance
Date of event: 2018
Organising entity: IEEE **Type of entity:** non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Ewa Andrejczuk; Juan A. Rodríguez-Aguilar; Carles Sierra; Carme Roig; Yolanda Parejo-Romero. "IEEE Frontiers in Education Conference, FIE 2018, San Jose, CA, USA, October 3-6, 2018". pp. 1 - 9. IEEE, 2018. Available on-line at: <<https://doi.org/10.1109/FIE.2018.8659008>>.
- 14 Title of the work:** Exploiting Moral Values to Choose the Right Norms
Name of the conference: AAAI/ACM Conference on AI, Ethics, and Society (AIES)
Reasons for participation: Review before acceptance
Date of event: 2018
Organising entity: Association for the Advancement of Artificial Intelligence (AAAI) **Type of entity:** scientific society



With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Marc Serramia; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Javier Morales; Michael J. Wooldridge; Carlos Ansótegui. "Proceedings of the 2018 AAAI/ACM Conference on AI, Ethics, and Society, AIES 2018, New Orleans, LA, USA, February 02-03, 2018". pp. 264 - 270. ACM, 2018. Available on-line at: <<https://doi.org/10.1145/3278721.3278735>>.

15 Title of the work: Moral Values in Norm Decision Making

Name of the conference: International Conference on Autonomous Agents and MultiAgent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2018

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Marc Serramia; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Manel Rodríguez-Soto; Michael J. Wooldridge; Javier Morales; Carlos Ansótegui. "Proceedings of the 17th International Conference on Autonomous Agents and MultiAgent Systems, {AAMAS} 2018, Stockholm, Sweden, July 10-15, 2018". pp. 1294 - 1302. International Foundation for Autonomous Agents and Multiagent Systems Richland, SC, {USA} / {ACM}, 2018. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3237891>>.

16 Title of the work: Solving the Synergistic Team Composition Problem

Name of the conference: International Conference on Autonomous Agents and MultiAgent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2018

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Ewa Andrejczuk; Filippo Bistaffa; Christian Blum; Juan A. Rodríguez-Aguilar; Carles Sierra. "Proceedings of the 17th International Conference on Autonomous Agents and MultiAgent Systems, {AAMAS} 2018, Stockholm, Sweden, July 10-15, 2018". pp. 1853 - 1855. International Foundation for Autonomous Agents and Multiagent Systems Richland, SC, {USA} / {ACM}, 2018. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3238001>>.

17 Title of the work: Automating Decision Making to Help Establish Norm-Based Regulations

Name of the conference: International Conference on Autonomous Agents and MultiAgent System (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2017

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Maite López-Sánchez; Marc Serramia; Juan A. Rodríguez-Aguilar; Javier Morales; Michael J. Wooldridge. "Proceedings of the 16th International Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2017, Sao Paulo, Brazil, May 8-12, 2017". pp. 1613 - 1615. ACM, 2017. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3091380>>.

18 Title of the work: Evolutionary Synthesis of Stable Normative Systems

Name of the conference: International Conference on Autonomous Agents and MultiAgent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2017

Organising entity: IFAAMAS**Type of entity:** Non-profit research organisation**With external admission assessment committee:** Yes**Type of contribution:** Scientific book or monograph

Javier Morales; Michael J. Wooldridge; Juan A. Rodríguez-Aguilar; Maite López-Sánchez. "Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2017, Sao Paulo, Brazil, May 8-12, 2017". pp. 1646 - 1648. ACM, 2017. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3091391>>.

19 Title of the work: Synergistic Team Composition**Name of the conference:** International Conference on Autonomous Agents and MultiAgent Systems (AAMAS)**Reasons for participation:** Review before acceptance**Date of event:** 2017**Organising entity:** IFAAMAS**Type of entity:** non-profit research organisation**With external admission assessment committee:** Yes**Type of contribution:** Scientific book or monograph

Ewa Andrejczuk; Juan A. Rodríguez-Aguilar; Carme Roig; Carles Sierra. "Proceedings of the 16th International Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2017, Sao Paulo, Brazil, May 8-12, 2017". pp. 1463 - 1465. ACM, 2017. Available on-line at: <<http://dl.acm.org/citation.cfm?id=3091330>>.

20 Title of the work: Conception d'une place de marché pour la vente et la distribution d'énergie dans les smart grids**Name of the conference:** Journées Francophones sur les Systèmes Multi-Agents (JFSMA)**Reasons for participation:** Review before acceptance**Date of event:** 2015**With external admission assessment committee:** Yes**Type of contribution:** Scientific book or monograph

Jesús Cerquides; Gauthier Picard; Juan Rodríguez-Aguilar. "Environnements socio-techniques - JFSMA 15 - Vingt-troisièmes Journées Francophones sur les Systèmes Multi-Agents, Rennes, France, June 30th-July 1st, 2015". pp. 143 - 152. C{é}padu{è}s {E}ditions, 2015.

21 Title of the work: Designing a Marketplace for the Trading and Distribution of Energy in the Smart Grid**Name of the conference:** International Conference on Autonomous Agents and Multiagent Systems (AAMAS)**Reasons for participation:** Review before acceptance**Date of event:** 2015**Organising entity:** IFAAMAS**Type of entity:** Non-profit research organisation**With external admission assessment committee:** Yes**Type of contribution:** Scientific book or monograph

Jesús Cerquides; Gauthier Picard; Juan A. Rodríguez-Aguilar. "Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, {AAMAS} 2015, Istanbul, Turkey, May 4-8, 2015". pp. 1285 - 1293. ACM, 2015. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2773316>>.

22 Title of the work: Efficient Inter-Team Task Allocation in RoboCup Rescue**Name of the conference:** International Conference on Autonomous Agents and Multiagent Systems (AAMAS)**Reasons for participation:** Review before acceptance**Date of event:** 2015**Organising entity:** IFAAMAS**Type of entity:** non-profit research organisation**With external admission assessment committee:** Yes**Type of contribution:** Scientific book or monograph

Marc Pujol-Gonzalez; Jesús Cerquides; Alessandro Farinelli; Pedro Meseguer; Juan A. Rodríguez-Aguilar. "Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015". pp. 413 - 421. ACM, 2015. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2772933>>.

23 Title of the work: Extending NormLab to Spur Research on Norm Synthesis

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2015

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Javier Morales; Iosu Mendizabal; David Sanchez-Pinsach; Juan A. Rodríguez-Aguilar; Maite López-Sánchez; Michael J. Wooldridge; Wamberto Weber Vasconcelos. "Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015". pp. 1931 - 1932. ACM, 2015. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2773510>>.

24 Title of the work: Paving the way for Large-Scale Combinatorial Auctions

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2015

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Francisco Cruz-Mencia; Jesús Cerquides; Antonio Espinosa; Juan C. Moure; Juan A. Rodríguez-Aguilar. "Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, {AAMAS} 2015, Istanbul, Turkey, May 4-8, 2015". pp. 1855 - 1856. ACM, 2015. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2773471>>.

25 Title of the work: Synthesising Liberal Normative Systems

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2015

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Javier Morales; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Michael J. Wooldridge; Wamberto Weber Vasconcelos. "Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015". pp. 433 - 441. ACM, 2015. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2772936>>.

26 Title of the work: Anytime coalition structure generation on synergy graphs

Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2014

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Filippo Bistaffa; Alessandro Farinelli; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Sarvapali D. Ramchurn. "International conference on Autonomous Agents and Multi-Agent Systems, {AAMAS} '14, Paris, France, May 5-9, 2014". pp. 13 - 20. IFAAMAS/ACM, 2014. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2615737>>.

- 27** **Title of the work:** Exploiting max-sum for the decentralized assembly of high-valued supply chains
Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2014
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Toni Peña-Alba; Meritxell Vinyals; Jesús Cerquides; Juan A. Rodríguez-Aguilar. "International conference on Autonomous Agents and Multi-Agent Systems, AAMAS '14, Paris, France, May 5-9, 2014". pp. 373 - 380. IFAAMAS/ACM, 2014. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2615793>>.
- 28** **Title of the work:** Minimality and simplicity in the on-line automated synthesis of normative systems
Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2014
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Javier Morales; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Michael J. Wooldridge; Wamberto Weber Vasconcelos. "International conference on Autonomous Agents and Multi-Agent Systems, AAMAS '14, Paris, France, May 5-9, 2014". pp. 109 - 116. IFAAMAS/ACM, 2014. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2615752>>.
- 29** **Title of the work:** Automated synthesis of normative systems
Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2013
Organising entity: IFAAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Javier Morales; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Michael J. Wooldridge; Wamberto Weber Vasconcelos. "International conference on Autonomous Agents and Multi-Agent Systems, AAMAS '13, Saint Paul, MN, USA, May 6-10, 2013". pp. 483 - 490. IFAAMAS, 2013. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2484998>>.
- 30** **Title of the work:** CHAINME: fast decentralized finding of better supply chains
Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2013
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph



Toni Peña-Alba; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Meritxell Vinyals. "International conference on Autonomous Agents and Multi-Agent Systems, AAMAS '13, Saint Paul, MN, USA, May 6-10, 2013". pp. 1317 - 1318. IFAAMAS, 2013. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2485202>>.

- 31 Title of the work:** Communicating Open Systems: Extended Abstract
Name of the conference: International Joint Conference on Artificial Intelligence
Reasons for participation: Review before acceptance
Date of event: 2013
Organising entity: International Joint Conferences on Artificial Intelligence **Type of entity:** Non-profit corporation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Mark d'Inverno; Michael Luck; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. "IJCAI 2013, Proceedings of the 23rd International Joint Conference on Artificial Intelligence, Beijing, China, August 3-9, 2013". pp. 3146 - 3150. IJCAI/AAAI, 2013. Available on-line at: <<http://www.aaai.org/ocs/index.php/IJCAI/IJCAI13/paper/view/6604>>.
- 32 Title of the work:** IRON: a machine for the automated synthesis of normative systems
Name of the conference: International conference on Autonomous Agents and Multi-Agent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2013
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Javier Morales; Maite López-Sánchez; Juan A. Rodríguez-Aguilar; Michael J. Wooldridge; Wamberto Weber Vasconcelos. "International conference on Autonomous Agents and Multi-Agent Systems, AAMAS '13, Saint Paul, MN, USA, May 6-10, 2013". pp. 1389 - 1390. IFAAMAS, 2013. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2485239>>.
- 33 Title of the work:** A Scalable Message-Passing Algorithm for Supply Chain Formation
Name of the conference: AAAI Conference on Artificial Intelligence (AAAI)
Reasons for participation: Review before acceptance
Date of event: 2012
Organising entity: Association for the Advancement of Artificial Intelligence **Type of entity:** scientific society
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Toni Peña-Alba; Meritxell Vinyals; Jesús Cerquides; Juan A. Rodríguez-Aguilar. "Proceedings of the Twenty-Sixth AAAI Conference on Artificial Intelligence, July 22-26, 2012, Toronto, Ontario, Canada". AAAI Press, 2012. Available on-line at: <<http://www.aaai.org/ocs/index.php/AAAI/AAAI12/paper/view/5005>>.
- 34 Title of the work:** Scalable decentralized supply chain formation through binarized belief propagation
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2012
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Toni Peña-Alba; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Meritxell Vinyals. "International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2012, Valencia,



Spain, June 4-8, 2012 (3 Volumes)". pp. 1275 - 1276. IFAAMAS, 2012. Available on-line at: <http://dl.acm.org/citation.cfm?id=2343960>.

- 35** **Title of the work:** ABC4MAS: Assembling Business Collaborations for MAS
Name of the conference: International Conference on Intelligent Agent Technology (IAT)
Reasons for participation: Review before acceptance
Date of event: 2011
Organising entity: IEEE/WIC/ACM **Type of entity:** non-profit organisations
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Toni Peña-Alba; Marc Pujol-Gonzalez; Marc Esteva; Bruno Rosell; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Carles Sierra; Carlos Carrascosa; Vicente Julián; Miguel Rebollo; M. Rodrigo; Matteo Vasirani. "Proceedings of the 2011 {IEEE/WIC/ACM} International Conference on Intelligent Agent Technology, {IAT} 2011, Campus Scientifique de la Doua, Lyon, France, August 22-27, 2011". pp. 431 - 432. {IEEE} Computer Society, 2011. Available on-line at: <https://doi.org/10.1109/WI-IAT.2011.10>.
- 36** **Title of the work:** Communication-constrained DCOPs: message approximation in GDL with function filtering
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2011
Organising entity: IFAAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Marc Pujol-Gonzalez; Jesús Cerquides; Pedro Meseguer; Juan A. Rodríguez-Aguilar. "10th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011), Taipei, Taiwan, May 2-6, 2011, Volume 1-3". pp. 379 - 386. IFAAMAS, 2011. Available on-line at: <http://portal.acm.org/citation.cfm?id=2030526&CFID=69153967&CFTOKEN=38069692>.
- 37** **Title of the work:** Emerging cooperation on complex networks
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2011
Organising entity: IFAAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Lluís Arcos; Ana Peleteiro-Ramallo; Juan C. Burguillo-Rial. "10th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011), Taipei, Taiwan, May 2-6, 2011, Volume 1-3". pp. 669 - 676. IFAAMAS, 2011. Available on-line at: <http://portal.acm.org/citation.cfm?id=2031713&CFID=54178199&CFTOKEN=61392764>.
- 38** **Title of the work:** Mixing Electronic Institutions with Virtual Organizations: {A} Solution Based on Bundles
Name of the conference: International Conference on Practical Applications of Agents and Multiagent Systems (PAAMS)
Reasons for participation: Review before acceptance
Date of event: 2011
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Mario Rodrigo Solaz; Bruno Rosell; Juan A. Rodríguez-Aguilar; Vicente Julián; Carlos Carrascosa. "Highlights in Practical Applications of Agents and Multiagent Systems - 9th International Conference on Practical Applications of Agents and Multiagent Systems, PAAMS 2011 Special Sessions,



Salamanca, Spain, 6-8 April 2011". 89, pp. 143 - 150. Springer, 2011. Available on-line at: <https://doi.org/10.1007/978-3-642-19917-2_18>.

- 39** **Title of the work:** Quality guarantees for region optimal {DCOP} algorithms
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2011
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Meritxell Vinyals; Eric Anyung Shieh; Jesús Cerquides; Juan A. Rodríguez-Aguilar; Zhengyu Yin; Milind Tambe; Emma Bowring. "10th International Conference on Autonomous Agents and Multiagent Systems ({AAMAS} 2011), Taipei, Taiwan, May 2-6, 2011, Volume 1-3". pp. 133 - 140. IFAAMAS, 2011. Available on-line at: <<http://portal.acm.org/citation.cfm?id=2030490&CFID=69153967&CFTOKEN=38069692>>.
- 40** **Title of the work:** Sequential mixed auctions
Name of the conference: International Conference on Electronic Commerce
Reasons for participation: Review before acceptance
Date of event: 2011
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Boris Mikhaylov; Jesús Cerquides; Juan A. Rodríguez-Aguilar. "Proceedings of the 13th International Conference on Electronic Commerce, ICEC 2011, Liverpool, United Kingdom, August 3-5, 2011". pp. 31:1 - 31:6. ACM, 2011. Available on-line at: <<https://doi.org/10.1145/2378104.2378135>>.
- 41** **Title of the work:** Collective Sensor Configuration in Uncharted Environments
Name of the conference: European Conference on Artificial Intelligence
Reasons for participation: Review before acceptance
Date of event: 2010
Organising entity: European Association for Artificial Intelligence (EurAI) **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "ECAI 2010 - 19th European Conference on Artificial Intelligence, Lisbon, Portugal, August 16-20, 2010, Proceedings". 215, pp. 1029 - 1030. {IOS} Press, 2010. Available on-line at: <<https://doi.org/10.3233/978-1-60750-606-5-1029>>.
- 42** **Title of the work:** Convention emergence through spreading mechanisms
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2010
Organising entity: IFAAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "9th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010), Toronto, Canada, May 10-14, 2010, Volume 1-3". pp. 1431 - 1432. IFAAMAS, 2010. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1838417>>.



- 43 Title of the work:** Divide-and-coordinate: DCOPs by agreement
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2010
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Meritxell Vinyals; Marc Pujol{-}Gonzalez; Juan A. Rodr{í}guez{-}Aguilar; Jes{ú}s Cerquides. "9th International Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2010), Toronto, Canada, May 10-14, 2010, Volume 1-3". pp. 149 - 156. IFAAMAS, 2010. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1838227>>.
- 44 Title of the work:** Egalitarian Utilities Divide-and-Coordinate: Stop arguing about decisions, let's share rewards!
Name of the conference: European Conference on Artificial Intelligence (ECAI)
Reasons for participation: Review before acceptance
Date of event: 2010
Organising entity: European Association for Artificial Intelligence (EurAI) **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Jesús Cerquides. "ECAI 2010 - 19th European Conference on Artificial Intelligence, Lisbon, Portugal, August 16-20, 2010, Proceedings". 215, pp. 1025 - 1026. {IOS} Press, 2010. Available on-line at: <<https://doi.org/10.3233/978-1-60750-606-5-1025>>.
- 45 Title of the work:** Self-Configuring Sensors for Uncharted Environments
Name of the conference: International Conference on Self-Adaptive and Self-Organizing Systems (SASO)
Reasons for participation: Review before acceptance
Date of event: 2010
Organising entity: IEEE **Type of entity:** non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "Fourth IEEE International Conference on Self-Adaptive and Self-Organizing Systems, SASO 2010, Budapest, Hungary, 27 September - 1 October 2010". pp. 134 - 143. IEEE Computer Society, 2010. Available on-line at: <<https://doi.org/10.1109/SASO.2010.38>>.
- 46 Title of the work:** Worst-case bounds on the quality of max-product fixed-points
Name of the conference: Advances in Neural Information Processing Systems (NeurIPS)
Reasons for participation: Review before acceptance
Date of event: 2010
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Meritxell Vinyals; Jesús Cerquides; Alessandro Farinelli; Juan A. Rodríguez-Aguilar. "Advances in Neural Information Processing Systems 23: 24th Annual Conference on Neural Information Processing Systems 2010. Proceedings of a meeting held 6-9 December 2010, Vancouver, British Columbia, Canada". pp. 2325 - 2333. Curran Associates, Inc., 2010. Available on-line at: <<https://proceedings.neurips.cc/paper/2010/hash/67f7fb873eaf29526a11a9b7ac33bfac-Abstract.html>>.
- 47 Title of the work:** A mixed multi-unit combinatorial auctions test suite
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)



Reasons for participation: Review before acceptance

Date of event: 2009

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Andrea Giovannucci; Jesús Cerquides; Ulle Endriss; Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Bruno Rosell. "8th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS) 2009}, Budapest, Hungary, May 10-15, 2009, Volume 2". pp. 1389 - 1390. IFAAMAS, 2009. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1558309>>.

- 48** **Title of the work:** Generalizing {DPOP;} Action-GDL, a new complete algorithm for DCOPs
Name of the conference: International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2009
Organising entity: IFAAMAS
Type of entity: non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Jesús Cerquides. "8th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS) 2009}, Budapest, Hungary, May 10-15, 2009, Volume 2". pp. 1239 - 1240. IFAAMAS, 2009. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1558231>>.
- 49** **Title of the work:** Handling Uncertainty in the Emergence of Social Conventions
Name of the conference: International Conference on Self-Adaptive and Self-Organizing Systems (SASO)
Reasons for participation: Review before acceptance
Date of event: 2009
Organising entity: IEEE
Type of entity: non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "Third IEEE International Conference on Self-Adaptive and Self-Organizing Systems, SASO 2009, San Francisco, California, USA, September 14-18, 2009". pp. 282 - 283. {IEEE} Computer Society, 2009. Available on-line at: <<https://doi.org/10.1109/SASO.2009.22>>.
- 50** **Title of the work:** An Infection-Based Mechanism for Self-Adaptation in Multi-agent Complex Networks
Name of the conference: International Conference on Self-Adaptive and Self-Organizing Systems (SASO)
Reasons for participation: Review before acceptance
Date of event: 2008
Organising entity: IEEE
Type of entity: Non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "Second IEEE International Conference on Self-Adaptive and Self-Organizing Systems, {SASO} 2008, 20-24 October 2008, Venice, Italy". pp. 161 - 170. {IEEE} Computer Society, 2008. Available on-line at: <<https://doi.org/10.1109/SASO.2008.65>>.
- 51** **Title of the work:** Computationally-efficient winner determination for mixed multi-unit combinatorial auctions
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2008
Organising entity: IFAAMAS
Type of entity: non-profit research organisation



With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Andrea Giovannucci; Meritxell Vinyals; Juan A. Rodríguez-Aguilar; Jesús Cerquides. "7th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008), Estoril, Portugal, May 12-16, 2008, Volume 2". pp. 1071 - 1078. IFAAMAS, 2008. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1402370>>.

52 Title of the work: Electronic institutions development environment

Name of the conference: International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2008

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Marc Esteva; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos; Carles Sierra; Pablo Noriega; Bruno Rosell; David de la Cruz. "7th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008), Estoril, Portugal, May 12-16, 2008, Demo Proceedings". pp. 1657 - 1658. IFAAMAS, 2008. Available on-line at: <<https://dl.acm.org/citation.cfm?id=1402751>>.

53 Title of the work: Infection-Based Norm Emergence in Multi-Agent Complex Networks

Name of the conference: European Conference on Artificial Intelligence

Reasons for participation: Review before acceptance

Date of event: 2008

Organising entity: European Association for Artificial Intelligence (EurAI) **Type of entity:** non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "ECAI 2008 - 18th European Conference on Artificial Intelligence, Patras, Greece, July 21-25, 2008, Proceedings". 178, pp. 891 - 892. {IOS} Press, 2008. Available on-line at: <<https://doi.org/10.3233/978-1-58603-891-5-891>>.

54 Title of the work: Infection-based self-configuration in agent societies

Name of the conference: Genetic and Evolutionary Computation Conference (GECCO)

Reasons for participation: Review before acceptance

Date of event: 2008

Organising entity: Association for Computing Machinery Special Interest Group on Genetic and Evolutionary Computation (SIGEVO)

Type of entity: non-profit professional membership group

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Norman Salazar; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "Genetic and Evolutionary Computation Conference, GECCO 2008, Proceedings, Atlanta, GA, USA, July 12-16, 2008, Companion Material". pp. 1945 - 1952. ACM, 2008. Available on-line at: <<https://doi.org/10.1145/1388969.1389005>>.

55 Title of the work: Bidding Languages and Winner Determination for Mixed Multi-unit Combinatorial Auctions

Name of the conference: International Joint Conference on Artificial Intelligence (IJCAI)

Reasons for participation: Review before acceptance

Date of event: 2007

Organising entity: International Joint Conferences on Artificial Intelligence

Type of entity: Non-profit corporation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph



Jesús Cerquides; Ulle Endriss; Andrea Giovannucci; Juan A. Rodríguez-Aguilar. "IJCAI 2007, Proceedings of the 20th International Joint Conference on Artificial Intelligence, Hyderabad, India, January 6-12, 2007". pp. 1221 - 1226. 2007. Available on-line at: <<http://ijcai.org/Proceedings/07/Papers/197.pdf>>.

- 56** **Title of the work:** Distributed norm management in regulated multiagent systems
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2007
Organising entity: IFAMAS **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Dorian Gaertner; Andrés García-Camino; Pablo Noriega; Juan A. Rodríguez-Aguilar; Wamberto Weber Vasconcelos. "6th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2007), Honolulu, Hawaii, USA, May 14-18, 2007". pp. 90 - 90. IFAAMAS, 2007. Available on-line at: <<https://doi.org/10.1145/1329125.1329235>>.
- 57** **Title of the work:** On the Logic of Normative Systems
Name of the conference: International Joint Conference on Artificial Intelligence (IJCAI)
Reasons for participation: Review before acceptance
Date of event: 2007
Organising entity: International Joint Conferences on Artificial Intelligence **Type of entity:** non-profit corporation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Thomas Agotnes; Wiebe van der Hoek; Juan A. Rodríguez-Aguilar; Carles Sierra; Michael J. Wooldridge. "IJCAI 2007, Proceedings of the 20th International Joint Conference on Artificial Intelligence, Hyderabad, India, January 6-12, 2007". pp. 1175 - 1180. 2007. Available on-line at: <<http://ijcai.org/Proceedings/07/Papers/190.pdf>>.
- 58** **Title of the work:** Winner determination for mixed multi-unit combinatorial auctions via petri nets
Name of the conference: International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2007
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Jesús Cerquides; Ulle Endriss. "6th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2007), Honolulu, Hawaii, USA, May 14-18, 2007". pp. 104 - 104. IFAAMAS, 2007. Available on-line at: <<https://doi.org/10.1145/1329125.1329253>>.
- 59** **Title of the work:** Applications and Environments for Multi-agent Systems
Name of the conference: European Workshop on Multi-Agent Systems (EUMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: European Association for Multiagent Systems (EURAMAS)
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Paul Valckenaers; John A. Sauter; Carles Sierra; Juan A. Rodríguez-Aguilar. "Proceedings of the 4th European Workshop on Multi-Agent Systems EUMAS'06, Lisbon, Portugal, December 14-15, 2006". 223, CEUR-WS.org, 2006. Available on-line at: <<https://ceur-ws.org/Vol-223/7.pdf>>.



- 60** **Title of the work:** Auctioning transformable goods
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: IFAAMAS **Type of entity:** Non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Jesús Cerquides. "5th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2006), Hakodate, Japan, May 8-12, 2006". pp. 893 - 895. ACM, 2006. Available on-line at: <<https://doi.org/10.1145/1160633.1160792>>.
- 61** **Title of the work:** Benefits of Combinatorial Auctions with Transformability Relationships
Name of the conference: European Conference on Artificial Intelligence (ECAI)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: European Association of Artificial Intelligence **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrea Giovannucci; Jesús Cerquides; Juan A. Rodríguez-Aguilar. "ECAI 2006, 17th European Conference on Artificial Intelligence, August 29 - September 1, 2006, Riva del Garda, Italy, Including Prestigious Applications of Intelligent Systems {(PAIS} 2006), Proceedings". 141, pp. 717 - 718. IOS Press, 2006.
- 62** **Title of the work:** Bidding Languages and Winner Determination for Mixed Multi-unit Combinatorial Auctions
Name of the conference: European Workshop on Multi-Agent Systems (EUMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: European Association for Multiagent Systems (EURAMAS) **Type of entity:** Non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Jesús Cerquides; Ulle Endriss; Andrea Giovannucci; Juan A. Rodríguez-Aguilar. "Proceedings of the 4th European Workshop on Multi-Agent Systems EUMAS'06, Lisbon, Portugal, December 14-15, 2006". 223, CEUR-WS.org, 2006. Available on-line at: <<https://ceur-ws.org/Vol-223/29.pdf>>.
- 63** **Title of the work:** Norm-Oriented Programming of Electronic Institutions: A Rule-based Approach
Name of the conference: European Workshop on Multi-Agent Systems (EUMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: European Association for Multiagent Systems (EURAMAS) **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrés García-Camino; Juan A. Rodríguez-Aguilar; Carles Sierra; Wamberto Weber Vasconcelos. "Proceedings of the 4th European Workshop on Multi-Agent Systems EUMAS'06, Lisbon, Portugal, December 14-15, 2006". 223, CEUR-WS.org, 2006. Available on-line at: <<https://ceur-ws.org/Vol-223/9.pdf>>.



- 64 Title of the work:** Norm-oriented programming of electronic institutions
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrés García-Camino; Juan A. Rodríguez-Aguilar; Carles Sierra; Wamberto Weber Vasconcelos. "5th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2006), Hakodate, Japan, May 8-12, 2006". pp. 670 - 672. ACM, 2006. Available on-line at: <<https://doi.org/10.1145/1160633.1160750>>.
- 65 Title of the work:** Operationalisation of norms for usage in electronic institutions
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2006
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Huib Aldewereld; Frank Dignum; Andrés García-Camino; Pablo Noriega; Juan A. Rodríguez-Aguilar; Carles Sierra. "5th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2006), Hakodate, Japan, May 8-12, 2006". pp. 223 - 225. ACM, 2006. Available on-line at: <<https://doi.org/10.1145/1160633.1160669>>.
- 66 Title of the work:** Implementing Norms in Electronic Institutions
Name of the conference: European Workshop on Multi-Agent System (EUMAS)
Reasons for participation: Review before acceptance
Date of event: 2005
Organising entity: European Association for Multiagent Systems (EURAMAS) **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrés García-Camino; Pablo Noriega; Juan A. Rodríguez-Aguilar. "EUMAS 2005 - Proceedings of the Third European Workshop on Multi-Agent Systems, Brussels, Belgium, December 7-8, 2005". pp. 482 - 483. Koninklijke Vlaamse Academie van Belie voor Wetenschappen en Kunsten, 2005.
- 67 Title of the work:** Implementing norms in electronic institutions
Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)
Reasons for participation: Review before acceptance
Date of event: 2005
Organising entity: IFAAMAS **Type of entity:** non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Andrés García-Camino; Pablo Noriega; Juan A. Rodríguez-Aguilar. "4th International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2005), July 25-29, 2005, Utrecht, The Netherlands". pp. 667 - 673. ACM, 2005. Available on-line at: <<https://doi.org/10.1145/1082473.1082575>>.
- 68 Title of the work:** Multi-Unit Combinatorial Reverse Auctions with Transformability Relationships among Goods
Name of the conference: European Workshop on Multi-Agent Systems (EUMAS)



Reasons for participation: Review before acceptance

Date of event: 2005

Organising entity: European Association for Multiagent Systems (EURAMAS)

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Jesús Cerquides. "EUMAS 2005 - Proceedings of the Third European Workshop on Multi-Agent Systems, Brussels, Belgium, December 7-8, 2005". pp. 486 - 486. Koninklijke Vlaamse Academie van Belie voor Wetenschappen en Kunsten, 2005.

69 Title of the work: AMELI: An Agent-Based Middleware for Electronic Institutions

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2004

Organising entity: IFAAMAS

Type of entity: non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Marc Esteva; Bruno Rosell; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos. "3rd International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2004), 19-23 August 2004, New York, NY, USA". pp. 236 - 243. {IEEE} Computer Society, 2004. Available on-line at: <<https://doi.ieeecomputersociety.org/10.1109/AAMAS.2004.10060>>.

70 Title of the work: Engineering Open Multi-Agent Systems as Electronic Institutions

Name of the conference: AAAI Conference on Artificial Intelligence (AAAI)

Reasons for participation: Review before acceptance

Date of event: 2004

Organising entity: Association for the Advancement of Artificial Intelligence (AAAI)

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Marc Esteva; David de la Cruz; Bruno Rosell; Josep Ll. Arcos; Juan A. Rodríguez-Aguilar; Guifre Cun{i}. "Proceedings of the Nineteenth National Conference on Artificial Intelligence, Sixteenth Conference on Innovative Applications of Artificial Intelligence, July 25-29, 2004, San Jose, California, {USA}". pp. 1010 - 1011. {AAAI} Press / The {MIT} Press, 2004. Available on-line at: <<http://www.aaai.org/Library/AAAI/2004/aaai04-153.php>>.

71 Title of the work: Multi-Agent Simulation Applied to On-Line Music Distribution Market

Name of the conference: International Conference on WEB Delivering of Music (WEDELMUSIC)

Reasons for participation: Review before acceptance

Date of event: 2004

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Maite López-Sánchez; Xavier Noria; Juan A. Rodríguez-Aguilar; Nigel Gilbert; Stephan C. Schuster. "4th International Conference on WEB Delivering of Music (WEDELMUSIC 2004), 13-15 September 2004, Barcelona, Spain". pp. 151 - 154. {IEEE} Computer Society, 2004. Available on-line at: <<https://doi.org/10.1109/WDM.2004.1358112>>.

72 Title of the work: Towards Automated Procurement via Agent-Aware Negotiation Support

Name of the conference: International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2004

Organising entity: IFAAMAS

Type of entity: non-profit research organisation



With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Andrea Giovannucci; Juan A. Rodríguez-Aguilar; A. Reyes; Francesc X. Noria; Jesús Cerquides. "3rd International Joint Conference on Autonomous Agents and Multiagent Systems {(AAMAS} 2004), 19-23 August 2004, New York, NY, {USA}". pp. 244 - 253. {IEEE} Computer Society, 2004. Available on-line at: <<https://doi.ieeecomputersociety.org/10.1109/AAMAS.2004.10048>>.

73 Title of the work: iBundler: An Agent-Based Decision Support Service for Combinatorial Negotiations

Name of the conference: National Conference on Artificial Intelligence

Reasons for participation: Review before acceptance

Date of event: 2004

Organising entity: Association for the Advancement of Artificial Intelligence (AAAI) **Type of entity:** scientific society

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Andrea Giovannucci; Juan A. Rodríguez-Aguilar; Jesús Cerquides; Antonio Reyes-Moro; Francesc X. Noria. "Proceedings of the Nineteenth National Conference on Artificial Intelligence, Sixteenth Conference on Innovative Applications of Artificial Intelligence, July 25-29, 2004, San Jose, California, {USA}". pp. 1012 - 1013. {AAAI} Press / The {MIT} Press, 2004. Available on-line at: <<http://www.aaai.org/Library/AAAI/2004/aaai04-154.php>>.

74 Title of the work: Agent-based decision support for actual-world procurement scenarios

Name of the conference: International Conference on Intelligent Agent Technology (IAT)

Reasons for participation: Review before acceptance

City of event: Halifax,

Date of event: 2003

Organising entity: IEEE

Type of entity: Non-profit organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Juan A. Rodríguez-Aguilar; Andrea Giovannucci; Antonio Reyes-Moro; Francesc X. Noria; Jesús Cerquides. "2003 IEEE/WIC International Conference on Intelligent Agent Technology (IAT 2003), 13-17 October 2003, Halifax, Canada". pp. 371 - 377. {IEEE} Computer Society, 2003. Available on-line at: <<https://doi.org/10.1109/IAT.2003.1241102>>.

75 Title of the work: A knowledge-based methodology for designing robust multi-agent systems

Name of the conference: International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Reasons for participation: Review before acceptance

Date of event: 2002

Organising entity: IFAAMAS

Type of entity: Non-profit research organisation

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph

Mark Klein; Chrysanthos Dellarocas; Juan A. Rodríguez-Aguilar. "The First International Joint Conference on Autonomous Agents & Multiagent Systems, {AAMAS} 2002, July 15-19, 2002, Bologna, Italy, Proceedings". pp. 661 - 661. ACM, 2002. Available on-line at: <<https://doi.org/10.1145/544862.544897>>.

76 Title of the work: Quotes: A Negotiation Tool for Industrial E-Procurement

Name of the conference: International Conference on Enterprise Information Systems (ICEIS)

Reasons for participation: Review before acceptance

Date of event: 2002

With external admission assessment committee: Yes

Type of contribution: Scientific book or monograph



Antonio Reyes-Moro; Juan A. Rodríguez-Aguilar; Maite López-Sánchez; Jesús Cerquides; David Gutierrez-Magallanes. "ICEIS 2002, Proceedings of the 4st International Conference on Enterprise Information Systems, Ciudad Real, Spain, April 2-6, 2002". pp. 989 - 994. 2002.

- 77** **Title of the work:** An exception-handling architecture for open electronic marketplaces of contract net software agents
Name of the conference: ACM Conference on Electronic Commerce (EC)
Reasons for participation: Review before acceptance
Date of event: 2000
Organising entity: Association for Computing Machinery (ACM) **Type of entity:** non-profit professional membership group
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Chrysanthos Dellarocas; Mark Klein; Juan A. Rodríguez-Aguilar. "Proceedings of the 2nd ACM Conference on Electronic Commerce (EC-00), Minneapolis, MN, USA, October 17-20, 2000". pp. 225 - 232. ACM, 2000. Available on-line at: <<https://doi.org/10.1145/352871.352896>>.
- 78** **Title of the work:** Institutionalizing Open Multi-Agent Systems
Name of the conference: International Conference on Multi-Agent Systems (ICMAS)
Reasons for participation: Review before acceptance
Date of event: 2000
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Marc Esteva; Juan A. Rodríguez-Aguilar; Josep Ll. Arcos; Carles Sierra; Pere Garcia. "4th International Conference on Multi-Agent Systems, ICMAS 2000, Boston, MA, USA, July 10-12, 2000". pp. 381 - 382. {IEEE} Computer Society, 2000. Available on-line at: <<https://doi.org/10.1109/ICMAS.2000.858485>>.
- 79** **Title of the work:** Competitive Scenarios for Heterogeneous Trading Agents
Name of the conference: International Conference on Autonomous Agents (AGENTS)
Reasons for participation: Review before acceptance
Date of event: 1998
Organising entity: Association for Computing Machinery (ACM) **Type of entity:** non-profit professional membership group
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
Juan A. Rodríguez-Aguilar; Francisco J. Martín; Pablo Noriega; Pere Garcia; Carles Sierra. "Proceedings of the Second International Conference on Autonomous Agents, AGENTS 1998, St. Paul, Minneapolis, USA, May 9-13, 1998". pp. 293 - 300. ACM, 1998. Available on-line at: <<https://doi.org/10.1145/280765.280846>>.
- 80** **Title of the work:** Designing Bidding Strategies for Trading Agents in Electronic Auctions
Name of the conference: International Conference on Multiagent Systems (ICMAS)
Reasons for participation: Review before acceptance
Date of event: 1998
Organising entity: IEEE Computer Society **Type of entity:** Non-profit organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
E. Giménez-Funes; Lluís Godó; Juan A. Rodríguez-Aguilar; Pere Garcia-Calvés. "Proceedings of the Third International Conference on Multiagent Systems, ICMAS 1998, Paris, France, July 3-7, 1998". pp. 136 - 143. {IEEE} Computer Society, 1998. Available on-line at: <<https://doi.org/10.1109/ICMAS.1998.699042>>.



- 81 Title of the work:** Possibilistic-Based Bidding Strategies in Electronic Auctions
Name of the conference: European Conference on Artificial Intelligence (ECAI)
Reasons for participation: Review before acceptance
Date of event: 1998
Organising entity: European Association for Artificial Intelligence (EurAI)
Type of entity: non-profit research organisation
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
 Eduardo Giménez; Pere Garcia; Lluís Godo; Juan A. Rodríguez-Aguilar. "13th European Conference on Artificial Intelligence, Brighton, UK, August 23-28 1998, Proceedings.". pp. 575 - 579. John Wiley and Sons, 1998.
- 82 Title of the work:** FM96.5 A Java-based Electronic Auction House
Name of the conference: International Conference on the Practical Application of Intelligent Agents and Multi-Agent Technology (PAAM)
Reasons for participation: Review before acceptance
Date of event: 1997
With external admission assessment committee: Yes
Type of contribution: Scientific book or monograph
 Juan A. Rodríguez-Aguilar; Pablo Noriega; Carles Sierra; Julian A. Padget. "Proceedings of the Second International Conference on the Practical Application of Intelligent Agents and Multi-Agent Technology, PAAM 1997, Westminster Central Hall, London, UK, April 21-23, 1997". pp. 207 - 226. Practical Application Company Ltd., 1997.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: IFAAMAS board

Affiliation entity: International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS)

Start date: 22/03/2024

R&D management

- 1 Name of the activity:** Vocal of the Commission of the Global Area Matter
Type of management: Management of body
Entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Start date: 15/11/2023
- 2 Name of the activity:** Head of the "Virtual worlds, Visualisation and Artificial Intelligence Group"
Type of management: Group management
Entity: Instituto de Investigación en Inteligencia Artificial
Type of entity: State agency
Start date: 18/09/2020
Duration: 2 years - 7 months - 15 days
- 3 Name of the activity:** Head of the Department of Multiagent Systems
Type of management: Group management
Entity: Instituto de Investigación en Inteligencia Artificial
Type of entity: State agency



Start date: 16/06/2005

Duration: 13 years - 3 months - 16 days

National and international forums and committees

Name of the forum: OCDE Expert Group on AI in the Labour Market

Professional category: Expert representing the Spanish Ministry of Digital Transition

Organising entity: Organisation for Economic
Co-operation and Development

Type of entity: Intergovernmental organisation

Start date: 2024

Evaluation and revision of R&D projects and articles

- 1 Performed tasks:** Project proposals' review
Entity where activity was carried out: Natural Sciences and Engineering Research Council of Canada
City of entity: Canada
Start-End date: 18/12/2023 - 19/01/2024
Type of entity: State agency
- 2 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start-End date: 2024 - 2024
Type of entity: Public Research Body
- 3 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2023
Type of entity: Public Research Body
- 4 Performed tasks:** Review of industrial PhD proposals
Entity where activity was carried out: State Research Agency (AEI)
City of entity: Madrid,
Start date: 30/03/2021
Type of entity: Scientific
- 5 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2021
- 6 Performed tasks:** Project proposals' review for the Horizon Europe programme
Entity where activity was carried out: European Research Executive Agency
Start date: 2021
Type of entity: Public Research Body
- 7 Performed tasks:** Project proposals' review for the Pathfinder programme
Entity where activity was carried out: European Innovation Council and SMEs Executive Agency
Start date: 2021
- 8 Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science

City of entity: Lisbon, Portugal

Start date: 2020

- 9 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2020
- 10 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2019
- 11 Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science
City of entity: Lisbon,
Start date: 2018
- 12 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2018
- 13 Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science
City of entity: Lisbon, Portugal
Start date: 2017
- 14 Performed tasks:** Project proposals' review for the Eurostars programme
Entity where activity was carried out: Eureka
Start date: 2017
- 15 Performed tasks:** Project proposal review
Entity where activity was carried out: The Engineering and Physical Sciences Research Council (EPSRC) **Type of entity:** Public Research Body
Start date: 2016
- 16 Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science
City of entity: Lisbon, Portugal
Start date: 2016
- 17 Performed tasks:** Project review of the H2020 Future and Emergent Technologies (FET) Open programme
Entity where activity was carried out: European Research Executive Agency
Start date: 2016
- 18 Performed tasks:** Project proposal review
Entity where activity was carried out: U.S.-Israel Binational Science Foundation
City of entity: Israel
Start date: 2015



- 19** **Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science
City of entity: Lisbon, Portugal
Start date: 2015
- 20** **Performed tasks:** Project proposal review
Entity where activity was carried out: Royal Society
City of entity: United Kingdom
Start date: 2014
Type of entity: Public Research Body
- 21** **Performed tasks:** Project proposal review
Entity where activity was carried out: Royal Society
City of entity: United Kingdom
Start date: 2013
Type of entity: Public Research Body
- 22** **Performed tasks:** Project proposals' review and Panel Evaluation for the Portuguese ICT Research Programme
Entity where activity was carried out: Portuguese Ministry of Education and Science
City of entity: Lisbon, Portugal
Start date: 2011
- 23** **Performed tasks:** Project review of FP7 (Seventh Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Start date: 2011
Type of entity: Public
- 24** **Performed tasks:** Project review of FP6 (Sixth Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Start date: 2010
Type of entity: Public
- 25** **Performed tasks:** Project review of FP7 (Seventh Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Start date: 2010
Type of entity: Public
- 26** **Name of the activity:** Review of the book entitled "Handbook of Research on Multi-Agent Systems: Semantics and Dynamics of Organizational Models"
Performed tasks: Book review
Entity where activity was carried out: IGI Global
Start date: 2009
- 27** **Performed tasks:** Project proposals' review for the PN I+D
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva
City of entity: Madrid, Community of Madrid, Spain
Start date: 2009
Type of entity: Public



- 28** **Performed tasks:** Project review of FP6 (Sixth Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Type of entity: Public
Start date: 2009
- 29** **Performed tasks:** Project proposal review
Entity where activity was carried out: Swiss State Secretariat for Education and Research
City of entity: Switzerland
Start date: 2008
- 30** **Performed tasks:** Project proposals' review for the PN I+D
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva
City of entity: Madrid, Community of Madrid, Spain
Start date: 2008
- 31** **Performed tasks:** Project review of FP6 (Sixth Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Type of entity: Public
Start date: 2008
- 32** **Performed tasks:** Project review of FP6 (Sixth Research Framework Programme)
Entity where activity was carried out: Comisión Europea
Type of entity: Public
Start date: 2007
- 33** **Performed tasks:** Journal article review
Entity where activity was carried out: ACM Knowledge and Information Systems
Type of entity: Scientific journal
- 34** **Performed tasks:** Journal article review
Entity where activity was carried out: ACM Transactions on Autonomous and Adaptive Systems
Type of entity: Scientific journal
- 35** **Performed tasks:** Journal article review
Entity where activity was carried out: ACM Transactions on Internet Technology Artificial Intelligence Journal
Type of entity: Scientific journal
- 36** **Performed tasks:** Journal article review
Entity where activity was carried out: ACM Communications
Type of entity: Scientific journal
- 37** **Performed tasks:** Journal article review
Entity where activity was carried out: Adaptive Behaviour
Type of entity: Scientific journal
- 38** **Performed tasks:** Journal article review
Entity where activity was carried out: Advances in Complex Systems
Type of entity: Scientific journal



- 39** **Performed tasks:** Journal article review
Entity where activity was carried out: Artificial Intelligence Journal
Type of entity: Scientific journal
- 40** **Performed tasks:** Journal article review
Entity where activity was carried out: Artificial Intelligence and Law
Type of entity: Scientific journal
- 41** **Performed tasks:** Journal article review
Entity where activity was carried out: Cognitive Computing
Type of entity: Scientific journal
- 42** **Performed tasks:** Journal article review
Entity where activity was carried out: Computational Intelligence
Type of entity: Scientific journal
- 43** **Performed tasks:** Journal article review
Entity where activity was carried out: Computing
Type of entity: Scientific journal
- 44** **Performed tasks:** Journal article review
Entity where activity was carried out: Constraints
Type of entity: Scientific journal
- 45** **Performed tasks:** Journal article review
Entity where activity was carried out: Electronic Commerce, Research and Applications
Type of entity: Scientific journal
- 46** **Performed tasks:** Journal article review
Entity where activity was carried out: Engineering Applications of Artificial Intelligence
Type of entity: Scientific journal
- 47** **Performed tasks:** Journal article review
Entity where activity was carried out: Group Decision and Negotiation
Type of entity: Scientific journal
- 48** **Performed tasks:** Journal article review
Entity where activity was carried out: IEEE Internet Computing
Type of entity: Scientific journal
- 49** **Performed tasks:** Journal article review
Entity where activity was carried out: IEEE Systems, Man and Cybernetics
Type of entity: Scientific journal
- 50** **Performed tasks:** Journal article review
Entity where activity was carried out: IEEE Technology and Society Magazine
Type of entity: Scientific journal
- 51** **Performed tasks:** Journal article review
Entity where activity was carried out: INFOR, Information Systems & Operations Research
Type of entity: Scientific journal



- 52** **Performed tasks:** Journal article review
Entity where activity was carried out: Informatica **Type of entity:** Scientific journal
- 53** **Performed tasks:** Journal article review
Entity where activity was carried out: Information Sciences **Type of entity:** Scientific journal
- 54** **Performed tasks:** Journal article review
Entity where activity was carried out: International Journal of Agent-Oriented and Software Engineering **Type of entity:** Scientific journal
- 55** **Performed tasks:** Journal article review
Entity where activity was carried out: International Journal of Computational Intelligence Systems **Type of entity:** Scientific journal
- 56** **Performed tasks:** Journal article review
Entity where activity was carried out: International Journal of Computational Intelligence **Type of entity:** Scientific journal
- 57** **Performed tasks:** Journal article review
Entity where activity was carried out: International Journal of Simulation and Process Modelling **Type of entity:** Scientific journal
- 58** **Performed tasks:** Journal article review
Entity where activity was carried out: International Journal of Uncertainty, Fuzziness and Knowledge-based systems **Type of entity:** Scientific journal
- 59** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of Artificial Intelligence Research **Type of entity:** Scientific journal
- 60** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of Autonomous Agents and Multi-agent Systems **Type of entity:** Scientific journal
- 61** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of Experimental and Theoretical Artificial Intelligence **Type of entity:** Scientific journal
- 62** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of Human Computation **Type of entity:** Scientific journal
- 63** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of Intelligent Transportation Systems **Type of entity:** Scientific journal
- 64** **Performed tasks:** Journal article review
Entity where activity was carried out: Journal of the Brazilian Computer Society **Type of entity:** Scientific journal



- 65** **Performed tasks:** Journal article review
Entity where activity was carried out: Logic Journal **Type of entity:** Scientific journal of the IGPL
- 66** **Performed tasks:** Journal article review
Entity where activity was carried out: Mathematical Problems in Engineering **Type of entity:** Scientific journal
- 67** **Performed tasks:** Journal article review
Entity where activity was carried out: Nature Communications **Type of entity:** Scientific journal
- 68** **Performed tasks:** Journal article review
Entity where activity was carried out: Revista Iberoamericana de Automática e Informática Industrial **Type of entity:** Scientific journal
- 69** **Performed tasks:** Journal article review
Entity where activity was carried out: The Computer Journal **Type of entity:** Scientific journal
- 70** **Performed tasks:** Journal article review
Entity where activity was carried out: The Knowledge Engineering Review **Type of entity:** Scientific journal
- 71** **Performed tasks:** Journal article review
Entity where activity was carried out: Web Intelligence and Agent Systems **Type of entity:** Scientific journal
- 72** **Performed tasks:** Journal article review
Entity where activity was carried out: iScience **Type of entity:** Scientific journal

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University of Technology Sydney **Type of entity:** University
City of entity: Sydney, Australia
Start date: 05/01/2009 **Duration:** 4 months - 3 days
Name of programme: Multiagent Systems
Goals of the stay: Programa Jose Castillejo
- 2** **Entity:** Center for Coordination Science, Massachusetts Institute of Technology (MIT)
City of entity: Cambridge, United States of America
Start date: 01/11/1999 **Duration:** 1 year
Name of programme: Multiagent Systems
Goals of the stay: Contracted



- 3** **Entity:** University of Bath
City of entity: Bath,
Start date: 02/1996
Name of programme: Multiagent Systems
Goals of the stay: Doctorate
Type of entity: University
Duration: 4 months
- 4** **Entity:** University of Hertfordshire
City of entity: Hatfield, United Kingdom
Start date: 02/1993
Name of programme: Neural networks
Goals of the stay: Erasmus
Type of entity: University
Duration: 6 months

Obtained grants and scholarships

- 1** **Name of the grant:** José Castillejo
Aims: Research stay
Awarding entity: Ministerio de Ciencia e Innovación
Conferral date: 05/01/2009
End date: 08/05/2009
Entity where activity was carried out: University of Technology Sydney, Sydney, Australia
Type of entity: Público
Duration: 4 months - 3 days
- 2** **Name of the grant:** Ramón y Cajal
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia y Tecnología
Conferral date: 01/03/2003
End date: 15/06/2005
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas
Faculty, institute or centre: Instituto de Investigación en Inteligencia Artificial
Type of entity: Público
Duration: 2 years - 3 months - 15 days
- 3** **Name of the grant:** Beca predoctoral FI-PG/96-8.472
Aims: Pre-doctoral
Awarding entity: Generalitat de Catalunya
Conferral date: 01/02/1996
End date: 30/09/1999
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas
Faculty, institute or centre: Instituto de Investigación en Inteligencia Artificial
Type of entity: Público
Duration: 3 years - 10 months
- 4** **Name of the grant:** Erasmus
Aims: Student exchange programme
Awarding entity: Universitat Autònoma de Barcelona
Conferral date: 01/02/1993
End date: 30/06/1993
Entity where activity was carried out: University of Hertfordshire, United Kingdom
Type of entity: University
Duration: 5 months



Scientific societies and professional associations

- 1 Name of the society:** Associació Catalana d'Intel·ligència Artificial
Start date: 1997
- 2 Name of the society:** European Association for Artificial Intelligence (EurAI)
Start date: 1997

Editorial councils

- 1 Name of the editorial council:** Autonomous Agents and Multiagent Systems
Start date: 25/06/2021
- 2 Name of the editorial council:** Journal of Artificial Intelligence Research
Tasks carried out: Associate editor
Geographical area: Non EU International
Start date: 11/08/2017 **Duration:** 6 years - 2 months - 22 days
- 3 Name of the editorial council:** Artificial Intelligence Journal
Start date: 06/12/2016
- 4 Name of the editorial council:** Springer Series on "Emergence, complexity and computation"
Affiliation entity: Springer **Type of entity:** Business
Start date: 26/01/2012
- 5 Name of the editorial council:** Electronic Commerce Research and Applications
Start date: 27/01/2010 **Duration:** 6 years - 11 months
- 6 Name of the editorial council:** The Knowledge Engineering Review
Start date: 08/07/2009

Prizes, mentions and distinctions

- 1 Description:** Second prize for the best dissemination work
Awarding entity: Associació catalana d'intel·ligència artificial **Type of entity:** Associations and Groups
City awarding entity: Món Sant Benet, Catalonia, Spain
Conferral date: 27/10/2023
- 2 Description:** IJCAI-ECAI 2022 Distinguished Senior Program Committee Member
Awarding entity: IJCAI – International Joint Conference on Artificial Intelligence and EurAI-European Association for Artificial Intelligence
Conferral date: 2022



- 3** **Description:** IJCAI-ECAI 2018 Distinguished Senior Program Committee Member
Awarding entity: IJCAI – International Joint Conference on Artificial Intelligence and EurAI-European Association for Artificial Intelligence
Conferral date: 2018
- 4** **Description:** Fellow of the European Association for Artificial Intelligence (EurAI)
Awarding entity: European Association for Artificial Intelligence (EurAI)
Conferral date: 2013
- 5** **Description:** Most cited article of the Engineering Application of Artificial Intelligence Journal during the period 2005-2010
Awarding entity: Elsevier
Conferral date: 2010
- 6** **Description:** Best Agent Application (First prize) of the 2003 Agentcities International Agent Technology Competition
Awarding entity: Comisión Europea **Type of entity:** Público
Conferral date: 2003

Periods of research activity and knowledge transfer

- 1** **Certifying entity:** Ministerio de Ciencia e Innovación **Type of entity:** Público
Date of recognition: 2021
- 2** **Certifying entity:** Ministerio de Economía y Hacienda **Type of entity:** Público
Date of recognition: 2015
- 3** **Certifying entity:** Ministerio de Ciencia e Innovación **Type of entity:** Público
Date of recognition: 2009
- 4** **Certifying entity:** Ministerio de Ciencia y Tecnología **Type of entity:** Público
Date of recognition: 2003