

Arquitectura y Tecnología de Computadores

Áreas de conocimiento: Arquitectura y Tecnología de Computadores, Ingeniería de Sistemas y Automática

Director: Miguel Damas Hermoso

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Profesorado: CU: 9 (1 Emérito), PTU: 21, PTEU: 0, PDI Contratado y Otros: 23.

Tesis leídas

- Extending the Concepts of Type-2 Fuzzy Logic and Systems

Doctorando: Gonzalo Ruiz García

Dirección: Ignacio Rojas Ruiz, Héctor Emilio Pomares Cintas

Fecha lectura: 2017-09-14

Mención especial: internacional

Grupos de Investigación.

TIC117 CIRCUITOS Y SISTEMAS PROCESAMIENTO DE LA INFORMACION

- Responsable: JULIO ORTEGA LOPERA

TIC024 SOFTWARE LIBRE PARA OPTIMIZACIÓN, BÚSQUEDA Y APRENDIZAJE

- Responsable: PEDRO ANGEL CASTILLO VALDIVIESO

Dirección y participación en Proyectos I+D

- 2017 Evaluación electrofisiológica del efecto del color (sala de cromoterapia) en los niveles de stress, , 15/05/2017-14/05/2018

Investigador/a FRANCISCO JOSE PELAYO VALLE

Publicaciones en revistas

- 2018 Artículo: All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data, The Astrophysical Journal. Letters, 853, L7, 1-5

ANTONIO FRANCISCO DIAZ GARCIA

- 2018 Artículo: Consistency of hesitant fuzzy linguistic preference relations: An interval consistency index, Information Sciences, 432, , 347-361

CONGCONG LI

- 2018 Artículo: Biophysical network modeling of the dLGN circuit: Effects of cortical feedback on spatial response properties of relay cells, PLoS Computational Biology, 14, 1, e1005930-e1005930

CHRISTIAN AGUSTÍN MORILLAS GUTIÉRREZ

FRANCISCO JOSE PELAYO VALLE

PABLO MARTÍNEZ CAÑADA

- 2018 Artículo: Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope, Journal of Instrumentation, 13, P05035, 1-16

ANTONIO FRANCISCO DIAZ GARCIA

- 2017 Artículo: High-throughput multi-multicast transfers in data center networks, Journal of Supercomputing, 73, 1, 152-163

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JULIO ORTEGA LOPERA

MANCIA ANGUITA LOPEZ

RAÚL HERNÁNDEZ PALACIOS

- 2017 Artículo: Evaluation of redundant data storage in clusters based on multi-multicast and local storage, Journal of Supercomputing, 73, 1, 576-590

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RAÚL HERNÁNDEZ PALACIOS

- 2017 Artículo: Analysing the influence of the fitness function on genetically programmed bots for a real-time strategy game, Entertainment Computing, 18, January 2017, 15-29

ANTONIO JAVIER FERNÁNDEZ ARES

JUAN JULIÁN MERELO GUERVÓS

PABLO GARCÍA SÁNCHEZ

PEDRO ANGEL CASTILLO VALDIVIESO

- 2017 Artículo: Applying computational intelligence methods for predicting the sales of newly published books in a real editorial business management environment, Knowledge-Based Systems, 115, , 133-151

ANTONIO JAVIER FERNÁNDEZ ARES

JUAN JULIÁN MERELO GUERVÓS

- MARIA ISABEL GARCÍA ARENAS
PABLO GARCÍA SÁNCHEZ
PALOMA DE LAS CUEVAS DELGADO
PEDRO ANGEL CASTILLO VALDIVIESO
- 2017 Artículo: Group-wise Principal Component Analysis for Exploratory Data Analysis, Journal of Computational and Graphical Statistics, , , -
RAFAEL RODRIGUEZ GOMEZ
- 2017 Artículo: Load Balancing at the Edge of Chaos: How Self-Organized Criticality Can Lead to Energy-Efficient Computing, IEEE Transactions on Parallel and Distributed Systems, 28, 2, 517- 529
JUAN LUIS JIMÉNEZ LAREDO
- 2017 Artículo: Connecting Artificial Brains to Robots in a Comprehensive Simulation Framework: The Neurorobotics Platform, Frontiers in Neurorobotics, 11, 2, -
EDUARDO ROS VIDAL
PABLO MARTÍNEZ CAÑADA
- 2017 Artículo: Trends in EEG-BCI for daily-life: Requirements for artifact removal, Biomedical Signal Processing and Control, 31, , 407-418
FRANCISCO JOSE PELAYO VALLE
JESÚS MINGUILLÓN CAMPOS
- 2017 Artículo: Human Neuro-Activity for Securing Body Area Networks: Application of Brain-Computer Interfaces to People-Centric Internet of Things, IEEE Communications Magazine, 55, 2, 62-67
JESÚS MINGUILLÓN CAMPOS
- 2017 Artículo: mDARAL: A Multi-Radio Version for the DARAL Routing Algorithm, Sensors, 17, 2, 324-340
JESÚS GONZÁLEZ
- 2017 Artículo: Prediction of manipulation actions, International Journal of Computer Vision, , , -
FRANCISCO BARRANCO EXPÓSITO
- 2017 Artículo: Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector, Journal of High Energy Physics, 1705, 008, 1-29
ANTONIO FRANCISCO DIAZ GARCIA
- 2017 Artículo: Event- and Time-Driven Techniques Using Parallel CPU-GPU Co-processing for Spiking Neural Networks, Frontiers In Neuroinformatics, 11, 7, -
EDUARDO ROS VIDAL
FRANCISCO NAVEROS ARRABAL
RICHARD R CARRILLO SANCHEZ
- 2017 Artículo: MIMU-Wear: Ontology-based sensor selection for real-world wearable activity recognition, Neurocomputing, 250, , 76-100
HÉCTOR POMARES
IGNACIO ROJAS
ORESTI BAÑOS
- 2017 Artículo: Genetic algorithm for optimization of models of the early stages in the visual system, Neurocomputing, 250, , 101-108
CHRISTIAN AGUSTÍN MORILLAS GUTIÉRREZ
FRANCISCO JOSE PELAYO VALLE
PABLO MARTÍNEZ CAÑADA
SAMUEL FRANCISCO ROMERO GARCÍA
- 2017 Artículo: Initiatives and Strategies to Encourage Women into Engineering, IEEE Revista Iberoamericana de Tecnologías del Aprendizaje, 12, 2, 1-9
EVA MARTÍNEZ ORTIGOSA
MARIA ISABEL GARCÍA ARENAS
- 2017 Artículo: A supervised filter method for multi-objective feature selection in EEG classification based on multi-resolution analysis for BCI, Neurocomputing, , 250, 45-56
JULIO ORTEGA LOPERA
PEDRO MARTIN SMITH
- 2017 Artículo: Statistical Analysis of the Main Configuration Parameters of the Network Dynamic and Adaptive Radio Protocol (DARP), Sensors, 17, 7, 1502-
IGNACIO ROJAS
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- 2017 Artículo: New Constraints on all flavour Galactic diffuse neutrino emission with the ANTARES telescope, Physical Review D: Particles, Fields, Gravitation and Cosmology, 96, 062001, 1-8
ANTONIO FRANCISCO DIAZ GARCIA
- 2017 Artículo: First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope, Physical Review D: Particles, Fields, Gravitation and Cosmology, 96, 082001, 1-15
ANTONIO FRANCISCO DIAZ GARCIA
- 2017 Artículo: Sistema BCI multiusuario, Cognitive Area Networks, 4, 1, 49-53

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- 2017 Artículo: Estado del Arte en Neurotecnologías para la Asistencia y la Rehabilitación en España: Tecnologías Auxiliares, Transferencia Tecnológica y Aplicación Clínica, Revista Iberoamericana de Automática e Informática Industrial, 14, 4, 355-361

JESÚS MINGUILLÓN CAMPOS

- 2017 Artículo: Blue lighting accelerates post-stress relaxation: Results of a preliminary study, PloS One, 12, 10,-

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- 2017 Artículo: Multi-messenger Observations of a Binary Neutron Star Merger, The Astrophysical Journal. Letters, 848, 2, 1-59

ANTONIO FRANCISCO DIAZ GARCIA

- 2017 Artículo: Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory, The Astrophysical Journal. Letters, 850, 2, 1-18

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- 2017 Artículo: An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope, The Astronomical Journal, 154, 6, 1-9

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- 2017 Artículo: All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope, European Physical Journal. C, Particles And Fields (Print), 77, 911, 1-7

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- 2017 Artículo: The SURvey for Pulsars and Extragalactic Radio Bursts - II. New FRB discoveries and their follow-up, Monthly Notices of the Royal Astronomical Society, 475, 2, 1427-1446

ANTONIO FRANCISCO DIAZ GARCIA

- 2017 Artículo: Camera Characterization for Colorimetric Assessment of Goniochromatic Prints, Journal of Imaging Science and Technology, 61, 2, 20502-1-20502-15

PABLO MARTÍNEZ CAÑADA

- 2017 Artículo: Parallel high-dimensional multi-objective feature selection for EEG classification with dynamic workload balancing on CPU-GPU architectures, Cluster Computing, 20, 3, 1881-1897

ANTONIO FRANCISCO DIAZ GARCIA

JESÚS GONZÁLEZ

JUAN JOSÉ ESCOBAR PÉREZ

JULIO ORTEGA LOPERA

MIGUEL DAMAS

Libros (con ISBN)

- 2017 Comercio digital internacional: Ediciones Paraninfo S.A., - MADRID, 2017, 9788428339032

FERNANDO ROJAS RUIZ

- 2017 Comercio digital internacional: Paraninfo, Madrid, 2017, 9788428339032

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- 2017 Advances in Computational Intelligence, Part I: Springer, Cham, , 2017, 978-3-319-59152-0

IGNACIO ROJAS

- 2017 Advances in Computational Intelligence, Part II: Springer, Cham, , 2017, 978-3-319-59146-9

IGNACIO ROJAS

Contribuciones en congresos

- 2017 Ponencia en Congreso: Comparing Wireless Traffic Tracking with Regular Traffic Control Systems for the Detection of Congestions in Streets, International Conference on Smart Cities, 14/06/2017, Málaga España, Congreso

MARIA ISABEL GARCÍA ARENAS

PEDRO ANGEL CASTILLO VALDIVIESO

JUAN JULIÁN MERELO GUERVÓS

ANTONIO JAVIER FERNÁNDEZ ARES

- 2017 Comunicación en congreso: Mobile Health System for Evaluation of Breast Cancer Patients During Treatment and Recovery Phases, 5th International Work-Conference on Bioinformatics and Biomedical Engineering, 26/04/2017, GRANADA (SPAIN), Congreso

IGNACIO ROJAS

ORESTI BAÑOS

- 2017 Comunicación en congreso: Driving in TORCS using modular fuzzy controllers, EVO*- 2017 (EvoApplications), 19/04/2017, AMSTERDAM, Congreso

JUAN JULIÁN MERELO GUERVÓS

PABLO GARCÍA SÁNCHEZ

- 2017 Comunicación en congreso: Ranking Programming Languages for Evolutionary Algorithm Operations, EVO*- 2017 (EvoApplications), 19/04/2017, AMSTERDAM, Congreso
JUAN JULIÁN MERELO GUERVÓS
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GUSTAVO ROMERO LOPEZ
- 2017 Comunicación en congreso: A Performance Assessment of Evolutionary Algorithms in Volunteer Computing Environments: The Importance of Entropy, EVO*- 2017 (EvoApplications), 19/04/2017, AMSTERDAM, Congreso
PABLO GARCÍA SÁNCHEZ
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- 2017 Comunicación en congreso: Issues on GPU Parallel Implementation of Evolutionary High-dimensional Multi-objective Feature Selection, 20th European Conference on the Applications of Evolutionary and Bio-inspired Computation, 19/04/2017, Amsterdam, Holanda, Congreso
JULIO ORTEGA LOPERA
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BEATRIZ PRIETO CAMPOS
JESÚS GONZÁLEZ
- 2017 Ponencia en Congreso: Preliminary Evaluation of Symbolic Regression Methods for Energy Consumption Modelling, International Conference on Pattern Recognition Applications and Methods 2017, 24/02/2017, Porto, Congreso
RAMÓN RUEDA DELGADO
- 2017 Conferencias impartidas en Congreso: Conferencia sobre el Proyecto PETRA, Thinking of the Mobility, Thinking on the road, 30/03/2017, Barcelona, Congreso
ANTONIO JAVIER FERNÁNDEZ ARES
- 2017 Poster en Congreso: Development of intelligent systems for the classification and automatic diagnosis of fluoroscopy images corresponding to different skin pathologies, INTERNATIONAL WORK-CONFERENCE ON BIOINFORMATICS AND BIOMEDICAL ENGINEERING, 26/04/2017, FACULTAD DE CIENCIAS (GRANADA), Congreso
JUAN MANUEL GÁLVEZ GÓMEZ
- 2017 Comunicación en congreso: A Consistency-Driven Approach to Set Personalized Numerical Scales for Hesitant Fuzzy Linguistic Preference Relations, IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS 2017, 09/07/2017, Naples, Congreso
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- 2017 Comunicación en congreso: Setting the Parameters for an Accurate EEG (Electroencephalography)-Based Emotion Recognition System, 7th. INTERNATIONAL WORK-CONFERENCE on the INTERPLAY between NATURAL and ARTIFICIAL COMPUTATION, 19/06/2017, La Coruña, Spain, Congreso
JESÚS MINGUILLÓN CAMPOS
- 2017 Comunicación en congreso: Securing Passwords Beyond Human Capabilities with a Wearable Neuro-Device, 7th. INTERNATIONAL WORK-CONFERENCE on the INTERPLAY between NATURAL and ARTIFICIAL COMPUTATION, 19/06/2017, La Coruña, Spain, Congreso
JESÚS MINGUILLÓN CAMPOS
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- 2017 Comunicación en congreso: A Mobile Brain-Computer Interface for Clinical Applications: From the Lab to the Ubiquity, 7th. INTERNATIONAL WORK-CONFERENCE on the INTERPLAY between NATURAL and ARTIFICIAL COMPUTATION, 19/06/2017, La Coruña, Spain, Congreso
CHRISTIAN AGUSTÍN MORILLAS GUTIÉRREZ
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JESÚS MINGUILLÓN CAMPOS
- 2017 Comunicación en congreso: A parallel Island Approach to Multiobjective Feature Selection for Brain-Computer Interfaces, 14th International Work Conference on Artificial Neural Networks, 14/06/2017, Cádiz, Congreso
JULIO ORTEGA LOPERA
MIGUEL DAMAS
- 2017 Sesión no plenaria en Congreso: A Conductance-Based Neuronal Network Model for Color Coding in the Primate Foveal Retina, 7th. INTERNATIONAL WORK-CONFERENCE on the INTERPLAY between NATURAL and ARTIFICIAL COMPUTATION, 19/06/2017, La Coruña, Spain, Congreso
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