

Curriculum Vitae

NOMBRE: Carles Sierra García

APELLIDOS: Sierra García
NOMBRE: Carles
SEXO: V
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DIRECCION PARTICULAR: Roselles 11
CIUDAD: L'Hospitalet de Llobregat DISTRITO POSTAL: 08901 TELEFONO: 933 385 477
ESPECIALIZACION (CODIGO UNESCO): 12 03 04

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FORMACION ACADEMICA

LICENCIATURA/INGENIERIA	CENTRO	FECHA
Licenciado en informática	Facultad de Informática de Barcelona (UPC)	1986
DOCTORADO		
Doctor en informática	Facultad de Informática de Barcelona (UPC)	1989

DIRECTOR(ES) DE TESIS: Ramon López de Màntaras

ORGANISMO: Consejo Superior de Investigaciones Científicas (CSIC)
FACULTAD, ESCUELA O INSTITUTO: Institut d'Investigació en Intel·ligència Artificial (IIIA)
DEP./SECC./UNIDAD ESTR.: Departamento de Sistemas Inteligentes
CATEGORIA PROFESIONAL Y FECHA DE INICIO: Profesor de Investigación (29/5/03)
DIRECCION POSTAL: IIIA-CSIC, Campus de la UAB. 08193 Bellaterra, Barcelona
TELEFONO (indicar prefijo, número y extensión): 935 809 570

PLANTILLA OTRAS SITUACIONES ESPECIFICAR:
CONTRATO DEDICACION: A TIEMPO COMPLETO
BECARIO A TIEMPO PARCIAL
INTERINO

ACTIVIDADES ANTERIORES DE CARACTER CIENTIFICO O PROFESIONAL

FECHAS	PUESTO	INSTITUCION
1/1/87 – 31/12/89	Titulado superior especializado	Centro de Estudios Avanzados de Blanes (CSIC)
1/1/90 – 10/8/00	Colaborador Científico	IIIA (CSIC)
1/8/96 – 31/7/97	Investigador Visitante	QMW College, University of London
11/8/00 – 28/5/03	Investigador Científico	IIIA (CSIC)
13/5/05 – 12/5/14	Adjunct Professor	Faculty of IT, UTS, Sydney
June 2017 – present	Adjunct Professor	Western Sydney University
1/10/12 – 30/9/15	Visiting Research Fellow	Goldsmiths College, University of London

IDIOMAS DE INTERES CIENTIFICO (R=Regular; B=Bien; C=Correctamente)

IDIOMA	HABLA	LEE	ESCRIBE
Ingles	C	C	C
Francés	C	C	B
Italiano	B	B	R
Ruso	R	R	R

FECHA DE CUMPLIMENTACION: February 2022

FIRMA:

Summary

Carles Sierra is Research Professor and Director of the Artificial Intelligence Research Institute (IIIA) of the Spanish National Research Council (CSIC) located in the area of Barcelona. He is currently the President of EurAI, the European Association for Artificial Intelligence. He has previously worked at different universities in the UK and Australia. In the latter country he is an adjunct professor at Western Sydney University. He has taught at various universities, including the University of Technology Sydney, the Politècnica de València, the Paris Descartes, or the Autònoma de Barcelona, among others. He has participated in more than 20 projects funded by the European Union and has secured more than 12M in funding throughout his career.

He is or has been a member of various journal editorial boards, including those of AIJ and JAIR, two of the most prestigious generalist journals, and has been editor-in-chief of JAAMAS, which specializes in autonomous agents. He has published more than 300 articles that have received more than 20,000 citations. He organized IJCAI, the most important international artificial intelligence conference, in 2011 in Barcelona and was its Program Committee Chair in 2017 in Melbourne. He has been a member of the IFAAMAS committee that manages the reference congress on autonomous agents and multi-agent systems (AAMAS) of which he was Program Chair in 2004 and General Chair in 2009. He was the President of the Catalan artificial intelligence association for four years and its treasurer for eight. Since 2005 he is a Fellow of the European AI Association, EurAI. He received the ACM/SIGAI Autonomous Agents Research Award In 2019.

He has been doing research in Artificial Intelligence since 1985, the year in which the Center for Advanced Studies of the CSIC in Blanes was created. Initially he worked on knowledge representation, uncertainty and expert systems. His main area of research is the design of autonomous agent architectures and multi-agent systems. His key contributions are in the area of automated trading and computational negotiation and argumentation, with papers from the 1990s still cited. Since the mid-1990s, he has been the main promotor of the area of electronic institutions and very active in electronic commerce mediated by autonomous agents through auctions. Since 2005, he has made contributions in the area of agreement technologies, in particular in trust models, in automated negotiation based on information theory and in multi-agent organizations.

Between 1995 and 2000, he worked in broker-mediated auctions. He was the leader of the FishMarket auction house project. This auction house was the first broker-mediated auction in Europe, and the only one at its time that allowed real-time downwards-auction protocols. This tool was used in various academic competitions between 1997 and 2000. It developed techniques that guaranteed fairness in Dutch auctions.

He has been working on the general concept of agent-mediated electronic commerce since 1996. He has published several review articles and edited several books in this field. Since 1997 he has worked on the design of negotiation mechanisms. He proposed a heuristic model of great impact and worked on its formal aspects, as well as its experimentation and application. The model has been extended with a notion of "compensation" to improve the results obtained. The notion of "compensation" is based on the use of fuzzy similarity. As a natural improvement of the offers that can be made in the negotiation processes, he has worked on the use of computational argumentation for the generation and analysis of proposals and counterproposals. More recently, he proposed 'Branch and Bound' algorithms for negotiating very large deal spaces and has used them to design agents capable of negotiating in the game 'Diplomacy'.

Currently, he is working on team formation techniques, value engineering for autonomous agents and explainability. His main area of application has moved to the use of AI in Education.

PARTICIPACION EN PROYECTOS DE INVESTIGACION FINANCIADOS

Proyectos Internacionales

TITULO DEL PROYECTO: TAILOR: Foundations of Trustworthy AI — Integrating Reasoning, Learning and Optimization

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: H2020-952215

DURACION DESDE: 01/06/2020 HASTA: 30/05/2023

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: HumanE-AI-Net: HumanE AI Network

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: H2020-952026

DURACION DESDE: 01/09/2020 HASTA: 11/08/2023

INVESTIGADOR PRINCIPAL: **Jesús Cerquides**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: NL4XAI: Interactive Natural Language Technology for Explainable Artificial Intelligence

ENTIDAD FINANCIADORA: MSCA-ITN-ETN – European Training Networks

Número de proyecto: H2020-860621

DURACION DESDE: 01/10/2019 HASTA: 30/09/2023

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: AI4EU: A European AI On Demand Platform and Ecosystem

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: H2020-AI4EU

DURACION DESDE: 01/01/2019 HASTA: 31/12/2021

INVESTIGADOR PRINCIPAL: **Juan Antonio Rodríguez-Aguilar**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: WENET. The Internet of us.

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: H2020-823783

DURACION DESDE: 01/01/2019 HASTA: 31/12/2022

INVESTIGADOR PRINCIPAL: **Nardine Osman**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: LOGISTAR. Enhanced data management techniques for real time logistics planning and scheduling

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: H2020-769142

DURACION DESDE: 01/06/2018 HASTA: 31/05/2021

INVESTIGADOR PRINCIPAL: **Jordi Levy**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: PRAISE: Practice and peRformance Analysis Inspiring Social Education

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: FP7-318770

DURACION DESDE: 1/10/2012 HASTA: 30/09/2015

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: PACES: Providing Autonomous Capabilities for Evolving SCADA

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: EPSRC:Research Grant - EP/J012149/1

DURACION DESDE: 1/07/2012 HASTA: 30/06/2015

INVESTIGADOR PRINCIPAL: **Lluís Godo**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: ACE: Autonomic Software Engineering for online cultural experiences

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: CHIST-ERA

DURACION DESDE: 1/9/2011 HASTA: 31/08/2013

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: ABM: It is all about me. Anthropomorphised Trading in Believable Electronic Markets

ENTIDAD FINANCIADORA: Australian Government

Número de proyecto: DP0879789

DURACION DESDE: 1/1/2008 HASTA: 31/12/2010

INVESTIGADOR PRINCIPAL: **John Debenham**

INSTITUTO O CENTRO DE EJECUCIÓN: University of Technology, Sydney

TITULO DEL PROYECTO: LiquidPub: Liquid Publications: Scientific Publications meet the Web

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: FP7-213360

DURACION DESDE: 1/4/2008 HASTA: 31/3/2011

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA, CSIC

TITULO DEL PROYECTO: eRep: Social Knowledge for e-Governance

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: CIT5-028575

DURACION DESDE: 1/4/2006 HASTA: 31/3/2008

INVESTIGADOR PRINCIPAL: **Jordi Sabater**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA, CSIC

TITULO DEL PROYECTO: OpenKnowledge

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: 027256

DURACION DESDE: 1/1/2006 HASTA: 31/12/2008

INVESTIGADOR PRINCIPAL: **Marco Schorlemmer**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA, CSIC

TITULO DEL PROYECTO: The Curious Negotiator - committing only to that which is maximally non-committal

ENTIDAD FINANCIADORA: Australian Government

Número de proyecto: DP0557168

DURACION DESDE: 1/1/2005 HASTA: 31/12/2007

INVESTIGADOR PRINCIPAL: **John Debenham**

INSTITUTO O CENTRO DE EJECUCIÓN: University of Technology, Sydney

TITULO DEL PROYECTO: Binding EU-Latin American IST Research initiatives for enhancing future co-operation

ENTIDAD FINANCIADORA: European Commission

Número de proyecto: IST 2001-32792

DURACION DESDE: 1/5/2003 HASTA: 30/4/2005

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: EUTIST-AMI Cluster

ENTIDAD FINANCIADORA: European Comission

Número de proyecto: IST-2001-37146

DURACION DESDE: 1/2002 HASTA: 7/2004

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: MASFIT: Multi-Agent Systems for FIsh Trading

ENTIDAD FINANCIADORA: European Comission

Número de proyecto: IST-2001-37146

DURACION DESDE: 1/2002 HASTA: 7/2003

INVESTIGADOR PRINCIPAL: **Pere Garcia**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: AgentLink. European Excellence Network on Agent Computing II

ENTIDAD FINANCIADORA: European Comission

Número de proyecto:

DURACION DESDE: 7/2000 HASTA: 7/2003

INVESTIGADOR PRINCIPAL: **Mike Luck**

INSTITUTO O CENTRO DE EJECUCIÓN: University of Southampton, UK

TITULO DEL PROYECTO: SLIE

ENTIDAD FINANCIADORA: European Comission

Número de proyecto: IST-1999-10948

DURACION DESDE: 2000 HASTA: 2003

INVESTIGADOR PRINCIPAL: **Jaume Agustí**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: AgentLink. European Excellence Network on Agent Computing

ENTIDAD FINANCIADORA: European Comission

Número de proyecto: ESPRIT 27225

DURACION DESDE: 5/1998 HASTA: 6/2000

INVESTIGADOR PRINCIPAL: **Mike Wooldridge**

INSTITUTO O CENTRO DE EJECUCIÓN: Queen Mary and Westfield College, London

TITULO DEL PROYECTO: Co-habited Mixed-Reality Information Spaces (COMRIS)

ENTIDAD FINANCIADORA: ESPRIT

Número de proyecto: ESPRIT LTR 25500

DURACION DESDE: 9/1997 HASTA: 8/2000

INVESTIGADOR PRINCIPAL: **Enric Plaza i Cervera**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: VIM: A Virtual Multicomputer

ENTIDAD FINANCIADORA: CEE Proyecto Human Capital and Mobility

Número de proyecto: ERBCHRXCT9304001

DURACION DESDE: 1994 HASTA: 1997

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: MUM: Gestión de la incertidumbre en medicina

ENTIDAD FINANCIADORA: CEE Proyecto “Cooperation in Science and Technology with Central and Eastern European Countries (Copernicus)”

Número de proyecto: 10053

DURACION DESDE: 1994 HASTA: 1996

INVESTIGADOR PRINCIPAL: **Francesc Esteva Massaguer**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: DRUMS-II: Defeasible Reasoning and Uncertainty Management Systems
ENTIDAD FINANCIADORA: CEE Proyecto ESPRIT-Basic Research Action
Número de proyecto: P6156
DURACION DESDE: 1/10/1992 HASTA: 31/3/1996
INVESTIGADOR PRINCIPAL: **Ramon López de Màntaras**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: IPCES: Intelligent Process Control by means of Expert Systems
ENTIDAD FINANCIADORA: CEE Proyecto ESPRIT II
Número de proyecto: P2448
DURACION DESDE: 1989 HASTA: 1992
INVESTIGADOR PRINCIPAL: **Carles Sierra**
INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

Proyectos Nacionales

TITULO DEL PROYECTO: RHYMAS: Real-time Hybrid Multiscale Agent-based Simulations for emergency training
ENTIDAD FINANCIADORA: Programa Estatal de I+D+i Orientada a los Retos de la Sociedad
Número de proyecto: PID2020-113594RB-100
DURACION DESDE: 01/09/2021 HASTA: 31/08/2024
INVESTIGADOR PRINCIPAL: **Jordi Sabater**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: NanoMOOCs: Nou format audiovisual amb funcionalitats tecnològiques avançades per a l'aprenentatge
ENTIDAD FINANCIADORA: ACCIÓ — Generalitat de Catalunya
Número de proyecto: COMRDI18-1-0010
DURACION DESDE: 01/11/2019 HASTA: 30/07/2022
INVESTIGADOR PRINCIPAL: **Jordi Sabater**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: CIMBVAL: Imbuing values in the coordination of hybrid social networks
ENTIDAD FINANCIADORA: MINECO
Número de proyecto: TIN2017-89758-R
DURACION DESDE: 01/2018 HASTA: 12/2020
INVESTIGADOR PRINCIPAL: **Nardine Osman**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: AppPhil. Applied Philosophy for the Value-Based Design of Social Network Apps

ENTIDAD FINANCIADORA: RECERCAIXA

Número de proyecto:

DURACION DESDE: 4/2018 HASTA: 4/2020

INVESTIGADOR PRINCIPAL: **Nardine Osman**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: uHelp

ENTIDAD FINANCIADORA: MINECO

Número de proyecto: EUIN2015-62530

DURACION DESDE: 9/2015 HASTA: 8/2017

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Doctorat Industrial

ENTIDAD FINANCIADORA: Generalitat Catalunya

Número de proyecto: DI-2014

DURACION DESDE: 11/2014 HASTA: 11/2017

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: CollectiveMind: La Mente Colectiva: un enfoque cognitivo para el modelado y el razonamiento sobre experiencias compartidas

ENTIDAD FINANCIADORA: MINECO

Número de proyecto: TEC2013-49430-EXP

DURACION DESDE: 9/2014 HASTA: 8/2016

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: MILESS: A Framework for Mixed-Level Social Simulation with Socio-cognitive Agents

ENTIDAD FINANCIADORA: MICIN

Número de proyecto: TIN2013-45039-P

DURACION DESDE: 1/2014 HASTA: 12/2016

INVESTIGADOR PRINCIPAL: **Jordi Sabater-Mir**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: CBIT: Community-Building Information Technology

ENTIDAD FINANCIADORA: MICIN

Número de proyecto: TIN2010-16306

DURACION DESDE: 1/2011 HASTA: 12/2013

INVESTIGADOR PRINCIPAL: **Marco Schorlemmer**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: AT: Agreement Technologies
ENTIDAD FINANCIADORA: MECD
Número de proyecto: CONSOLIDER CSD2007-0022, INGENIO 2010
DURACION DESDE: 10/2007 HASTA: 12/2013
INVESTIGADOR PRINCIPAL: **Carles Sierra**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: BROKAPITAL: REDES SOCIALES DEL CONOCIMIENTO PARA LOS PROCESOS DE INVERSION DE CAPITAL RIESGO EN PROYECTOS DE BASE TECNOLOGICA
ENTIDAD FINANCIADORA: MECD
Número de proyecto: TSI-020502-2008-14
DURACION DESDE: 11/2008 HASTA: 12/2010
INVESTIGADOR PRINCIPAL: **Josep Puyol-Gruart**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Instituciones Electrónicas Autónomas
ENTIDAD FINANCIADORA: MECD
Número de proyecto: TIN2006-15662-C02-01
DURACION DESDE: 1/2004 HASTA: 12/2006
INVESTIGADOR PRINCIPAL: **Juan Antonio Rodríguez**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Tecnolog??as Convergentes MNBIC
ENTIDAD FINANCIADORA: CSIC
Número de proyecto:
DURACION DESDE: 1/2005 HASTA: 11/2005
INVESTIGADOR PRINCIPAL: **Jordi Aguiló**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: WEBI2: Instituciones Electrónicas, extensiones de la noción básica
ENTIDAD FINANCIADORA: MECD
Número de proyecto: TIC2003-08763-c02-00
DURACION DESDE: 1/2004 HASTA: 12/2006
INVESTIGADOR PRINCIPAL: **Pablo Noriega**
INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: eINSTITUTOR: Transacciones comerciales automatizadas por agentes autónomos inteligentes mediante instituciones electrónicas

ENTIDAD FINANCIADORA: MCYT

Número de proyecto: TIC2000-1414

DURACION DESDE: 12/2000 HASTA: 12/2003

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Navegación basada en visión de robots autónomos en entornos no estructurados

ENTIDAD FINANCIADORA: CICYT

Número de proyecto: TAP97-1209

DURACION DESDE: 7/1997 HASTA: 6/2000

INVESTIGADOR PRINCIPAL: **Enric Celaya**

INSTITUTO O CENTRO DE EJECUCIÓN: IRI-CSIC

TITULO DEL PROYECTO: Sistemas multiagente y su aplicación en servicios hospitalarios (SMASH)

ENTIDAD FINANCIADORA: CICYT

Número de proyecto:

DURACION DESDE: 1/8/1996 HASTA: 31/7/2001

INVESTIGADOR PRINCIPAL: **Lluís Godo Lacasa**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: DISCOR, Descripción Incremental de Sistemas Basada en el Cálculo de Refinamientos

ENTIDAD FINANCIADORA: CICYT

Número de proyecto: TIC 94-0847-C02-01

DURACION DESDE: 19/5/94 HASTA: 19/5/97

INVESTIGADOR PRINCIPAL: **Jaume Agustí**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: ARREL: Arquitecturas reflexivas: Fundamentos lógicos y aplicaciones

ENTIDAD FINANCIADORA: CICYT

Número de proyecto: TIC92-0579-C02-01

DURACION DESDE: 1993 HASTA: 1995

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: TESEU, Modularización y Refinamiento de Sistemas Expertos

ENTIDAD FINANCIADORA: CICYT

Número de proyecto: TIC 91-430

DURACION DESDE: 1/1/1992 HASTA: 31/12/1994

INVESTIGADOR PRINCIPAL: **Jaume Agustí**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

TITULO DEL PROYECTO: Especificación, diseño e implementación de un lenguaje concurrente para la construcción de sistemas expertos

ENTIDAD FINANCIADORA: CICYT

Número de proyecto: TIC 880j380

DURACION DESDE: 1989 HASTA: 1991

INVESTIGADOR PRINCIPAL: **Jaume Agustí**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

TITULO DEL PROYECTO: Desarrollo de sistemas expertos de ayuda al diagnóstico médico

ENTIDAD FINANCIADORA: Ministerio de Sanidad y Consumo, Becas FISS

Número de proyecto:

DURACION DESDE: 1987 HASTA: 1988

INVESTIGADOR PRINCIPAL: **Ferran Sanz**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

Proyectos Bilaterales

TITULO DEL PROYECTO: Arquitectura de agentes software para actuar bajo incertidumbre

ENTIDAD FINANCIADORA: PCI/IBEROAMERICA

Número de proyecto: A/3541/05

DURACION DESDE: 3/2006 HASTA: 3/2007

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC, Universidad de Rosario, Argentina

TITULO DEL PROYECTO: Agent Architectures for Electronic Commerce

ENTIDAD FINANCIADORA: CSIC/ICCTI

Número de proyecto: 2002PT0026

DURACION DESDE: 1/2002 HASTA: 12/2003

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC, Universidad de Lisboa

TITULO DEL PROYECTO: Sistemas multiagente y comercio electrónico

ENTIDAD FINANCIADORA: CSIC/CONACYT

Número de proyecto: 99MX0020

DURACION DESDE: 1999 HASTA: 2000

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC/LANIA, Xalapa, Mexico

TITULO DEL PROYECTO: A distributed shell for knowledge based systems

ENTIDAD FINANCIADORA: CSIC-CNR

Número de proyecto:

DURACION DESDE: 1/1/1995 HASTA: 31/12/1996

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC, Istituto di Cibernetica (Napoli)

TITULO DEL PROYECTO: CPST: Utensilios para la resolución cooperativa de problemas

ENTIDAD FINANCIADORA: UNESCO: Programa Intergubernamental de Informática

Número de proyecto:

DURACION DESDE: 1994 HASTA: 1994

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

TITULO DEL PROYECTO: Estudio teórico e implementación de modelos lógicos de razonamiento aproximado y mantenimiento de la consistencia

ENTIDAD FINANCIADORA: PICS

Número de proyecto:

DURACION DESDE: 1989 HASTA: 1989

INVESTIGADOR PRINCIPAL: **Settimò Termini, Enric Plaza**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

TITULO DEL PROYECTO: Aplicaciones de sistemas expertos en diseño de circuitos integrados de gran escala VLSI

ENTIDAD FINANCIADORA: MEC. Acción integrada Hispano-Alemana

Número de proyecto:

DURACION DESDE: 1988 HASTA: 1988

INVESTIGADOR PRINCIPAL: **Ramon López de Màntaras**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

Contratos de interés industrial

TITULO DEL PROYECTO: GEAR: Strategic Management of High Performance Sales Teams

ENTIDAD FINANCIADORA: Acc10 - INNOEMPRESA IEDES12/1/0025; In collaboration with:

ENZYME Advising Consulting

Número de proyecto: n/a

DURACION DESDE: 6/5/2012 HASTA: 09/05/2013

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Cambio de plataforma del entorno MILORD II de Macintosh a Windows

ENTIDAD FINANCIADORA: Institut de Recerca i Desenvolupament Agrari-IRTA

Número de proyecto: n/a

DURACION DESDE: 15/9/1995 HASTA: 14/03/1996

INVESTIGADOR PRINCIPAL: **Carles Sierra**

INSTITUTO O CENTRO DE EJECUCIÓN: IIIA-CSIC

TITULO DEL PROYECTO: Desarrollo de un sistema inferencial en PROLOG con capacidades de tratamiento de la incertidumbre

ENTIDAD FINANCIADORA: SIEMENS A.G. Munich (R.F.A.)

Número de proyecto:

DURACION DESDE: 1988 HASTA: 1988

INVESTIGADOR PRINCIPAL: **Ramon López de Màntaras**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

TITULO DEL PROYECTO: Desarrollo de sistemas de adquisición, representación y gestión del conocimiento incierto mediante técnicas de razonamiento aproximado

ENTIDAD FINANCIADORA: STANDARD ELÉCTRICA

Número de proyecto: 19-TC/281

DURACION DESDE: 1985 HASTA: 1985

INVESTIGADOR PRINCIPAL: **Ramon López de Màntaras**

INSTITUTO O CENTRO DE EJECUCIÓN: CEAB-CSIC

PUBLICACIONES

Artículos en revistas indexadas en SCI

- [1] Nardine Osman, Ronald Chenu-Abente, Qiang Shen, Carles Sierra, and Fausto Giunchiglia. Empowering users in online open communities. *SN Comput. Sci.*, 2(4):338, 2021.
- [2] Nieves Montes and Carles Sierra. Value-guided synthesis of parametric normative systems. In Frank Dignum, Alessio Lomuscio, Ulle Endriss, and Ann Nowé, editors, *AAMAS '21: 20th International Conference on Autonomous Agents and Multiagent Systems, Virtual Event, United Kingdom, May 3-7, 2021*, pages 907–915. ACM, 2021.
- [3] Dave de Jonge, Tomas Trescak, Carles Sierra, Simeon Simoff, and Ramón López de Mántaras. Using game description language for mediated dispute resolution. *AI Soc.*, 34(4):767–784, 2019.
- [4] Ewa Andrejczuk, Filippo Bistaffa, Christian Blum, Juan A. Rodríguez-Aguilar, and Carles Sierra. Synergistic team composition: A computational approach to foster diversity in teams. *Knowl. Based Syst.*, 182, 2019.
- [5] Ewa Andrejczuk, Rita Berger, Juan A. Rodríguez-Aguilar, Carles Sierra, and Víctor Marín-Puchades. The composition and formation of effective teams: computer science meets organizational psychology. *Knowledge Eng. Review*, 33:e17, 2018.
- [6] Ewa Andrejczuk, Juan A. Rodríguez-Aguilar, and Carles Sierra. Collaborative rankings. *Fundam. Inform.*, 158(1-3):277–295, 2018.
- [7] Dave De Jonge and Carles Sierra. D-brane: a diplomacy playing agent for automated negotiations research. *Appl. Intell.*, 47(1):158–177, 2017.
- [8] Kim Bauters, Kevin McAreavey, Weiru Liu, Jun Hong, Lluis Godo Lacasa, and Carles Sierra. Managing different sources of uncertainty in a BDI framework in a principled way with tractable fragments. *J. Artif. Intell. Res.*, 58:731–775, 2017.
- [9] Jones Granatyr, Nardine Osman, João Dias, Maria Augusta Silveira Netto Nunes, Judith Masthoff, Fabrício Enembreck, Otto Robert Lessing, Carles Sierra, Ana Paiva, and Edson Emílio Scalabrin. The need for affective trust applied to trust and reputation models. *ACM Comput. Surv.*, 50(4):48:1–48:36, 2017.
- [10] Dave De Jonge and Carles Sierra. Nb³: a multilateral negotiation algorithm for large, non-linear agreement spaces with limited time. *Autonomous Agents and Multi-Agent Systems*, 29(5):896–942, 2015.
- [11] Roberto Confalonieri, Matthew Yee-King, Katina Hazelden, Mark d'Inverno, Dave De Jonge, Nardine Osman, Carles Sierra, Leila Amgoud, and Henri Prade. Engineering multiuser museum interactives for shared cultural experiences. *Eng. Appl. of AI*, 46:180–195, 2015.
- [12] Nardine Osman, Patricia Gutierrez, and Carles Sierra. Trustworthy advice. *Knowl.-Based Syst.*, 82:41–59, 2015.
- [13] Juan A. Rodríguez-Aguilar, Carles Sierra, Josep Lluís Arcos, Maite López-Sánchez, and Inmaculada Rodríguez. Towards next generation coordination infrastructures. *Knowledge Eng. Review*, 30(4):435–453, 2015.

- [14] Patricia Gutierrez, Nardine Osman, Carme Roig, and Carles Sierra. Trust-based community assessment. *Pattern Recognition Letters*, 67:49–58, 2015.
- [15] Juan A. Rodríguez-Aguilar, Carles Sierra, Josep Lluis Arcos, Maite López-Sánchez, and Inmaculada Rodriguez. Towards next generation coordination infrastructures. *Knowledge engineering review*, 30, 2015.
- [16] Holger Billhardt, Alberto Fernandez, Lissette Lemus, Marin Lujak, Nardine Osman, Sascha Ossowski, and Carles Sierra. Dynamic coordination in fleet management systems: Toward smart cyber fleets. *Intelligent Systems*, 29:70–76, 05/2014 2014.
- [17] Nardine Osman, Carles Sierra, Fiona McNeill, Juan Pane, and John Debenham. Trust and matching algorithms for selecting suitable agents. *ACM Transactions on Intelligent Systems and Technology*, pages 1–39, 2013.
- [18] Angela Fabregues and Carles Sierra. HANA: A human-aware negotiation architecture. *Decision Support Systems*, 60:18–28, 2014.
- [19] Nardine Osman, Carles Sierra, Fiona McNeill, Juan Pane, and John K. Debenham. Trust and matching algorithms for selecting suitable agents. *ACM TIST*, 5(1):16, 2013.
- [20] Ana Casali, Lluís Godo, and Carles Sierra. A language for the execution of graded bdi agents. *Logic Journal of the IGPL*, 21(3):332–354, 2013.
- [21] Piero A. Bonatti, Eugenio Oliveira, Jordi Sabater-Mir, Carles Sierra, and Francesca Toni. On the integration of trust with negotiation, argumentation and semantics. *Knowledge Eng. Review*, 29(1):31–50, 2014.
- [22] Ismel Brito, Nardine Osman, Jordi Sabater-Mir, and Carles Sierra. Charms: a charter management system. automating the integration of electronic institutions and humans. *Applied Artificial Intelligence*, 26(4):306–330, 2012.
- [23] Marco Schorlemmer, Joaquín Abián, Carles Sierra, David de la Cruz, Lorenzo Bernacchioni, Enric Jaén, Adrián Perreau de Pinninck Bas, and Manuel Atencia. P2P Proteomics - Data Sharing for Enhanced Protein Identification. *Automated Experimentation*, 4:1–17, 2012.
- [24] Mark d’Inverno, Michael Luck, Pablo Noriega, Juan A. Rodríguez-Aguilar, and Carles Sierra. Communicating open systems. *Artificial Intelligence*, 186:38–94, 2012.
- [25] Jose M. Such, Agustín Espinosa, Ana García-Fornes, and Carles Sierra. Self-disclosure Decision Making based on Intimacy and Privacy. *Journal of Information Sciences*, 211:93–111, 2012.
- [26] Ana Casali, Lluís Godo, and Carles Sierra. A language for the execution of graded bdi agents. *Logic Journal of the IGPL* (doi:10.1093/jigpal/jzr037), Advanced Access November 21, 2011, pages 1–24, 2011.
- [27] Angela Fabregues and Carles Sierra. Dipgame: a challenging negotiation testbed. *Engineering Applications of Artificial Intelligence*, 24:1137–1146, 2011.
- [28] Ana Casali, Lluís Godo, and Carles Sierra. A graded BDI agent model to represent and reason about preferences. *Artificial Intelligence*, 175:1468–1478, 2011.

- [29] Adrian Perreau de Pinninck, Carles Sierra, and W. Marco Schorlemmer. A multiagent network for peer norm enforcement. *Autonomous Agents and Multi-Agent Systems*, 21(3):397–424, 2010.
- [30] Andrés García-Camino, Juan A. Rodríguez-Aguilar, Carles Sierra, and Wamberto W. Vasconcelos. Constraint rule-based programming of norms for electronic institutions. *Autonomous Agents and Multi-agent Systems*, 18:186–217, 2009.
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- [44] Dídac Busquets, Carles Sierra, and Ramon López de Màntaras. A multi-agent approach to fuzzy landmark-based navigation. *Journal of Multiple-Valued Logic and Soft Computing*, 9:195–220, 2003.
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Artículos en otras revistas (incluyendo LNCS y LNAI)

- [1] Carles Sierra, Nardine Osman, Pablo Noriega, Jordi Sabater-Mir, and Antoni Perelló. Value alignment: a formal approach. CoRR, abs/2110.09240, 2021.
- [2] Athina Georgara, Carles Sierra, and Juan A. Rodríguez-Aguilar. TAIP: an anytime algorithm for allocating student teams to internship programs. CoRR, abs/2005.09331, 2020.
- [3] Nieves Montes and Carles Sierra. Value alignment equilibrium in multiagent systems. CoRR, abs/2009.07619, 2020.
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- [14] Andrés García-Camino, Juan Antonio Rodríguez-Aguilar, Carles Sierra, and Wamberto W. Vasconcelos. A distributed architecture for norm-aware agent societies: A retrospective. In Sakama et al., editor, *Declarative Agent Languages and Technologies IX*, volume 7169, pages 102–110. LNCS, Springer, 2012.

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- [16] María del Carmen Delgado and Carles Sierra. Coalition-oriented sensing in wireless sensor networks. In *The 14th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA-2011)*, volume 7047, pages 448–459, Wollongong, Australia, 2011. LNCS, Springer.
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- [19] John K. Debenham and Carles Sierra. An agent for ecological deliberation. In *Knowledge-Based and Intelligent Information and Engineering Systems, Lecture Notes in Computer Science, KES (1)*, pages 220–229, 2010.
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- [21] Àngela Fàbregues and Carles Sierra. Diplomacy game: the test bed. *PerAdaMagazine*, 2009.
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ESTANCIAS EN CENTROS EXTRANJEROS

CLAVE: D=Doctorando; P=postdoctoral; I=invitado; C=contratado; O=otras (especificar)

CENTRO: RMIT University LOCALIDAD: Melbourne TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2017	DURACION: 1 mes CLAVE: I
CENTRO: Western Sydney University LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2017	DURACION: 1 mes CLAVE: I
CENTRO: University Rene Descartes LOCALIDAD: Paris TEMA: Argumentación Computacional	PAIS: Francia AÑO: 2013	DURACION: 1 mes CLAVE: Sabático
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2012	DURACION: 3 meses CLAVE: Sabático
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2010	DURACION: 1 mes CLAVE: Sabático
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2008	DURACION: 3 meses CLAVE: Sabático
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2006	DURACION: 3 meses CLAVE: Sabático
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2005	DURACION: 1,5 meses CLAVE: I
CENTRO: University of Technology, Sydney LOCALIDAD: Sydney TEMA: Sistemas Multiagente	PAIS: Australia AÑO: 2004	DURACION: 3 meses CLAVE: Sabático
CENTRO: Queen Mary and Westfield College, University of London LOCALIDAD: Londres TEMA: Sistemas Multiagente	PAIS: Gran Bretaña AÑO: 1996–1997	DURACION: 12 meses CLAVE: Sabático
CENTRO: Universidad de Rosario LOCALIDAD: Rosario TEMA: Sistemas Expertos	PAIS: Argentina AÑO: 1990	DURACION: 6 semanas CLAVE: I

CENTRO: CINVESTAV	PAIS: Mexico	AÑO: 1989	DURACION: 5 semanas
LOCALIDAD: Mexico DF			CLAVE: I
TEMA: Sistemas Expertos			
CENTRO: Siemens A.G.	PAIS: Alemania	AÑO: 1987	DURACION: 2 meses
LOCALIDAD: München			CLAVE: I
TEMA: Sistemas Expertos			

COMITES CONGRESUALES, CONFERENCIAS Y CARGOS DE GESTIÓN CIENTÍFICA

Menciones honoríficas

- ECCAI Fellow desde 2005.

Comités editoriales de revista

- International Journal of Autonomous Agents and Multiagent Systems (editor in chief) (2014-2019)
- Law, Governance and Technology Series
- AICOMM (Area Chair de Agentes)
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- Journal of AI Research (2011–2018)
- Artificial Intelligence Journal (2011–2016)
- Human-Computer Studies (2004–2018)
- Web Intelligence and Agent Systems. An International Journal (2010-2015)
- Engineering Applications of Artificial Intelligence (2010-2012)

Conference Chair

- “Blue Sky” track chair of AAMAS 2018.
- PC chair IJCAI 2017, Melbourne, Australia, 2017.
- Workshop Chair, International Conference on Autonomous Agents and Multiagent Systems, AAMAS16, Singapore, 2016.
- Local Chair, International Joint Conference on Artificial Intelligence, IJCAI11, Barcelona, 2011.
- General Chair, International Conference on Autonomous Agents and Multiagent Systems, AAMAS09, Budapest, 2009.
- Workshop Chair, Twentieth International Joint Conference on AI, IJCAI, 2007.

- Program Chair, Third International Joint Conference on Autonomous Agents and Multi-Agent Systems, New York, USA, 2004.
- General Chair, First European Workshop on Multi-Agent Systems, EUMAS, Oxford, UK, 2003.
- General Chair, Fourth International Conference on Autonomous Agents, Barcelona, España, 2000.
- Tutorial Chair, Third International Conference on Autonomous Agents, Seattle, USA, 1999.

Other conference organisation responsibilities

- Area Chair, AAAI 2021.
- Area Chair, IJCAI 2021.
- Area Chair, IJCAI 2020.
- Area Chair, MAS at IBERAMIA, Santiago de Chile, 2014.
- Treasurer, Second European Workshop on Multiagent systems, EUMAS04, Barcelona, 20004.
- Co-chair, Workshop on Agentcities: Challenges in Open Agent Environments, (AAMAS), Bologna, July, 2002.
- Co-Chair, Workshop on Agent-mediated Electronic Commerce (IJCAI), Stockholm, Suecia, 1999.
- Co-Chair, Workshop on Agent-mediated Electronic Trading (Agents 98), Minneapolis, USA, 1998.

Conferencias invitadas

- On the engineering of social values Chinese Congress on Artificial Intelligence 2022 (CCAI 2022), China, October 2022.
- Artificial Intelligence 2030 Coloquios 2022/23, Instituto de Física Teórica, Madrid, Spain, October 2022.
- ¿Qué puede hacer la IA por la educación? Semana de la inteligencia artificial - Ceibal, Uruguay, October 2022.
- Intel·ligència Artificial al servei dels humans Science Needs You 2022: Intel·ligència Artificial a l'abast - Associació Catalana per a la Divulgació Científica, Amposta, Spain, October 2022.
- On the engineering of social values National PhD in Artificial Intelligence - Health and life sciences area, Rome, Italy, September 2022.
- On the engineering of social values. The 19th European Conference on Multi-Agent Systems (EUMAS 2022) Düsseldorf, Germany, September 2022.

- Value-aligned norm systems Course Responsible AI (School for Information and Knowledge Systems (SIKS) in cooperation with the Hybrid Intelligence Centre) Online, Juny 2022.
- Responsible Artificial Intelligence Digital Humanism Lecture Series (TU Wien), Vienna, Austria, April 2022.
- AI's Responsible Agency AI Initiative for Science Workshop (Instituto de Física Corpuscular), Valencia, Spain, 26 November 2021.
- Value engineering 33rd Benelux Conference on Artificial Intelligence and the 30th Belgian Dutch Conference on Machine Learning (BNAIC/BENELEARN 2021), Luxemburg, Luxemburg, 12 November 2021.
- Intel·ligència Artificial en Educació Escola d'estiu Carme Miquel, Campus de Gandia, 9 de juliol de 2021.
- Value Engineering 2021 IJCAI-SAIA Young Elite Symposium (2021 IJCAI-SAIA YES) Shanghai, China, 5-7 July 2021
- Qué puede hacer la IA por la educación Jornada Autonómica TICyL'19, 2 de abril de 2019, Gobierno de castilla y León.
- La Inteligencia Artificial en las Industrias Creativas y Digitales Master Class- Oportunidades en las Industrias Creativas, Digitales e Innovacion Social - Pamplona, 27 de marzo 2019, Gobierno de Navarra.
- La IA al servei de la interacció social. Casos d'ús en comunicació, educació i cooperació, Cercle de Directors TIC, 17/10/2018, <http://cercleredirectorstic.com/2018/10/17/casos-dexit-daplicacio-dinteligencia-artificial-centren-la-vi-jornada-del-cercle-directors-tic/>.
- AI Techniques for Dynamic Packaging, Inteligencia Artificial: Oportunidades para la industria turística, Govern Balear, 30 November – 1 December, Palma de Mallorca.
- Agreement Computing. Co-ordination mechanisms, auctions, negotiation, argumentation, trust, Red de Excelencia Collective Knowledge, Scuola Politecnica e dell Scienze di Base, Seconda Università deli Studi di Napoli, Napoles, Italia, 16 de diciembre 2014.
- Introduction to Multiagent Systems. Concept, agent communication languages, agent architectures, BDI models, agent programming languages, applications, Red de Excelencia Collective Knowledge, Scuola Politecnica e dell Scienze di Base, Seconda Università deli Studi di Napoli, Napoles, Italia, 15 de diciembre 2014.
- Agreement Computing, 1st ESSENCE Autumn School, Isla de Ischia, Italia, 28 de octubre 2014.
- How to do the PhD and survive it, 1st ESSENCE Autumn School, Isla de Ischia, Italia, 28 de octubre 2014.
- Publicaciones líquidas: un modelo sostenible para la difusión y la evaluación científicas, Seminario Nuevos sistemas para la evaluación científica, peer-review y acceso abierto, Madrid, 22 de octubre 2014.

- Negotiation and Search, 8th Workshop-Escola de Sistemas de Agentes, seus ambientes e aplica??oes, Porto Alegre, Brazil, 28 de mayo 2014.
- Negotiation and Search, ASAII 2013 - XIV Argentine Symposium on Artificial Intelligence, UNC Ciudad Universitaria, C??rdoba, Argentina, 17 de septiembre de 2013.
- Information-Based Trust and Reputation, ALaboratory of Informatics Paris Descartes (LIPADE), Paris Descartes University, France, 9 de mayo de 2013.
- Negotiation and Search, ACAN workshop of the 2012 AAMAS conference, Valencia, Spain, 28 de junio de 2012.
- Information-based trust and reputation, IBERAMIA 2010, Bahia Blanca, Argentina, 4 de noviembre de 2010.
- Conventions, Agreements and Reputation, Universidad de Vigo, Ourense, 28 de septiembre de 2010.
- Information-based trust and reputation, Tamale Seminar, University of Ottawa, Canada, 17 de mayo de 2010.
- Information-based reputation, EUMAS 2009, Ayia Napa, Cyprus, 17 de diciembre de 2009.
- Agents, Information and Negotiation, Artificial Economics 2009, Valladolid, Spain, 11 septiembre 2009.
- Conventions, Agreements and Trust, Twelfth International Conference on Artificial Intelligence and Law, Barcelona, Spain, 9 junio 2009.
- Information-Based Trust and Reputation, Laboratoire d'Informatique de Grenoble, France, 2 Junio 2009.
- Agents, Information, and Negotiation, Second IEEE International Conference on Digital Ecosystems and Technologies, Phitsanulok, Thailand, 27 February 2008.
- Electronic Institutions, Digital Ecosystems and Business Intelligence Institute Curtin University of Technology, Perth, Australia, 5 septiembre 2008.
- Agents, Information and Negotiation, Digital Ecosystems and Business Intelligence Institute Curtin University of Technology, Perth, Australia, 21 septiembre 2008.
- Trust, Honour and Commitments, Department of Computer Science, University of Liverpool, UK, 21 febrero 2006.
- Social Behaviour and Electronic Institutions, Symposium on Social Behavoir, University of Groningen, The Netherlands, 26/5/2005.
- Electronic Institutions: Methods and tools for MAS development, Multi-agent and Open-Net Workshop At Library of National Taiwan University, Taiwan, 22/2/2005.
- Electronic Institutions: A Methodology for Multi-Agent Systems' Development, Pacific Rim Conference on Artificial Intelligence 2004, PRICAI'04, Auckland, New Zealand, 13/8/2004.

- *Agents and Reputation: the right combination for electronic commerce*, Congreso Brasileño de Inteligencia Artificial, Recife, 11/2002.
- *Agent Technologies and P2P architecture. Implementing the Single European Electronic Market (SEEM)*, Workshop on SEEM, European Commission, Brussels 1/10/02.
- *Electronic Institutions*, Workshop RASTA 2002, First International Conference on Autonomous Agents and Multi Agent Systems, Bologna, 16/7/2002.
- *Agent Negotiation Tactics*, Congreso Portugués de Inteligencia Artificial, EPIA01, Porto, 18/12/2001.
- *Agent-mediated interaction. From Auctions to argumentation*, Jornada SIKS, Utrecht 13/10/2000.
- *Agent-mediated interaction. From Auctions to argumentation*, Congreso Italiano de Inteligencia Artificial, Milán, 14/9/2000.
- *Negociación argumentativa en sistemas multiagente*, Universidad de Ourense, 14/10/1999.
- *Agent-mediated Electronic Commerce*, 7 Journees Francophones sur l'Intelligence Artificielle Distribuee et Systemes Multi-agents, La Reunion, Francia, 1999.
- *Multi-context argumentative agents*, Seminario Compulog-AgentLink, Imperial College, London, Gran Bretaña, 8/3/1999.
- *Imprecisión en Sistemas Inteligentes. Preguntas y respuestas*, I seminario Karl Menger, Girona, España, 1997.
- *DDL: A Dynamic Logic Application to describe Multi-language Logic Architectures*, Applied Logic Colloquium, London, Gran Bretaña, 1997.
- *Dynamic Logic as a Meta-Logic for Knowledge-Based Systems*, Third Hispano-Polish Symposium on System Analysis and Computer Science, 12 octubre 1995.
- *Introducció i Història de la Intel·ligència Artificial*, Sessió de conferencies 'Noves Tècniques per la Recerca històrica: La utilització de la Intel·ligència Artificial. Institució Milà i Fontanals, 24 Mayo 1995.
- *Sistemas de ayuda a la decisión clínica*, Curso de postgrado en Informática Médica, Departamento de Informática, Universitat Jaume I de Castelló, 7 Marzo 1995.
- *Fuzzy Expert Systems through an example in Microbiology*, EUROLAB 93. 10th IFCC European Congress of Clinical Chemistry, Niza, Francia, 1993.

Tutoriales

- *Computational Trust Models*, EASS 2014, Chania, Crete, 15/07/2014.
- *Electronic Institutions*, 8th Workshop-Escola de Sistemas de Agentes, seus ambientes e aplicações, Porto Alegre, Brazil, 30/06/2014.
- *Multiagent Systems and Electronic Institutions*, EASSS school, Valencia, Spain, 28/6/2012.

- *Agent-Mediated Interaction*, PRIMA Agents School, Auckland, New Zealand, 8/8/2004.
- *Agent-Mediated Electronic Commerce*, Australian School on Agents, Melbourne, 8-11/7/2003.
- *Agent-Mediated Electronic Commerce*, Fifth European School on Agents, Barcelona, 10-14/2/2003.
- *Foundations of multi-agent systems*, Second International Workshop on the History and Philosophy of Logic, Mathematics, and Computation, Donostia, 7-9/11/2002.
- *Agents and Electronic Commerce*, Congreso Brasileño de Inteligencia Artificial, Recife, Brasil, 11/2002.

Responsabilidades de gestión

- Miembro del Consejo Científico Asesor de la Fundación Gadea por la Ciencia, 2022
- Miembro de la Comisión Evaluadora de H2020-FETOPEN-2014
- Miembro del Consejo Académico del Centro para las tecnologías inteligentes de la Información y sus Aplicaciones (CETINIA), de la Universidad Rey Juan Carlos desde 2010.
- Miembro del Research Steering Committee del proyecto dot.rural de la University of Aberdeen (UK) des de 2010.
- Miembro de la Comisión Nacional Evaluadora de la Actividad Investigadora (CNEAI), 2008-2009.
- Miembro del ‘Advisory Board’ del proyecto Europeo ACSI, <http://www.acsi-project.eu/>, (2010-2013)
- Miembro del ‘Advisory Board’ del laboratorio LIACC de la Universidad de Porto, Portugal. (2006 –)
- Miembro del ‘Steering Committee’ del congreso EUMAS. (2005 – 2011)
- Miembro del Comité asesor del EASSS, escuela Europea de agentes. (2000 – 2006)
- Tesorero de la Asociación Catalana de Inteligencia Artificial (2002-2012)
- Chair del ‘Steering Committee’ del Workshop Agent-Mediated Electronic Commerce. (2001– 2005)
- Miembro del ‘Steering Committee’ del Congreso Autonomous Agents. (2001–2006)
- Miembro del ‘Management Board’ del International Foundation for Multi-Agent Systems. (2002–2012)
- Coordinador del Special Interest Group on Agent-mediated Electronic Commerce dentro de la red de excelencia AgentLink (1998–2003).
- Miembro del ‘Management board’ de la red Europea de excelencia AgentLink (1998–2003).
- Presidente de la “Associació Catalana d’Intel·ligència Artificial” (1998–2002).

Paneles

- Miembro Panel ERCIM/ESF sobre comercio electrónico, Amsterdam, 30-31/5/02.
- Miembro panel: *Economic models and MAS?*, (Presidente Hyathinth Nwana), Second International Conference on Autonomous Agents, Minneapolis, USA, 1998.
- Miembro panel: *Normative and descriptive approaches for modeling and designing MAS*, (Presidente Victor Lesser), International Conference on Multiagent Systems, Paris, Francia, 1998.

Miembro de Comités de Programa internacionales

- PC member at AAAI 2015
- ECAI 2014, Senior Program Committee Member
- AAMAS 2014, Senior Program Committee Member
- AAAI 2014, Program Committee Member
- PC AAAI-Nectar, 2010, 2013
- PC ECAI 2010 (Area Chair)
- AAMAS, International Conference on Autonomous Agents and Multi-Agent Systems (Senior Program Committee Member), 2002, 2003, 2005, 2010, 2011, 2019.
- AAAI 2010
- AA, Conference on Autonomous Agents, 2001
- ICMAS, International Conference on Multi-Agent Systems, 1998, 2000
- ATAL, Workshop on Agent Architectures, Theories, and Languages, 1997, 1998, 2000, 2001
- MAAMAW, Modelling Autonomous Agents in a Multi-Agent World, 1999, 2001
- CEEMAS, Central and East European workshop on Multi-Agent Systems, 1999, 2001
- CIA, Cooperative Information Agents, 1999, 2000, 2001, 2002, 2003, 2004
- CONTEXT, Conference on Modeling and Using Context, 2001, 2003, 2004
- ICAMT, International Conference on Active Media Technology, 2001, 2003
- ANTS, International Workshop on Ant Algorithms, 2002
- ICAIL, International Conference on Artificial Intelligence and Law, 2001
- KR, Knowledge Representation, 2000
- Learning, 2002
- NORMS, Norms and Institutions in MultiAgent Systems, 2000, 2001, 2002

- IAT, Intelligent Agent Technology, IEEE, 2001, 2003, 2004
- ICAIL, 2001
- ECAI, European Conference on Artificial Intelligence, 1998, 2000, 2010 (Area Chair)
- ACL, Workshop on Agent Communication Languages, 1999, 2002
- AAAI symposium (fall) on “Modal and Temporal Logic based Planning for Open Networked Multimedia Systems”, 1999
- COOPIS, 1999
- AIMSA, 1998
- IBERAMIA, 1994
- QUARDET, Qualitative Reasoning and Decision Technologies, 1993
- Diversos encuentros nacionales: España (CAEPIA'93, SIT'00, SIT'01, CCIA'00, CCIA'01), UK (AISB'01, AISB'02, UKMAS'00), Portugal (EPIA'01), Mexico (MICAI'00, MICAI'01, MICAI'02, MICAI'04), Brasil (SBIA'02, SBIA'03) (IJCAI 2009)

Tareas de experto

- Miembro tesis doctoral presentada en la “Delft University of Technology”, Delft, por Tim Baarslag, 18-09-2014
- Miembro tesis doctoral presentada en la “Delft University of Technology”, Delft, por Amineh Ghorbani, 14-06-13
- Experto del Comité del Programa de Tecnologías de la Información del Séptimo Programa Marco, Ministerio de Economía y Competitividad (2012-).
- Evaluador del programa IST de la Comisión Europea. Key Action 3 (V FP), Future and Emergent Technologies, and Semantic Web (VI y VII FP).
- Evaluador para la National Science Foundation.
- Evaluador para la Agencia Nacional de Evaluación de España, Holanda, Irlanda, Argentina, y Gran Bretaña.
- Miembro de la CNEAI en su comité 6.2 de evaluación de sexenios de Ingeniería
- Revisor de proyectos Europeos: AIMEDIA, CASBA, EBROKER, MAGECC, SMART-UP, WIDE, METOKIS, AEOLUS, SENSORIA, ARRIVAL, ANA, HAGGLE, REFLECT, ServiceWEB3.0, NETREFOUND, OPAALS, META-NET, COIN, ASCENS, MOSAIC
- Miembro tesis doctoral presentada en la “Delft University of Technology”, Delft, por Dmytro Tykhonov, 7-06-10
- Miembro tesis doctoral presentada en la “University of Trento”, Trento, por Mikalai Yatskevich 14-03-08.

- Miembro tesis doctoral presentada en la “Ecole Nationale supérieure des Mines”, Saint Etienne, por Guillaume Muller 11-12-06.
- Miembro tesis doctoral presentada en la “University of Southampton” por Minghua He. 10-9-04.
- Miembro tesis doctoral presentada en la “Universiteit Utrecht” por Virginia Dignum. 12-1-04.
- Miembro tesis doctoral presentada en la “Università di Lugano, Suiza” por Nicoletta Fornara. 4-7-03.
- Miembro tesis doctoral presentada en la “Ecole Nationale Supérieure d’Ingénieurs Electriens de Grenoble” por Konrad Szafnicki. 7-11-91.
- Habilitación de Pavlos Moraitis, Université Paris-Dauphine, actuando como Rapporteur, 12/02.

Dirección de proyectos final de carrera

- Análisis experimental de metaestrategias para agentes negociadores. Raquel Ros. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 2003.
- Milord II Server: Interfície d'accés remot a Milord. Marc Kirchner i Nadal. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1999.
- Monitorització de subastes electròniques distribuïdes. Oscar Molina Baltanas. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1999.
- Disseny i implementació de protocols de subasta per mercats de subastes electròniques. Miguel Mateos López. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1999
- Monitorización de subastas. Francisco Javier Giménez Bruque. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1997
- Diseño e implementación de una arquitectura para la construcción de agentes compradores de pescado. María del Carmen de Toro Valdivia. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1997
- Comunicación de procesos en Lisp sobre ordenadores Macintosh en red. David Corcuera Portolés. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1995
- Comunicación entre sistemas expertos y bases de datos. Agustí Alcalde Grabalosa. Universidad Autónoma de Barcelona. Facultad de Ciencias. Sección de Ingeniería Informática, 1995.
- The Fusion of Imprecise Segments for the Purposes of Environment Map Generation. Mike Askew. University of Aberdeen, Escocia, Noviembre 1995.

Actividades de divulgación

- Practicum: Intel.ligència Artificial i Robòtica en l'Educació Secundària. IARO-2013. Institut Font del Ferro. Noviembre 2013, Novembre 2015.
- Cine fòrum. Màquines, pensament i poder, 10/11/2016, CCCB: Pi: fe en el caos.
- Talk on ‘How to become a good researcher’, Ciència en primera persona, 150 high school students, Malgrat de mar, 16/11/2016.

ACTIVIDADES CIENTÍFICAS/TÉCNICAS

Línea de investigación o desarrollo en que ha trabajado

LINEA: Sistemas multiagente

CENTRO: IIIA-CSIC, University of London

FECHAS: 1996–

PALABRAS CLAVE: Negociación, Argumentación, Subastas, Instituciones electrónicas, Metodología

LINEA: Agentes Autónomos

CENTRO: IIIA-CSIC, University of London, UTS Sydney

FECHAS: 1996–

PALABRAS CLAVE: Arquitecturas multi-contexto

LINEA: Robótica

CENTRO: IIIA-CSIC

FECHAS: 1995–2007

PALABRAS CLAVE: Navegación autónoma

LINEA: Reflexión computacional

CENTRO: IIIA-CSIC

FECHAS: 1987–1996

PALABRAS CLAVE: Meta-razonamiento, Lógica dinámica

LINEA: Razonamiento aproximado

CENTRO: CEAB-CSIC, IIIA-CSIC

FECHAS: 1985–1998

PALABRAS CLAVE: Lógica borrosa, Algoritmos de inferencia

LINEA: Sistemas basados en conocimientos

CENTRO: CEAB-CSIC, IIIA-CSIC

FECHAS: 1985–1998

PALABRAS CLAVE: Lenguajes, Aplicaciones médicas, Aplicaciones al control industrial

TESIS DOCTORALES DIRIGIDAS

TITULO: Artificial intelligence methods to support people management in organisations

DOCTORANDO: Ewa Andrejczuk

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2018

CALIFICACION: Excelente

TITULO: Negotiations over Large Agreement Spaces

DOCTORANDO: Dave de Jonge

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2015

CALIFICACION: Excelente

TITULO: Organisation-based co-ordination of Wireless Sensor Networks

DOCTORANDO: Maria del Carmen Delgado

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2014

CALIFICACION: Excelente

TITULO: Facing the Challenge of Automated Negotiation with Humans

DOCTORANDO: Angela Fabregues

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2012

CALIFICACION: Cum Laude

TITULO: Coherence-Based Computational Agency

DOCTORANDO: Sindhu Joseph

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2010

CALIFICACION: Cum Laude

TITULO: Techniques for Peer Norm Enforcement in Multiagent Networks

DOCTORANDO: Adrián Perreau de Pinninck Bas

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2010

CALIFICACION: Cum Laude

TITULO: On Intentional and Social Agents with Graded Attitudes

DOCTORANDO: Ana Casali

UNIVERSIDAD: Universitat de Girona

FACULTAD/ESCUELA: Departament d'Electrònica, Informàtica y Automàtica

AÑO: 2008

CALIFICACION: Apto Cum Laude

TITULO: Virtual Institutions

DOCTORANDO: Anton Bogdanovich

UNIVERSIDAD: University of Technology, Sidney

FACULTAD/ESCUELA: Faculty of Information Technology

AÑO: 2008

CALIFICACION: Pass

TITULO: Multi-Agent Negotiation using Trust and Persuasion

DOCTORANDO: Sarvapali Dyanand Ramchurn

UNIVERSIDAD: University of Southampton

FACULTAD/ESCUELA: School of Electronics and Computer Science

AÑO: 2004

CALIFICACION: Pass

TITULO: A Multi-Agent Approach to Qualitative Navigation in Robotics

DOCTORANDO: Dídac Busquets

UNIVERSIDAD: Universitat Politècnica de Catalunya

FACULTAD/ESCUELA: Facultat d'Informàtica de Barcelona

AÑO: 2003

CALIFICACION: Apto Cum Laude

TITULO: Electronic Institutions: from Specification to Development

DOCTORANDO: Marc Esteva

UNIVERSIDAD: Universitat Politècnica de Catalunya

FACULTAD/ESCUELA: Facultat d'Informàtica de Barcelona

AÑO: 2003

CALIFICACION: Apto Cum Laude

TITULO: Trust and Reputation for Agent Societies

DOCTORANDO: Jordi Sabater

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Escola Tècnica Superior d'Enginyeria

AÑO: 2003

CALIFICACION: Apto Cum Laude

TITULO: On the Design and Construction of Agent-Mediated Electronic Institutions

DOCTORANDO: Juan Antonio Rodriíguez Aguilar

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Facultat de Ciències

AÑO: 2001

CALIFICACION: Apto Cum Laude

TITULO: Automated Service Negotiation between Autonomous Computational Agents

DOCTORANDO: Peyman Faratin

UNIVERSIDAD: University of London

FACULTAD/ESCUELA: Queen Mary and Westfield College

AÑO: 2001

CALIFICACION: Pass

TITULO: Agent Mediated Auctions: The Fishmarket Metaphor

DOCTORANDO: Pablo Cayetano Noriega Blanco Vigil

UNIVERSIDAD: Universitat Autònoma de Barcelona

FACULTAD/ESCUELA: Facultat de Ciències

AÑO: 1997

CALIFICACION: Apto Cum Laude

TITULO: An Expert System Architecture for Taxonomic Domains. An Application in Porifera: the Development of *Spongia*

DOCTORANDO: Marta Domingo i Gou

UNIVERSIDAD: Universitat de Barcelona

FACULTAD/ESCUELA: Facultat de Biologia

AÑO: 1995

CALIFICACION: Apta Cum Laude

TITULO: On Temporal Representation and Reasoning in Knowledge-Based Systems

DOCTORANDO: Lluís Vila i Grabulosa

UNIVERSIDAD: Universitat Politècnica de Catalunya

FACULTAD/ESCUELA: Facultat d'Informàtica

AÑO: 1994

CALIFICACION: Apto Cum Laude

OTROS MERITOS O ACLARACIONES QUE DESEE HACER CONSTAR

SEXENIOS Y QUINQUENIOS

Cinco sexenios evaluados positivamente (1987–1992, 1993–1998, 1999–2004, 2005–2010, 2011–2016)

Un sexenio tecnológico evaluado positivamente (1995–2012)

Seis quinquenios evaluados positivamente (1987–1991, 1992–1996, 1997–2001, 2002–2006, 2007–2011, 2012–2016)

DOCENCIA

CURSO: Distributed Artificial Intelligence/Agent-based Computing: Automated Negotiation

TITULACIÓN: Master Informatique M2 Recherche

DESDE: 2015 **HASTA:** -

DEPARTAMENTO: LIPADE

UNIVERSIDAD: Universite Paris Descartes

CATEGORÍA: Profesor invitado

CURSO: Sistemas multiagente

TITULACIÓN: Master Uni versitario en Investigación en Inteligencia Artificial

DESDE: 2016 **HASTA:** -

DEPARTAMENTO: Asociación española de inteligencia artificial

UNIVERSIDAD: Universidad Menendez Pelayo

CATEGORÍA: Profesor invitado

CURSO: Sistemas multiagente e Instituciones Electrónicas

TITULACIÓN: Máster en IA, reconocimiento de formas e imagen digital

DESDE: 2006 **HASTA:** -

DEPARTAMENTO: Facultad de Informática

UNIVERSIDAD: Universitat Politècnica de València

CATEGORÍA: Profesor invitado

CURSO: Sistemas multiagente e Instituciones Electrónicas

TITULACIÓN: Master in Computer Vision and Artificial Intelligence

DESDE: 2006 **HASTA:** 2013

DEPARTAMENTO: Departamento de Ciencias de la Computación

UNIVERSIDAD: Universitat Autònoma de Barcelona

CATEGORÍA: Profesor invitado

CURSO: Agentes y sistemas multiagente

TITULACIÓN: Ingeniería en Informática

DESDE: 2002 **HASTA:** 2006

DEPARTAMENTO: Facultad de Informática

UNIVERSIDAD: Universitat de Girona

CATEGORÍA: Profesor invitado

CURSO: Agentes y sistemas multiagente
TITULACIÓN: Ingeniería en Informática
DESDE: 2002 HASTA: 2006
DEPARTAMENTO: Facultad de Informática
UNIVERSIDAD: Universitat Politècnica de Valencia
CATEGORÍA: Profesor invitado

CURSO: Agentes y sistemas multiagente
TITULACIÓN: Ingeniería en Informática
DESDE: 2001 HASTA: 2006
DEPARTAMENTO: Escola Tècnica Superior d'Enginyeria
UNIVERSIDAD: Universitat Autònoma de Barcelona
CATEGORÍA: Asociado tiempo parcial

CURSO: Agentes y sistemas multiagente
TITULACIÓN: Ingeniería en Informática
DESDE: 2001 HASTA: 2002
DEPARTAMENTO: Facultad de Informática
UNIVERSIDAD: Universitat Politècnica de Madrid
CATEGORÍA: Profesor invitado

CURSO: Teoria de la Programació
TITULACIÓN: Ingeniería en Informática
DESDE: 1995 HASTA: 2005
DEPARTAMENTO: Facultad de Ciencias
UNIVERSIDAD: Universitat Autònoma de Barcelona
CATEGORÍA: Asociado tiempo parcial

CURSO: Tècniques Avançades de programació en Intel·ligència Artificial
TITULACIÓN: Doctorado en Inteligencia Artificial
DESDE: 1991 HASTA: 2001
DEPARTAMENTO: Departamento de Lenguajes y Sistemas Informáticos
UNIVERSIDAD: Universitat Politècnica de Catalunya
CATEGORÍA: Profesor invitado

CURSO: Tècniques Avançades de programació en Intel·ligència Artificial
TITULACIÓN: Doctorado en Informática (Opción inteligencia artificial)
DESDE: 1994 HASTA: 2001
DEPARTAMENTO: Departamento de Informática
UNIVERSIDAD: Universitat Autònoma de Barcelona
CATEGORÍA: Profesor invitado

CURSO: Técnicas Avanzadas de Inteligencia Artificial
TITULACIÓN: Doctorado en Informática
DESDE: 1992 HASTA: 1996
DEPARTAMENTO: Facultad de Informática
UNIVERSIDAD: Universidad de Deusto
CATEGORÍA: Profesor invitado

CURSO: Nuevas Tendencias en Inteligencia Artificial en Medicina

TITULACIÓN: Doctorado en Informática

DESDE: 1995 HASTA: 1996

DEPARTAMENTO: Facultad de Informática

UNIVERSIDAD: Universidad del País Vasco

CATEGORÍA: Profesor invitado

CURSO: Introducción a la Inteligencia Artificial

TITULACIÓN: Doctorado en Informática

DESDE: 1990 HASTA: 1991

DEPARTAMENTO: Departamento de Psicología

UNIVERSIDAD: Universidad de la Laguna

CATEGORÍA: Profesor invitado

DESARROLLOS INFORMÁTICOS REGISTRADOS (El software no es patentable)

NOMBRE: Synergetic Team Composition

FECHA 2018–2021

DESCRIPCIÓN: Programa informático

TRANSFERIDO A: No ha sido transferido aun.

REGISTRO: Depósito notarial N? 2301/2020 Registro Territorial Madrid, Notaría Calle Sagasta, 32 2-2

NOMBRE: Collective Assessment

FECHA 2014–2016

DESCRIPCIÓN: Componente de software de evaluación colaborativa (Collaborative Assessment)

TRANSFERIDO A: No ha sido transferido aun.

REGISTRO: Depósito notarial N? 527/2016 Registro Territorial Madrid, Notaría Calle Sagasta, 32 2-2

NOMBRE: TrustIT

FECHA 2005–2014

DESCRIPCIÓN: Componente de confianza basado en teoría de la información, cuyas características esenciales son: teoría de la información, análisis semántico

TRANSFERIDO A: Change Management Tools S.L.U, Pure Inspiration.

REGISTRO: Depósito notarial N? 607/2014 Registro Territorial Madrid, Notaría Calle Sagasta, 32 2-2

NOMBRE: MILORD II

FECHA 1994–2000

DESCRIPCIÓN: Herramienta de desarrollo de sistemas basados en conocimientos, cuyas características esenciales son: lógica difusa, redes bayesianas, modularidad y lógicas locales

TRANSFERIDO A: Hospital de Mataró, Hospital de Plzen (República Checa), Academia de Ciencias Checa (República Checa), Dept. LSI de la Universitat Politècnica de Catalunya, Institut of Automatic Control & Robotics, University of Technology (Varsovia, Polonia), Laboratorio Nacional de Inteligencia Artificial (Mexico), Unidad de Ingeniería de Sistemas y Automática, Escuela Politécnica Superior de la Universidad de Girona, Institut de Recerca i Desenvolupament Agrari-IRTA (Lleida), Istituto di Cibernetica-CNR (Nápoles, Italia).

REGISTRO: B-37189, presentada el 24/11/99 en el Registre Territorial de Catalunya, Oficina de Barcelona

DESARROLLOS INFORMÁTICOS NO REGISTRADOS (El software no es patentable)

NOMBRE: PeerFlow	FECHA 2015
DESCRIPCIÓN: A web application enabling operational peer-to-peer learning where lesson plans can be created. Una de las innovaciones incluidas en el Innoradar de la Unión Europea https://www.innoradar.eu/innovation/375	
TRANSFERIDO A: no transferido.	
REGISTRO: no realizado	
NOMBRE: FishMarket	FECHA 2000
DESCRIPCIÓN: Casa de subastas por Internet	
TRANSFERIDO A: World Food Trading, Mexico.	
REGISTRO: En CSIC	
https://www.innoradar.eu/innovation/375	
NOMBRE: IPCES	FECHA 1992
DESCRIPCIÓN: Sistema basado en conocimientos para el diagnóstico de fallos de producción en el proceso de fabricación de tubos de imagen de televisión	
TRANSFERIDO A: Philips, Eindhoven (Holanda)	
REGISTRO: no realizado	
NOMBRE: RENOIR	FECHA 1991
DESCRIPCIÓN: Sistema experto de diagnóstico de enfermedades reumáticas	
TRANSFERIDO A: Hospital de Castelló	
REGISTRO: no realizado	
NOMBRE: PNEUMON-IA	FECHA 1990
DESCRIPCIÓN: Sistema experto de diagnóstico de neumonías extrahospitalarias	
TRANSFERIDO A: Hospital de Mataró, Hospital de Wroclaw (Polonia)	
REGISTRO: no realizado	
NOMBRE: Fuzzy KEE	FECHA 1989
DESCRIPCIÓN: Incorporación del método de representación lingüística de incertidumbre de MILORD I en el sistema de desarrollo de Sistemas Expertos KEE	
TRANSFERIDO A: Fuzzy Demonstration Zentrum (Dortmund, Alemania)	
REGISTRO: no realizado	
NOMBRE: Milord I	FECHA 1988–1991
DESCRIPCIÓN: Sistema de desarrollo de sistemas basados en conocimientos utilizando lógica difusa	
TRANSFERIDO A: Hospital de Mataró, Hospital de Castelló, Fuzzy Demonstration Zentrum (Dortmund, Alemania), Facultad de Ingeniería de la Universidad de Rosario (Argentina)	
REGISTRO: no realizado	
NOMBRE: VLSI	FECHA 1988
DESCRIPCIÓN: Sistema experto sobre diseño de circuitos de alta integración	
TRANSFERIDO A: Facultad de Informática, Universidad de Dortmund (Alemania)	
REGISTRO: no realizado	
NOMBRE: UPCLISP	FECHA 1984–1986
DESCRIPCIÓN: Intérprete del lenguaje UPCLISP en DEC VAX/11 VMS	
TRANSFERIDO A: Facultad de Informática de la Universitat Politècnica de Catalunya	
REGISTRO: no realizado	

NOMBRE: SOLAR

FECHA 1987

DESCRIPCIÓN: Sistema experto sobre control de plantas de energía solar

TRANSFERIDO A: Escuela de Ingenieros Industriales de Vigo

REGISTRO: no realizado

PREMIOS Y OTROS MERITOS

PREMIO: ACM/SIGAI Autonomous Agents Award

MOTIVO: For contributions to the MAS field

ENTIDAD: Handed at AAMAS 2019

FECHA: 2019

PREMIO: Best Conference Paper

MOTIVO: por el artículo Trust, Negotiations and Virtual Currencies for a Sharing Economy

ENTIDAD: 3rd International Conference on Agreement Technologies, Athens

FECHA: 2015

PREMIO: Best Conference Paper

MOTIVO: por el artículo Retrieving and Reusing Game Plays for Robot Soccer

ENTIDAD: European Conference on Case-Based Reasoning

FECHA: 2006

PREMIO: segundo Premio Nuevas Aplicaciones para Internet

MOTIVO: por el prototipo ISLANDER: un Editor de Instituciones Electrónicas

ENTIDAD: Cátedra Telefónica en la UPM para Internet de Nueva Generación

FECHA: 2002

PREMIO: al mejor artículo de prototipo

MOTIVO: por el artículo ISLANDER: an electronic institutions editor

ENTIDAD: First International Conference on Autonomous Agents and Multiagent systems FECHA: 2002

PREMIO: al mejor trabajo en lógica y ciencias cognitivas

MOTIVO: por la Tesis Doctoral: *MILORD: Arquitectura multi-nivell per a sistemes experts en classificació*

ENTIDAD: Diputación de Barcelona

FECHA: 1989

PREMIO: XII Edición Premios Mundo Electrónico al mejor trabajo en Electrónica profesional

MOTIVO: por el trabajo *Pneumon-IA: Desarrollo de un sistema Experto en medicina utilizando lógica difusa*

ENTIDAD: Editorial Boixareu

FECHA: 1987

PREMIO: Europeo DIGITAL

MOTIVO: por el mejor artículo en Inteligencia Artificial. El artículo fue presentado en el Congreso "Expert Systems and their Applications", Avignon, titulado: *Managing Linguistically Expressed Uncertainty in MILORD-Applications to Medical Diagnosis*

ENTIDAD: DIGITAL

FECHA: 1987

PREMIO: XI Edición Premios Mundo Electrónico al mejor trabajo en Electrónica profesional

MOTIVO: por el libro *LISP*

ENTIDAD: Editorial Boixareu

FECHA: 1986

CURSOS IMPARTIDOS

CURSO Agentes y Sistemas multiagente
CENTRO: Universidad Europea de Madrid
PERIODO: 23–25 Septiembre 2002

CURSO Computación Natural
CENTRO: Cursos de verano de El Escorial de la UCM. Lección: “Evolución de agentes inteligentes”
PERIODO: 6 agosto 2001

CURSO Intel·ligència Artificial
CENTRO: Museu de la Ciència de Barcelona. Lección: “Agents autònoms i societats multiagent”
PERIODO: 27 abril 2001

CURSO Sistemas Expertos en Medicina
CENTRO: Master en Gestión de la Universidad de León
PERIODO: 12–13 Noviembre 1993

CURSO Introducción a LISP y a técnicas de programación en IA
CENTRO: Facultad de Informática, Universidad Politécnica de Madrid
PERIODO: 18–22 enero, 1993

CURSO Inteligencia Artificial
CENTRO: Master de Informática Hospitalaria, Instituto para el Desarrollo Informático de Directivos, Barcelona
PERIODO: 1990, 1991, 1992

CURSO Perspectivas actuales de la computación
CENTRO: Instituto Tecnológico de Querétaro. Mexico.
PERIODO: 15–16 Noviembre 1989

CURSO Herramientas de desarrollo de Sistemas Expertos
CENTRO: X Escuela de verano de informática. Organizada por la Asociación Española de Informática y Automática y el Departamento de Informática y Automática de la Universidad Complutense. S’Agaró (Girona)
PERIODO: 27 Junio–8 Julio 1988.

CURSO Introducción a la Inteligencia Artificial y al Diagnóstico Médico
CENTRO: Instituto Municipal de Investigaciones Médicas, Barcelona
PERIODO: Mayo 1987

CURSO Introducción a la Inteligencia Artificial
CENTRO: Centro de Cálculo de la Universidad Politécnica de Catalunya. Ciclo de Informática Aplicada
PERIODO: Febrero y Marzo de 1987

CURSO Introducción a la Inteligencia Artificial: LISP, Representación del conocimiento y sistemas Expertos
CENTRO: Universidad de Deusto
PERIODO: 17–19 Marzo 1986

CURSO Introducción al lenguaje LISP

CENTRO: Centro de Cálculo de la Universidad Politécnica de Catalunya

PERIODO: 25 Nov.-11 Dic. 1985; 15 Oct.-19 Dic. 1986