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Grupo de Investigación: CIRCUITOS Y SISTEMAS PROCESAMIENTO DE LA INFORMACION (Cod.: TIC117)

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Citas en Google Scholar: <https://scholar.google.es/citations?user=Y81N7jEAAAAAJ&hl=es>

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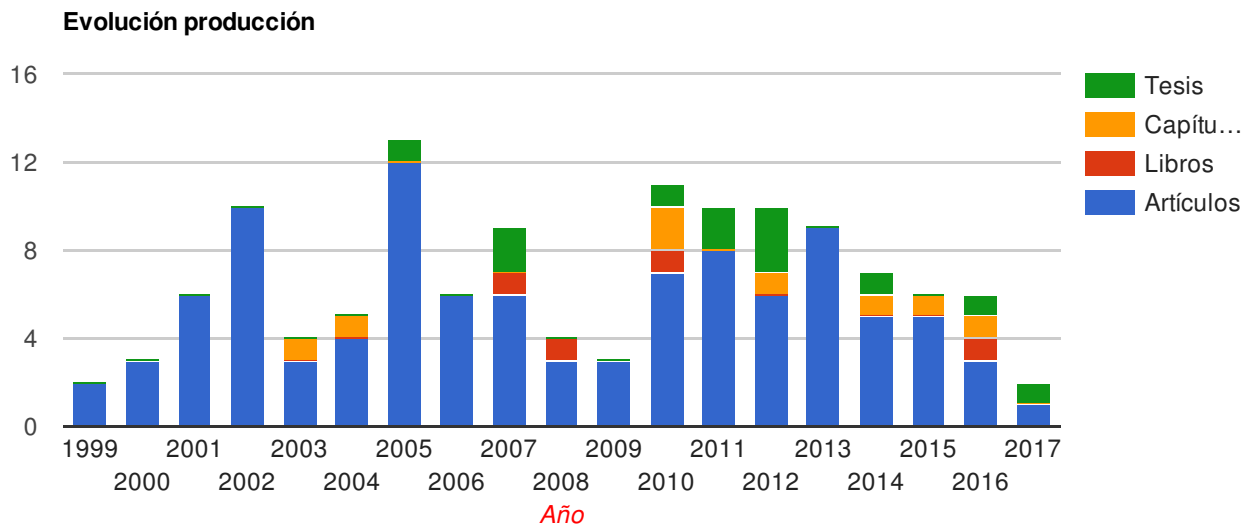
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Ficha del Directorio

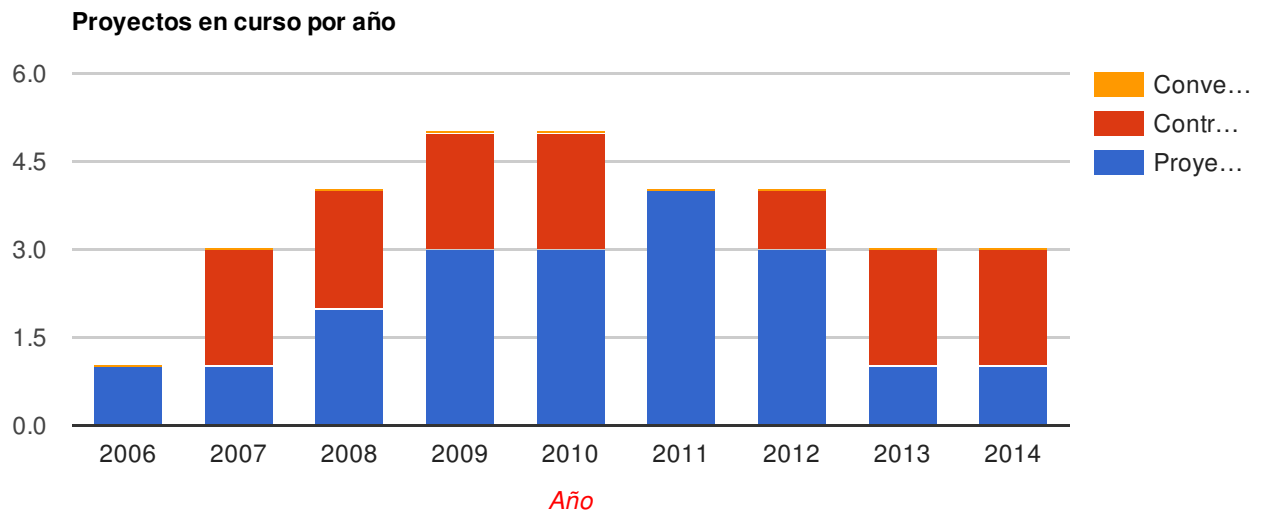
Producción 126

Artículos (102) Libros (4) Capítulos de Libros (8) Tesis dirigidas (12)



Proyectos dirigidos 14

Proyectos (8) Contratos (6) Convenios (0)



Actividades 2

Titulo publicación	Fuente	Tipo	Fecha
Extending the concepts of type-2 fuzzy logic and systems	Universidad de granada. arquitectura y tecnología de computadores	Tesis doctoral	2017
Mimu-wear: ontology-based sensor selection for real-world wearable activity recognition	Neurocomputing	Articulo	2017
Decision support system to determine intention to use mobile payment systems on social networks: a methodological analysis	International journal of intelligent systems	Articulo	2016
First approach to automatic measurement of frontal plane projection angle during single leg landing based on depth video	Ubiquitous computing and ambient intelligence	Capítulo de libro	2016
Join and meet operations for type-2 fuzzy sets with non-convex secondary memberships	Ieee transactions on fuzzy systems	Articulo	2016
Ontology engineering and reasoning to support real world human behavior recognition	Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación	Tesis doctoral	2016
Ontology-based high-level context inference for human behavior identification	Sensors	Articulo	2016
Time series analysis and forecasting	Springer	Libros	2016
A hierarchical classification for the selection of the most suitable multiple sequence alignment methodology	Current bioinformatics	Articulo	2015
Comparing different machine learning and mathematical regression models to evaluate multiple sequence alignments	Neurocomputing	Articulo	2015
Design, implementation and validation of a novel open framework for agile development of mobile health applications	Biomedical engineering online	Articulo	2015
Multi-sensor fusion based on asymmetric decision weighting for robust activity recognition	Neural processing letters	Articulo	2015
On the development of a real-time multi-sensor activity recognition system	Ambient assisted living: ict-based solutions in real life situations	Capítulo de libro	2015
Mdurance: a novel mobile health system to support trunk endurance assessment	Sensors	Articulo	2015
A new adaptive and self organizing fuzzy policy to enhance the real time control performance	International journal of computational intelligence systems	Articulo	2014
Dealing with the effects of sensor displacement in wearable activity recognition	Sensors	Articulo	2014
Fast feature selection in a gpu cluster using the delta test	Entropy	Articulo	2014
Physiodroid: combining wearable health sensors and mobile devices for a ubiquitous, continuous, and personal monitoring	The scientific world journal	Articulo	2014
Robust expert systems for more flexible real-world activity recognition	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2014
Window size impact in human activity recognition	Sensors	Articulo	2014
Mhealthdroid: a novel framework for agile development of mobile health applications	Ambient assisted living and daily activities	Capítulo de libro	2014
Ambient assisted living devices interoperability based on osgi and the x73 standard	Telemedicine journal and e-health	Articulo	2013
An effective, practical and low computational cost framework for the integration of heterogeneous data to predict functional associations between proteins by means of artificial neural networks	Neurocomputing	Articulo	2013

Human activity recognition based on a sensor weighting hierarchical classifier	Soft computing	Articulo	2013
Industrial automation programming environment with a new translation algorithm among iec 61131-3 languages based on the tc6-xml scheme	International journal of automation and control engineering	Articulo	2013
Multiobjective optimization and comparison of nonsingleton type-1 and singleton interval type-2 fuzzy logic systems	Ieee transactions on fuzzy systems	Articulo	2013
New online self-evolving neuro fuzzy controller based on the tase-nf model	Information sciences	Articulo	2013
Optimizing multiple sequence alignments using a genetic algorithm based on three objectives: structural information, non-gaps percentage and totally conserved columns	Bioinformatics (oxford. print)	Articulo	2013
Predicting the accuracy of multiple sequence alignment algorithms by using computational intelligent techniques	Nucleic acids research	Articulo	2013
The use of video-gaming devices as a motivation for learning embedded systems programming	Ieee transactions on education	Articulo	2013
A deterministic model selection scheme for incremental rbfn construction in time series forecasting	Neural computing & applications	Articulo	2012
An enhanced clustering function approximation technique for a radial basis function neural network	Mathematical and computer modelling	Articulo	2012
Análisis estadístico de distintas técnicas de inteligencia artificial en detección de intrusos	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2012
Daily living activity recognition based on statistical feature quality group selection	Expert systems with applications	Articulo	2012
Estudio estadístico de algoritmos de control inteligente en tiempo real. aplicación en una plataforma hardware de control de temperatura		Tesis doctoral	2012
Evolutionary approaches for variable selection using a non-parametric noise estimator	Parallel architectures and bioinspired algorithms parallel architectures and bioinspired algorithms	Capítulo de libro	2012
New methodologies for the design of evolving fuzzy systems for online intelligent control		Tesis doctoral	2012
On the use of sensor fusion to reduce the impact of rotational and additive noise in human activity recognition	Sensors	Articulo	2012
Selecting negative samples for ppi prediction using hierarchical clustering methodology	Journal of applied mathematics	Articulo	2012
Using machine learning techniques and genomic/proteomic information from known databases for defining relevant features for ppi classification	Computers in biology and medicine	Articulo	2012
A heuristic method for parameter selection in ls-svm: application to time series prediction	International journal of forecasting	Articulo	2011
A new methodology for the online adaptation of fuzzy self-structuring controllers	Ieee transactions on fuzzy systems	Articulo	2011
Dental ceramics: a ciede2000 acceptability thresholds for lightness, chroma and hue differences	Journal of dentistry	Articulo	2011
Determining marital dissolutions duration with fuzzy inference systems	Case studies in business, industry and government statistics	Articulo	2011
Generating balanced learning and test sets for function approximation problems	International journal of neural systems	Articulo	2011
Global and local modelling in rbf networks	Neurocomputing	Articulo	2011

Intelligent systems for function approximation and the integration of heterogeneous biological data	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2011
Method for prediction of protein-protein interactions in yeast using genomics/proteomics information and feature selection	Neurocomputing	Articulo	2011
Nuevos métodos de predicción de interacción de proteína-proteína utilizando sistemas inteligentes en bases de datos de proteómica	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2011
The tase-nf model for function approximation problems: approaching local and global modelling	Fuzzy sets and systems	Articulo	2011
Analysis of the inducing factors involved in cardiomyocytic differentiation of stem cells using feature selection techniques, support vector machines and decision trees	Medmol research reports	Articulo	2010
Applying multiobjective rbfnn's optimization and feature selection to a mineral reduction problem	Expert systems with applications	Articulo	2010
Chapter 5: method for prediction of protein-protein interactions in yeast using genomics/proteomics information and feature selection.	Proteomics: methods, applications and limitations	Capítulo de libro	2010
Design of specific-to-problem kernels and use of kernel weighted k-nearest neighbours for time series modelling	Neurocomputing	Articulo	2010
lii simposio de inteligencia computacional	Ibergarceta publicaciones, s.l.	Libros	2010
Local-global neuro-fuzzy system for color change modelling	International journal of hybrid intelligent systems	Articulo	2010
Modelos avanzados de inteligencia computacional para aproximación funcional y predicción de series temporales en arquitecturas paralelas.	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2010
New method for instance or prototype selection using mutual information in time series prediction	Neurocomputing	Articulo	2010
Online self-evolving fuzzy controller with global learning capabilities.	Evolving systems	Articulo	2010
Recursive prediction for long term time series forecasting	Forecasting models: methods & applications	Capítulo de libro	2010
Using near-infrared spectroscopy in the classification of white and iberian pork with neural networks	Neural computing & applications	Articulo	2010
Evidences of cognitive effects over auditory steady-state responses by means of artificial neural networks and its use in brain-computer interfaces	Neurocomputing	Articulo	2009
Intelligent system based on genetic programming for atrial fibrillation classification	Applied artificial intelligence	Articulo	2009
Prediction of time series using rbf neural networks: a new approach of clustering	The international arab journal of information technology	Articulo	2009
Hybridization of intelligent techniques and arima models for time series prediction: theme: fuzzy models and approximation methods	Fuzzy sets and systems	Articulo	2008
Soft-computing techniques and arma model for time series prediction	Neurocomputing	Articulo	2008
Studying possibility in a clustering algorithm for rbfnn design for function approximation	Neural computing & applications	Articulo	2008
Tecnología de computadores. material didáctico	Copicentro granada, s.l.	Libros	2008
Diseño de sistemas inteligentes en plataformas de cómputo paralelas	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2007
li simposio de inteligencia computacional	Thomson	Libros	2007

Improving the accuracy while preserving the interpretability of fuzzy function approximators by means of multi-objective evolutionary algorithms	International journal of approximate reasoning	Articulo	2007
Multigrid-based fuzzy systems for time series prediction: cats competition	Neurocomputing	Articulo	2007
Output value-based initialization for radial basis function neural networks	Neural processing letters	Articulo	2007
Parallel multi-objective memetic rbfnn design and feature selection for function	Lecture notes in computer science	Articulo	2007
Recursive prediction for long term time series forecasting using advanced models	Neurocomputing	Articulo	2007
Sistemas inteligentes adaptativos para aproximación y predicción utilizando arquitecturas avanzadas	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2007
Using fuzzy logic to improve a clustering technique for function approximation	Neurocomputing	Articulo	2007
A fuzzy-possibilistic fuzzy ruled clustering algorithm for rbfnn design	Lecture notes in computer science	Articulo	2006
Adaptive fuzzy controller: application to the control of the temperature of a dynamic room in real time	Fuzzy sets and systems	Articulo	2006
Efective input variable selection for function approximation	Lecture notes in computer science	Articulo	2006
Improving the performance of multi-objective genetic algorithm for function approximation through parallel islands specialisation	Lecture notes in computer science	Articulo	2006
Multi-objective evolution of fuzzy systems	Soft computing	Articulo	2006
Multiobjective rbfnn designer for function approximation: an application for mineral reduction	Lecture notes in computer science	Articulo	2006
A basic approach to reduce the complexity of a self-generated fuzzy rule-table for function approximation by use of symbolic interpolation	Lecture notes in computer science	Articulo	2005
A basic approach to reduce the complexity of a self-generated fuzzy rule-table for function approximation by use of symbolic regression in 1d and 2d cases	Lecture notes in computer science	Articulo	2005
A possibilistic approach to rbf centers initialization	Lecture notes in computer science	Articulo	2005
Analysis of the tase-ii tsk-type fuzzy system for function approximation	Lecture notes in computer science	Articulo	2005
Approximating i/o data using radial basis functions: a new clustering-based approach	Lecture notes in computer science	Articulo	2005
Clustering-based tsk neuro-fuzzy model for function approximation with interpretable sub-models	Lecture notes in computer science	Articulo	2005
Improving clustering technique for functional approximation problem using fuzzy logic: icfa algorithm	Lecture notes in computer science	Articulo	2005
Input variable selection in hierarchical rbf networks	Lecture notes in computer science	Articulo	2005
Interpretable rule extraction and function approximation from numerical input/output data using the modified fuzzy tsk model: tase model	Lecture notes in computer science	Articulo	2005
Modelado de sistemas complejos mediante estructuras jerárquicas de funciones de redes de funciones de base radial	Universidad de granada. arquitectura y tecnologia de computadores	Tesis doctoral	2005
New technique for initialization of centres in tsk clustering-based fuzzy systems	Lecture notes in computer science	Articulo	2005

Publications	Journal	Type	Year
Rbf centers initialization using fuzzy clustering technique for function approximation problems	Fuzzy economic review	Articulo	2005
Tase model for long term time series forecasting	Lecture notes in computer science	Articulo	2005
Evolución multiobjetivo de los parámetros de una red de funciones base radiales para problemas de aproximación funcional	Optimización inteligente : técnicas de inteligencia computacional para optimización	Capítulo de libro	2004
Function approximation through fuzzy systems using taylor series expansion-based rules: interpretability and parameter tuning	Lecture notes in computer science	Articulo	2004
Multigrid-based fuzzy systems for function approximation	Lecture notes in computer science	Articulo	2004
On-line global learning in direct fuzzy controllers	Ieee transactions on fuzzy systems	Articulo	2004
The synergy between classical and soft-computing techniques for time series prediction	Lecture notes in computer science	Articulo	2004
Automatic construction of fuzzy rule-based systems: a trade-off between complexity and accuracy maintaining interpretability	Accuracy improvements in linguistic fuzzy modeling	Capítulo de libro	2003
Designing a phenotypic distance index for radial basis function neural networks	Lecture notes in computer science	Articulo	2003
Multiobjective evolutionary optimization of the size, shape, and position parameters of radial basis function networks for function approximation	Ieee transactions on neural networks	Articulo	2003
Studying the convergence of the cfa algorithm	Lecture notes in computer science	Articulo	2003
A new clustering technique for function approximation	Ieee transactions on neural networks	Articulo	2002
A two-stage approach to self-learning direct fuzzy controllers	International journal of approximate reasoning	Articulo	2002
Evolutionary training of neuro-fuzzy patches for function approximation	Lecture notes in computer science	Articulo	2002
Evolutionary identification of fuzzy systems for time-series prediction	Lecture notes in computer science	Articulo	2002
Neural networks, clustering techniques, and function approximation problems	Lecture notes in computer science	Articulo	2002
New methodology for structure identification of fuzzy controllers in real time	Lecture notes in computer science	Articulo	2002
Statistical analysis of the main parameters involved in the design of a genetic algorithm	Ieee transactions on systems, man, and cybernetics. part c: applications and reviews	Articulo	2002
Structure identification in complete rule-based fuzzy systems	Ieee transactions on fuzzy systems	Articulo	2002
Time series analysis using normalized pg-rbf network with regression weights	Neurocomputing	Articulo	2002
Web newspaper layout optimization using simulated annealing	Ieee transactions on systems, man, and cybernetics part b: cybernetics	Articulo	2002
A novel approach to self-adaptation of neuro-fuzzy controllers in real time	Lecture notes in computer science	Articulo	2001
Expert mutation operators for the evolution of radial basis function neural networks	Lecture notes in computer science	Articulo	2001
Multidimensional and multideme genetic algorithms for the	International journal of		2001

construction of fuzzy systems	approximate reasoning	Articulo	2001
Optimization of web newspaper layout in real time	Computer networks	Articulo	2001
Parallel dynamic water supply scheduling in a cluster of computers	Concurrency and computation : practice & experience	Articulo	2001
Rbf neural networks, multiobjective optimization and time series forecasting	Lecture notes in computer science	Articulo	2001
A systematic approach to a self-generating fuzzy rule-table for function approximation	IEEE transactions on systems, man, and cybernetics part b: cybernetics	Articulo	2000
Analysis of the functional block involved in the design of radial basis function networks	Neural processing letters	Articulo	2000
Self-organized fuzzy system generation from training examples	IEEE transactions on fuzzy systems	Articulo	2000
New methodology for the development of adaptive and self-learning fuzzy controllers in real time	International journal of approximate reasoning	Articulo	1999
Sequential learning algorithm for pg-rbf network using regression weights for time series prediction	Lecture notes in computer science	Articulo	1999

	Título proyecto	Tipo	Inicio	Fin
1	Incorporación de nuevas tecnologías de procesamiento de datos en la ayuda a la toma de decisiones para la gestión automática de la sectorización de la red de abastecimiento de agua de la ciudad de Córdoba	Contrato	1/1/12	12/31/14
2	Diseño y desarrollo de herramientas de configuración e integración para rtu	Contrato	10/1/13	10/30/14
3	Nuevas arquitecturas de sistemas inteligentes para modelado de sistemas complejos a partir de muestras de e/s: aplicación en redes de abastecimiento de agua y en entornos de e-salud y tele-asistencia.	Proyecto	3/1/13	2/28/14
4	Creación de la red española de series temporales	Proyecto	1/1/11	12/31/12
5	Tasa, técnicas avanzadas para sistemas activos.	Proyecto	1/1/10	12/31/12
6	Diseño de sistemas inteligentes para el modelado y predicción de series temporales: aplicación en problemas de demanda energética y consumo de agua	Proyecto	2/1/08	1/31/12
7	Sensores distribuidos y autónomos basados en redes de sensores inteligentes (acciones integradas con alemania)	Proyecto	2/11/09	6/30/11
8	Sistema experto para el tratamiento de la información de redes de telesupervisión	Contrato	9/18/09	9/17/10
9	Aplicación de algoritmos de control inteligente a la optimización de recursos de la red de distribución de aguas de la ciudad de granada	Contrato	9/18/09	9/17/10
10	Sistemas empotrados para infraestructuras críticas.	Proyecto	1/1/08	12/31/09
11	Implementación de un sistema inteligente para la optimización de los, recursos del sistema de telecontrol del ciclo integral del agua de granada	Contrato	7/1/07	6/30/08
12	Desarrollo de un sistema de predicción de consumos y optimización de recursos para el telecontrol del ciclo integral del agua del área de granada utilizando técnicas de "sof-computing";	Contrato	7/1/07	6/30/08
13	Ptc, plataforma tecnológica común para utr ii	Proyecto	1/1/07	12/31/07
14	Plataforma tecnológica común para unidades terminales remotas	Proyecto	1/1/06	12/31/06

Actividades 2

Título actividad	Fuente	Tipo	Fecha
Participación en: sociedad de arquitectura y tecnología de computadores ()		Comité científico en sociedad ci	Sep 2, 2009
Miembro comité editorial de la revista "journal of applied mathematics" (impact factor 0.72, q3)		Comités científicos de revista	Jan 1, 2010

Colaboradores

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- **OLGA VALENZUELA CANSINO** (28)
- **Jesús González** (24)
- **ALBERTO PRIETO ESPINOSA** (21)
- **FERNANDO ROJAS RUIZ** (14)
- **JULIO ORTEGA LOPERA** (11)
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- **FRANCISCO JOSE PELAYO VALLE** (4)
- **JOSE LUIS BERNIER VILLAMOR** (4)
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- **FRANCISCO JAVIER FERNANDEZ BALDOMERO** (3)

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- PEDRO ANGEL CASTILLO VALDIVIESO (1)
- RAZVAN IONUT GHINEA (1)