

DEPARTAMENTO DE
INFORMATICA

DEPARTAMENTO DE INFORMÁTICA

Actividades de investigación

Tesis Doctorales

- Cybersecurity in implantable medical devices.
Autor: CAMARA, N.; Carmen Camara
Director/Codirectores: ESTEVEZ-TAPIADOR, J.M.; PERIS, P.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2018
- Evolutionary design of deep neural networks
Autor: BALDOMINOS, A.
Director/Codirectores: ISASI, P.; SAEZ, Y.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: ESCUELA POLITECNICA SUPERIOR
Año: 2018
- Framework for data quality in knowledge discovery tasks
Autor: CORRALES, D.C.
Director/Codirectores: LEDEZMA, A. I.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2018
- Novel high performance techniques for high definition computer aided tomography
Autor: SERRANO, E.
Director/Codirectores: CARRETERO, J.; Javier Garcia-Blas
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2018
- Parallel Source Code Transformation Techniques using Design Patterns
Autor: RIO, D.D.
Director/Codirectores: GARCIA, J.D.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: ESCUELA POLITECNICA SUPERIOR
Año: 2018
- Técnicas de clustering aplicadas a la resolución de problemas de optimización combinatoria con restricciones espaciales y temporales
Autor: MARTIN, E.
Director/Codirectores: ISASI, P.; SAEZ, Y.
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Centro donde se presentó: ESCUELA POLITECNICA SUPERIOR

Año: 2018

Publicaciones y actividades de difusión de resultados

Publicaciones en revistas científicas nacionales

- MORATO, J. L.; GIMMELLI, P.
Measuring the readability of exhibit panels in museums, *Profesional de la Informacion*, Vol. 27, 2018, pp. 570-581, ESPAÑA.
- MORATO, J. L.; SANCHEZ-CUADRADO, S.; GIMMELLI, P.
Estimación de la comprensibilidad en paneles de museos, *Profesional de la Informacion*, Vol. 27, Núm. 3, 2018, pp. 570-581, ESPAÑA.
- RIBAGORDA, A.
Panorama actual de la ciberseguridad, *Economía Industrial*, Núm. 410, 2018, pp. 13-26, ESPAÑA.
- SAEZ, Y.; DE RADA, F.; MOCHON, A.
TV Series and Social Media: Powerful Engagement Factors in Mobile Video Games, *International Journal of Interactive Multimedia and Artificial Intelligence*, Vol. 5, Núm. 3, 2018, pp. 46-55, ESPAÑA.
- SANZ-SERNA, J.M.; MORATO, J. L.; SANCHEZ-CUADRADO, S.
Percepción de la comprensión de los paneles interpretativos en parajes naturales = Comprehension assessment of informative panels on natural landscape, *Scire*, Vol. 24, Núm. 2, 2018, pp. 53-62, ESPAÑA.

Publicaciones en revistas científicas internacionales

- AGHILI, S.F.; MALA, H.; PERIS, P.
Securing Heterogeneous Wireless Sensor Networks: Breaking and Fixing a Three-Factor Authentication Protocol, *SENSORS*, Vol. 18, Núm. 11, 2018, SUIZA.
- ALONSO, S.; GARCIA-CARBALLEIRA, F.; CALDERON, A.
A heterogeneous mobile cloud computing model for hybrid clouds, *Future Generation Computer Systems-The International Journal of eScience (Future Generation Computer Systems-The International Journal of Grid Comput)*, Vol. 87, 2018, pp. 651-666, HOLANDA - PAISES BAJOS.
- ALOR, G.; MEJIA, J.; ALVAREZ, J.M.
Scientific Programming Techniques and Algorithms for Data-Intensive Engineering Environments, *Scientific Programming*, 2018, HOLANDA - PAISES BAJOS.
- ALVAREZ, J.M.; ALOR, G.; MEJIA, J.
Survey of Scientific Programming Techniques for the Management of Data-Intensive Engineering Environments, *Scientific Programming*, 2018, HOLANDA - PAISES BAJOS.

- ALVAREZ, J.M.; MENDIETA, R.A.; VARA, J.L.; FRAGA, A.; JUAN LLORENS
Enabling System Artefact Exchange and Selection through a Linked Data Layer, *Journal of universal computer science*, Vol. 24, Núm. 11, 2018, pp. 1536-1560, AUSTRIA.
- BALDOMINOS, A.; SAEZ, Y.; ISASI, P.
Evolutionary Design of Convolutional Neural Networks for Human Activity Recognition in Sensor-Rich Environments, *SENSORS*, Vol. 18, Núm. 4, 2018, SUIZA.
- BALDOMINOS, A.; SAEZ, Y.; ISASI, P.
Evolutionary convolutional neural networks: An application to handwriting recognition, *NEUROCOMPUTING*, Vol. 283, 2018, pp. 38-52, HOLANDA - PAISES BAJOS.
- BELLUCCI, A.; NOLAN, J.; DI SANTO, A.
Research in the Wild(s): Opportunities, Affordances and Constraints doing Assistive Technology Field Research in Underserved Areas, *Disability Studies Quarterly*, Vol. 38, Núm. 4, 2018.
- BERGER, C.C.; GONZÁLEZ, M.; TAJADURA-JIMENEZ, A.; FLORENCIO, D.; ZHANG, Z.
Generic HRTFs May be Good Enough in Virtual Reality. Improving Source Localization through Cross-Modal Plasticity, *Frontiers in Neuroscience*, Vol. 12, 2018, SUIZA.
- BLASCO, J.; PERIS, P.
On the Feasibility of Low-Cost Wearable Sensors for Multi-Modal Biometric Verification, *SENSORS*, Vol. 18, Núm. 9, 2018, pp. 1-30, SUIZA.
- CAICEDO, J.A.; CORRALES, J.C.; RENDON, A.; LEDEZMA, A. I.
QoS-Classifer for VPN and Non-VPN traffic based on time-related features, *Computer Networks*, Vol. 144, 2018, pp. 271-279, HOLANDA - PAISES BAJOS.
- CAINES, A.; PASTRANA, S.; HUTCHINGS, A.; BUTTERY, P.J.
Automatically identifying the function and intent of posts in underground forums, *Crime Scene*, 2018, pp. 1-14.
- CAINO, S.; LAPIN, A.; CARRETERO, J.; KROPF, P.
Applying Big Data Paradigms to a Large Scale Scientific Workflow: Lessons Learned and Future Directions, *Future Generation Computer Systems-The International Journal of eScience (Future Generation Computer Systems-The International Journal of Grid Comput)*, 2018, HOLANDA - PAISES BAJOS.
- CALLEJA, A.; MARTIN, A.; MENÉNDEZ, H.D.; ESTEVEZ-TAPIADOR, J.M.; CLARK, D.
Picking on the family: Disrupting android malware triage by forcing misclassification, *EXPERT SYSTEMS WITH APPLICATIONS*, Vol. 95, 2018, pp. 113-126, ESTADOS UNIDOS DE AMERICA.
- CARINO, J.A.; DELGADO, M.; ZURITA, D.; ORTEGA, J.A.; IGLESIAS, J.A.; SANCHIS DE, M.A.; MILLAN, M.; ROMERO, R.
Fault Detection and Identification Methodology Under an Incremental Learning Framework Applied to Industrial Machinery, *IEEE Access*, Vol. 6, 2018, pp. 49755-49766, ESTADOS UNIDOS DE AMERICA.
- Carmen Camara; PERIS, P.; GONZALEZ, L.; ESTEVEZ-TAPIADOR, J.M.

Real-time electrocardiogram streams for continuous authentication, *APPLIED SOFT COMPUTING*, Vol. 68, 2018, pp. 784-794, HOLANDA - PAISES BAJOS.

- Carmen Camara; PERIS, P.; MARTIN, H.; ALDALAIEN, M.
ECG-RNG: a random number generator based on ECG signals and suitable for securing wireless sensor networks, *SENSORS*, Vol. 18, Núm. 9 (2747), 2018, pp. 1-15, SUIZA.
- CARRETERO, J.; IZQUIERDO, G.; VASILE, M.; Javier Garcia-Blas
Federated Identity Architecture of the European eID System, *IEEE Access*, Vol. 6, 2018, pp. 75302-75326, ESTADOS UNIDOS DE AMERICA.
- CERVANTES, A.; ISASI, P.; SLOAN, T.; HERNANDEZ, J.
System steganalysis with automatic fingerprint extraction, *PLoS One*, Vol. 13, 2018, ESTADOS UNIDOS DE AMERICA.
- CORRALES, D.C.; LASSO, E.; CORRALES, C.; LEDEZMA, A. I.
Feature selection for classification tasks: Expert knowledge or traditional methods?, *JOURNAL OF INTELLIGENT & FUZZY SYSTEMS*, 2018, HOLANDA - PAISES BAJOS.
- CORRALES, D.C.; LASSO, E.; FIGUEROA, A.; LEDEZMA, A. I.; CORRALES, J.C.
Estimation of coffee rust infection and growth through two-level classifier ensembles based on expert knowledge, *International Journal of Business Intelligence and Data Mining*, Vol. 13, Núm. 4, 2018, pp. 369-387.
- CORRALES, D.C.; LEDEZMA, A. I.; CORRALES, J.C.
How to Address the Data Quality Issues in Regression Models: A Guided Process for Data Cleaning, *Symmetry-Basel*, Vol. 10, Núm. 4, 2018, SUIZA.
- CORRALES, D.C.; LEDEZMA, A. I.; CORRALES, J.C.
From Theory to Practice: A Data Quality Framework for Classification Tasks, *Symmetry-Basel*, Vol. 10, Núm. 7, 2018, SUIZA.
- DE FUENTES, J.M.; GONZALEZ, L.; RIBAGORDA, A.
Secure and Usable User-in-a-Context Continuous Authentication in Smartphones Leveraging Non-Assisted Sensors, *SENSORS*, Vol. 18, Núm. 4, 2018, SUIZA.
- DE FUENTES, J.M.; GONZALEZ, L.; SOLANAS, A.; VESELI, F.
Attribute-Based Credentials for Privacy-Aware Smart Health Services in IoT- Based Smart Cities, *COMPUTER*, Vol. 51, Núm. 7, 2018, pp. 44-53, ESTADOS UNIDOS DE AMERICA.
- DENYSIUK, R.; COVAS, J.A.; GASPAR, A.; RECIO, G.
Using multiobjective optimization algorithms and decision making support to solve polymer extrusion problems, *POLYMER ENGINEERING AND SCIENCE*, Vol. 58, 2018, pp. 493-502, ESTADOS UNIDOS DE AMERICA.
- DIAZ, M.P.; BELLUCCI, A.; YUAN, C.W.; AEDO, I.
Augmented Experiences in Cultural Spaces through Social Participation, *ACM Journal on Computing and Cultural Heritage*, Vol. 11, Núm. 4, 2018, ESTADOS UNIDOS DE AMERICA.

- DOLZ, M.F.; RIO, D.D.; FERNANDEZ, J.; CARRETERO, J.; GARCIA, J.D.
Towards Automatic Parallelization of Stream Processing Applications, *IEEE Access*, Vol. 6, 2018, pp. 39944-39961, ESTADOS UNIDOS DE AMERICA.
- EITO, R.; AMESCUA, A. D.
Automation of Quality Reports in the Aerospace Industry, *IEEE TRANSACTIONS ON PROFESSIONAL COMMUNICATION*, Vol. 61, 2018, ESTADOS UNIDOS DE AMERICA.
- FUENTETAJA, R.; BORRAJO, D.; DE LA ROSA, T.E.
Anticipation of goals in automated planning, *AI COMMUNICATIONS*, Vol. 31, Núm. 2, 2018, pp. 117-135, HOLANDA - PAISES BAJOS.
- GARCIA, J.; PADILLA, W.R.
Data Association Methodology to Improve Spatial Predictions in Alternative Marketing Circuits in Ecuador, *Computational Intelligence and Neuroscience*, 2018, ESTADOS UNIDOS DE AMERICA.
- GARCIA, J.; PRIETO, L.; PAJARES, J.; MONTALVO, M.M.; BOADA, M. J. L.
Real-Time Vehicle Roll Angle Estimation Based on Neural Networks in IoT Low-Cost Devices, *SENSORS*, Vol. 18, Núm. 7, 2018, pp. 1-21, SUIZA.
- GARCIA, J.; PRIETO, L.; PAJARES, J.; SANZ, S.; BOADA, B. L.
Design of Low-Cost Vehicle Roll Angle Estimator Based on Kalman Filters and an IoT Architecture, *SENSORS*, Vol. 18, Núm. 6, 2018, SUIZA.
- GARCIA, J.D.; HAMMOND, K.; SCHUBERT, L.
Reengineering for parallelism in heterogeneous parallel platforms, *JOURNAL OF SUPERCOMPUTING*, Vol. 74, Núm. 11, 2018, pp. 5625-5627, ESTADOS UNIDOS DE AMERICA.
- GENOVA, G.; QUINTANILLA, I.
Discovering the Principle of Finality in Computational Machines, *Foundations of Science*, Vol. 23, Núm. 4, 2018, pp. 779-794, HOLANDA - PAISES BAJOS.
- GONZALEZ, J.L.; SOSA, V.; DIAZ, A.; CARRETERO, J.; MARCELÍN, R.
FedIDS: a federated cloud storage architecture and satellite image delivery service for building dependable geospatial platforms, *International Journal of Digital Earth*, Vol. 11, 2018, pp. 730-751, CHINA.
- GONZALEZ, C.; Sanchez-Segura Maria-Isabel; DUGARTE, G.L.; MEDINA, F.
Valence Matters in Judgments of Stock Accumulation in Blood Glucose Control and Other Global Problems, *Journal of Dynamic Decision Making*, Vol. 4, Núm. 3, 2018, pp. 1-18.
- GRIOL, D.; CALLEJAS, Z.
Combining speech-based and linguistic classifiers to recognize emotion in user spoken utterances, *NEUROCOMPUTING*, Vol. 326, 2018, pp. 132-140, HOLANDA - PAISES BAJOS.
- GRIOL, D.; MOLINA, J.M.
Building multi-domain conversational systems from single domain resources, *NEUROCOMPUTING*, Vol. 271, 2018, pp. 59-69, HOLANDA - PAISES BAJOS.

- HERRANZ, E.; GARCIA, J.; AMESCUA, A. D.; LARRUCEA, X.
Gamification for Software Process Improvement. A Practical Approach, *IET Software*, 2018, REINO UNIDO.
- HUY HIEU, P.; KHOUDOR, L.; CROUZIL, A.; ZEGERS, P.; VELASTIN, S.A.
Exploiting deep residual networks for human action recognition from skeletal data, *COMPUTER VISION AND IMAGE UNDERSTANDING*, Vol. 170, 2018, pp. 51-66, ESTADOS UNIDOS DE AMERICA.
- Javier Garcia-Blas; BROWN, C.
High-level programming for heterogeneous and hierarchical parallel systems, *INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS*, Vol. 32, Núm. 6, 2018, pp. 804-806, REINO UNIDO.
- JIMENEZ, J.L.; GONZALEZ, I.; LOPEZ, J. L.
Challenges And Opportunities In Analytic-Predictive Environments Of Big Data And Natural Language Processing For Social Network Rating Systems, *IEEE Latin America Transactions*, Vol. 16, 2018, pp. 592-597, ESTADOS UNIDOS DE AMERICA.
- LINARES, C.
Demonstrations Track of the 25th International Joint Conference on Artificial Intelligence, *AI COMMUNICATIONS*, Vol. 31, Núm. 1, 2018, pp. 1-1, HOLANDA - PAISES BAJOS.
- LUNA, F.; CERVANTES, A.; ISASI, P.; VALENZUELA, J.F.
Grid-enabled evolution strategies for large-scale home care crew scheduling, *Cluster Computing-The Journal of Networks Software Tools and Applications*, Vol. 21, Núm. 2, 2018, pp. 1261-1273, ESTADOS UNIDOS DE AMERICA.
- MARTIN, H.; ENTRENA, L.A.; MARTIN, P.; MORILLA, Y.; PERIS, P.
On the Entropy of Oscillator-Based True Random Number Generators under Ionizing Radiation, *Entropy*, Vol. 20, 2018, SUIZA.
- MARTIN, R.; ALER, R.; GALVAN, I. M.
A filter attribute selection method based on local reliable information, *APPLIED INTELLIGENCE*, Vol. 48, Núm. 1, 2018, pp. 35-45, HOLANDA - PAISES BAJOS.
- MORENO, L.; MARTINEZ, P.; MUGUERZA, J.; ABASCAL, J.
Support resource based on standards for accessible e-Government transactional services, *COMPUTER STANDARDS & INTERFACES*, Vol. 58, 2018, pp. 146-157, HOLANDA - PAISES BAJOS.
- MURTAZA, F.; YOUSAF, M.H.; VELASTIN, S.A.
PMHI: Proposals From Motion History Images for Temporal Segmentation of Long Uncut Videos, *IEEE SIGNAL PROCESSING LETTERS*, Vol. 25, Núm. 2, 2018, pp. 179-183, ESTADOS UNIDOS DE AMERICA.
- NAZIR, S.; YOUSAF, M.H.; NEBEL, J.C.; VELASTIN, S.A.
A Bag of Expression Framework for Improved Human Action Recognition, *PATTERN RECOGNITION LETTERS*, Vol. 103, 2018, pp. 39-45, HOLANDA - PAISES BAJOS.

- ONORATI, T.; DIAZ, M.P.; CARRION, B.
From social networks to emergency operation centers: A semantic visualization approach, *Future Generation Computer Systems-The International Journal of eScience (Future Generation Computer Systems-The International Journal of Grid Comput)*, Vol. 95, 2018, pp. 829-824, HOLANDA - PAISES BAJOS.
- ORTIZ, L.; PICAZO, P.; PERIS, P.; ESTEVEZ-TAPIADOR, J.M.
Heartbeats Do Not Make Good Pseudo-Random Number Generators: An Analysis of the Randomness of Inter-Pulse Intervals, *Entropy*, Vol. 20, Núm. 2, 2018, SUIZA.
- PAJARES, J.; PRIETO, L.; GARCIA, J.; BOADA, B. L.; DIAZ, V.
VEHIOT: Design and Evaluation of an IoT Architecture Based on Low-Cost Devices to Be Embedded in Production Vehicles, *SENSORS*, Vol. 18, Núm. 2, 2018, pp. 486-, SUIZA.
- PERIS, P.; GONZALEZ, L.; Carmen Camara; DE FUENTES, J.M.
Effect of attacker characterization in ECG-based continuous authentication mechanisms for Internet of Things, *Future Generation Computer Systems-The International Journal of eScience (Future Generation Computer Systems-The International Journal of Grid Comput)*, Vol. 81, 2018, pp. 67-77, HOLANDA - PAISES BAJOS.
- QUINTANA, D.; CERVANTES, A.; SAEZ, Y.; ISASI, P.
Internet Use and Psychological Well-Being at Advanced Age: Evidence from the English Longitudinal Study of Aging, *International Journal of Environmental Research and Public Health*, Vol. 15, Núm. 3, 2018, SUIZA.
- QUINTANA, D.; CHAVEZ, F.; LUQUE BAENA, R.M.; LUNA, F.
Fuzzy techniques for IPO underpricing prediction, *JOURNAL OF INTELLIGENT & FUZZY SYSTEMS*, Vol. 35, 2018, pp. 367-381, HOLANDA - PAISES BAJOS.
- QUINTANA, D.; ISASI, P.; NUÑEZ, E.R.; GONZÁLEZ, R.; HERRERA, E.
A recommender system based on implicit feedback for selective dissemination of ebooks, *INFORMATION SCIENCES*, Vol. 467, 2018, pp. 87-98, ESTADOS UNIDOS DE AMERICA.
- REVUELTA, P.; DE LA IGLESIA, E.; ORTIZ ALONSO, T.; RUIZ, M.B.; SANCHEZ, J.M.
Synchronizing EEG, User-Triggered Events and Audio-Visual-Tactile Stimuli for Interactive Event-Related Potentials Experiments, *Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 7, Núm. 11, 2018, pp. 3977-3979.
- RIO, D.D.; DOLZ, M.F.; FERNANDEZ, J.; GARCIA, J.D.
Paving the way towards high-level parallel pattern interfaces for data stream processing, *Future Generation Computer Systems-The International Journal of eScience (Future Generation Computer Systems-The International Journal of Grid Comput)*, Vol. 87, 2018, pp. 228-241, HOLANDA - PAISES BAJOS.
- RIO, D.D.; DOLZ, M.F.; SANCHEZ, L.M.; FERNANDEZ, J.; GARCIA, J.D.
An adaptive offline implementation selector for heterogeneous parallel platforms, *INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS*, Vol. 32, Núm. 6, 2018, pp. 854-863, REINO UNIDO.

- RIO, D.D.; DOLZ, M.F.; SANCHEZ, L.M.; FERNANDEZ, J.; GARCIA, J.D.
An adaptive offline implementation selector for heterogeneous parallel platforms, *INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS*, Vol. 32, Núm. 6, 2018, pp. 854-863, REINO UNIDO.
- RIO, D.D.; DOLZ, M.F.; SANCHEZ, L.M.; GARCIA, J.D.; DANELUTTO, M.; TORQUATI, M.
Finding parallel patterns through static analysis in C plus plus applications, *INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS*, Vol. 32, Núm. 6, 2018, pp. 779-788, REINO UNIDO.
- RIO, D.D.; SOTOMAYOR, R.; SANCHEZ, L.M.; Javier Garcia-Blas; CALDERON, A.; FERNANDEZ, J.
Assessing and discovering parallelism in C ++ code for heterogeneous platforms, *JOURNAL OF SUPERCOMPUTING*, Vol. 74, Núm. 11, 2018, pp. 5674-5689, ESTADOS UNIDOS DE AMERICA.
- SADJADI, E.N.; GARCIA, J.; MOLINA, J.M.; MOGHADDAM, Z.H.
On Approximation Properties of Smooth Fuzzy Models, *International Journal of Fuzzy Systems*, Vol. 20, Núm. 8, 2018, pp. 2657-2667, TAIWAN.
- Sanchez-Segura Maria-Isabel; DUGARTE, G.L.; MEDINA, F.; GARCIA, C.
System dynamics and agent-based modelling to represent intangible process assets characterization, *KYBERNETES*, Vol. 47, Núm. 2, 2018, pp. 289-306, REINO UNIDO.
- Sanchez-Segura Maria-Isabel; HADZIKADIC, M.; DUGARTE, G.L.; MEDINA, F.
Team Formation Using a Systems Thinking Approach, *SYSTEMS RESEARCH AND BEHAVIORAL SCIENCE*, Vol. 35, Núm. 4, 2018, pp. 369-385, REINO UNIDO.
- SEGURA, I.; COLON, C.; TEJEDOR, M.A.; MORO, M.
Predicting of anaphylaxis in big data EMR by exploring machine learning approaches, *JOURNAL OF BIOMEDICAL INFORMATICS*, Vol. 87, 2018, pp. 50-59, ESTADOS UNIDOS DE AMERICA.
- SERRANO-RICO, A.E.; GARCIA, J.; XYDOPOULOS, G.; TARHINI, A.
Analysis of Barriers to the Deployment of Health Information Systems: A Stakeholder Perspective, *INFORMATION SYSTEMS FRONTIERS*, 2018, ESTADOS UNIDOS DE AMERICA.
- TAJADURA-JIMENEZ, A.; DEROY, O.; MARQUARDT, T.; BIANCHI-BERTHOUSSE, N.; ASAI, T.; KIMURA, T.; KITAGAWA, N.
Audio-tactile cues from an object's fall change estimates of one's body height, *PLoS One*, Vol. 13, Núm. 6, 2018, pp. 1-20, ESTADOS UNIDOS DE AMERICA.
- TORRALBA, A.; LINARES, C.; BORRAJO, D.
Symbolic perimeter abstraction heuristics for cost-optimal planning, *ARTIFICIAL INTELLIGENCE*, Vol. 259, 2018, pp. 1-31, HOLANDA - PAISES BAJOS.
- VAGNONI, E.; LEWIS, J.; TAJADURA-JIMENEZ, A.; CARDINI, F.
Listening to a conversation with aggressive content expands the interpersonal space, *PLoS One*, Vol. 13, Núm. 3, 2018, pp. 1-13, ESTADOS UNIDOS DE AMERICA.
- Víctor Suárez-Paniagua; SEGURA, I.

Evaluation of pooling operations in convolutional architectures for drug-drug interaction extraction, *BMC BIOINFORMATICS*, Vol. 19, 2018, REINO UNIDO.

- VILLANUEVA, D.; LAGARES, M.; GOMEZ, J.M.; GONZALEZ, I.
RESyS: Towards a Rule-Based Recommender System based on Semantic Reasoning, *Computación y sistemas*, Vol. 22, Núm. 3, 2018, pp. 809817-817.
- YANG, L.; MACEACHREN, A.M.; MITRA, P.; ONORATI, T.
Visually-Enabled Active Deep Learning for (Geo) Text and Image Classification: A Review, *ISPRS International Journal of Geo-Information*, Vol. 7, Núm. 2, 2018, SUIZA.

Monografías Científicas

- ANGELOV, P.; IGLESIAS, J.A.; CORRALES, J.C.
Advances in Information and Communication Technologies for Adapting Agriculture to Climate Change: Proceedings of the International Conference of ICT for Adapting Agriculture to Climate Change (AACC'17), November 22-24, 2017, Popayán, Colombia, *SPRINGER*, 2018.
- FUENTETAJA, R.; GARCIA, A.; SESMERO, M.P.; IGLESIAS, J.A.; LEDEZMA, A. I.
Advances in Physical Agents Proceedings of the 19th International Workshop of Physical Agents (WAF 2018), November 22-23, 2018, Madrid, Spain, 2018.
- GARCIA, J.; MOLINA, J.M.; BERLANGA, A.; PATRICIO, M. A.; LUIS, A.; PADILLA, W.R.
Ciencia de datos: técnicas analíticas y aprendizaje analítico: en un enfoque práctico, *Altaria*, ESPAÑA, 2018.
- HERNANDEZ, A.; ALVAREZ, J.M.
Special Issue on Educational Applications on the Web of Data: New Trends and Perspectives, *ELSEVIER*, 2018.
- HERNANDEZ, A.; MIRANDA, M.; ALVAREZ, J.M.
Special Issue on scientific programming techniques and algorithms for data-intensive engineering environments, *HINDAWI PUBLISHING CORPORATION*, 2018.
- ZHENG, H.J.; CALLEJAS, Z.; GRIOL, D.; WANG, H.; HU, X.; SCHMIDT, H.; BAUMBACH, J.; DICKERSON, J.; ZHANG, L.
Proceedings: 2018 IEEE International Conference on Bioinformatics and Biomedicine, 3-6 Dec. 2018, Madrid, Spain, *IEEE Computer Society*, 2018.

Colaboraciones en obras colectivas

- DE FUENTES, J.M.; HERNÁNDEZ, L.; RIBAGORDA, A.
Security Protocols for Networks and Internet: A Global Vision, en: Computer and Network Security Essentials, *SPRINGER*, pp. 135-151, 2018.
- GARCIA, J.; MOLINA, J.M.; BERLANGA, A.; PATRICIO, M. A.
Data Fusion, en: Encyclopedia of Big Data Technologies, (Living edition), *SPRINGER*, 2018.

- GENOVA, G.
La materia y el espíritu no son cosas, sino aspectos, en: Ideas sobre La ciencia en el horizonte de una razón ampliada, de Rafael Jordana, IDEAS Y LIBROS EDICIONES, ESPAÑA, pp. 163-172, 2018.
- GENOVA, G.
Ética y comportamiento programado, en: Ideas sobre Inteligencia artificial, ¿conciencia artificial? de Natalia López Moratalla, IDEAS Y LIBROS EDICIONES, ESPAÑA, pp. 109-124, 2018.
- GENOVA, G.
¿Puede ser libre un robot?, en: ¿Quiénes somos? Cuestiones en torno al ser humano, EUNSA, ESPAÑA, pp. 178-183, 2018.
- GRIOL, D.; CALLEJAS, Z.
Increasing the Role of Data Analytics in m-Learning Conversational Applications, en: SOFTWARE DATA ENGINEERING FOR NETWORK ELEARNING ENVIRONMENTS: ANALYTICS AND AWARENESS LEARNING SERVICES, pp. 93-113, 2018.
- QUINTANILLA, I.; GENOVA, G.
Who Can Lie to a Robot? Roboethics and the Categorical Imperative, en: Artificial intelligences: Essays on inorganic and non-biological systems, Global Knowledge Academics, pp. 53-70, 2018.
- TAJADURA-JIMENEZ, A.; VÄLJAMÄE, A.; BEVILACQUA, F.; BIANCHI-BERTHOUSSE, N.
Principles for Designing Body-Centered Auditory Feedback, en: Wiley Handbook of Human-Computer Interaction, WILEY, pp. 371-404, 2018.

Ponencias y Comunicaciones a congresos

- AMESCUA, A. D.; HERRAEZ, A.
Proceso unificado de generación y validación de e-documentos, XIII JORNADAS CERES, ESPAÑA, 2018.
- BANDERA, A.; BANDERA, J.P.; BUSTOS, P.; FERNANDEZ, F.; GARCIA, A.; GARCIA, F.J.; GARCIA, I.; MANSO, L.J.; MARFIL, R.; MARTINEZ, J.; NUÑEZ, P.; PEREZ, J.M.; RECHE, P.; ROMERO, C.; VIVIANA, R.
LifeBots I: Building the software infrastructure for supporting lifelong technologies; en: ROBOT 2017: Third Iberian Robotics Conference, SPRINGER, 2018.
- BELLUCCI, A.; RUIZ, A.; DIAZ, M.P.; AEDO, I.
Investigating augmented reality support for novice users in circuit prototyping; en: AVI '18 Proceedings of the 2018 International Conference on Advanced Visual Interfaces, Association for Computing Machinery (ACM), 2018.
- CAINES, A.; PASTRANA, S.; HUTCHINGS, A.; BUTTERY, P.
Aggressive language in an online hacking forum; en: Proceedings of the Second Workshop on Abusive Language Online (ALW2), Association for Computational Linguistic, 2018.
- CARRION, B.; ONORATI, T.; DIAZ, M.P.
Designing a Semi-automatic Taxonomy Generation Tool; en: 2018 22nd International Conference Information Visualisation (IV), IEEE Computer Society, 2018.

- CUADRADO, F.; LOPEZ, I.; TAJADURA-JIMENEZ, A.; VARONA, D.
"Touch the Sound": Tangible Interface for Children Music Learning and Sound Experimentation; en: Proceedings of the 144th International Pro Audio Convention, 2018 May 23-26, Milan, Italy. Convention paper 9948, AUDIO ENGINEERING SOCIETY, INC., 2018.
- DIAZ, M.; GARCIA, A.; CORTES, S.; MATHEUS, C.A.
DAD: A collaborative platform to encourage learning through creativity and dialogue; en: EDULEARN18 Proceedings, IATED,, 2018.
- DIAZ, M.P.; ONORATI, T.; ROMANO, M.
Designing Affordable Technologies to Integrate Citizens in Early Warning Activities; en: Multidisciplinary Digital Publishing Institute Proceedings, MDPI AG, 2018.
- DIGNUM, V.; BALDONI, M.; BAROGLIO, C.; CAON, M.; CHATILA, R.; DENNIS, L.; GENOVA, G.; HAIM, G.; KLIEB, M.S.; LOPEZ, M.; MICALIZIO, R.; PAVON, J.; SLAVKOVIK, M.; SMAKMAN, M.; VAN STEENBERGEN, M.; TEDESCHI, S.; VAN DER TORRE, L.; VILLATA, S.; DE WILDT, T.
Ethics by Design: necessity or curse?; en: AIES '18, Proceedings of the 2018 AAAI/ACM Conference on AI, Ethics, and Society, Association for Computing Machinery (ACM), 2018.
- FABIANO, F.; SANCHEZ-FRANCISCO, M.; DIAZ, M.P.; AEDO, I.
Evaluating a pervasive game for urban awareness; en: Proceedings of the 20th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, Association for Computing Machinery (ACM), 2018.
- FERNANDEZ, J.; DOLZ, M.F.; RIO, D.D.; PRIETO, J.; GARCIA, J.D.
Supporting MPI-distributed stream parallel patterns in GrPPI; en: EuroMPI'18 Proceedings of the 25th European MPI Users' Group Meeting Article No. 17, Association for Computing Machinery (ACM), 2018.
- FERNANDEZ, P.; RIO, D.D.; DOLZ, M.F.; FERNANDEZ, J.; AWILE, O.; GARCIA, J.D.
Parallelizing and optimizing LHC-B-Kalman for Intel Xeon Phi Knl processors; en: Proceedings of the 26th Euromicro International Conference on Parallel, Distributed, and Network-Based Processing (PDP 2018), IEEE Computer Society, 2018.
- FUENTETAJA, R.; BARLEY, M.; BORRAJO, D.; DOUGLAS, J.; FRANCO, S.; RIDDLE, P.
Meta-Search Through the Space of Representations and Heuristics on a Problem by Problem Basis; en: Proceedings of the Thirty-Second American Association for Artificial Intelligence Conference on Artificial Intelligence. AAAI 2018, AAAI Press. Association for the Advancement of Artificial Intelligence, ESTADOS UNIDOS DE AMERICA, 2018.
- GAMBA, J.; AHMED FAHIM, M.; RAZAGHPANAH, A.; VALLINA, N.; ESTEVEZ-TAPIADOR, J.M.
An Analysis of Pre-installed Android Software; en: Actas de las Cuartas Jornadas Nacionales de Investigación en Ciberseguridad, Donostia-San Sebastián, Gipuzkoa, 13-15 de Junio, MONDRAGON GOI ESKOLA POLITEKNIKO, 2018.
- GARCIA, A.; GARCIA, I.; MATHEUS, C.A.; DIAZ, M.V.
Mobile Devices, a Complement to Television. Case Studies; en: Applications and Usability of Interactive Television 6th Iberoamerican Conference, jAUTI 2017, Aveiro, Portugal, October 12-13, 2017, Revised

Selected Papers, SPRINGER, 2018.

- GARCIA, J.; MOLINA, J.M.
Analysis of Sensor Fusion Solutions for UAV Platfoms; en: XVIII Conferencia de la Asociación Española para la Inteligencia Artificial., 2018.
- GARCIA-CARBALLEIRA, F.; CARRETERO, J.; GARCÍA, F.J.; VASILE, M.
A Tool to Provide Advanced Secure Exchange of Electronic Documents through Europe, ICCSS 2018: 20th International Conference on Cybernetics of the Security Systems, PRAGA, REPUBLICA CHECA, 2018.
- GENOVA, G.; QUINTANILLA, I.
Computational machines, free will and human reason; en: XVIII Conferencia de la Asociación Española para la Inteligencia Artificial (CAEPIA 2018), 23-26 de octubre de 2018, Granada, España., 2018.
- GONZALEZ, J.C.; VELOSO, M.; FERNANDEZ, F.
Task Monitoring and Rescheduling for Opportunity and Failure Management; en: IntEx 2018: Proceedings of the 2nd Workshop on Integrated Planning, Acting, and Execution, ICAPS, 2018.
- GONZALEZ-TABLAS, A. I.; GONZALEZ, M.I.
Aprendiendo en la sobremesa: Crypto Go, un juego de cartas para dominar la criptografía simétrica; en: Vídeo de la presentación: <https://tv.urjc.es/video/5c112edcd68b14346b8b4606>, UNIVERSIDAD REY JUAN CARLOS., 2018.
- GONZALEZ-TABLAS, A. I.; GONZALEZ, M.I.
"Crypto Go": criptografía simétrica en tapete verde; en: Actas de las Cuartas Jornadas Nacionales de Investigación en Ciberseguridad, Servicio Editorial de Mondragon Unibertsitatea., 2018.
- IGLESIAS, J.A.; LEDEZMA, A. I.; SANCHIS DE, M.A.
Opponent Modeling in RoboCup Soccer Simulation; en: Advances in Physical Agents Proceedings of the 19th International Workshop of Physical Agents (WAF 2018), November 22-23, 2018, Madrid, Spain, SPRINGER., 2018.
- KRENC, K.; NIMIER, V.; REIN, K.; SNIDARO, L.; BIERMANN, J.; GARCIA, J.
From Situation Awareness to Intelligence: Increasing Complexity in Fusion Models for Sense-Making; en: 2018 International Conference on Military Communications and Information Systems (ICMCIS), IEEE Computer Society, 2018.
- KUUSK, K.; VÄLJAMÄE, A.; TAJADURA-JIMENEZ, A.
Magic lining: an exploration of smart textiles altering people's self-perception; en: MOCO '18, Proceedings of the 5th International Conference on Movement and Computing, Association for Computing Machinery (ACM), 2018.
- LADO, N.R.; CEBALLOS, M.; GARCIA, A.
Owned media in Twitter of multinational firms: ¿To centralize or to decentralize?, Global Marketing Conference: Bridging Asia and the World: Searching for Academic Excellence and Best Practice in Marketing and Management, Tokio, JAPON, 2018.
- LOPEZ, J. L.; RUIZ, M.B.; GONZALEZ, I.; HERNANDEZ, C.M.; SANCHEZ, L.M.

Himera: Herramienta de accesibilidad en aulas; en: IV Congreso Internacional Universidad y Discapacidad: Libro de actas: La universidad, motor de cambio para la inclusión, ONCE., 2018.

- LOPEZ, J.L.; GONZALEZ, I.; LOPEZ, J. L.; RUIZ, M.B.
Recommendation system based on collaborative intelligence for the representation of knowledge in people with visual disabilities, ESPAÑA, 2018.
- LUCIA, M.J.; LOPEZ, J. L.; RUIZ, M.B.; GONZALEZ, I.
State of Art of Speech-to-Text technologies and its application on accessible subtitle creation, 2nd Global Conference on Applied Physics Mathematics & Computing, ESPAÑA, 2018.
- MARTINEZ, J.; ROMERO, A.; SUÁREZ, C.; MARFIL, R.; LAN HING TING, K.; IGLESIAS, J.A.; GARCIA, J.; FERNANDEZ, F.; DUEÑAS, A.; CALDERITA, L.V.; BANDERA, A.; BANDERA, J.P.
Towards a robust robotic assistant for Comprehensive Geriatric Assessment procedures: updating the CLARC system; en: Proceedings of the 27th IEEE International Symposium on Robot and Human Interactive Communication, Nanjing, China, August 27-31, 2018, IEEE Computer Society, 2018.
- MIÑANO, R.; GENOVA, G.; ROMAN, S.; PORTILLO, E.
Reflexión sobre el papel de las asignaturas relativas a aspectos éticos, sociales, legales y profesionales en los grados de ingenierías informáticas; en: Actas de las Jornadas sobre Enseñanza Universitaria de la Informática, AENUI, Asociación de Enseñantes Universitarios de la Informática., 2018.
- MORENO, L.; VALENCIA, X.; PÉREZ, J.E.; ARRUE, M.
Exploring the Web navigation strategies of people with low vision; en: Interacción 2018 Proceedings of the XIX International Conference on Human Computer Interaction, Association for Computing Machinery (ACM), 2018.
- MURTAZA, F.; YOUSAF, H.M.; VELASTIN, S.A.
DA-VLAD: DISCRIMINATIVE ACTION VECTOR OF LOCALLY AGGREGATED DESCRIPTORS FOR ACTION RECOGNITION, GRECIA, 2018.
- NAZIR, S.; YOUSAF, M.H.; VELASTIN, S.A.
Feature Similarity and Frequency-Based Weighted Visual Words Codebook Learning Scheme for Human Action Recognition; en:., 2018.
- ONORATI, T.; DIAZ, M.P.; ZARRAONANDIA, T. A.; AEDO, I.
The Immersive Bubble Chart: a Semantic and Virtual Reality Visualization for Big Data; en: The 31st Annual ACM Symposium on User Interface Software and Technology Adjunct Proceedings, Association for Computing Machinery (ACM), 2018.
- OSSORIO, A.; ONORATI, T.; DIAZ, M.P.
Quality Assessment of Social Media: Lessons Learnt from the Literature; en: 2018 22nd International Conference Information Visualisation (IV), IEEE Computer Society, 2018.
- PADILLA, W.R.; GARCIA, J.; MOLINA, J.M.
Information Fusion and Machine Learning in Spatial Prediction for local agricultural markets, International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'18), TOLEDO, ESPAÑA, 2018.

- PADILLA, W.R.; GARCIA, J.; MOLINA, J.M.
Model Learning and Spatial Data Fusion for Predicting Sales in Local Agricultural Markets; en: 21st International Conference on Information Fusion (FUSION) Date of Conference: 10-13 July 2018, IEEE Computer Society, 2018.
- PADILLA, W.R.; GARCIA, J.; MOLINA, J.M.
Improving forecasting using Information Fusion in local agricultural markets; en: Hybrid Artificial Intelligent Systems 13th International Conference, HAIS 2018, Oviedo, Spain, June 20-22, 2018, Proceedings, SPRINGER,, 2018.
- PAJARES, J.; PRIETO, L.; MONTALVO, M.M.; GARCIA, J.; SANZ, S.; BOADA, M. J. L.; BOADA, B. L.
VEHIOT: evaluation of smartphones as data acquisition systems to reduce risk situations in commercial vehicles; en: 2018 IEEE International Conference on Vehicular Electronics and Safety (ICVES), IEEE Computer Society,, 2018.
- PARRA, E.; VARA, J.L.; ALONSO, L.
Analysis of requirements quality evolution; en: Proceedings of the 40th International Conference on Software Engineering: Companion Proceedings, ICSE 2018, Association for Computing Machinery (ACM), 2018.
- POZANCO, A.; BLANCO, A.; Yolanda E-Martín; FERNANDEZ, S.; BORRAJO, D.
Counterplanning in Real-Time Strategy Games through Goal Recognition; en:, 2018.
- POZANCO, A.; BLANCO, A.; Yolanda E-Martín; FERNANDEZ, S.; BORRAJO, D.
Counterplanning using Goal Recognition and Landmarks; en: ICAPS Proceedings of the 6th Workshop on Distributed and Multi-Agent Planning (DMAP-2018), ICAPS, 2018.
- POZANCO, A.; FERNANDEZ, S.; BORRAJO, D.
Distributed Planning and Model Learning for Urban Traffic Control; en: KEPS 2018: Proceedings of the Workshop on Knowledge Engineering for Planning and Scheduling, ICAPS, 2018.
- POZANCO, A.; Yolanda E-Martín; FERNANDEZ, S.; BORRAJO, D.
Counterplanning using Goal Recognition and Landmarks; en: Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI-18), International Joint Conferences on Artificial Intelligence, 2018.
- PULIDO, J.C.; FUNKE, R.; GARCIA, J.; SMITH, B.A.; MATARIC, M.
Adaptation of the Difficulty Level in an Infant-Robot Movement Contingency Study; en: Advances in Physical Agents. WAF 2018, SPRINGER,, 2018.
- QBILAT, M.; ANA IGLESIAS
Accessibility Guidelines for Tactile Displays in Human-Robot Interaction. A Comparative Study and Proposal; en: Computers Helping People with Special Needs 16th International Conference, ICCHP 2018, Linz, Austria, July 11-13, 2018, Proceedings, Part II, SPRINGER, 2018.
- REYES, H.G.; GONZÁLEZ, J.L.; MORALES, M.; CARRETERO, J.
A data integrity verification service for cloud storage based on building blocks, 8th International Conference on Computer Science and Information Technology (CSIT), 2018.

- RIO, D.D.; DOLZ, M.F.; FERNANDEZ, J.; GARCIA, J.D.
Supporting Advanced Patterns in GrPPI, a Generic Parallel Pattern Interface; en: Euro-Par 2017: Parallel Processing Workshops, Springer LNCS., 2018.
- RIVERA, R.; MARTINEZ, P.; SEGURA, I.
A Hybrid Bi-LSTM-CRF model for Knowledge Recognition from eHealth documents; en: Proceedings of TASS 2018: Workshop on Semantic Analysis at SEPLN., 2018.
- RIVERA, R.; MARTINEZ, P.; SEGURA, I.
A Hybrid Bi-LSTM-CRF Model to Recognition of Disabilities from Biomedical Texts.; en: Proceedings of the Third Workshop on Evaluation of Human Language Technologies for Iberian Languages (IberEval 2018)., 2018.
- RODRIGUEZ, J.; DIAZ, M.; GARCIA, A.
Universal Design Media: a new approach to use closed caption and description in teaching reading skills to hispanic students with sensory disabilities; en: EDULEARN18 Proceedings, IATED., 2018.
- ROMANO, M.; DIAZ, M.P.; AEDO, I.
A gamified platform for civic engagement in early warning; en: Interacción 2018 Proceedings of the XIX International Conference on Human Computer Interaction, Association for Computing Machinery (ACM), 2018.
- RUIZ, M.B.
La empresa accesible: entorno, productos y servicios para todos, 2º Jornada sobre Empleo y Discapacidad: propuestas desde la acción, *MADRID*, ESPAÑA, 2007.
- SANCHEZ, D.D.; GONZÁLEZ, J.L.; ALVARADO, S.; SOSA, V.J.; VARGAS, J.; CARRETERO, J.
A containerized service for clustering and categorization of weather records in the cloud, 8th International Conference on Computer Science and Information Technology (CSIT), 2018.
- SANCHEZ, N.; MARTI, L.; MOLINA, J.M.
Applying VorEAI for IoT Intrusion Detection; en: Hybrid Artificial Intelligence Systems 13th International Conference, HAIS 2018 Oviedo, Spain, June 20& 22, 2018 Proceedings, SPRINGER., 2018.
- SANCHEZ-FRANCISCO, M.; DIAZ, M.P.; AEDO, I.
Improving urban environment awareness through pervasive AR games; en: Proceedings of the 2018 International Conference on Advanced Visual Interfaces, Association for Computing Machinery (ACM), 2018.
- Sanchez-Segura Maria-Isabel; DUGARTE, G.L.; MEDINA, F.
System Dynamics and Agents-based simulation as tools for characterizing Intangible Assets in Organizations; en: Cybernetics and Systems: Social and Business Decisions, ROUTLEDGE, 2018.
- Sanchez-Segura Maria-Isabel; HADZIKADIC, M.; MEDINA, F.; DUGARTE, G.L.
Inter, Intra, and Multi-Disciplinary Teams That Really Succeed; en: ITALIA, 2018.
- SANTOS, A.J.; ZARRAONANDIA, T. A.; DIAZ, M.P.; AEDO, I.

A Virtual Reality Map Interface for Geographical Information Systems; en: AVI '18 Proceedings of the 2018 International Conference on Advanced Visual Interfaces, Article No. 83, Association for Computing Machinery (ACM), 2018.

- SANTOS, A.J.; ZARRAONANDIA, T. A.; DIAZ, M.P.; AEDO, I.
Exploring Interaction Mechanisms for Map Interfaces in Virtual Reality Environments; en: Interacción 2018, Proceedings of the XIX International Conference on Human Computer Interaction, Association for Computing Machinery (ACM), 2018.
- SEGURA, I.
LABDA's Early Steps Toward Multimodal Stance Detection; en: Proceedings of the Third Workshop on Evaluation of Human Language Technologies for Iberian Languages (IberEval 2018), 2018.
- SERRANO, E.; Javier Garcia-Blas; CARRETERO, J.
A cloud environment for ubiquitous medical image reconstruction; en: 2018.
- SESMERO, M.P.; ALONSO, J. M.; GIULIANI, A.; ARMANO, G.; SANCHIS DE, M.A.
Measuring Diversity and Accuracy in ANN Ensembles; en: Advances in Artificial Intelligence 18th Conference of the Spanish Association for Artificial Intelligence, CAEPIA 2018, Granada, Spain, October 23& 26, 2018, Proceedings, SPRINGER, 2018.
- SIPELE, B.U.O.; ZAMORA, V.M.; LEDEZMA, A. I.; SANCHIS DE, M.A.
Advanced Driver's Alarms System through Multi-agent Paradigm Driver's Driver's Drivers; en: 2018 3rd IEEE International Conference on Intelligent Transportation Engineering (ICITE 2018), IEEE Computer Society, 2018.
- TAJADURA-JIMENEZ, A.; CUADRADO, F.; RICK, P.; BIANCHI-BERTHOUSSE, N.; SINGH, A.; VÄLJAMÄE, A.; BEVILACQUA, F.
Designing a gesture-sound wearable system to motivate physical activity by altering body perception; en: MOCO'18, Proceedings of the 5th International Conference on Movement and Computing, Association for Computing Machinery (ACM), 2018.
- TORRES, R.; LUDWIG, T.; KUNKEL, J.M.; DOLZ, M.F.
Comparison of Clang Abstract Syntax Trees using String Kernels, International Conference on High Performance Computing & Simulation (HPCS), France (European Territory) (NO USAR. UTILIZAR EL 250), 2018.
- VARA, J.L.; RUIZ, A.; ESPINOZA, H.
Recent Advances towards the Industrial Application of Model-Driven Engineering for Assurance of Safety-Critical Systems, 6th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2018), FUNCHAL, PORTUGAL, 2018.
- VELASTIN, S.A.; HUY HIEU, P.; KHOUDOUR, L.; CROUZIL, A.; ZEGERS, P.
SKELETAL MOVEMENT TO COLOR MAP: A NOVEL REPRESENTATION FOR 3D ACTION RECOGNITION WITH INCEPTION RESIDUAL NETWORKS; en: 2018.
- Víctor Suárez-Paniagua; SEGURA, I.; AIZAWA, A.
UC3M-NII Team at SemEval-2018 Task 7: Semantic Relation Classification in Scientific Papers via Convolutional Neural Network; en: Proceedings of The 12th International Workshop on Semantic Evaluation, Association for Computational Linguistic, 2018.

- Víctor Suárez-Paniagua; SEGURA, I.; MARTINEZ, P.
LABDA at TASS-2018 Task 3: Convolutional Neural Networks for Relation Classification in Spanish eHealth documents; en: Proceedings of the Third Workshop on Evaluation of Human Language Technologies for Iberian Languages (IberEval 2018)., 2018.
- VO, A.V.; KONDA, N.; CHAUHAN, N.; ALJUMAILY, H.T.A.; LAEFER, D.F.
Lessons learned with laser scanning point cloud management in Hadoop HBase; en: Advanced Computing Strategies for Engineering 25th EG-ICE International Workshop 2018, Lausanne, Switzerland, June 10-13, 2018, Proceedings, Part I, SPRINGER, 2018.
- VOILMY, D.; SUAREZ, C.; ROMERO, A.; REUTHER, C.; PULIDO, J.C.; MARFIL, R.; MANSO, L.J.; LAN HING TING, K.; ANA IGLESIAS; GONZALEZ, J.C.; GARCIA, J.; GARCIA, A.; FUENTETAJA, R.; FERNANDEZ, F.; DUEÑAS, A.; CALDERITA, L.V.; BARILE, T.; BANDERA, J.P.; BANDERA, A.
CLARC: A Cognitive Robot for Helping Geriatric Doctors in Real Scenarios; en: ROBOT 2017: Third Iberian Robotics Conference, SPRINGER., 2018.
- WANG, H.; LIU, Z.; LIANG, J.; VALLINA, N.; GUO, Y.; LI, L.; ESTEVEZ-TAPIADOR, J.M.; CAO, J.; XU, G.
Beyond Google Play: A Large-Scale Comparative Study of Chinese Android App Markets; en: IMC '18, Proceedings of the Internet Measurement Conference 2018, Association for Computing Machinery (ACM), 2018.
- ZARRAONANDIA, T. A.; GILLIAN, E.
The Utility of the GREM Model in Designing an Empirically Researched e-Learning Tool, 12th European Conference on Games Based Learning (ECGBL), France (European Territory) (NO USAR. UTILIZAR EL 250), 2018.

Propiedad Industrial/intelectual

- *Inventores*: BAEZA, A.; GONZALEZ, F.J.; LOPEZ, J. L.; RUIZ, M.B.; GONZALEZ, I.
Blappy, Chat Bluetooth Accesible
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-002882-2018**
Fecha Solicitud: 26/04/2018
- *Inventores*: DIAZ, V.; SAN ROMAN, J.L.; GARCIA, J.; SANZ, S.; OLMEDA, E.; GOMEZ, A.M.; SANTOS, S.
fBrake - TT
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-003562-2018**
Fecha Solicitud: 28/05/2018
- *Inventores*: DIAZ, V.; SAN ROMAN, J.L.; GARCIA, J.; SANZ, S.; OLMEDA, E.; GOMEZ, A.M.; SANTOS, S.
fBrake - Turismos
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-003563-2018**

Fecha Solicitud: 28/05/2018

- *Inventores:* DOMINGUEZ, R.; MUÑOZ, A.; SAVOINI, B.; RUIZ, M.B.
Sistema modular de representación de topologías de red para invidentes
Tipo: PATENTE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **P201830545**
Fecha Solicitud: 05/06/2018
Países: ESPAÑA
- *Inventores:* GARCIA, A.; MATHEUS, C.A.
Generador de nodos para realizar filtros de gráficos y visualización
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-004928/2018**
Fecha Solicitud: 19/07/2018
- *Inventores:* GONZALEZ-TABLAS, A. I.; GONZALEZ, M.I.
Crypto Go - Español
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-007286/2018**
Fecha Solicitud: 29/10/2018
- *Inventores:* GONZALEZ-TABLAS, A. I.; GONZALEZ, M.I.
Crypto Go - English
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-007288/2018**
Fecha Solicitud: 29/10/2018
- *Inventores:* PUENTE, L.A.; GONZALEZ, F.J.; CARRERO, J.M.; LOPEZ, J. L.; RUIZ, M.B.; GONZALEZ, I.
Mercurio
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Solicitud: **M-002883-2018**
Fecha Solicitud: 26/04/2018
- *Inventores:* PUENTE, L.A.; RUIZ, M.B.; SANCHEZ, J.M.; GONZALEZ, I.
AccEvent
Tipo: PROTECCIÓN DE SOFTWARE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Registro: **16/2018/3327**
Fecha Solicitud: 15/01/2018

Actividades de cooperación internacional

Acciones integradas y bilaterales

- IGLESIAS, J.A.
APREN-Bots 2.0: Socialización de la micro-robótica como herramienta pedagógica de amplio espectro, *Universidad Nacional Autónoma de Nicaragua, Managua (UNAM-Managua)*. Duración: de 2018 a 2018.
Descripción:

Actividades de formación y movilidad de personal investigador

Estancias en otros centros

- ANA TAJADURA JIMENEZ
Título: Estancia/Residencia para proyecto en colaboración arte-ciencia financiado por EU H2020 STARTS (Science, Technology, and the ARTS) <http://vertigo.starts.eu/residencies-program/>
Investigador Externo: KUUSK, K, VÄLJAMÄE, A.
Centro Externo: Estonian Academy of Arts, Tallinn, Estonia; Human Computer Interaction Group, Tallinn University
País: ESTONIA
Duración: 16/05/2018 a 29/05/2018.
- ANA TAJADURA JIMENEZ
Título: Estancia de investigación financiada por Ayuda Ramón y Cajal - MINECO
Investigador Externo: CRUCIANELLI, L, SÁNCHEZ, M.
Centro Externo: Universidad Loyola Andalucía
País: ESPAÑA
Duración: 09/02/2018 a 09/03/2018.
- ANDREA BELLUCCI
Título: Estancia post-doctoral
Centro Externo: Ryerson University
País: CANADA
Duración: 01/05/2018 a 01/09/2018.
- JOSE CARLOS PULIDO PASCUAL
Título: The goal is to design a study that expands our understanding of infant robot interaction. First, we will take a deeper dive into the initial pilot study to better understand infant attention of humanoid robots. This pilot study shows that infants visually give their attention to the robot while it is moving and the behavioral state of the infant is more focused when the robot is moving. The infant also provides visual attention to the part of the robot that is moving. Past work in this field shows that infants are able to learn to move their legs to receive a contingent reward. In this study, we want to use the robot's movement as a contingent reward. We also want to see if the infant will mimic the robot's movement over time
Centro Externo: University of Southern California
País: ESTADOS UNIDOS DE AMERICA
Duración: 28/02/2018 a 28/06/2018.
- MONICA SANCHEZ DE FRANCISCO
Título: Aproximación a las herramientas utilizadas para el desarrollo de investigaciones dentro de "Digital Civics" en un contexto social, de HCI y de computación ubicua
Realización de la estancia de doctorado en una universidad europea para la obtención del título de doctor internacional
Centro Externo: Universidad de Newcastle
País: REINO UNIDO
Duración: 01/05/2018 a 30/07/2018.

- **YAGO SAEZ ACHAERANDIO**
Título: Estancia de colaboración y apoyo al Prof. Paul Milgrom en la elaboración de estrategias robustas e inteligentes para la subasta 903 de la FCC. Mantener y reactivar contacto con otros profesores de Universidades extranjeras.
Centro Externo: Universidad de Stanford
País: ESTADOS UNIDOS DE AMERICA
Duración: 11/07/2018 a 20/08/2018.