

LISTADO DE ARTÍCULOS RECIENTES POR TEMÁTICAS

Visión por Computador/ Tratamiento de Señales

2017	
Paper	Original keywords
J. Cervantes, J. Taltempa, F. García-Lamont, J. S. R. Castilla, A. Y. Rendon, L. D. Jalili. Comparative Analysis of the Techniques Used in a Recognition System of Plant Leaves. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(1):104-114, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2016.09.005	Classification, Descriptors, SVM, Data Sets
I. Ayed, B. Moyá-Alcover, P. Martínez-Bueso, J. VAróna, A. Ghazel, A. Jaume-i-Capó. Validation of RGBD Devices for Balance Clinical Measurement: the Functional Reach Test with Microsoft Kinect. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(1):115-120, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2016.07.007	Computer Vision, Microsoft Kinect, RGBD, Clinical Evaluation, Balance, Motor Rehabilitation
G. Villalón-Sepúlveda, M. Torres-Torriti, M. Flores-Calero. Traffic Sign Detection System for Locating Road Intersections and Braking Advance. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(2):152-162, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2016.09.010	Distance, Color, Road Intersection, Accidents, Traffic Signs, Statistics Templates
J. J. Villarejo Myor, R. Mamede Costa, A. Frizera-Neto, T. Freire Bastos. Decoding of Grasp and Individuated Finger Movements Based on Low-density Myoelectric Signals. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(2):184-192, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.02.001	Myoelectric Signals, Upper-limb Prosthesis, Superficial Electromyography Low Density, Dexterous Hand Gestures, Pattern Recognition
R.E. Sánchez-Alonso, J. Ortega-Moody, J-J. González-Barbosa, G. Reyes-Morales. Use of Platforms for the Development of Virtual Applications in the Modeling of Robot Manipulators. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(3):279-287, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.04.001	Modeling, Manipulator Robots, Virtual Reality, Dynamic Systems
A. Fernández Villán, R. Usamentiaga Fernández, R. Casado Tejedor. Automatic System to Detect both Distraction and Drowsiness in Drivers using Robust Visual Features. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(3):307-328, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.05.001	Distraction and Drowsiness Detection, Computer Vision, Perception and Recognition, Machine Learning, Monitoring and Supervision
T. R. Botelho, D. Soprani, C. Rodrigues, A. Ferreira, A. Frizera. New Approach to the EEG Signals Classification using the Variance of the Difference between the Classes of a Bayesian Classifier. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(4):362-371, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.07.002	Human-machine Interface, Signal Analysis, Biomedical Systems, Inertial Measurement Units, Human Brain, Movement
V. Martínez-Cagigal, R. Hornero. P300-Based Brain-Computer Interface Channel Selection using Swarm Intelligence. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(4):372-383, 2017.	Interfaces, Machine Learning, Biomedical Systems, Optimization and

ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.07.003	Computational Methods, Electroencephalograph, Communication Systems
E. A. Ortiz Colín, I. H. Hernández González, J. J. Rodríguez Rivas, O. Carranza Castillo, R. Ortega González, R. Morales Caporal. Sünter-Clare Algorithm Implementation in a 3x3 Matrix Converter. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(4):446-454, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.06.002	Matrix Converter, Sünter-Clare Modulation Algorithm, Total Harmonic Distortion
S. Casas, C. Portalés, S. Rueda, M. Fernández. On the Simulation of Robotic Motion Platforms with Digital Filters for Virtual Reality Applications. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 14(4):455-466, 2017. ISSN: 1697-7912, https://doi.org/10.1016/j.riai.2017.07.001	Motion Platforms, Simulation, Digital Filters, Virtual Reality, Robotics, Real Time
2018	
Paper	Original keywords
E. M. Rubino, D. Centelles, J. Sales, J. V. Martí, R. Marín, A. J. Alvares, P. J. Sanz. Underwater Wireless Vision System Using Progressive Image Compression and Region of Interest. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(1):46-57, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2017.8953	Image Compression; Data Transmission; Communication Systems; Teleoperation
Eduardo Trutié-Carrero, Damian Valdés-Santiago, Ángela León-Mecías, Jorge Ramírez-Beltrán. Burst Detection and Localization using Discrete Wavelet Transform and Cross-Correlation. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(2):211-216, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2017.8738	Singularity; wavelet transform; detection; estimation
D. Chaves, S., Saikia, L., Fernández-Robles, E., Alegre, M., Trujillo. A Systematic Review on Object Localisation Methods in Images. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(3), 231-242, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2018.10229	Detection algorithms, Image processing, Machine learning, Object recognition, Pattern recognition
I. Zubiaguirre-Bergen, M. Torres-Torriti, M. Flores-Calero. Generation of regions of interest with high potential to contain pedestrians using non-dense 3D reconstruction from monocular vision. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(3), 243-251, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2017.8825	Pedestrian, accidents, traffic, monocular vision, stereo vision, trajectory, ROIs.
E. Molina, J. Díaz, H. Hidalgo-Silva, E. Chavez. Robust Binarization of Non-Uniform Illuminated Images. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(3), 252-261, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2017.8847	Image binarization, non-uniform illumination, image processing
F. Calderon, A. Garnica-Carrillo, J. J. Flores. Multi Focus Image Fusion with variable size windows. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15, 262-276, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2017.8852	Multi-focus image fusion, Sliding windows, Incremental images
M. J. Castro-Toscano, J. C. Rodríguez-Quiñonez, D. Hernández-Balbuena, M. Rivas-Lopez, O. Sergiyenko, W. Flores-Fuentes. Obtaining Trajectories Using Strapdown INS/KF Framework: Methodological Proposal. <i>Revista Iberoamericana de Automática e Informática Industrial</i> , 15(4), 391-403, 2018. ISSN: 1697-7912, https://doi.org/10.4995/riai.2018.8660	Kalman Filter, Navigation, MEMS, INS