Universidad de Alcalá

PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS EN EL PROGRAMA DE DOCTORADO EN "SISTEMAS ELECTRÓNICOS AVANZADOS. SISTEMAS INTELIGENTES" EN EL AÑO 2022

Doctorando	Moreno Baeza, Guillermo
Fecha depósito	17/03/2022

Artículos en revistas internacionales:

Moreno, G., Martin, P., Santos, C., Rodríguez, F. J., & Santiso, E. (2020). A Day-Ahead Irradiance Forecasting Strategy for the Integration of Photovoltaic Systems in Virtual Power Plants. IEEE Access, 8, 204226-204240. DOI: 10.1109/ACCESS.2020.3036140

Moreno, G., Santos, C., Martín, P., Rodríguez, F. J., Peña, R., & Vuksanovic, B. (2021). Intra-Day Solar Power Forecasting Strategy for Managing Virtual Power Plants. Sensors, 21(16), 5648. https://doi.org/10.3390/s21165648

Martín, P., Moreno, G., Rodríguez, F. J., Jiménez, J. A., & Fernández, I. (2018). A hybrid approach to short-term load forecasting aimed at bad data detection in secondary substation monitoring equipment. Sensors, 18(11), 3947. https://doi.org/10.3390/s18113947

Congresos internacionales:

C. Santos-Perez, M. Tradacete-Ágreda, G. Moreno-Baeza, P. Martin-Sánchez and F. J. Rodriguez-Sánchez, "Hybrid Photovoltaic Power Forecasting Algorithm for Managing Virtual Power Plants," *2022 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Prague, Czech Republic, 2022, pp. 1-7, doi: 10.1109/ICECET55527.2022.9872987.

Doctorando	Cruz de la Torre, Carlos
Fecha lectura	24/11/2021

Artículos en revistas internacionales:

Carlos Cruz, Esther Palomar, Ignacio Bravo, Manuel Aleixandre.
Título: Behavioural Patterns in Aggregated Demand Response Developments for Communities Targeting Renewables. Sustainable Cities and Society. Elsevier. Vol.: 72 no. Mayo 2021
doi: https://doi.org/10.1016/j.scs.2021.103001
Calidad: JCR, Impact Factor: 7.587, Position 4/66 (Q1) en Construction and Building Technology

Carlos Cruz, Esther Palomar, Ignacio Bravo, Alfredo Gardel.
Título: Towards Sustainable Energy-Efficient Communities based on a Scheduling Algorithm. : Sensors (Molecular Diversity Preservation International (MDPI)). Vol. 19, no 18, Sept. 2019
doi: https://doi.org/10.3390/s19183973
Calidad: JCR, Impact Factor: 3.275, Position 15/64 (Q1) en Instruments & Instrumentation.

Carlos Cruz, Esther Palomar, Ignacio Bravo, Alfredo Gardel.
Título: Cooperative Demand Response Framework for a Smart Community Targeting. Energies (Molecular Diversity Preservation International (MDPI)) Vol.:13 no 2910 Fecha: Junio 2020
doi: 10.3390/en13112910
Calidad: JCR, Impact Factor: 3.004, Position 70/114 (Q3) en Energies & Fuels

Congresos Internacionales:

Esther González, Carlos Cruz, Ignacio Bravo y Alfredo Gardel Título: Cooperative System and Scheduling Algorithm. Congreso: 17th International Conference on Smart Living and Public Health. Publicación: Lecture Notes on Computer Science. Online ISBN: 978-3-030-32785-9. https://doi.org/10.1007/978-3-030-32785-9_18. Lugar: Nueva York, EE.UU Fecha: Oct., 2019

Esther González, Carlos Cruz, Ignacio Bravo y Alfredo Gardel Título: Performance Evaluation of a Collaborative IoT Framework for Energy-Efficient Communities. 2020 IEEE 22nd International Conference on High Performance Computing and Communications; IEEE 18th International Conference on Smart City; IEEE 6th International Conference on Data Science and Systems (HPCC/SmartCity/DSS). IEEE EXPLORE DOI 10.1109/HPCC-SmartCity-DSS50907.2020.00114 Lugar: EE.UU Fecha: Oct., 2020

Doctorando	Cavaliere Ballesta, Carlo
Fecha lectura	14/02/2022

Artículos en revistas internacionales:

García-Martín, E.; Ortiz, M.; Boquete, L.; Sánchez-Morla, E. M.; Barea, R.; Cavaliere, C.; Vilades, E.; Orduna, E.; Rodrigo, M. J. Early diagnosis of multiple sclerosis by OCT analysis using Cohen's d method and a neural network as classifier. COMPUTERS IN BIOLOGY AND MEDICINE. 129, PERGAMON-ELSEVIER SCIENCE LTD,01/02/2021. ISSN 0010-4825, ISSN 1879-0534.
Factor de impacto año 2021: 6,698.
Revista en Q1, posición 6/57 en MATHEMATICAL & COMPUTATIONAL BIOLOGY

de Santiago, Luis; Ortiz del Castillo, M.; García-Martín, Elena; Jesús Rodrigo, María; Sánchez Morla, Eva M.; Cavaliere, Carlo; Cordón, Beatriz; Manuel Miguel, Juan; López, Almudena; Boquete, Luciano. Empirical Mode Decomposition-Based Filter Applied to Multifocal Electroretinograms in Multiple Sclerosis Diagnosis.
SENSORS. 20 - 1, MDPI, 01/01/2020. ISSN 1424-8220
Factor de impacto año 2020: 3,576.
Revista en Q1, posición 14/64 en INSTRUMENTS & INSTRUMENTATION

Cavaliere, Carlo; Vilades, Elisa; Alonso-Rodríguez, Ma C.; Rodrigo, María Jesús; Pablo, Luis Emilio; Miguel, Juan Manuel; López-Guillen, Elena; Morla, Eva Ma Sánchez; Boquete, Luciano; García-Martín, Elena. Computer-Aided Diagnosis of Multiple Sclerosis Using a Support Vector Machine and Optical Coherence Tomography Features. SENSORS. 19 - 23, MDPI, 01/12/2019. ISSN 1424-8220
Factor de impacto año 2019: 3,275.
Revista en Q1, posición 15/64 en INSTRUMENTS & INSTRUMENTATION.

Doctorando	López Dorado, Almudena
Fecha lectura	14/03/2022

Artículos en revistas internacionales:

López-Dorado, A.; Pérez, J.; Rodrigo, M. J.; Miguel-Jiménez, J. M.; Ortiz, M.; de Santiago, L.; López-Guillen, E.; Blanco, R.; Cavalliere, C.; Sánchez Morla, E. Ma; Boquete, L.; García-Martín, E. "Diagnosis of multiple sclerosis using multifocal ERG data feature fusion".
INFORMATION FUSION. 76, pp. 157 - 167. ELSEVIER, 06/06/2021. ISSN 1566-2535, ISSN 1872-6305
Factor de impacto año 2021: 17,564.
Revista en Q1, posición 1/110 en COMPUTER SCIENCE, THEORY & METHODS.

López-Dorado, Almudena; Ortiz, Miguel; Satue, María; Rodrigo, María J.; Barea, Rafael; Sánchez-Morla, Eva M.; Cavaliere, Carlo; Rodríguez-Ascariz, José M.; Orduna-Hospital, Elvira; Boquete, Luciano; García-Martín, Elena. "Early Diagnosis of Multiple Sclerosis Using Swept-Source Optical Coherence Tomography and Convolutional Neural Networks Trained with Data Augmentation". SENSORS. 22 - 1, MDPI, 01/01/2022. ISSN 1424-8220
Factor de impacto año 2021: 3,847.
Revista en Q2, posición 95/276 en ENGINEERING, ELECTRICAL & ELECTRONIC

de Santiago, Luis; Ortiz del Castillo, M.; García-Martín, Elena; Jesús Rodrigo, María; Sánchez Morla, Eva M.; Cavaliere, Carlo; Cordón, Beatriz; Manuel Miguel, Juan; López-Dorado, Almudena; Boquete, Luciano. "Empirical Mode Decomposition-Based Filter Applied to Multifocal Electroretinograms in Multiple Sclerosis Diagnosis". SENSORS. 20 - 1, MDPI, 01/01/2020. ISSN 1424-8220
Factor de impacto año 2020: 3,576.
Revista en Q1, posición 14/64 en INSTRUMENTS & INSTRUMENTATION.

Doctorando	Mayor Miguel, Alvar Gonzalo
Fecha lectura	30/09/2021

Artículos en revistas internacionales:

Autores: A. Mayor, M. Rizo, A. Rodríguez, E.J. Bueno
Título: "Commutation Behavior Analysis of a Dual 3L-ANPC-VSC Phase-Leg PEBB Using 4.5-kV and 1.5-kA HV-IGBT Modules"
Revista: IEEE Trans. on Power Electronics, 2019, vol. 34, issue. 2, pp. 1125-1141.
Indicios de calidad: Índice de impacto 6.812 (JCR 2017). Puesto: 12 de 260 en la categoría ENGINEERING, ELECTRICAL & ELECTRONIC. Tercil: T1. Cuartil: Q1.

Doctorando	Díaz Llerena, Edel
Fecha lectura	25/01/2022

Artículos en revistas internacionales:

Autores: E. Díaz, R. Mateos, E.J. Bueno, Rubén Nieto
Título: "Enabling Parallelized-QEMU for Hardware/Software Co-Simulation Virtual Platforms"
Revista: Electronics 2021, 10, 759. https://doi.org/10.3390/electronics10060759.
Indicios de calidad: Índice de impacto 2.397(JCR 2020). Puesto: 93 de 161 en la categoría COMPUTER SCIENCE, INFORMATION SYSTEMS. Cuartil: Q3.

Congresos Internacionales:

E. Díaz, R. Mateos and E. Bueno, "Virtual Platform of FPGA based SoC for Power Electronics Applications," 2019 IEEE 28th International Symposium on Industrial Electronics (ISIE), 2019, pp. 1371-1376, doi: 10.1109/ISIE.2019.8781247.

E. Díaz, R. Mateos and E. Bueno, "Virtual Platform of FPGA based MPSoC for Power Electronics Applications: OS simulation," IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society, 2019, pp. 3118-3123, doi: 10.1109/IECON.2019.8927331.

E. Díaz, R. Mateos, J. Pavón and D. Calvo, "Versatile SoC architecture for integration of HW accelerators in power electronics applications," 2021 22nd IEEE International Conference on Industrial Technology (ICIT), 2021, pp. 817-822, doi: 10.1109/ICIT46573.2021.9453471.

Doctorando	García de Villa, Sara
Fecha lectura	09/03/2022

Artículos en revistas internacionales:

S. García-de-Villa, D. Casillas-Pérez, A. Jiménez-Martín and J. J. García-Domínguez, "Inertial Sensors for Human Motion Analysis: A Comprehensive Review," in *IEEE Transactions on Instrumentation and Measurement*, vol. 72, pp. 1-39, 2023, Art no. 4006439, doi: 10.1109/TIM.2023.3276528.
JCR: 5.332, Q1, Posición 10/64, Categoría INSTRUMENTS & INSTRUMENTATION

S. García-de-Villa, A. Jiménez-Martín and J. J. García-Domínguez, "Novel IMU-Based Adaptive Estimator of the Center of Rotation of Joints for Movement Analysis," in *IEEE Transactions on Instrumentation and Measurement*, vol. 70, pp. 1-11, 2021, Art no. 4004511, doi: 10.1109/TIM.2021.3073688.
JCR: 5.332, Q1, Posición 10/64, Categoría INSTRUMENTS & INSTRUMENTATION

Sara García-de-Villa, David Casillas-Pérez, Ana Jiménez-Martín, Juan Jesús García-Domínguez, Simultaneous exercise recognition and evaluation in prescribed routines: Approach to virtual coaches, Expert Systems with Applications, Volume 199, 2022, 116990, ISSN 0957-4174, https://doi.org/10.1016/j.eswa.2022.116990.
JCR: 8.665, Q1, Posición 23/276, Categoría ENGINEERING, ELECTRICAL & ELECTRONIC

García-de-Villa, S., Jiménez-Martín, A. & García-Domínguez, J.J. A database of physical therapy exercises with variability of execution collected by wearable sensors. *Sci Data* **9**, 266 (2022). https://doi.org/10.1038/s41597-022-01387-2
JCR: 8.501, Q1, Posición 12/74, Categoría MULTIDISCIPLINARY SCIENCES - SCIE

Congresos Internacionales:

Sara Garcia de Villa, Ana Jimenez Martin, J. Jesus Garcia Dominguez.
Título: A Biomechanical Model Implementation for Upper-Limbs Rehabilitation Monitoring Using IMUs
Tipo de comunicación: Póster. Congreso: 7th International Work-Conference, IWBBIO 2019.
Lecture Notes 11466 Bioinformatics and Biomedical Engineering
Páginas: 351-362. ISBN: 978-3-030-17937-3 https://doi.org/10.1007/978-3-030-17935-9_32
Lugar celebración: Granada (Spain)   Fecha: 8-10 May 2019

Ana Jimenez Martin, Alejandro Cuevas Notario, J. Jesus Garcia Dominguez, Sara Garcia de Villa and Miguel A. Herrero. Título: Data Fusion for Improving Sleep Apnoea Detection from Single-Lead ECG Derived Respiration Tipo de comunicación: Oral .Congreso: 7th International Work-Conference, IWBBIO 2019. Lecture Notes 11466 Bioinformatics and Biomedical Engineering . Páginas: 41-50   ISBN: 978-3-030-17937-3 https://doi.org/10.1007/978-3-030-17935-9_5. Lugar celebración: Granada (Spain)Fecha: 8-10 May 2019

Autores: Sara Garcia de Villa, Ana Jimenez Martin, J. Jesus Garcia Dominguez. Título: Implementation of a lower-limb model for monitoring exercises in rehabilitation. Tipo de comunicación: Póster. Congreso: 14th edition of IEEE International Symposium on Medical Measurements and Applications, MeMea 2019. Proceedings of the IEEE International Symposium on Medical Measurements and Applications . Páginas:. ISBN: 978-1-5386-8427-6. Lugar celebración: Estambul (Turquía). Fecha: 26-28 June 2019.

Sara Garcia de Villa, Estefanía Muñoz Diaz, Dina Bousdar Ahmed, Ana Jimenez Martin, J. Jesus Garcia Domínguez. Título: IMU-based Characterization of the Leg for the Implementation of Biomechanical Models. Tipo de comunicación: Oral. Congreso: 2019 International Conference on Indoor Positioning and Indoor Navigation (IPIN), Proceedings of the 2019 International Conference on Indoor Positioning and Indoor Navigation (IPIN). Lugar celebración: Pisa, Italy. Fecha: 30 Sept. - 3 Oct. 2019.

Sara Garcia de Villa, Ana Jimenez Martin, J. Jesus Garcia Dominguez. Título: Adaptive IMU-based Calibration of the Center of Joints for Movement Analysis: One Case Study. Tipo de comunicación: Oral. Congreso: 15th edition of IEEE International Symposium on Medical Measurements and Applications, MeMea 2020. Proceedings of the IEEE International Symposium on Medical Measurements and Applications. Páginas:. ISBN: 978-1-7281-5386-5. Lugar celebración: Bari (Italy). Fecha: 1 June – 1 July 2020.

S. G. de Villa, A. M. Parra, A. J. Martín, J. J. G. Domínguez and D. Casillas-Perez. Título: ML algorithms for the assessment of prescribed physical exercises. Tipo de comunicación: Oral. Congreso: 16th edition of IEEE International Symposium on Medical Measurements and Applications, MeMea 2021. Proceedings of the IEEE International Symposium on Medical Measurements and Applications. Páginas:. ISBN: 978-1-6654-1914-7. Lugar celebración: Neuchâtel (Switzerland). Fecha: 23-25 June 2021

Ana Jiménez Martín, Sara García de Villla, F. Javier Redondo García, Juan Jesús García Domínguez, Nicolla Diciolla, M. José Yuste Sánchez, Alda Marques, Antonio R. Jiménez Ruiz
Título: IMU-based monitoring of patients with COVID-19 for the assessment of in-home recovering Tipo de comunicación: Póster. Congreso: 17th edition of IEEE International Symposium on Medical Measurements and Applications, MeMea 2022. Lugar celebración: Giardini naxos-Taormina, Messina (Italy)   Fecha: 22-24 June 2022

Doctorando	Serrano Delgado, Javier
Fecha lectura	25/10/2021

Artículos en revistas internacionales:

J. Serrano-Delgado, J. Moriano, M. Rizo, F.J. Dongil, "Enhanced Current Reference Calculation to Avoid Harmonic Active Power Oscillations." Energies 2019, 12, 4075, doi: https://doi.org/10.3390/en12214075

J. Serrano-Delgado et al., "Output Capacitance Minimization for Converters in DC Microgrids via Multi-Objective Tuning of Droop-Based Controllers," in IEEE Access, vol. 8, pp. 222700-222710, 2020, doi: https://doi.org/10.1109/access.2020.3044171 .

J. Serrano-Delgado, S. Cobreces, M. Rizo and E. J. Bueno, "Low-Order Passivity-Based Robust Current Control Design for Grid-Tied VSCs," in IEEE Transactions on Power Electronics, vol. 36, no. 10, pp. 11886-11899, Oct. 2021, doi: https://doi.org/10.1109/tpel.2021.3068057 .

Ramirez, D., Zarei, ME, Gupta, M., Serrano, J. "Fast Model-based Predictive Control (FMPC) for grid connected Modular Multilevel Converters (MMC)".International Journal of Electrical Power and Energy Systems,vol. 119,p. 105951,Jul. 2020,doi: https://doi.org/10.1016/j.ijepes.2020.105951 .

Ramirez, D, Castillo, RJ, Zarei, ME, Serrano, J. "Linear multi-vector MPC for GSCs of renewable power plants under severe grid disturbances." IET Renewable Power Generation. 2021; 15: 964– 979. doi: https://doi.org/10.1049/rpg2.12076

Congresos Internacionales:

J. Serrano-Delgado, S. Cobreces, E. J. Bueno and M. Rizo, "Passivity-based Robust Current Control of Grid-connected VSCs," 2020 IEEE Applied Power Electronics Conference and Exposition (APEC), 2020, pp. 745-752, doi: https://doi.org/10.1109/apec39645.2020.9124599 .

J. Serrano-Delgado, S. Cobreces, E. J. Bueno and M. Rizo, "Passivity-based Fixed- order H-infinity Controller Design for Grid-forming VSCs," 2021 IEEE Applied Power Electronics Conference and Exposition (APEC), 2021, pp. 2459-2466, doi: https://doi.org/10.1109/apec42165.2021.9487406 .

Doctorando	Amo Usanos, Carlos
Fecha lectura	16/07/2021

Artículos en revistas internacionales:

Amo Usanos, Carlos; Boquete, Luciano; de Santiago, Luis; Barea Navarro, Rafael; Cavaliere, Carlo. *Induced Gamma-Band Activity during Actual and Imaginary Movements: EEG Analysis*. SENSORS. 20 - 6, MDPI, 01/03/2020. ISSN 1424-8220

Factor de impacto año 2020: 3,576.

Revista en Q1, posición 14/64 en INSTRUMENTS & INSTRUMENTATION.

Amo, Carlos; De Santiago, Luis; Zarza Lucianez, Daniel; León Alonso-Cortés, José Miguel; Alonso-Alonso, Miguel; Barea, Rafael; Boquete, Luciano. *Induced gamma band activity from EEG as a possible index of training-related brain plasticity in motor tasks*. PLOS ONE. 12 - 10, PUBLIC LIBRARY SCIENCE, 05/10/2017. ISSN 1932-6203

Factor impacto año 2017: 2,766.

Revista en Q1, posición 15/64 en MULTIDISCIPLINARY SCIENCES.

Amo, Carlos; de Santiago, Luis; Barea, Rafael; López-Dorado, Almudena; *Boquete, Luciano. *Analysis of Gamma-Band Activity from Human EEG Using Empirical Mode Decomposition*. SENSORS. 17 - 5, MDPI, 01/05/2017. ISSN 1424-8220

Factor de impacto año 2017: 2,475.

Revista en Q1, posición 16/76 en INSTRUMENTS & INSTRUMENTATION

Doctorando	Aparicio Esteve, Elena
Fecha lectura	16/02/2022

Artículos en revistas internacionales:

Elena Aparicio-Esteve, Álvaro Hernández, Jesús Ureña, José M. Villadangos. Visible Light Positioning System based on a Quadrant Photodiode and Encoding Techniques. IEEE Transactions on Instrumentation and Measurement, vol. 69, no. 8, pp. 5589-5603, Aug. 2020, doi: 10.1109/TIM.2019.2962563. JCR: Impact Factor: 3,655. (Position 9 de 64 en la Categoría "Instruments and Instrumentations").

Elena Aparicio-Esteve, Álvaro Hernández, Jesús Ureña, José Manuel Villadangos, Sergio Lluva and María Carmen Pérez-Rubio. "Detecting relative amplitude of IR signals with active sensors and its application to a Positioning System". Applied Sciences,*. **2020**, *10*, 6412. https://doi.org/10.3390/app10186412
JCR, Impact Factor: 2.679. Position: 38 de 91 en la categoría "Engineering Multisdisciplinary".

Authors: Elena Aparicio-Esteve, Álvaro Hernández, Jesús Ureña. Design, Calibration and Evaluation of a long-range 3D Infrared Positioning System based on Encoding Techniques. IEEE Transactions on Instrumentation and Measurement, vol. 70, p. 7005113, 2021, Art no. 7005113, doi: 10.1109/TIM.2021.3089223. JCR: Impact Factor: 4,016. (Position 11 de 64 en la Categoría "Instruments and Instrumentations").

Elena Aparicio-Esteve; Jesús Ureña; Álvaro Hernández; Daniel Pizarro; David Moltó. Title: "Using Pespective-n-Point algorithms for a Local Positioning System based on LEDs and a QADA receiver".
JOURNAL: Sensors 2021, 21, Sensors 21, no. 19: 6537. https://doi.org/10.3390/s21196537
JCR, Impact Factor: 3.576. Position: 14 de 64 en la categoría Instruments & Instrumentation.

E. Aparicio-Esteve, W. Raes, N. Stevens, J. Ureña and Á. Hernández, "Experimental Evaluation of a Machine Learning-Based RSS Localization Method Using Gaussian Processes and a Quadrant Photodiode," in *Journal of Lightwave Technology*, vol. 40, no. 19, pp. 6388-6396, 1 Oct.1, 2022, doi: 10.1109/JLT.2022.3198009.

Congresos internacionales:

Authors: E. Aparicio-Esteve, Á. Hernández, J. Ureña, J. M. Villadangos and F. Ciudad,
Title: "Estimation of the Polar Angle in a 3D Infrared Indoor Positioning System based on a QADA receiver". Tipo de participación: Ponencia. Congreso: 2019 International Conference on Indoor Positioning and Indoor Navigation (IPIN 2019). Publicación: 2019 Int. Conference on Indoor Positioning and Indoor Navigation (IPIN), Pisa, Italy, 2019, pp. 1-8. Lugar celebración: Pisa (Italy).   Fecha: September 2019.   doi: 10.1109/IPIN.2019.8911775

Authors: Elena Aparicio-Esteve; Álvaro Hernández; Jesús Ureña
Title: Evaluation of MAI Effect in Encoding Techniques for an Infrared Positioning System.
Tipo de participación: Ponencia. Congreso: 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC). Publicación: Instrumentation and Measurement Technology Conference,(I2MTC),IEEE   Lugar celebración: Dubrovnik). Fecha: May 2020.

Authors: Elena Aparicio-Esteve; José M. Villadangos; Álvaro Hernández; Jesús Ureña
Title: Experimental Evaluation of an IR and US Multi-Sensory Positioning Fusion Method.
Tipo de participación: Ponencia.
Congreso: 2021 International Conference on Indoor Positioning and Indoor Navigation (IPIN 2021).
Publicación: IPIN 2021 WiP Proceedings, CEUR Workshop Proceedings (CEUR-WS.org)
Lugar celebración: Lloret de Mar, Spain. Fecha: November 2021.

Doctorando	Fuentes Jiménez, David
Fecha lectura	14/07/2021

Artículos en revistas internacionales:

Fuentes-Jimenez, D., Pizarro, D., Casillas-Pérez, D., Collins, T., & Bartoli, A. (2022). Deep Shape-from-Template: Single-image quasi-isometric deformable registration and reconstruction. *Image and Vision Computing*, *127*, 104531. (Q1)

Fuentes-Jimenez, D., Losada-Gutierrez, C., Casillas-Perez, D., Macias-Guarasa, J., Pizarro, D., Martin-Lopez, R., & Luna, C. A. (2021). Towards dense people detection with deep learning and depth images. *Engineering Applications of Artificial Intelligence*, *106*, 104484.

Fuentes-Jimenez, D., Pizarro, D., Casillas-Perez, D., Collins, T., & Bartoli, A. (2021). Texture-generic deep shape-from-template. *IEEE Access*, *9*, 75211-75230.

Fuentes-Jimenez, D., Martin-Lopez, R., Losada-Gutierrez, C., Casillas-Perez, D., Macias-Guarasa, J., Luna, C. A., & Pizarro, D. (2020). DPDnet: A robust people detector using deep learning with an overhead depth camera. Expert Systems with Applications, 146, 113168.

Luna, C. A., Losada-Gutiérrez, C., **Fuentes-Jimenez**, D., & Mazo, M. (2021). People re-identification using depth and intensity information from an overhead camera. *Expert Syst. with Applications*, *182*, 115287.

*Casillas-Perez, D., Pizarro, **D., Fuentes-Jimenez**, D., Mazo, M., & Bartoli, A. (2021). The Isowarp: the template-based visual geometry of isometric surfaces. Int. J. of Computer Vision, 129(7), 2194-2222.*

*Casillas-Perez, David & Pizarro, Daniel & **Fuentes-Jimenez, David** & Mazo, Manuel & Bartoli, Adrien. (2019). Equiareal Shape-from-Template. Journal of Mathematical Imaging and Vision. 61. 10.1007/s10851-018-0862-5.*

Congresos internacionales:

*Diego-Otón, Laura & **Fuentes-Jimenez, David** & Hernández, Álvaro & Nieto, Rubén. (2021). Recurrent LSTM Architecture for Appliance Identification in Non-Intrusive Load Monitoring. 10.1109/I2MTC50364.2021.9460046.*

*Hernández, Álvaro & Nieto, Rubén & **Fuentes-Jimenez, David** & Ureña, Jesús. (2020). Design of a SoC Architecture for the Edge Computing of NILM Techniques. 10.1109/DCIS51330.2020.9268626.*

*Martín López, Roberto & **Fuentes-Jimenez, David** & Luengo-Sanchez, Sara & Losada-Gutiérrez, Cristina & Marrón-Romera, Marta & Vazquez, C.. (2020). Towards Deep People Detection using CNNs Trained on Synthetic Images. 10.5220/0008879102250232.*

Luengo-Sanchez, Sara & de Lopez, Sergio & **Fuentes-Jimenez, David** & Losada-Gutiérrez, Cristina & Marrón-Romera, Marta & mohammad ibrahim, Sarker. (2020). 3D Convolutional Neural Network for Falling Detection using Only Depth Information. 10.5220/0009356205900597.

Doctorando	Colombo , Martín Alejandro
Fecha lectura	16/04/2021

Artículos en revistas internacionales:

Martín Colombo; Álvaro Hernández; Jesús Ureña

Title: Low-Complexity Joint Time Synchronization and Channel Estimation for OFDM-Based PLC Systems

JOURNAL: IEEE Access, **Volume**: 7, **Issue**: 1 **Pages**: 121446-121456; 10.1109/ACCESS.2019.2937472, December 2019. JCR, Impact Factor: 4.098. Position: 52 de 265 en 'Engineering, Electrical & Electronic'.

Martín Colombo , Álvaro Hernández , Jesús Ureña , Miguel Mayosky , Carlos De Marziani. "A comparison between autocorrelation- and crosscorrelation-based coarse frame synchronization schemes for OFDM-PLC systems". JOURNAL: Signal Processing (en revisión).

Congresos internacionales:

Authors: M. Colombo, C. De Marziani, A. Hernández, J. Ureña, M. Mayosky. Title: "Low-complexity timing synchronization for OFDM based on CAZAC and Golay sequences". Tipo de presentación: Ponencia oral. Congreso: Proc. IEEE International Conf. on Ubiquitous Wireless Broadband (ICUWB'17), pp. 1-5, (ISBN 978-1-5090-5006-2). Lugar: Salamanca (Spain).   Fecha: September 2017.