

Ficha de grupo de investigación

INTELIGENCIA COMPUTACIONAL

Código: TIC210

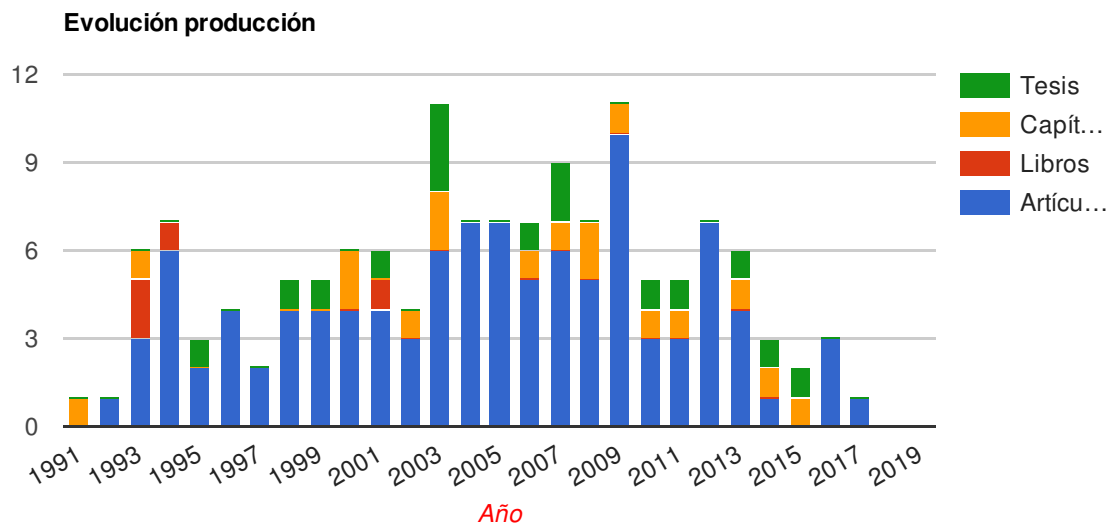
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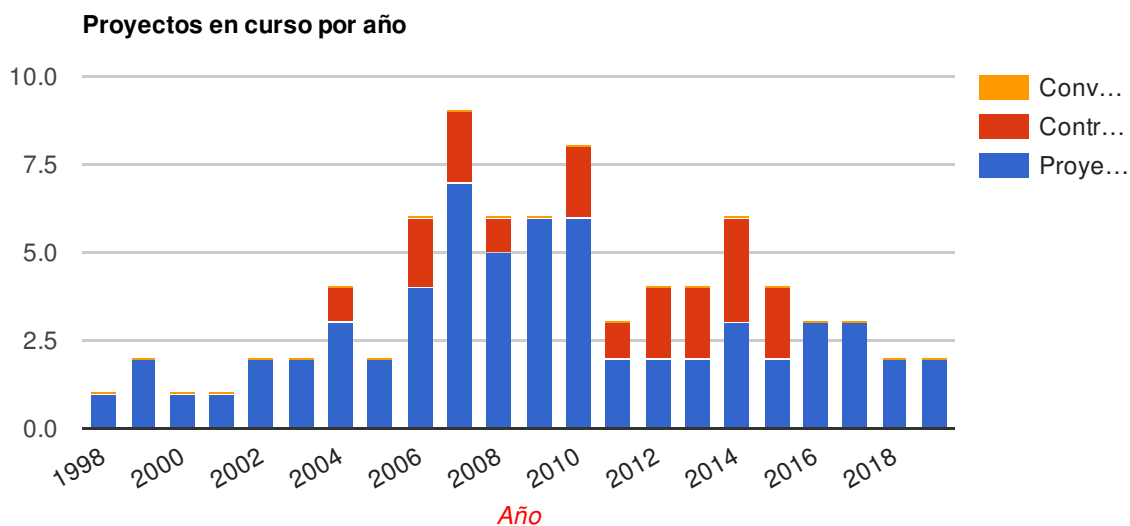
Producción 237

- Artículos (182)
- Libros (6)
- Capítulos de Libros (30)
- Tesis dirigidas (19)



Proyectos dirigidos 29

- Proyectos (16)
- Contratos (13)
- Convenios (0)



Actividades 20

| Titulo publicación | Fuente | Tipo | Fecha |
|---|---|-------------------|-------|
| Are situation awareness and decision-making in driving totally conscious processes? | Transportation research. part f: traffic psychology and behaviour | Articulo | 2017 |
| A multi-agent conversational system with heterogeneous data sources access | Expert systems with applications | Articulo | 2016 |
| Proactive listening to a training commentary improves hazard prediction | Safety science | Articulo | 2016 |
| What happens when drivers face hazards on the road? | Accident analysis & prevention | Articulo | 2016 |
| A classification theorem for continuous quasi-uninorms | Enric trillas: a passion for fuzzy sets | Capítulo de libro | 2015 |
| Emotions, conversational systems and heterogeneous data sources | Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación | Tesis doctoral | 2015 |
| Application of computational intelligence techniques in the development of intelligent systems for supporting learning | Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación | Tesis doctoral | 2014 |
| Sistema conversacional multiagente para acceder a fuentes heterogéneas | Aplicaciones multidisciplinares de sistemas de diálogo | Capítulo de libro | 2014 |
| Virtual tissue engineering and optic pathways: plotting the course of the axons in the retinal-fiber layer | Investigative ophthalmology & visual science | Articulo | 2014 |
| A cloud of faq: a highly-precise faq retrieval system for the web 2.0 | Knowledge-based systems | Articulo | 2013 |
| Asistentes virtuales en plataformas 3.0 | le comunicaciones | Articulo | 2013 |
| Closed-domain natural language approaches: methods and applications | | Tesis doctoral | 2013 |
| Collaborative system for learning based on questionnaires and tasks | International joint conference soco¿13-cisis ¿13-iceute¿13 | Capítulo de libro | 2013 |
| Learning regular expressions to template-based faq retrieval systems | Knowledge-based systems | Articulo | 2013 |
| Un paciente simulado virtual multilingüe para la formación en medicina | le comunicaciones | Articulo | 2013 |
| A high-performance faq retrieval method using minimal differentiator | Knowledge-based systems | Articulo | 2012 |
| A case based reasoning model for multilingual language generation in dialogues | Expert systems with applications | Articulo | 2012 |
| A framework for designing closed domain virtual assistants | Expert systems with applications | Articulo | 2012 |
| An expert fuzzy system to detect dangerous circumstances due to children in the traffic areas from the video content analysis | Expert systems with applications | Articulo | 2012 |
| Faqtory: a framework to provide high-quality faq retrieval systems | Expert systems with applications | Articulo | 2012 |
| Lexicon-based comments-oriented news sentiment analyzer system | Expert systems with applications | Articulo | 2012 |
| Using wikipedia concepts and frequency in language to extract key terms from support documents | Expert systems with applications | Articulo | 2012 |
| An expert fuzzy system for predicting object collisions. its application for avoiding pedestrian accidents. | Expert systems with applications | Articulo | 2011 |
| Introducing attribute risk for retrieval in case-based reasoning | Knowledge-based systems | Articulo | 2011 |
| Intelligent surveillance system with integration of heterogeneous information for intrusion detection | Expert systems with applications | Articulo | 2011 |

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|--|--|-------------------|------|
| Minimal differentiator expressions: a classification algorithm for linguistic cases in natural language case based systems | New trends on intelligent systems and soft computing | Capítulo de libro | 2011 |
| Una nueva perspectiva para recuperación en razonamiento basado en casos: mejora de la adecuación del caso recuperado usando funciones de riesgo | | Tesis doctoral | 2011 |
| A cbr system to new product development: an application for hearing devices design | World academy of science engineering and technology | Articulo | 2010 |
| A fuzzy expert system for business management | Expert systems with applications | Articulo | 2010 |
| An agent service-based platform supporting ontological integration of proficient knowledge managed in decision making | Advances in intelligent and soft computing | Capítulo de libro | 2010 |
| An agent-, service-based platform supporting ontological integration of proficient knowledge managed in decision making | Advances in soft computing | Articulo | 2010 |
| Un modelo para el desarrollo de sistemas de detección de situaciones de riesgo capaces de integrar formación de fuentes heterogeneas. aplicaciones | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 2010 |
| A cbr system for knowing the relationship between flexibility and operations strategy | Foundations of intelligent systems | Capítulo de libro | 2009 |
| A supervised learning approach to automate the acquisition of knowledge in surveillance systems | Signal processing | Articulo | 2009 |
| Automatic objects behaviour recognition from compressed video domain | Image and vision computing | Articulo | 2009 |
| Conjecturing from consequences | International journal of general systems | Articulo | 2009 |
| Controlling the emotional state of an embodied conversational agent with a dynamic probabilistic fuzzy rules based system | Expert systems with applications | Articulo | 2009 |
| Crisp sets as classes of discontinuous fuzzy sets | International journal of approximate reasoning | Articulo | 2009 |
| Designing and using software tools for educational purposes: flat, a case study | IEEE transactions on education | Articulo | 2009 |
| Intelligent surveillance based on normality analysis to detect abnormal behaviors | International journal of pattern recognition and artificial intelligence | Articulo | 2009 |
| Loss and gain functions for cbr retrieval | Information sciences | Articulo | 2009 |
| Non contradiction, excluded middle, and fuzzy sets | Lecture notes in computer science | Articulo | 2009 |
| On the reducibility of hypotheses and consequences | Information sciences | Articulo | 2009 |
| A new method to compare dynamical systems modelled using temporal fuzzy models | Uncertainty and intelligent information systems | Capítulo de libro | 2008 |
| An improved aco based plug-in to enhance the interpretability of fuzzy rule bases with exceptions | Lecture notes in computer science | Articulo | 2008 |
| Consistency measures for feature selection | Journal of intelligent information systems | Articulo | 2008 |
| Local distance-based classification | Knowledge-based systems | Articulo | 2008 |
| On the difference of fuzzy sets | International journal of intelligent systems | Articulo | 2008 |
| On the representation of fuzzy rules | International journal of approximate reasoning | Articulo | 2008 |
| Using a cbr approach based on ontologies for recommendation and reuse of knowledge sharing in decision making | Eight international conference on hybrid intelligent systems | Capítulo de libro | 2008 |
| A fuzzy inductive algorithm for modeling dynamical systems in a comprehensible way | IEEE transactions on fuzzy systems | Articulo | 2007 |

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|---|--|-------------------|------|
| A survey on fuzzy implication functions | IEEE Transactions on Fuzzy Systems | Artículo | 2007 |
| Algorithms for classification based on k-nn | Mathware & soft computing | Artículo | 2007 |
| An ant colony optimization plug-in to enhance the interpretability of fuzzy rule bases with exceptions | Analysis and design of intelligent systems using soft computing techniques . advances in soft computing series | Capítulo de libro | 2007 |
| Contribución al estudio crítico de la inferencia borrosa y de sus aplicaciones | Universidad politécnica de madrid. inteligencia artificial | Tesis doctoral | 2007 |
| Contribución al estudio de la computación con palabras/percepciones | Universidad politécnica de madrid. inteligencia artificial | Tesis doctoral | 2007 |
| Extraction of fuzzy rules from support vector machines: theme: modelling and interpretability issues | Fuzzy sets and systems | Artículo | 2007 |
| On the law $s(s(x,y),t(x,y))=s(x,y)$ on fuzzy logic | Fuzzy optimization and decision making (dordrecht. online) | Artículo | 2007 |
| Smooth transition autoregressive models and fuzzy rule-based systems: functional equivalence and consequences: theme: modelling and control | Fuzzy sets and systems | Artículo | 2007 |
| A t-norm based specificity for fuzzy sets on compact domains | International journal of general systems | Artículo | 2006 |
| Aggregation operators from the ancient nc and em point of view | Kybernetika | Artículo | 2006 |
| Aplicaciones del soft computing al análisis de ficheros logs de sitios web | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 2006 |
| Fuzzy pairwise multiclass support vector machines | Lecture notes in computer science 4293/2006 | Capítulo de libro | 2006 |
| Fuzzy pairwise multiclass support vector machines | Lecture notes in computer science | Artículo | 2006 |
| Measures of specificity of fuzzy sets under t-indistinguishabilities | IEEE Transactions on Fuzzy Systems | Artículo | 2006 |
| On the use of words and fuzzy sets | Information sciences | Artículo | 2006 |
| Commutativity as prior knowledge in fuzzy modeling | Fuzzy sets and systems | Artículo | 2005 |
| On complementary logical connectives and relative complements | International journal of uncertainty, fuzziness and knowledge-based systems | Artículo | 2005 |
| On contra-symmetry and mpt conditionality in fuzzy logic | International journal of intelligent systems | Artículo | 2005 |
| On measuring mu-t-inconditionality of fuzzy relations | Soft computing | Artículo | 2005 |
| On the symmetric difference of fuzzy sets | Fuzzy sets and systems | Artículo | 2005 |
| Using fuzzy repertory table-based technique for decision support | Decision support systems | Artículo | 2005 |
| What about fuzzy logic's linguistic soundness? | Fuzzy sets and systems | Artículo | 2005 |
| A direct linguistic induction method for systems | Fuzzy sets and systems | Artículo | 2004 |
| Acquiring domain knowledge for negotiating agents: a case of study | International journal of human-computer studies | Artículo | 2004 |
| Friwe: fuzzy rule identification with exceptions | IEEE Transactions on Fuzzy Systems | Artículo | 2004 |
| Fuzzy repertory table: a method for acquiring knowledge about input variables to machine learning algorithm | IEEE Transactions on Fuzzy Systems | Artículo | 2004 |
| Learning maximal structure fuzzy rules with exceptions | Fuzzy sets and systems | Artículo | 2004 |
| Standard theories of fuzzy sets with the law $(\mu \text{ boolean and } \sigma \text{ ;}) \text{ ;} = \sigma \text{ boolean or } (\mu \text{ ;} \text{ boolean and } \sigma \text{ ;})$ | International journal of approximate reasoning | Artículo | 2004 |
| Strategies to identify fuzzy rules directly from certainty | | | |

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|--|--|-------------------|------|
| Strategies to learning fuzzy rules directly from certainty degrees: a comparison and a proposal | IEEE transactions on fuzzy systems | Artículo | 2004 |
| Commutativity as prior knowledge in fuzzy modeling | Lecture notes in computer science | Artículo | 2003 |
| Contribución al estudio y clasificación de las funciones de implicación borrosas | Universidad politécnica de madrid. inteligencia artificial | Tesis doctoral | 2003 |
| Learning default fuzzy rules with general and punctual exceptions | Accuracy improvements in linguistic fuzzy modeling | Capítulo de libro | 2003 |
| Multicriteria genetic tuning for the optimization and control of hvac systems | Applied decision support with soft computing | Capítulo de libro | 2003 |
| Multiple-valued logic and artificial intelligence fundamentals of fuzzy control revisited | Artificial intelligence review | Artículo | 2003 |
| On t-norms based measures of specificity | Fuzzy sets and systems | Artículo | 2003 |
| On the law $(a \text{ center dot } b) \text{ center dot } c = b \text{ center dot } (a \text{ center dot } c)$; in de morgan algebras and orthomodular lattices | Soft computing | Artículo | 2003 |
| Razonamiento basado en casos aplicado a problemas de clasificación | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 2003 |
| The csic in democratic transition | Arbor (madrid) | Artículo | 2003 |
| Una metodología para el diseño automático de sistemas de control difuso basado en modelo | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 2003 |
| When (s, n) -implications are $(t, t-1)$ -conditional functions? | Fuzzy sets and systems | Artículo | 2003 |
| Combining both a fuzzy inductive learning and a fuzzy repertory grid method | Technologies for constructing intelligent systems 1 | Capítulo de libro | 2002 |
| Contradiction sensitive fuzzy model-based adaptive control | International journal of approximate reasoning | Artículo | 2002 |
| Interpretation of artificial neural networks by means of fuzzy rules | IEEE transactions on neural networks | Artículo | 2002 |
| On possibility and probability measures in finite boolean algebras | Soft computing | Artículo | 2002 |
| A fuzzy rule-based algorithm to train perceptrons | Fuzzy sets and systems | Artículo | 2001 |
| A new approach for the execution and adjustment of a fuzzy algorithm | Fuzzy sets and systems | Artículo | 2001 |
| A multicriteria genetic tuning for fuzzy logic controllers | Mathware & soft computing | Artículo | 2001 |
| Apuntes de metodología y tecnología de la programación. | Servicio de publicaciones del departamento de lenguajes y sistemas informáticos, universidad de cádi | Libros | 2001 |
| Diseño e implementación de una herramienta para la adquisición automática de conocimiento. | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 2001 |
| Use of machine learning technique in the knowledge acquisition process. | Fuzzy sets and systems | Artículo | 2001 |
| A machine learning technique for helping the knowledge acquisition process | Uncertainty in intelligent and information systems | Capítulo de libro | 2000 |
| Las redes neuronales artificiales multicapa son sistemas basados en reglas difusas encadenados | Estylf 2000 | Capítulo de libro | 2000 |
| Morse: a general model to represent structured knowledge | International journal of intelligent systems | Artículo | 2000 |
| Network of probabilities associated with a capacity of order-2 | Information sciences | Artículo | 2000 |
| Neural networks with a continuous squashing function in the output are universal approximators | Neural networks : the official journal of the international neural network society | Artículo | 2000 |
| Separate: a machine learning method based on semi-global partitions | IEEE transactions on neural networks | Artículo | 2000 |

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|--|--|----------------|------|
| Fuzzy grammar for handling fuzzy algorithms | International journal of uncertainty, fuzziness and knowledge-based systems | Articulo | 1999 |
| Learning maximal structure rules in fuzzy logic for knowledge acquisition in expert systems. | Fuzzy sets and systems | Articulo | 1999 |
| Los límites de la lógica difusa | Mathware & soft computing | Articulo | 1999 |
| Representacion de conocimiento estructurado y su aplicacion al diseño de sistemas automaticos | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 1999 |
| Sobre preórdenes y operaciones de consecuencias de tarski. | Theoria: revista de teoria, historia y fundamentos de la ciencia | Articulo | 1999 |
| A heuristic in rules based systems for searching of inconsistencias | Information sciences | Articulo | 1998 |
| A methodology for developing knowledge-based systems | Mathware & soft computing | Articulo | 1998 |
| Extraccion de reglas difusas con y de redes neuronales artificiales | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 1998 |
| La lógica de redes neurales. | Mathware & soft computing | Articulo | 1998 |
| Non-monotonic fuzzy reasoning | Fuzzy sets and systems | Articulo | 1998 |
| An inductive learning algorithm in fuzzy systems | Fuzzy sets and systems | Articulo | 1997 |
| Are artificial neural networks black boxes? | IEEE transactions on neural networks | Articulo | 1997 |
| A generic atms. | International journal of approximate reasoning | Articulo | 1996 |
| A multivalued logic atms | International journal of intelligent systems | Articulo | 1996 |
| Fuzzy systems with defuzzification are universal approximators | IEEE transactions on systems, man, and cybernetics part b: cybernetics | Articulo | 1996 |
| Similarity in fuzzy reasoning | Mathware & soft computing | Articulo | 1996 |
| Conjunctions and disjunctions on [0,1] | Fuzzy sets and systems | Articulo | 1995 |
| Diseño de un atms generico. aplicaciones al aprendizaje y a la validacion de bases de conocimiento | Universidad de granada. ciencias de la computación e inteligencia artificial | Tesis doctoral | 1995 |
| Fuzzy-logic controllers are universal approximators | IEEE transactions on systems, man and cybernetics | Articulo | 1995 |
| Constraints as incompatibility relations in knowledge based systems. | International journal of uncertainty, fuzziness and knowledge-based systems | Articulo | 1994 |
| Fundamentos e introducción a la ingeniería ¿fuzzy¿. | Omron electronics, s.a. | Libros | 1994 |
| Inducing implication relations | International journal of approximate reasoning | Articulo | 1994 |
| Knowledge-based systems and fuzzy boolean programming | International journal of intelligent systems | Articulo | 1994 |
| Knowledge-based systems and fuzzy boolean programming | International journal of intelligent systems | Articulo | 1994 |
| On consequence in approximate reasoning. | Journal of non-classical logic | Articulo | 1994 |
| Searching potencial conflicts in medical expert systems. | Fuzzy systems - reports and letters | Articulo | 1994 |
| A heuristic in rules-based systems | Information sciences | Articulo | 1993 |
| Metodologia de la programacion. problemas resueltos | Los autores | Libros | 1993 |
| Programacion para ingenieros. algoritmos y fortran | Los autores | Libros | 1993 |
| Propagation of convex sets of probabilities in directed acyclic networks | Elsevier scienc publisher bv | Articulo | 1993 |
| Propagation of convex sets of probabilities in directed | Uncertainty in intelligent systems | Capítulo | 1993 |

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| acyclic networks | Uncertainty in intelligent systems | de libro | 1993 |
| The management of the inconsistency in expert-systems | Fuzzy sets and systems | Articulo | 1993 |
| Partial inconsistency of probability envelopes | Fuzzy sets and systems | Articulo | 1992 |
| Tratamiento de la incertidumbre mediante medidas difusas | Algunos aspectos del tratamiento de la información en inteligencia artificial | Capítulo de libro | 1991 |

| | Título proyecto | Tipo | Inicio | Fin |
|----|--|-------------|---------------|------------|
| 1 | Nutcracker: sistema de detección, rastreo, monitorización y análisis del discurso terrorista en la red | Proyecto | 3/30/16 | 12/29/20 |
| 2 | Estudio de tecnologías inteligentes para la monitorización de entornos en la red | Proyecto | 3/1/14 | 12/31/17 |
| 3 | Desarrollo y explotación de tecnologías inteligentes de tracking a través de dispositivos móviles. aplicación: social tracking for traveling. | Contrato | 3/1/14 | 12/15/15 |
| 4 | Audiotour-granada: la guía móvil para recorrer granada | Contrato | 3/1/14 | 5/30/15 |
| 5 | Av-2.0: desarrollo de un sistema inteligente aplicado a la venta on-line | Contrato | 3/3/12 | 6/2/14 |
| 6 | Interfaq: un sistema de información basado en recuperación inteligente de preguntas y respuestas frecuentes. aplicación a un sistema de información interna para la fundación red andalucía emprende | Proyecto | 3/3/10 | 2/2/14 |
| 7 | Asesoramiento sobre desarrollo de sistemas inteligentes con lenguaje natural | Contrato | 3/1/13 | 12/31/13 |
| 8 | Asesoramiento sobre desarrollo de sistemas inteligentes con lenguaje natural | Contrato | 3/1/12 | 12/31/12 |
| 9 | Desarrollo de un modelo de asistente virtual con diálogo inteligente | Contrato | 3/1/10 | 5/9/11 |
| 10 | Mvspp - multilingual virtual simulated patient project | Proyecto | 3/1/09 | 12/31/10 |
| 11 | Asesoramiento sobre desarrollo de sistemas inteligentes con lenguaje natural | Contrato | 3/1/10 | 12/31/10 |
| 12 | Diseño de un sistema inteligente para ayuda a la gestión de la calidad en el diseño y desarrollo de nuevos productos | Proyecto | 3/1/07 | 9/30/10 |
| 13 | Sistemas inteligentes para el desarrollo de pacientes virtuales software. | Proyecto | 3/1/07 | 9/30/10 |
| 14 | Paciente virtual para formación y teleformación en medicina | Proyecto | 3/11/07 | 3/31/10 |
| 15 | Herramientas para comercio electrónico: desarrollo de una plataforma para permitir actividades de comercio electrónico. aplicaciones y agente para su uso. | Proyecto | 3/1/06 | 5/31/09 |
| 16 | Mantenimiento y adaptación del paciente simulado virtual a cursos reales de iavante | Contrato | 3/1/08 | 12/31/08 |
| 17 | Paciente simulado virtual | Contrato | 3/1/07 | 12/31/07 |
| 18 | Estudio para el desarrollo de pacientes virtuales software en un entorno de trabajo colaborativo (2ª fase) | Contrato | 3/1/07 | 12/31/07 |
| 19 | Sistemas inteligentes para ayuda al diagnóstico citológico y formación de citotécnicos | Proyecto | 3/13/04 | 12/13/07 |
| 20 | Maquinas de vectores soporte y soft computing | Proyecto | 3/1/06 | 9/30/07 |
| 21 | Estudio para el desarrollo de pacientes simulados virtuales en un entorno de trabajo colaborativo | Contrato | 3/1/06 | 12/31/06 |
| 22 | Estudio para el desarrollo de pacientes simulados virtuales en un entorno de trabajo colaborativo | Contrato | 3/1/06 | 12/31/06 |
| 23 | Programación neuronal de altas prestaciones. estudio de problemas de interés socioeconómico para Andalucía (3ª fase) | Proyecto | 3/1/04 | 12/31/04 |
| 24 | Evaluación del proyecto campus-uca003 | Contrato | 3/6/04 | 12/5/04 |
| 25 | Programación neuronal de altas prestaciones: estudio de proyectos de interés socio económico para Andalucía (fase 2) | Proyecto | 3/1/03 | 12/31/03 |
| 26 | Programación neuronal de altas prestaciones: estudio de proyectos de intereses socio-económicos para Andalucía | Proyecto | 3/1/02 | 12/31/02 |
| 27 | Aplicación de la lógica difusa para diseñar, validar e interpretar sistemas basados en redes neuronales artificiales. | Proyecto | 3/30/99 | 12/30/02 |
| 28 | Nuevos modelos de sistemas basados en reglas difusas | Proyecto | 3/10/98 | 9/30/99 |
| 29 | Algoritmos lingüísticos: una herramienta para soft-computing | Proyecto | 12/31/03 | |

| Título actividad | Entidad | Tipo | Fecha |
|---|---|----------------------------------|--------------|
| Participación en: european society for fuzzy logic and technology (eusflat) () | | Comité científico en sociedad ci | Jan 1, 1999 |
| Asociación española de tecnologías y lógica fuzzy () | | Comité científico en sociedad ci | Oct 1, 1991 |
| European society on fuzzy logic and technology | | Comité científico en sociedad ci | Oct 1, 1998 |
| Participación en comité de revista: soft computing | | Comités científicos de revista | Mar 1, 2007 |
| Participación en comité de revista: resi - revista eletrônica de sistemas de informação | | Comités científicos de revista | Sep 1, 2002 |
| Participación en comité de revista: studies in fuzziness and soft computing | | Comités científicos de revista | Jan 1, 1998 |
| Participación en comité de revista: international journal of uncertainty, fuzziness and knowledge-based systems | | Comités científicos de revista | Jun 1, 1996 |
| Participación en comité de revista: mathware & soft computing | | Comités científicos de revista | Jan 1, 1995 |
| Participación en comité de revista: international journal of intelligent systems | | Comités científicos de revista | Jan 1, 1998 |
| Participación en comité de revista: international journal of approximate reasoning | | Comités científicos de revista | May 1, 2005 |
| Participación en comité de revista: ieee transactions on fuzzy systems | | Comités científicos de revista | Mar 1, 2008 |
| Participación en comité de revista: fuzzy sets and systems | | Comités científicos de revista | Mar 1, 2007 |
| Board member of the european society for fuzzy logic and technology | European society for fuzzy logic and technology | Foros y comités internacionales | Sep 24, 1999 |
| Board member of the european society for fuzzy logic and technology | European society for fuzzy logic and technology | Foros y comités internacionales | Sep 6, 2001 |
| Board member of the european society for fuzzy logic and technology | European society for fuzzy logic and technology | Foros y comités internacionales | Sep 7, 2005 |
| Board member of the european society for fuzzy logic and technology | European society for fuzzy logic and technology | Foros y comités internacionales | Sep 13, 2007 |
| Board member of the european society for fuzzy logic and technology | European society for fuzzy logic and technology | Foros y comités internacionales | Jul 21, 2009 |
| Secretario de la asociación española de tecnologías y lógica fuzzy | Asociación española de tecnologías y lógica fuzzy | Foros y comités internacionales | Sep 9, 1993 |
| Tesorero de la asociación española de tecnologías y lógica fuzzy | Asociación española de tecnologías y lógica fuzzy | Foros y comités internacionales | Sep 7, 1995 |
| Vocal de la junta directiva de la asociación española de tecnologías y lógica fuzzy | Asociación española de tecnologías y lógica fuzzy | Foros y comités internacionales | Dec 12, 1996 |

Colaboradores 42

- JUAN LUIS CASTRO PEÑA (98)
- JOSE MANUEL ZURITA LOPEZ (70)
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- CANDIDA CASTRO RAMIREZ (3)
- DAVID CRUNDALL (3)
- Elsa Peña Suárez (3)
- OSCAR CORDÓN GARCÍA (3)
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- David Alejandro Pelta Mochcovsky (1)
- ENCARNACION HIDALGO TENORIO (1)
- FRANCISCO GABRIEL RAUL PEREZ RODRIGUEZ (1)
- JORGE SERGIO IGOR ZWIR NAWROCKI (1)
- JOSÉ LUIS GARRIDO BULLEJOS (1)
- JUAN JULIÁN MERELO GUERVÓS (1)
- MANUEL NOGUERA GARCÍA (1)