Ciencias de la Computación e Inteligencia Artificial

Áreas de conocimiento: Ciencias de la Computación e Inteligencia Artificial
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Profesorado: CU: 26, PTU: 35, PTEU: 0, PDI Contratado y Otros: 14 (y 27 contratos/becas).

Tesis leídas
- Uso de técnicas de aprendizaje para clasificación ordinal y regresión
Doctorando: Juan Carlos Gámez Granados
Director: Dr. Antonio González Muñoz y Dr. F.G. Raúl Pérez Rodríguez
Fecha de lectura: 16/11/17
- New developments in evolutionary image registration for complex 3D scenarios
Doctorando: Enrique Bermejo Nievas
Director: Óscar Cordón García, Manuel Chica Serrano
Fecha de lectura: 19/1/18
- Algoritmos de Reducción de Datos Distribuidos para Bases de Datos Grandes
Doctorando: Sergio Ramírez Gallego
Director: Francisco Herrera Triguero y Salvador García López
Fecha de lectura: 23/2/18
- Análisis multidimensional de datos textuales en redes sociales
Doctorando: Karel Gutiérrez Batista
Director: Dª María Amparo Vila Miranda y Dª María José Martín Bautista
Fecha de lectura: 16/3/18
- Modelo Computacional para la Evaluación y Selección de Productos de Software
Doctorando: Yamilis Fernández Pérez
Director: Dr. Carlos Cruz Corona, Dr. José Luis Verdegay Galdeano
Fecha de lectura: 23/3/18

Grupos de Investigación.
TIC174 BASES DE DATOS Y SISTEMAS DE INFORMACION INTELIGENTES
- Responsable: MARÍA AMPARO VILA MIRANDA
HUM062 DiGEC: DISCRIMINACIÓN, GENOCIDIO Y EXTERMINIO CULTURAL. LITERATURA FEMENINA DEL HOLOCAUSTO
- Responsable: Francisco Javier Abad Ortega
TIC175 GRUPO DE SISTEMAS INTELIGENTES
- Responsable: ANTONIO GONZALEZ MUÑOZ
TIC210 INTELIGENCIA COMPUTACIONAL
- Responsable: JUAN LUIS CASTRO PEÑA
TIC169 MODELOS DE DECISIÓN Y OPTIMIZACIÓN
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TIC111 RAZONAMIENTO APROXIMADO E INTELIGENCIA ARTIFICIAL
- Responsable: MIGUEL DELGADO CALVO-FLORES
TIC186 SOFT COMPUTING Y SISTEMAS DE INFORMACIÓN INTELIGENTES
- Responsable: FRANCISCO HERRERA TRIGUERO
TIC103 TRATAMIENTO DE INCERTIDUMBRE EN SISTEMAS INTELIGENTES
- Responsable: LUIS MIGUEL DE CAMPOS IBAÑEZ
TIC187 VISION POR COMPUTADOR
- Responsable: JOAQUIN FERNANDEZ VALDIVIA

Dirección y participación en Proyectos I+D
- 2017 NUTCRACKER: Sistema de detección, rastreo, monitorización y análisis del discurso terrorista en la Red,
, 01/01/2017-31/01/2020
Investigador/a JOSE MANUEL ZURITA LOPEZ
- 2017 Ciencia de Datos e Inteligencia Artificial, Competitivo, 01/01/2017-31/12/2020
Responsable FRANCISCO HERRERA TRIGUERO
- 2017 RETOGAR. Retorno al Hogar: Sistema de Mejora de la Autonomía de Personas con Daño Cerebral
Adquirido y Dependientes en su Integración en la Sociedad, , 01/01/2017-31/12/2019
Investigador/a EUGENIO AGUIRRE MOLINA
- 2017 RETOGAR. Retorno al Hogar: Sistema de Mejora de la Autonomía de Personas con Daño Cerebral
Adquirido y Dependientes en su Integración en la Sociedad, , 01/01/2017-31/12/2019

Investigador/a MIGUEL GARCÍA SILVENTE

Contratos de investigación
- 2017 Contract of service to FIBAO consisting of Prostate Cancer Data Analysis to determine the genotype-phenotype architecture of this disease using the PGMRA platform, , 01/01/2017-31/08/2017
Responsable JORGE SERGIO IGOR ZWIR NAWROCKI

Publicaciones en revistas
- 2018 Articulo: Peterson-Gorenstein-Zierler algorithm for skew RS codes, Linear and Multilinear Algebra, 66, 3, 469-487
GABRIEL NAVARRO GARULO
- 2018 Articulo: RANK REVERSAL AND THE VIKOR METHOD: AN EMPIRICAL EVALUATION, International Journal of Information Technology and Decision Making, 17, 2, -
DAVID ALEJANDRO PELTA MOCHCOVSKY
MARIA TERESA LAMATA JIMENEZ
- 2018 Articulo: Leveraging localized social media insights for early warning systems, International Journal of Information Technology and Decision Making, 17, 1, 357-385
ENRIQUE HERRERA VIEDMA
- 2018 Articulo: PRoA: an Intelligent Multi-Criteria Personalized Route Assistant, Engineering Applications Of Artificial Intelligence, 72, , 162-169
DAVID ALEJANDRO PELTA MOCHCOVSKY
JOSE LUIS VERDEGAY GALDEANO
MARINA TORRES ANAYA
- 2018 Articulo: Relational Representation of Uncertain and Imprecise Time Assessments: An Application to Artworks Dating, International Journal of Intelligent Systems, 33, , 1109-1130
JUAN MIGUEL MEDINA RODRIGUEZ
MARÍA AMPARO VILA MIRANDA
OLGA PONS CAPOTE
- 2018 Articulo: AdaptativeCC4.5: Credal C4.5 with a rough class noise estimator, Expert systems with applications, 92, Supplement C, 363-379
CARLOS JAVIER MANTAS RUIZ
FRANCISCO JAVIER GARCÍA CASTELLANO
JOAQUÍN ABELLÁN MULERO
- 2018 Articulo: Hartmann-Tzeng bound and skew cyclic codes of designed Hamming distance, Finite Fields and Their Applications, 50, , 84-112
GABRIEL NAVARRO GARULO
- 2018 Articulo: A practical tutorial on autoencoders for nonlinear feature fusion: Taxonomy, models, software and guidelines, Information Fusion, 44, , 78-96
FRANCISCO DAVID CHARTE LUQUE
FRANCISCO HERRERA TRIGUERO
SALVADOR GARCÍA LÓPEZ
- 2018 Articulo: Mining association rules on BigData through MapReduce genetic programming, Integrated Computer-Aided Engineering, 25, 1, 31-48
FRANCISCO HERRERA TRIGUERO
- 2018 Articulo: On the selection of the correct number of terms for profile construction: Theoretical and empirical analysis, Information Sciences, 430-431, , 142-162
JUAN FRANCISCO HUETE GUADIX
JUAN MANUEL FERNÁNDEZ LUNA
LUIS MIGUEL DE CAMPOS IBAÑEZ
- 2018 Articulo: Positive unlabeled learning for building recommender systems in a parliamentary setting, Information Sciences, 433-434, , 221-232
JUAN FRANCISCO HUETE GUADIX
JUAN MANUEL FERNÁNDEZ LUNA
LUIS MIGUEL DE CAMPOS IBAÑEZ
LUIS REDONDO EXPÓSITO
- 2018 Articulo: The democratization of Deep Learning in TASS 2017, Procesamiento del Lenguaje Natural, 60, , 37-44
EUGENIO MARTÍNEZ CÁMARA
- 2018 Articulo: Type-1 OWA Unbalanced Fuzzy Linguistic Aggregation Methodology: Application to Eurobonds Credit Risk Evaluation, International Journal of Intelligent Systems, 33, 5, 1071-1088
ENRIQUE HERRERA VIEDMA
- 2018 Articulo: A unifying analysis for the supervised descriptive rule discovery via the weighted relative accuracy, Knowledge-Based Systems, 139, , 89-100

FRANCISCO HERRERA TRIGUERO
- 2018 Articulo: Evolutionary data mining and applications: A revision on the most cited papers from the last 10 years (2007-2017), Wiley Interdisciplinary Reviews. Data Mining and Knowledge Discovery, 8, 2, 1-17
JESÚS ALCALÁ FERNÁNDEZ
RAFAEL ALCALÁ FERNÁNDEZ
- 2018 Articulo: MULTIVARIATE ANALYSIS AND EXTRACTION OF PARAMETERS IN RESISTIVE RAMS USING THE QUANTUM POINT CONTACT MODEL, Journal of Applied Physics, 123, 014501, -
ROCIO CELESTE ROMERO ZALIZ
- 2018 Editorial: Hesitant fuzzy information for information fusion in decision making, Information Fusion, 42, , 62-63
ROSA Mª RODRÍGUEZ DOMÍNGUEZ
- 2018 Articulo: A fuzzy approach for natural noise management in group recommender systems, Expert systems with applications, 94, , 237-249
JORGE CASTRO GALLARDO
- 2018 Articulo: Exploring Consistency for Hesitant Preference Relations in Decision Making: Discussing Concepts, Meaning and Taxonomy, Journal of Multiple-Valued Logic and Soft Computing, 30, 2-3, 129-154
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ROSA Mª RODRÍGUEZ DOMÍNGUEZ
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ROSA Mª RODRÍGUEZ DOMÍNGUEZ
- 2018 Articulo: A dynamic multi-attribute group emergency decision making method considering experts¿ hesitation, International Journal of Computational Intelligence Systems, 11, , 163-182
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CARMEN CAMPOMANES ALVAREZ
OSCAR CORDÓN GARCÍA
ÓSCAR IBÁÑEZ PANIZO
- 2018 Articulo: Image super-resolution for outdoor digital forensics. Usability and legal aspects, Computers in Industry, 98, , 34-47
JAVIER MATEOS
RAFAEL MOLINA SORIANO
- 2018 Articulo: Using Deep Neural Networks for Inverse Problems in Imaging, IEEE Signal Processing Magazine, 35, 1, 20-36
RAFAEL MOLINA SORIANO
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NICOLÁS PÉREZ DE LA BLANCA CAPILLA
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SANTIAGO LÓPEZ TAPIA
- 2018 Articulo: Tips, guidelines and tools for managing multi-label datasets: The mldr.datasets R package and the Cometa data repository, Neurocomputing, 289, , 68-85
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FRANCISCO HERRERA TRIGUERO
JESÚS ALCALÁ FERNÁNDEZ

- 2018 Articulo: Measuring and Exploiting the Impact of Exhibition Scheduling on Museum Attendance, Manufacturing and Service Operations Management, , , -
ANA VALDIVIA GARCÍA

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JESÚS ROQUE CAMPAÑA GÓMEZ
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MARÍA JOSÉ MARTÍN BAUTISTA

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MARÍA JOSÉ MARTÍN BAUTISTA

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LUIS GONZAGA BACA RUIZ
MANUEL PEGALAJAR CUÉLLAR
MARIA DEL CARMEN PEGALAJAR JIMENEZ

- 2018 Articulo: Methodology for integrated fuel lattice and fuel load optimization using population-based metaheuristics and decision trees, Progress in Nuclear Energy, 104, , 264-270
DAVID ALEJANDRO PELTA MOCHCOVSKY

- 2018 Articulo: A tuning approach for iterative multiple 3d stencil pipeline on GPUs: Anisotropic Nonlinear Diffusion algorithm as case study, Journal of Supercomputing, 74, 4, 1580-1608
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IGNACIO JOSÉ BLANCO MEDINA

- 2017 Articulo: Parallelizing drainage network algorithm using free software: Octave as a solution, Mathematics and Computers in Simulation, 137, , 424-430
ROCIO CELESTE ROMERO ZALIZ

- 2017 Articulo: NMC: Nearest Matrix Classification - A new combination model for pruning One-vs-One ensembles by transforming the aggregation problem, Information Fusion, 36, , 26-51
ALBERTO FERNÁNDEZ HILARIO
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RAFAEL MOLINA SORIANO

- 2017 Articulo: GRASP with exterior path-relinking and restricted local search for the multidimensional two-way number partitioning problem, Computers & Operations Research, 78, , 243-254
MANUEL LOZANO MARQUEZ

- 2017 Articulo: Optimizing network attacks by artificial bee colony, Information Sciences, 377, , 30-50
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- 2017 Articulo: Since CEC 2005 competition on real-parameter optimisation: a decade of research, progress and comparative analysis's weakness, Soft Computing, 21, 19, 5573-5583
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GABRIEL NAVARRO GARULO

- 2017 Articulo: Evaluating interval-valued influence diagrams, International Journal of Approximate Reasoning, 80, , 393-411
ANDRÉS CANO UTRERA
MANUEL GÓMEZ OLMEDO
RAFAEL CABAÑAS DE PAZ

- 2017 Articulo: A comparative study on base classifiers in ensemble methods for credit scoring, Expert systems with applications, 73, , 1-10
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JOAQUÍN ABELLÁN MULERO

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 DANIEL SANCHEZ FERNANDEZ
 JESÚS CHAMORRO MARTÍNEZ
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 FERNANDO BERZAL GALIANO
 JUAN CARLOS CUBERO TALAVERA
 VÍCTOR MARTÍNEZ GÓMEZ
- 2017 Book-Review: Recommender Systems, COMPUTING REVIEWS, February 2017, , -
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 CARLOS ALBERTO CRUZ CORONA
 JOSE LUIS VERDEGAY GALDEANO
- 2017 Articulo: kNN-IS: An Iterative Spark-based design of the k-Nearest Neighbors classifier for big data, Knowledge-Based Systems, 117, , 3-15
 FRANCISCO HERRERA TRIGUERO
 JESÚS MAILLO HIDALGO
 SERGIO RAMÍREZ GALLEGO
- 2017 Articulo: Data Science for Building Energy Management: a review, Renewable & Sustainable Energy Reviews, 70, , 598-609
 JUAN GÓMEZ ROMERO
 MARÍA JOSÉ MARTÍN BAUTISTA
 MARÍA ROS IZQUIERDO
- 2017 Editorial: Managing consensus based on leadership in opinion dynamics, Information Sciences, 397-398, , 187-205
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- 2017 Articulo: BSocial: Deciphering Social Behaviours within Mixed Microbial Populations, Frontiers in Microbiology, 8, 919, 1-11
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- 2017 Articulo: A hesitant group emergency decision making method based on prospect theory, Complex & Intelligent Systems, 3, 3, 177-187
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- 2017 Articulo: Applied data mining inTTRP with fuzzy demands and capacities, Investigación operacional, 38, 2, 195-205
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DAVID ALEJANDRO PELTA MOCHCOVSKY
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MARIA CORAL DEL VAL MUÑOZ
- 2017 Articulo: Bayesian K-SVD Using Fast Variational Inference, IEEE Transactions on Image Processing, 26, 7, 3344-3359
JUAN GABRIEL SERRA PÉREZ
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- 2017 Articulo: An algorithm portfolio for the dynamic maximal covering location problem, Memetic Computing, 9, 2, 141-151
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- 2017 Articulo: Fast-mRMR: Fast minimum Redundancy Maximum Relevance algorithm for high dimensional big data, International Journal of Intelligent Systems, 32, 2, 134-152
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JOAQUÍN ABELLÁN MULERO
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SERGIO GONZÁLEZ VÁZQUEZ
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- 2017 Articulo: A snapshot of image pre-processing for convolutional neural networks: case study of MNIST, International Journal of Computational Intelligence in Bioinformatics and Systems Biology, 10, , 555-568
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