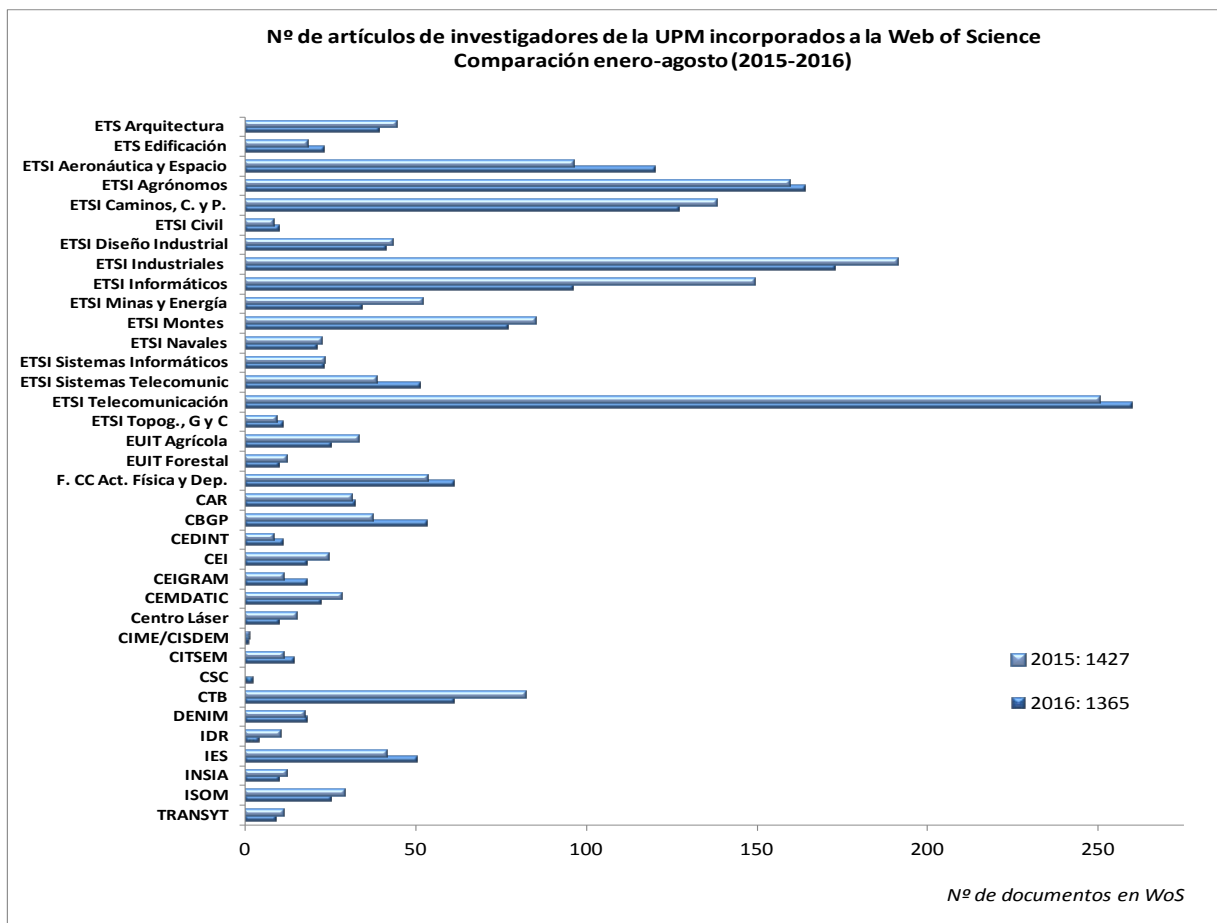


## Seguimiento de la producción científica UPM en la Web of Science

La **Web Of Science** (WOS) es una plataforma de la empresa Thomson Reuters basada en tecnología web y formada por una amplia colección de bases de datos bibliográficas, citas y referencias de publicaciones científicas de cualquier disciplina del conocimiento –científico, tecnológico, humanístico y sociológico– desde 1945.

Hasta enero de 2014 esta plataforma era conocida como “Web of Knowledge” pero, tras su actualización en esa fecha, Thomson Reuters decidió renombrarla y pasó a llamarse **Web of Science**. A su vez, la base de datos que hasta entonces se llamaba “Web of Science” pasó a llamarse **Web of Science Core Collection** que es la que se utiliza para hacer el seguimiento de la producción científica de la UPM.

En el gráfico siguiente se presenta la comparativa 2015-2016 de los documentos de investigación de la Universidad Politécnica de Madrid (UPM) dados de alta en la Web of Science (WoS) acumulados hasta el mes actual. Hay que señalar que la fecha que se considera en relación con cada artículo no se refiere a la fecha de publicación del mismo sino a la de su incorporación a la base de datos de la WoS.



## Documentos de investigación de la UPM incorporados a la Web of Science

[ETS Arquitectura](#)  
[ETS Edificación](#)  
[ETSI Aeronáutica y del Espacio](#)  
[ETSI Agronómica, Alimentaria y de Biosistemas](#)  
[ETSI Agrónomos](#)  
[ETSI Caminos, Canales y Puertos](#)  
[ETSI Civil](#)  
[ETSI Diseño Industrial](#)  
[ETSI Industriales](#)  
[ETSI Informáticos](#)  
[ETSI Minas y Energía](#)  
[ETSI Montes, Forestal y del Medio Natural](#)  
[ETSI Montes](#)  
[ETSI Navales](#)  
[ETSI Sistemas Informáticos](#)  
[ETSI Sistemas Telecomunicación](#)  
[ETSI Telecomunicación](#)  
[ETSI Topografía, Geodesia y Cartografía](#)  
[EUIT Agrícola](#)  
[EUIT Forestal](#)  
[Facultad CC Actividad Física y Deportiva \(INEF\)](#)

### Centros de I+D+i

[CAR](#)  
[CBG](#)  
[CEDINT](#)  
[CEI](#)  
[CEIGRAM](#)  
[CEMDATIC](#)  
[Centro Láser](#)  
[CIME](#)  
[CITSEM](#)  
[CTB](#)  
[CSC](#)  
[TRANSYT](#)

### Institutos de I+D+i

[DENIM](#)  
[IDR](#)  
[IES](#)  
[INSIA](#)  
[ISOM](#)

## ETS Arquitectura

### [Anhydrite/aerogel composites for thermal insulation](#)-Q1

Sanz-Pont, D; Sanz-Arauz, D; Bedoya-Frutos, C; Flatt, RJ; Lopez-Andres, S

MATERIALS AND STRUCTURES, 49 (9):3647-3661; 10.1617/s11527-015-0746-8 SEP 2016

### [Inverse problem for Lagrangian systems on Lie algebroids and applications to reduction by symmetries](#)-Q2

Barbero-Linan, M; Puiggali, MF; de Diego, DM

MONATSFESTE FÜR MATHEMATIK, 180 (4):665-691; 10.1007/s00605-016-0893-1 AUG 2016

### [Global relativistic folding optical potential and the relativistic Green's function model](#)-Q2

Ivanov, MV; Vignote, JR; Alvarez-Rodriguez, R; Meucci, A; Giusti, C; Udias, JM

PHYSICAL REVIEW C, 94 (1):10.1103/PhysRevC.94.014608 JUL 14 2016

### [Novel educational assessment for building structures: Automatic evaluation of on-line graphics](#)-

Aznar, A; Hernando, JI

INTERNATIONAL EDUCATIONAL TECHNOLOGY CONFERENCE, IETC 2014, 176 602-609; 10.1016/j.sbspro.2015.01.516 2015

### [A 4D GIS methodology to study variations in evaporation points on a heritage building](#) – Q2

Lopez-Gonzalez, L; de Cosca, RO; Gomez-Heras, M; Garcia-Morales, S

ENVIRONMENTAL EARTH SCIENCES, 75 (14):10.1007/s12665-016-5907-8 JUL 2016

[Subir](#)

## ETSI Aeronáutica y del Espacio

### [Simplified elements for wind-tunnel measurements with type-III-terrain atmospheric boundary layer-Q2](#)

De Paepe, W; Pindado, S; Bram, S; Contino, F

MEASUREMENT, 91 590-600; 10.1016/j.measurement.2016.05.078 SEP 2016

### [Influence of graphene nanoplatelets on curing and mechanical properties of graphene/epoxy nanocomposites-Q2](#)

Prolongo, MG; Salom, C; Arribas, C; Sanchez-Cabezudo, M; Masegosa, RM; Prolongo, SG

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 125 (2):629-636; 10.1007/s10973-015-5162-3 AUG 2016

### [A note on the dual consistency of the discrete adjoint quasi-one-dimensional Euler equations with cell-centered and cell-vertex central discretizations-Q2](#)

Lozano, C

COMPUTERS & FLUIDS, 134 51-60; 10.1016/j.compfluid.2016.05.012 AUG 1 2016

### [Generation and characterization of warm dense matter isochorically heated by laser-induced relativistic electrons in a wire target-Q1](#)

Schonlein, A; Boutoux, G; Pikuz, S; Antonelli, L; Batani, D; Debayle, A; Franz, A; Giuffrida, L; Honrubia, JJ; Jacoby, J; Khaghani, D; Neumayer, P; Rosmej, ON; Sakaki, T; Santos, JJ; Sauteray, A

EPL, 114 (4):10.1209/0295-5075/114/45002 MAY 2016

### [Damage detection in aerostructures from strain measurements-Q3](#)

Sierra-Perez, J; Guemes, A

AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, 88 (3):441-451; 10.1108/AEAT-11-2013-0210 2016

[HIGH FROUDE NUMBER VISCOUS FLOW PAST A CIRCULAR CYLINDER-](#)

Bouscasse, B; Colagrossi, A; Marrone, S; Souto-Iglesias, A

PROCEEDINGS OF THE ASME 34TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2015, VOL 2, 2015

[Stability and chaos in Kustaanheimo-Stiefel space induced by the Hopf fibration – Q1](#)

Roa, J; Urrutxua, H; Pelaez, J

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, 459 (3):2444-2454;  
10.1093/mnras/stw780 JUL 1 2016

[AN IMPLICIT HARMONIC BALANCE METHOD IN GRAPHICS PROCESSING UNITS FOR VIBRATING BLADES](#)

Crespo, J; Corral, R; Pueblas, J

ASME TURBO EXPO: TURBINE TECHNICAL CONFERENCE AND EXPOSITION, 2015, VOL 2C, 2015

[GLOBAL AND LOCAL HYDRODYNAMIC STABILITY ANALYSIS AS A TOOL FOR COMBUSTOR DYNAMICS MODELING](#)

Paredes, P; Theofilis, V; Terhaar, S; Oberleithner, K; Paschereit, CO

ASME TURBO EXPO: TURBINE TECHNICAL CONFERENCE AND EXPOSITION, 2015, VOL 4B, 2015

[A new approach to crew scheduling in rapid transit networks-](#)

Fuentes, M; Cadarso, L; Marin, A

18TH EURO WORKING GROUP ON TRANSPORTATION, EWGT 2015, 10 554-563;  
10.1016/j.trpro.2015.09.009 2015

[Questioning questions: Remodelling oral presentations in the ESP classroom-](#)

Verdejo, RR; Guinda, CS

32ND INTERNATIONAL CONFERENCE OF THE SPANISH ASSOCIATION OF APPLIED LINGUISTICS (AESLA): LANGUAGE INDUSTRIES AND SOCIAL CHANGE, 173 132-137; 10.1016/j.sbspro.2015.02.042 2015

[How detached is technical writing? Teaching interpersonal with NTSB aircraft-accident dockets online-](#)

Guinda, CS

32ND INTERNATIONAL CONFERENCE OF THE SPANISH ASSOCIATION OF APPLIED LINGUISTICS (AESLA): LANGUAGE INDUSTRIES AND SOCIAL CHANGE, 173 138-142; 10.1016/j.sbspro.2015.02.043 2015

[Maintenance scheduling in rolling stock circulations in rapid transit networks-](#)

Andres, J; Cadarso, L; Marin, A

18TH EURO WORKING GROUP ON TRANSPORTATION, EWGT 2015, 10 524-533; 10.1016/j.trpro.2015.09.006 2015

[Understanding the inventor's mind through patent analysis: A CLIL team-teaching experience at the Technical University of Madrid-](#)

Elorza, PB; Guinda, CS

MULTIMODAL COMMUNICATION IN THE 21ST CENTURY: PROFESSIONAL AND ACADEMIC CHALLENGES, 212 283-291; 10.1016/j.sbspro.2015.11.350 2015

[ON THE NUMERICAL EVALUATION OF TONE NOISE EMISSIONS GENERATED BY A TURBINE STAGE: AN IN-DEPTH COMPARISON AMONG DIFFERENT COMPUTATIONAL METHODS-](#)

Pinelli, L; Poli, F; Arnone, A; Guerin, S; Holewa, A; Aparicio, JRF; Puente, R; Torzo, D; Favre, C; Gaetani, P; Persico, G

ASME TURBO EXPO: TURBINE TECHNICAL CONFERENCE AND EXPOSITION, 2015, VOL 2B, 2015

[A NOVEL MIXING PLANE METHOD USING NON-REFLECTING BOUNDARY CONDITIONS FOR MULTI-ROW ANALYSIS IN TURBOMACHINES-](#)

Gisbert, F; Corral, R

ASME TURBO EXPO: TURBINE TECHNICAL CONFERENCE AND EXPOSITION, 2015, VOL 2B, 2015

[Investigation of the global mode in swirling combustor flows: experimental observations and local and global stability analysis](#)

Terhaar, S; Paredes, P; Oberleithner, K; Theofilis, V; Paschereit, CO

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 553-562;  
10.1016/j.piutam.2015.03.079 2015

[Global instability analysis of laminar boundary layer flow over a bump at transonic conditions](#)

Perez, JM; Paredes, P; Theofilis, V

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 503-510;  
10.1016/j.piutam.2015.03.080 2015

[Transition to turbulence in a separated boundary layer with spanwise perturbations](#)

Gungor, AG; Simens, MP

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 69-77;  
10.1016/j.piutam.2015.03.025 2015

[The nonlinear PSE-3D concept for transition prediction in flows with a single slowly-varying spatial direction](#)

Paredes, P; Hanifi, A; Theofilis, V; Henningson, DS

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 36-44;  
10.1016/j.piutam.2015.03.021 2015

[Experiments on Natural Transition in Separation Bubbles](#)

Serna, J; Lazaro, BJ

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 496-502;  
10.1016/j.piutam.2015.03.078 2015

[Linearised structures in shear turbulence](#)

Jimenez, J

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 122-128;  
10.1016/j.piutam.2015.03.031 2015

[On global linear instability mechanisms of flow around airfoils at low Reynolds number and high angle of attack](#)

Gioria, RS; He, W; Theofilis, V

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 88-95;  
10.1016/j.piutam.2015.03.027 2015

[Linear instability analysis of incompressible flow over a cuboid cavity](#)

Liu, Q; Gomez, F; Theofilis, V

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 511-518;  
10.1016/j.piutam.2015.03.082 2015

[Numerical studies of non-linear intrinsic streaks in the flat plate boundary layer](#)

Martin, JA; Martel, C; Paredes, P; Theofilis, V

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 479-486;  
10.1016/j.piutam.2015.03.076 2015

[Instability mechanisms in straight-diverging-straight channels](#)

Jotkar, M; Perez, JM; Theofilis, V; Govindarajan, R

IUTAM-ABCM SYMPOSIUM ON LAMINAR TURBULENT TRANSITION, 14 236-245;  
10.1016/j.piutam.2015.03.046 2015

[Subir](#)



ETSI Agronómica, Alimentaria y de Biosistemas

ETSI Agrónomos

[Population Structure in the Model Grass \*Brachypodium distachyon\* Is Highly Correlated with Flowering Differences across Broad Geographic Areas-Q1](#)

Tyler, L; Lee, SJ; Young, ND; Delulio, GA; Benavente, E; Reagon, M; Sysopha, J; Baldini, RM; Troia, A; Hazen, SP; Caicedo, AL

PLANT GENOME, 9 (2):10.3835/plantgenome2015.08.0074 JUL 2016

[Clinical Performance of Commercial ISAC 112 Allergen Microarray Versus Noncommercial RIRAAF Platform for the Diagnosis of Plant Food and Olive Pollen Allergies-Q3](#)

Martinez-Aranguren, R; Martinez-Botas, J; Diaz-Perales, A; Villalba, M; de la Hoz, B; Gomez, F; Bartra, J; Blanca-Lopez, N; Alvarado, MI; Moya, C; Brito, FF; Alonso, MD; Gonzalez-Mancebo, E; Terrados, S; Garcia, BE; Gamboa, P; Parra, A; D'Amelio, C; Goikoetxea, MJ; Sanz, ML

JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGY, 26 (3):185-187; 10.18176/jiaci.00168 2016

[Development of a Luminex-Based DIVA Assay for Serological Detection of African Horse Sickness Virus in Horses – Q1](#)

Sanchez-Matamoros, A; Nieto-Pelegrin, E; Beck, C; Rivera-Arroyo, B; Lecollinet, S; Sailleau, C; Zientara, S; Sanchez-Vizcaino, JM

TRANSBOUNDARY AND EMERGING DISEASES, 63 (4):353-359; 10.1111/tbed.12503 AUG 2016

[Theory of short periodic orbits for partially open quantum maps – Q1](#)

Carlo, GG; Benito, RM; Borondo, F

PHYSICAL REVIEW E, 94 (1):10.1103/PhysRevE.94.012222 JUL 22 2016

[Scar Functions, Barriers for Chemical Reactivity, and Vibrational Basis Sets](#) – Q2

Revuelta, F; Vergini, E; Benito, RM; Borondo, F

JOURNAL OF PHYSICAL CHEMISTRY A, 120 (27):4928-4938; 10.1021/acs.jpca.5b12541  
JUL 14 2016

[Scouting the Mandelbrot set with Memory](#) – Q1

Alonso-Sanz, R

COMPLEXITY, 21 (5):84-96; 10.1002/cplx.21632 MAY-JUN 2016

[Understanding the inventor's mind through patent analysis: A CLIL team-teaching experience at the Technical University of Madrid-](#)

Elorza, PB; Guinda, CS

MULTIMODAL COMMUNICATION IN THE 21ST CENTURY: PROFESSIONAL AND ACADEMIC CHALLENGES, 212 283-291; 10.1016/j.sbspro.2015.11.350 2015

[Planning model for Peruvian university system-](#)

Chiyon, I; Yague, JL

4TH WORLD CONFERENCE ON EDUCATIONAL TECHNOLOGY RESEARCHES (WCETR-2014), 182 266-273; 10.1016/j.sbspro.2015.04.765 2015

[Use of Schizosaccharomyces strains for wine fermentation-Effect on the wine composition and food safety](#) – Q1

Mylona, AE; Del Fresno, JM; Palomero, F; Loira, I; Banuelos, MA; Morata, A; Calderon, F; Benito, S; Suarez-Lepe, JA

INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, 232 63-72;  
10.1016/j.ijfoodmicro.2016.05.023 SEP 2 2016

[Modelling Infection Dynamics and Evolution of Viruses in Plant Populations](#)

Fraile, A; Garcia-Arenal, F

EXTENDED ABSTRACTS SPRING 2014: HAMILTONIAN SYSTEMS AND CELESTIAL MECHANICS; VIRUS DYNAMICS AND EVOLUTION, 89-93; 10.1007/978-3-319-22129-8\_16  
2015

[Subir](#)

## EUIT Agrícola

[Use of Schizosaccharomyces strains for wine fermentation-Effect on the wine composition and food safety – Q1](#)

Mylona, AE; Del Fresno, JM; Palomero, F; Loira, I; Banuelos, MA; Morata, A; Calderon, F; Benito, S; Suarez-Lepe, JA

INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, 232 63-72;  
10.1016/j.ijfoodmicro.2016.05.023 SEP 2 2016

[Subir](#)

## ETSI Caminos, Canales y Puertos

[The secular equation for non-principal Rayleigh waves in deformed incompressible doubly fiber-reinforced nonlinearly elastic solids](#)-Q2

Nam, NT; Merodio, J; Vinh, PC

INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 84 23-30;  
10.1016/j.ijnonlinmec.2016.04.006 SEP 2016

[Extension of observed flood series by combining a distributed hydro-meteorological model and a copula-based model](#)-Q1

Requena, AI; Flores, I; Mediero, L; Garrote, L

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, 30 (5):1363-1378;  
10.1007/s00477-015-1138-x MAY 2016

[Optimization of transport measures to reduce GHG and pollutant emissions through a LUTI modeling approach](#)-Q1

Guzman, LA; de la Hoz, D; Monzon, A

INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION, 10 (7):590-603;  
10.1080/15568318.2015.1033039 2016

[Impact of halogen-free flame retardant with varied phosphorus chemical surrounding on the properties of diglycidyl ether of bisphenol-A type epoxy resin: synthesis, fire behaviour, flame-retardant mechanism and mechanical properties](#)-Q2

Zhao, XM; Babu, HV; Llorca, J; Wang, DY

RSC ADVANCES, 6 (64):59226-59236; 10.1039/c6ra13168a 2016

[Seasonal and temporal changes in species use of the landscape: how do they impact the inferences from multi-scale habitat modeling?](#) – Q1

Mateo-Sanchez, MC; Gaston, A; Ciudad, C; Garcia-Vinas, JI; Cuevas, J; Lopez-Leiva, C; Fernandez-Landa, A; Algeet-Abarquero, N; Marchamalo, M; Fortin, MJ; Saura, S

LANDSCAPE ECOLOGY, 31 (6):1261-1276; 10.1007/s10980-015-0324-z AUG 2016

[Novel educational assessment for building structures: Automatic evaluation of on-line graphics-](#)

Aznar, A; Hernando, JI

INTERNATIONAL EDUCATIONAL TECHNOLOGY CONFERENCE, IETC 2014, 176 602-609;  
10.1016/j.sbspro.2015.01.516 2015

[Metaphor and Figurative Meaning Construction in Science and Technology \(English and Spanish\)-](#)

Roldan-Riejos, A; Cuadrado, G

MULTIMODAL COMMUNICATION IN THE 21ST CENTURY: PROFESSIONAL AND ACADEMIC  
CHALLENGES, 212 271-277; 10.1016/j.sbspro.2015.11.348 2015

[Questioning questions: Remodelling oral presentations in the ESP classroom-](#)

Verdejo, RR; Guinda, CS

32ND INTERNATIONAL CONFERENCE OF THE SPANISH ASSOCIATION OF APPLIED  
LINGUISTICS (AESLA): LANGUAGE INDUSTRIES AND SOCIAL CHANGE, 173 132-137;  
10.1016/j.sbspro.2015.02.042 2015

[FAILURE CRITERIA FOR UNIRRADIATED PWR CLADDING SUBJECTED TO RING.  
COMPRESSION TESTS-](#)

Ruiz-Hervias, J; Martin-Rengel, MA; Gomez-Sanchez, FJ

ASME PRESSURE VESSELS AND PIPING CONFERENCE - 2015, VOL 7, 2015

[Subir](#)

## ETSI Industriales

[DCT-based channel estimation for single- and multicarrier communications-Q2](#)

Cruz-Roldan, F; Dominguez-Jimenez, ME; Sansigre-Vidal, G; Luengo, D; Moonen, M

SIGNAL PROCESSING, 128 332-339; 10.1016/j.sigpro.2016.05.001 NOV 2016

[An agent-based support system for railway station dispatching-Q1](#)

Zhu, TM; Mera, JM; Suarez, B; Maroto, J

EXPERT SYSTEMS WITH APPLICATIONS, 61 39-52; 10.1016/j.eswa.2016.05.011 NOV 1 2016

[When outcomes are the reflection of the analysis criteria: A review of the tradable green certificate assessments-Q1](#)

Darmani, A; Rickne, A; Hidalgo, A; Arvidsson, N

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 62 372-381; 10.1016/j.rser.2016.04.037 SEP 2016

[Improving PWR core simulations by Monte Carlo uncertainty analysis and Bayesian inference-Q2](#)

Castro, E; Ahnert, C; Buss, O; Garcia-Herranz, N; Hoefler, A; Porsch, D

ANNALS OF NUCLEAR ENERGY, 95 148-156; 10.1016/j.anucene.2016.05.007 SEP 2016

[Effectiveness of pre-commitments on reducing asymmetrical information in equity issues-Q4](#)

Parreno, J; Ruiz, F; Casanueva, C

APPLIED ECONOMICS LETTERS, 23 (12):863-867; 10.1080/13504851.2015.1114573 AUG 2016

[Fatigue life analysis of semitrailers. Fatigue testing bench and numerical simulation-Q4](#)

Alegre, MC; Herrer, LC; Litago, HM; Hernando, DV; Lafuente, CM; de Jalon, JG; Luque, P; Mantaras, DA; Alcalá, E; Martín, A

DYNA, 91 (4):406-412; 10.6036/7886 JUL-AUG 2016

[Evaluation of different stenting techniques in coronary bifurcations-Q4](#)

García, J; Doce, Y; Manuel, F; Castro, F; Goicolea, J; Fernández, A

REVISTA INTERNACIONAL DE METODOS NUMERICOS PARA CALCULO Y DISEÑO EN INGENIERIA, 32 (3):181-187; 10.1016/j.rimni.2015.04.003 JUL-SEP 2016

[25 years of reengineering process: a retrospective vision-Q4](#)

Gutiérrez, M; Sastrón, F

DYNA, 91 (4):358-361; 10.6036/7815 JUL-AUG 2016

[Reengineering the Avionics of an Unmanned Aerial Vehicle-Q3](#)

Fernández, JL; Gómez, JLJP

IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE, 31 (4):6-13; 10.1109/MAES.2016.150048 APR 2016

[User-friendly task level programming based on an online walk-through teaching approach-Q4](#)

Brunete, A; Mateo, C; Gambao, E; Hernando, M; Koskinen, J; Ahola, JM; Seppala, T; Heikkilä, T

INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL, 43 (2):153-163; 10.1108/IR-05-2015-0103 2016



[Power Losses Calculations in Windings of Gapped Magnetic Components: The i2D Method Applied to Flyback Transformers-](#)

Holguin, FA; Prieto, R; Asensi, R; Cobos, JA

2015 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE), 5675-5681; 2015

[Comparison of Current Control Strategies Applied to a Boost-Rectifier Connected to a Direct Drive Wave Energy Converter-](#)

Mendonca, H; Martinez, S; Ramirez, D

2015 INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS (ICRERA), 1259-1264; 2015

[Analysis and Design of an Isolated Single-Stage Three-Phase Full-Bridge with Current Injection Path PFC Rectifier for Aircraft Application-](#)

Zhao, S; Silva, M; Oliver, JA; Alou, P; Garcia, O; Cobos, JA

2015 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE), 6777-6784; 2015

[Bulk sensing performance comparison between silicon dioxide and resonant high aspect ratio nanopillars arrays fabricated by means of interference lithography – Q1](#)

Cornago, I; Hernandez, AL; Casquel, R; Holgado, M; Laguna, MF; Sanza, FJ; Bravo, J

OPTICAL MATERIALS EXPRESS, 6 (7):2264-2272; 10.1364/OME.6.002264 JUL 1 2016

[Selective structuring of multi-layer functional thin films using laser induced shockwave delamination process](#)

Ehrhardt, M; Lorenz, P; Bayer, L; Molpeceres, C; Ramirez, CAH; Zimmer, K

LASER APPLICATIONS IN MICROELECTRONIC AND OPTOELECTRONIC MANUFACTURING (LAMOM) XXI, 9735 10.1117/12.2212495 2016

[Adaptive Reconfigurable Voting for Enhanced Reliability in Medium-Grained Fault Tolerant Architectures-](#)

Veljkovic, F; Riesgo, T; de la Torre, E

2015 NASA/ESA CONFERENCE ON ADAPTIVE HARDWARE AND SYSTEMS (AHS), 2015

[Detection and Analysis of Tremor Using a System Based on Smart Device and NoSQL Database-](#)

Zheng, XC; Ordieres-Mere, J

2015 INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND SYSTEMS MANAGEMENT (IESM), 242-248; 2015

[Forecasting Photovoltaic Energy using MEWMA models-](#)

Caro, E; Cara, FJ; Juan, J

2015 12TH INTERNATIONAL CONFERENCE ON THE EUROPEAN ENERGY MARKET (EEM), 2015

[Assessment of microscale spatio-temporal variation of air pollution at an urban hotspot in Madrid \(Spain\) through an extensive field campaign – Q1](#)

Borge, R; Narros, A; Artinano, B; Yague, C; Gomez-Moreno, FJ; de la Paz, D; Roman-Cascon, C; Diaz, E; Maqueda, G; Sastre, M; Quaassdorff, C; Dimitroulopoulou, C; Vardoulakis, S

ATMOSPHERIC ENVIRONMENT, 140 432-445; 10.1016/j.atmosenv.2016.06.020 SEP 2016

[Subir](#)

## ETSI Minas y Energía

[Cellular automata to understand the behaviour of beach-dune systems: Application to El Fangar Spit active dune system \(Ebro delta, Spain\)-Q1](#)

Barrio-Parra, F; Rodriguez-Santalla, I

COMPUTERS & GEOSCIENCES, 93 55-62; 10.1016/j.cageo.2016.05.001 AUG 2016

[Subir](#)

## ETSI Montes, Forestal y del Medio Natural

Centros integrados en esta Escuela: ETSI Montes y EUIT Forestal.

### ETSI Montes

[Impact of deer rubbing on pine forests: implications for conservation and management of \*Pinus pinaster\* populations](#)-Q1

Charco, J; Perea, R; Gil, L; Nanos, N

EUROPEAN JOURNAL OF FOREST RESEARCH, 135 (4):719-729; 10.1007/s10342-016-0967-6 AUG 2016

[Commercial income and capital of hunting: an application to forest estates in Andalusia](#)-Q2

Herruzo, AC; Martinez-Jauregui, M; Carranza, J; Campos, P

FOREST POLICY AND ECONOMICS, 69 53-61; 10.1016/j.forpol.2016.05.004 AUG 2016

[Shedding light on the self-consumption value of recreational hunting in European Mediterranean forests](#)-Q2

Martinez-Jauregui, M; Herruzo, AC; Campos, P; Solino, M

FOREST POLICY AND ECONOMICS, 69 83-89; 10.1016/j.forpol.2016.05.002 AUG 2016

[Seasonal and temporal changes in species use of the landscape: how do they impact the inferences from multi-scale habitat modeling?](#) – Q1

Mateo-Sanchez, MC; Gaston, A; Ciudad, C; Garcia-Vinas, JI; Cuevas, J; Lopez-Leiva, C; Fernandez-Landa, A; Algeet-Abarquero, N; Marchamalo, M; Fortin, MJ; Saura, S

LANDSCAPE ECOLOGY, 31 (6):1261-1276; 10.1007/s10980-015-0324-z AUG 2016

[Chaparral Shrub Hydraulic Traits, Size, and Life History Types Relate to Species Mortality during California's Historic Drought of 2014](#)-Q1

Venturas, MD; MacKinnon, ED; Dario, HL; Jacobsen, AL; Pratt, RB; Davis, SD

PLOS ONE, 11 (7):10.1371/journal.pone.0159145 JUL 8 2016

[Subir](#)

## EUIT Forestal

[Seasonal and temporal changes in species use of the landscape: how do they impact the inferences from multi-scale habitat modeling? – Q1](#)

Mateo-Sanchez, MC; Gaston, A; Ciudad, C; Garcia-Vinas, JI; Cuevas, J; Lopez-Leiva, C; Fernandez-Landa, A; Algeet-Abarquero, N; Marchamalo, M; Fortin, MJ; Saura, S

LANDSCAPE ECOLOGY, 31 (6):1261-1276; 10.1007/s10980-015-0324-z AUG 2016

[Subir](#)

## ETSI Navales

### [Behavior of Friedmann-Lemaitre-Robertson-Walker Singularities-Q3](#)

Fernandez-Jambrina, L

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 55 (8):3537-3540;  
10.1007/s10773-016-2980-4 AUG 2016

### [Concentration and Non-Concentration for the Schrodinger Evolution on Zoll Manifolds-Q1](#)

Macia, F; Riviere, G

COMMUNICATIONS IN MATHEMATICAL PHYSICS, 345 (3):1019-1054; 10.1007/s00220-015-2504-8 AUG 2016

### [HIGH FROUDE NUMBER VISCOUS FLOW PAST A CIRCULAR CYLINDER-](#)

Bouscasse, B; Colagrossi, A; Marrone, S; Souto-Iglesias, A

PROCEEDINGS OF THE ASME 34TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2015, VOL 2, 2015

### [CFD SIMULATIONS ON THE VORTEX-INDUCED VIBRATIONS OF A FLEXIBLE CYLINDER WITH WAKE INTERFERENCE-](#)

Gonzalez, LM; Rodriguez, A; Garrido, CA; Suarez, JC; Huera-Huarte, F

PROCEEDINGS OF THE ASME 34TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2015, VOL 2, 2015

### [ANALYSIS OF THE DRAFT INFLUENCE ON THE NUMERICAL RESONANT EFFECTS IN SIDE-BY-SIDE OFFLOADING OPERATION](#)

Dinoi, P; Watai, RA; Ruggeri, F; Gomez-Goni, J; Simos, AN

PROCEEDINGS OF THE ASME 34TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2015, VOL 1, 2015

[TIME DOMAIN ASSESSMENT OF NONLINEAR COUPLED SHIP MOTIONS AND SLOSHING IN FREE SURFACE TANKS](#)

Cercos-Pita, JL; Bulian, G; Souto-Iglesias, A

PROCEEDINGS OF THE ASME 34TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2015, VOL 1, 2015

[Conceptual definition of one OTEC floating plant](#)

Nunez, LR; Yraola, AM; Munoz, LB; de Las Heras, LP

MARITIME TECHNOLOGY AND ENGINEERING, VOLS. 1 & 2, 1223-1230; 2015

[Methodology and results of the sea trials for a second generation tidal converter](#)

Lopez, A; Nunez, LR; Somolinos, JA; Novoa, E; Lozano, AC

MARITIME TECHNOLOGY AND ENGINEERING, VOLS. 1 & 2, 1213-1221; 2015

[Subir](#)

## ETSI Telecomunicación

[Spatially-variant noise filtering in magnetic resonance imaging: A consensus-based approach](#)-Q1

Gonzalez-Jaime, L; Vegas-Sanchez-Ferrero, G; Kerre, EE; Aja-Fernandez, S

KNOWLEDGE-BASED SYSTEMS, 106 264-273; 10.1016/j.knosys.2016.05.053 AUG 15 2016

[Dielectric relaxation of vanadium-molybdenum tellurite glasses modified by alkaline-earth oxides](#)-Q1

Terny, S; di Pratula, PE; De Frutos, J; Frechero, MA

JOURNAL OF NON-CRYSTALLINE SOLIDS, 444 49-54; 10.1016/j.jnoncrysol.2016.04.041  
JUL 15 2016

[Algorithm 959: VBF: A Library of C plus plus Classes for Vector Boolean Functions in Cryptography](#)-Q1

Alvarez-Cubero, JA; Zufiria, PJ

ACM TRANSACTIONS ON MATHEMATICAL SOFTWARE, 42 (2):10.1145/2794077 JUN  
2016

[Tailoring the efficiency of ultrasonic transducers for physiotherapy](#)-Q4

Iglesias, E; Chinchurreta, F; de Frutos, J; de Espinosa, FM

FERROELECTRICS, 499 (1):83-89; SI 10.1080/00150193.2016.1172872 3 2016

[DVFS-Aware Consolidation for Energy-Efficient Clouds](#)-

Arroba, P; Moya, JM; Ayala, JL; Buyya, R

2015 INTERNATIONAL CONFERENCE ON PARALLEL ARCHITECTURE AND COMPILATION  
(PACT), 494-495; 10.1109/PACT.2015.59 2015



[Combination of Time and Spatial Filtering to Improve Echo Reduction in Antenna Measurements-](#)

Sierra-Castaner, M; Trujillo, JGG; Gonzalez-Blanco, P; Morales, MJL; Saccardi, F; Foged, LJ  
2015 12TH EUROPEAN RADAR CONFERENCE (EURAD), 281-284; 2015

[Processing Chain of a Radar Network for Safety Improvement in the Usage of Heavy Machinery](#)

Leon-Infante, F; Gonzalez-Partida, JT; Blazquez-Garcia, R; Burgos-Garcia, M  
2015 12TH EUROPEAN RADAR CONFERENCE (EURAD), 157-160; 2015

[Perimeter Surveillance Radar in W-Band based on Vehicle Collision Avoidance Technology-](#)

Blazquez-Garcia, R; Almorox-Gonzalez, P; Burgos-Garcia, M; Callejero-Andres, C; Pantoja-Dominguez, J; Gomez-Maqueda, I  
2015 12TH EUROPEAN RADAR CONFERENCE (EURAD), 273-276; 2015

[Integral Imaging Capture System With Tunable Field of View Based on Liquid Crystal Microlenses – Q2](#)

Algorri, JF; Urruchi, V; Bennis, N; Morawiak, P; Sanchez-Pena, JM; Oton, JM  
IEEE PHOTONICS TECHNOLOGY LETTERS, 28 (17):1854-1857; 10.1109/LPT.2016.2572258  
SEP 1 2016

[Tungsten Oxide Layers of High Acoustic Impedance for Fully Insulating Acoustic Reflectors – Q1](#)

DeMiguel-Ramos, M; Diaz-Duran, B; Munir, J; Clement, M; Mirea, T; Olivares, J; Iborra, E  
IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 63 (7):938-944; SI 10.1109/TUFFC.2015.2498968 JUL 2016

[A Novel MWP proposal for Low-Coherence Interferometry applications](#)

Bolea, M; Maria, J; Capmany, J

2015 INTERNATIONAL TOPICAL MEETING ON MICROWAVE PHOTONICS (MWP), 2015

[Ultra-Wideband Pulses Generation by means of Incoherent Optical Processing compatible with Radio-over-Fibre Systems](#)

Rius, M; Bolea, M; Mora, J; Capmany, J

2015 INTERNATIONAL TOPICAL MEETING ON MICROWAVE PHOTONICS (MWP), 2015

[Direct Domain Decomposition for On-Board Spacecraft Antennas Based on Spherical Ports](#)

Robustillo, P; Rubio, J; Zapata, J; Mosig, JR

2015 COMPUTATIONAL ELECTROMAGNETICS INTERNATIONAL WORKSHOP (CEM'15), 42-43; 2015

[Thermal stability study of AlGaIn/GaN MOS-HEMTs using Gd<sub>2</sub>O<sub>3</sub> as gate dielectric-](#)

Gao, Z; Romero, MF; Pampillon, MA; San Andres, E; Calle, F

PROCEEDINGS OF THE 2015 10TH SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 78-U192; 2015

[Assessing a cognitive rehabilitation environment based on interactive video and eye-tracking technologies-](#)

Martinez-Moreno, JM; Solana, J; Sanchez-Gonzalez, P; Gomez, EJ; Sanchez-Carrion, R; Lopez, J; Roig, T; Tormos, JM

2015 INTERNATIONAL CONFERENCE ON VIRTUAL REHABILITATION PROCEEDINGS (ICVR), 125-126; 2015

[A virtualized platform for analyzing LTE broadcast services-](#)

Lentisco, CM; Aguayo, M; Bellido, L; Pastor, E; De-Antonio-Monte, D; Bolivar, AG

2015 EUROPEAN CONFERENCE ON NETWORKS AND COMMUNICATIONS (EUCNC), 512-516; 2015

[A System for Multimodal Interaction with Kinect-Enabled Virtual Windows-](#)

Bernardos, AM; Marquinez, I; Gomez, D; Besada, JA; Casar, JR

PROCEEDINGS OF THE 2015 7TH INTERNATIONAL CONFERENCE ON INTELLIGENT TECHNOLOGIES FOR INTERACTIVE ENTERTAINMENT, 42-46;  
10.4108/icst.intetain.2015.259498 2015

[Technology Independent Honeynet Description Language-](#)

Fan, WJ; Fernandez, D; Villagra, VA

MODELSWARD 2015 PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MODEL-DRIVEN ENGINEERING AND SOFTWARE DEVELOPMENT, 303-311; 2015

[Using 5G technologies in the Internet of Things: Handovers, problems and challenges-](#)

Sanchez, BB; Sanchez-Picot, A; De Rivera, DS

2015 9TH INTERNATIONAL CONFERENCE ON INNOVATIVE MOBILE AND INTERNET SERVICES IN UBIQUITOUS COMPUTING IMIS 2015, 364-369; 10.1109/IMIS.2015.56 2015

[A Personal Agents Hybrid Architecture for Question Answering featuring Social Dialog-](#)

Coronado, M; Iglesias, CA; Mardomingo, A

2015 INTERNATIONAL SYMPOSIUM ON INNOVATIONS IN INTELLIGENT SYSTEMS AND APPLICATIONS (INISTA) PROCEEDINGS, 403-410; 2015

[Paradox and oxymoron revisited-](#)

Ruiz, JH

32ND INTERNATIONAL CONFERENCE OF THE SPANISH ASSOCIATION OF APPLIED LINGUISTICS (AESLA): LANGUAGE INDUSTRIES AND SOCIAL CHANGE, 173 199-206; 10.1016/j.sbspro.2015.02.053 2015

[Analysis of the Impact of FEC Techniques on a Multicast Video Streaming Service over LTE-](#)

de la Fuente, A; Lentisco, CM; Bellido, L; Leal, RP; Pastor, E; Armada, AG

2015 EUROPEAN CONFERENCE ON NETWORKS AND COMMUNICATIONS (EUCNC), 219-223; 2015

[Automated Model-based Testing Based on an Agnostic-platform Modeling Language-](#)

Sanz, C; Salas, A; de Miguel, M; Alonso, A; de la Puente, J; Benac, C

MODELSWARD 2015 PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MODEL-DRIVEN ENGINEERING AND SOFTWARE DEVELOPMENT, 239-246; 2015

[Amorphous/crystalline silicon interface characterization by capacitance and conductance measurements-](#)

Garcia-Hernansanz, R; Garcia-Hemme, E; Montero-Alvarez, D; del Prado, A; Martil, I; Gonzalez-Diaz, G; Olea, J

PROCEEDINGS OF THE 2015 10TH SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 37-U169; 2015

[A fast pathway for fear in human amygdale – Q1](#)

Mendez-Bertolo, C; Moratti, S; Toledano, R; Lopez-Sosa, F; Martinez-Alvarez, R; Mah, YH; Vuilleumier, P; Gil-Nagel, A; Strange, BA

NATURE NEUROSCIENCE, 19 (8):1041-+; 10.1038/nn.4324 AUG 2016

[PRIPARE: Integrating Privacy Best Practices into a Privacy Engineering Methodology](#)

Notario, N; Crespo, A; Martin, YS; del Alamo, JM; Le Metayer, D; Antignac, T; Kung, A; Kroener, I; Wright, D

2015 IEEE SECURITY AND PRIVACY WORKSHOPS (SPW), 151-158; 10.1109/SPW.2015.22  
2015

[Shadowgraph technique applied to STARDUST facility for dust tracking: first results](#)

Gaudio, P; Malizia, A; Camplani, M; Barbato, F; Antonelli, L; Gelfusa, M; Del Vecchio, M; Salgado, L; Bellecci, C; Richetta, M

3RD INTERNATIONAL CONFERENCE FRONTIERS IN DIAGNOSTIC TECHNOLOGIES, ICFDT3  
2013, 62 97-101; 10.1016/j.phpro.2015.02.017 2015

[A Trust and Reputation system for energy optimization in Cloud data centers](#)

Aransay, I; Zapater, M; Arroba, P; Moya, JM

2015 IEEE 8TH INTERNATIONAL CONFERENCE ON CLOUD COMPUTING, 138-145;  
10.1109/CLOUD.2015.28 2015

[EDGE-BASED DEPTH GRADIENT REFINEMENT FOR 2D TO 3D LEARNED PRIOR  
CONVERSION](#)

Herrera, JL; del-Blanco, CR; Garcia, N

2015 3DTV-CONFERENCE - TRUE VISION - CAPTURE, TRANSMISSION AND DISPLAY OF 3D  
VIDEO (3DTV-CON), 2015

[Subir](#)

### Centro de Investigación en Simulación Computacional (CSC)

#### [A Trust and Reputation system for energy optimization in Cloud data centers](#)

Aransay, I; Zapater, M; Arroba, P; Moya, JM

2015 IEEE 8TH INTERNATIONAL CONFERENCE ON CLOUD COMPUTING, 138-145;  
10.1109/CLOUD.2015.28 2015

[Subir](#)

## ETSI Topografía, Geodesia y Cartografía

### [Seismic hazard assessment in continental Ecuador-Q2](#)

Parra, H; Benito, MB; Gaspar-Escribano, JM

BULLETIN OF EARTHQUAKE ENGINEERING, 14 (8):2129-2159; 10.1007/s10518-016-9906-7 AUG 2016

[Subir](#)

**Facultad de Ciencias de la Actividad Física y del Deporte (INEF)**

[Modelling relationships between match events and match outcome in elite football-Q2](#)

Liu, HY; Hopkins, WG; Gomez, MA

EUROPEAN JOURNAL OF SPORT SCIENCE, 16 (5):516-525;  
10.1080/17461391.2015.1042527 2016

[Marginal Micronutrient Intake in High-Performance Male Wheelchair Basketball Players: A Dietary Evaluation and the Effects of Nutritional Advice – Q1](#)

Grams, L; Garrido, G; Villacieros, J; Ferro, A

PLOS ONE, 11 (7):10.1371/journal.pone.0157931 JUL 6 2016

[EFFECTS OF TEAM TIMEOUTS ON THE TEAMS' SCORING PERFORMANCE IN ELITE HANDBALL CLOSE GAMES – Q4](#)

Prieto, J; Gomez, MA; Volossovitch, A; Sampaio, J

KINESIOLOGY, 48 (1):115-123; JUN 2016

[Subir](#)



## ETSI Informáticos

### [An Exercise in Exploring Big Data for Producing Reliable Statistical Information](#)-Q1

Rey-del-Castillo, P; Cardenosa, J

BIG DATA, 4 (2):120-128; SI 10.1089/big.2015.0045 JUN 2016

### [Query Rewriting in RDF Stream Processing](#)-Q4

Calbimonte, JP; Mora, J; Corcho, O

SEMANTIC WEB: LATEST ADVANCES AND NEW DOMAINS, 9678 486-502; 10.1007/978-3-319-34129-3\_30 2016

### [Functional Testing of Java Programs](#)-Q4

Earle, CB; Fredlund, LA

TRENDS IN FUNCTIONAL PROGRAMMING (TFP 2015), 9547 40-59; 10.1007/978-3-319-39110-6\_3 2016

### [An RDMA Middleware for Asynchronous Multi-stage Shuffling in Analytical Processing](#)-Q4

Goncalves, RC; Pereira, J; Jimenez-Peris, R

DISTRIBUTED APPLICATIONS AND INTEROPERABLE SYSTEMS, DAIS 2016, 9687 61-74; 10.1007/978-3-319-39577-7\_5 2016

### [Comparison between different dynamical downscaling methods using WRF-Chem for urban applications: Madrid case study](#)-Q4

Jose, RS; Perez, JL; Pecci, J; Garzon, A; Palacios, M

INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, 58 (4):293-306; SI 10.1504/IJEP.2015.077459 3 2015

[Dendritic branching angles of pyramidal cells across layers of the juvenile rat somatosensory cortex](#) – Q1

Leguey, I; Bielza, C; Larranaga, P; Kastanauskaite, A; Rojo, C; Benavides-Piccione, R; DeFelipe, J

JOURNAL OF COMPARATIVE NEUROLOGY, 524 (13):2567-2576; 10.1002/cne.23977 SEP 1 2016

[Setting-up a European Cross-Provider Data Collection on Open Online Courses](#) – Q2

Kalz, M; Kreijns, K; Walhout, J; Castano-Munoz, J; Espasa, A; Tovar, E

INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTRIBUTED LEARNING, 16 (6):62-77; SI NOV 2015

[Lexicalizing Ontologies: The Issues Behind The Labels-](#)

Aguado-de-Cea, G; Montiel-Ponsoda, E; Poveda-Villalon, M; Giraldo-Pasmin, OX

MULTIMODAL COMMUNICATION IN THE 21ST CENTURY: PROFESSIONAL AND ACADEMIC CHALLENGES, 212 151-158; 10.1016/j.sbspro.2015.11.313 2015

[Exploring Energy-Consistency Trade-offs in Cassandra Cloud Storage System-](#)

Chihoub, HE; Ibrahim, S; Li, Y; Antoniu, G; Perez, MS; Bouge, L

2015 27TH INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE AND HIGH PERFORMANCE COMPUTING (SBAC-PAD), 146-153; 10.1109/SBAC-PAD.2015.28 2015

[Difficulties in Running Experiments in the Software Industry: Experiences from the Trenches-](#)

Vegas, S; Dieste, O; Juristo, N

2015 IEEE/ACM 3RD INTERNATIONAL WORKSHOP ON CONDUCTING EMPIRICAL STUDIES IN INDUSTRY (CESI), 3-9; 10.1109/CESI.2015.8 2015

[Integration of a Purchase Porter System into a VO Developed by PANGEA-](#)

Harashima, K; Nakazaki, H; Chamoso, P; Bajo, J; Corchado, JM

TRENDS IN PRACTICAL APPLICATIONS OF AGENTS, MULTI-AGENT SYSTEMS AND SUSTAINABILITY: THE PAAMS COLLECTION, 372 65-72; 10.1007/978-3-319-19629-9\_8 2015

[A Novel Pilot Expansion Approach for MIMO Channel Estimation and Tracking-](#)

Siyau, MF; Li, TC; Prieto, J; Corchado, J; Bajo, J

2015 IEEE INTERNATIONAL CONFERENCE ON UBIQUITOUS WIRELESS BROADBAND (ICUWB), 2015

[Automated Model-based Testing Based on an Agnostic-platform Modeling Language-](#)

Sanz, C; Salas, A; de Miguel, M; Alonso, A; de la Puente, J; Benac, C

MODELSWARD 2015 PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MODEL-DRIVEN ENGINEERING AND SOFTWARE DEVELOPMENT, 239-246; 2015

[Intelligent Classifier for E-Nose Systems-](#)

Pelki, D; Bajo, J; Omatu, S

TRENDS IN PRACTICAL APPLICATIONS OF AGENTS, MULTI-AGENT SYSTEMS AND SUSTAINABILITY: THE PAAMS COLLECTION, 372 239-240; 10.1007/978-3-319-19629-9\_31 2015

[Changing the Software Engineering Education: A Report from Current Situation in Mexico](#)

Garcia, I; Pacheco, C; Calvo-Manzano, J

SOFTWARE ENGINEERING RESEARCH, MANAGEMENT AND APPLICATIONS, 578 43-58; 10.1007/978-3-319-11265-7\_4 2015

[Subir](#)

## ETS Edificación

### [Influence of assessment in the teaching-learning process in the higher education-](#)

Barrio, MIP; Escamilla, AC; Garcia, MNG; Fernandez, EM; Garcia, PD

INTERNATIONAL EDUCATIONAL TECHNOLOGY CONFERENCE, IETC 2014, 176 458-465;  
10.1016/j.sbspro.2015.01.497 2015

### [The influence of different variables in evaluation within the building degree in the Polytechnic University of Madrid-](#)

Garcia, MNG; Escamilla, AC; Fernandez, EM; Barrio, MIP; Garcia, PD

INTERNATIONAL EDUCATIONAL TECHNOLOGY CONFERENCE, IETC 2014, 176 691-698;  
10.1016/j.sbspro.2015.01.528 2015

[Subir](#)

## ETSI Sistemas Informáticos

### [An Analysis of Techniques and Methods for Technical Debt Management: a Reflection from the Architecture Perspective-](#)

Fernandez-Sanchez, C; Garbajosa, J; Vidal, C; Yaguc, A

2015 IEEE/ACM 2ND INTERNATIONAL WORKSHOP ON SOFTWARE ARCHITECTURE AND METRICS (SAM), 22-28; 10.1109/SAM.2015.11 2015

### [Implementing Uniform Reliable Broadcast in Anonymous Distributed Systems with Fair Lossy Channels-](#)

Tang, J; Larrea, M; Arevalo, S; Jimenez, E

2015 IEEE 24TH ASIAN TEST SYMPOSIUM (ATS), 500-508; 10.1109/IPDPSW.2015.23 2015

### [Towards a Reference Architecture for Large-Scale Smart Grids System of Systems-](#)

Perez, J; Diaz, J; Garbajosa, J; Yague, A; Gonzalez, E; Lopez-Perea, M

THIRD INTERNATIONAL WORKSHOP ON SOFTWARE ENGINEERING FOR SYSTEMS-OF-SYSTEMS SESOS 2015, 5-11; 10.1109/SESoS.2015.9 2015

### [A Framework to Aid in Decision Making for Technical Debt Management-](#)

Fernandez-Sanchez, C; Garbajosa, J; Yague, A

2015 IEEE 7TH INTERNATIONAL WORKSHOP ON MANAGING TECHNICAL DEBT (MTD) PROCEEDINGS, 69-76; 2015

[Subir](#)

## ETSI Diseño Industrial

[A review on the recent progress made on solar photovoltaic in selected countries of sub-Saharan Africa](#)-Q1

Mas'ud, AA; Wirba, AV; Muhammad-Sukki, F; Albarracin, R; Abu-Bakar, SH; Munir, AB; Bani, NA

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 62 441-452; 10.1016/j.rser.2016.04.055  
SEP 2016

[Software simulation and experimental characterisation of a rotationally asymmetrical concentrator under direct and diffuse solar radiation](#)-Q1

Freier, D; Muhammad-Sukki, F; Abu-Bakar, SH; Ramirez-Iniguez, R; Mas'ud, AA; Albarracin, R; Ardila-Rey, JA; Munir, A; Yasin, SHM; Bani, NA

ENERGY CONVERSION AND MANAGEMENT, 122 223-238;  
10.1016/j.enconman.2016.05.072 AUG 15 2016

[Evaluation of different stenting techniques in coronary bifurcations](#)-Q4

Garcia, J; Doce, Y; Manuel, F; Castro, F; Goicolea, J; Fernandez, A

REVISTA INTERNACIONAL DE METODOS NUMERICOS PARA CALCULO Y DISEÑO EN INGENIERIA, 32 (3):181-187; 10.1016/j.rimni.2015.04.003 JUL-SEP 2016

[User-friendly task level programming based on an online walk-through teaching approach](#)-Q4

Brunete, A; Mateo, C; Gambao, E; Hernando, M; Koskinen, J; Ahola, JM; Seppala, T; Heikkila, T

INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL, 43 (2):153-163; 10.1108/IR-05-2015-0103 2016

[Supercritical water hydrolysis of cellulosic biomass as effective pretreatment to catalytic production of hexitols and ethylene glycol over Ru/MCM-48](#)-Q1

Romero, A; Cantero, DA; Nieto-Marquez, A; Martinez, C; Alonso, E; Cocero, MJ

GREEN CHEMISTRY, 18 (14):4051-4062; 10.1039/c6gc00374e 2016

[Numerical Modelling of a 100-Wh Lab-Scale Thermochemical Heat Storage System for Concentrating Solar Power Plants-](#)

de Miguel, SA; Bellan, S; de Maria, JMG; Gonzalez-Aguilar, J; Romero, M

SOLARPACES 2015: INTERNATIONAL CONFERENCE ON CONCENTRATING SOLAR POWER AND CHEMICAL ENERGY SYSTEMS, 1734 10.1063/1.4949103 2016

[A Discrete Spheropolygon Model for Calculation of Stress in Crowd Dynamics-](#)

Alonso-Marroquin, F; Busch, J; Ramirez-Gomez, A; Lozano, C

TRAFFIC AND GRANULAR FLOW '13, 179-186; 10.1007/978-3-319-10629-8\_21 2015

[Metaphor and Figurative Meaning Construction in Science and Technology \(English and Spanish\)-](#)

Roldan-Riejos, A; Cuadrado, G

MULTIMODAL COMMUNICATION IN THE 21ST CENTURY: PROFESSIONAL AND ACADEMIC CHALLENGES, 212 271-277; 10.1016/j.sbspro.2015.11.348 2015

[Subir](#)

## ETSI Civil

No hay documentos este mes.

[Subir](#)



## ETSI Sistemas Telecomunicación

### [DCT-based channel estimation for single- and multicarrier communications-Q2](#)

Cruz-Roldan, F; Dominguez-Jimenez, ME; Sansigre-Vidal, G; Luengo, D; Moonen, M  
SIGNAL PROCESSING, 128 332-339; 10.1016/j.sigpro.2016.05.001 NOV 2016

### [Causality Analysis of Atrial Fibrillation Electrograms-](#)

Luengo, D; Munoz, GR; Elvira, V  
2015 COMPUTING IN CARDIOLOGY CONFERENCE (CINC), 585-588; 2015

### [Performance Comparison of SVD- and GMD-assisted MIMO Systems-](#)

Ahrens, A; Benavente-Peces, C; Aboltins, A  
2015 ADVANCES IN WIRELESS AND OPTICAL COMMUNICATIONS (RTUWO), 5-12; 2015

### [Identifying learning patterns in the upper-intermediate level of English through large-scale testing](#)

Arguelles-Alvarez, I; Martinez-Nunez, M  
32ND INTERNATIONAL CONFERENCE OF THE SPANISH ASSOCIATION OF APPLIED LINGUISTICS (AESLA): LANGUAGE INDUSTRIES AND SOCIAL CHANGE, 173 5-10; 10.1016/j.sbspro.2015.02.022 2015

### [Bias Correction for Distributed Bayesian Estimators](#)

Luengo, D; Martino, L; Elvira, V; Bugallo, M  
2015 IEEE 6TH INTERNATIONAL WORKSHOP ON COMPUTATIONAL ADVANCES IN MULTI-SENSOR ADAPTIVE PROCESSING (CAMSAP), 253-256; 2015

[Non-Cooperative Target Identification Based on Singular Value Decomposition](#)

Hernan-Vega, O; Lopez-Rodriguez, P; Escot-Bocanegra, D; Fernandez-Recio, R; Bravo, I

2015 16TH INTERNATIONAL RADAR SYMPOSIUM (IRS), 882-+; 2015

[Subir](#)

### Centro de Automática y Robótica (CAR)

[User-friendly task level programming based on an online walk-through teaching approach-Q4](#)

Brunete, A; Mateo, C; Gambao, E; Hernando, M; Koskinen, J; Ahola, JM; Seppala, T; Heikkila, T

INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL, 43 (2):153-163; 10.1108/IR-05-2015-0103 2016

[Combining RSS-based Trilateration Methods with Radio-Tomographic Imaging: Exploring the Capabilities of Long-range RFID Systems-](#)

Jimenez, AR; Seco, F

2015 INTERNATIONAL CONFERENCE ON INDOOR POSITIONING AND INDOOR NAVIGATION (IPIN), 2015

[A Context-Awareness Architecture for Managing Thermal Energy in an nZEB Building-](#)

Uribe, OH; Santos, M; Garcia-Alegre, MC; Guinea, D

2015 IEEE FIRST INTERNATIONAL SMART CITIES CONFERENCE (ISC2), 2015

[Subir](#)

### Centro de Biotecnología y Genómica de Plantas (CBGP)

[Plant-Herbivore Interaction: Dissection of the Cellular Pattern of Tetranychus urticae Feeding on the Host Plant – Q1](#)

Bensoussan, N; Santamaria, ME; Zhurov, V; Diaz, I; Grbic, M; Grbic, V

FRONTIERS IN PLANT SCIENCE, 7 10.3389/fpls.2016.01105 JUL 27 2016

[Modelling Infection Dynamics and Evolution of Viruses in Plant Populations](#)

Fraile, A; Garcia-Arenal, F

EXTENDED ABSTRACTS SPRING 2014: HAMILTONIAN SYSTEMS AND CELESTIAL MECHANICS; VIRUS DYNAMICS AND EVOLUTION, 89-93; 10.1007/978-3-319-22129-8\_16 2015

[Subir](#)

## Centro de Domótica Integral (CEDINT)

No hay documentos este mes.

[Subir](#)

### Centro de Electrónica Industrial (CEI)

[Power Losses Calculations in Windings of Gapped Magnetic Components: The i2D Method Applied to Flyback Transformers-](#)

Holguin, FA; Prieto, R; Asensi, R; Cobos, JA

2015 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE), 5675-5681; 2015

[Analysis and Design of an Isolated Single-Stage Three-Phase Full-Bridge with Current Injection Path PFC Rectifier for Aircraft Application-](#)

Zhao, S; Silva, M; Oliver, JA; Alou, P; Garcia, O; Cobos, JA

2015 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE), 6777-6784; 2015

[Adaptive Reconfigurable Voting for Enhanced Reliability in Medium-Grained Fault Tolerant Architectures-](#)

Veljkovic, F; Riesgo, T; de la Torre, E

2015 NASA/ESA CONFERENCE ON ADAPTIVE HARDWARE AND SYSTEMS (AHS), 2015

[Subir](#)

**Centro de Estudios e Investigación para la Gestión de Riesgos Agrarios  
Medioambientales (CEIGRAM)**

No hay documentos este mes.

[Subir](#)

**Centro de Materiales y Dispositivos Avanzados para Tecnologías de la Información y Comunicaciones (CEMDATIC)**

[Dielectric relaxation of vanadium-molybdenum tellurite glasses modified by alkaline-earth oxides-Q1](#)

Terny, S; di Pratula, PE; De Frutos, J; Frechero, MA

JOURNAL OF NON-CRYSTALLINE SOLIDS, 444 49-54; 10.1016/j.jnoncrysol.2016.04.041  
JUL 15 2016

[Tailoring the efficiency of ultrasonic transducers for physiotherapy-Q4](#)

Iglesias, E; Chinchurreta, F; de Frutos, J; de Espinosa, FM

FERROELECTRICS, 499 (1):83-89; SI 10.1080/00150193.2016.1172872 3 2016

[Integral Imaging Capture System With Tunable Field of View Based on Liquid Crystal Microlenses – Q2](#)

Algorri, JF; Urruchi, V; Bennis, N; Morawiak, P; Sanchez-Pena, JM; Oton, JM

IEEE PHOTONICS TECHNOLOGY LETTERS, 28 (17):1854-1857; 10.1109/LPT.2016.2572258  
SEP 1 2016

[Tungsten Oxide Layers of High Acoustic Impedance for Fully Insulating Acoustic Reflectors – Q1](#)

DeMiguel-Ramos, M; Diaz-Duran, B; Munir, J; Clement, M; Mirea, T; Olivares, J; Iborra, E

IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 63 (7):938-944; SI 10.1109/TUFFC.2015.2498968 JUL 2016

[Subir](#)



## Centro Láser

No hay documentos este mes.

[Subir](#)

## Centro de Investigación de Materiales Estructurales (CIME)

No hay documentos este mes.

[Subir](#)

## Tecnologías del Software y Sistemas Multimedia para la Sostenibilidad (CITSEM)

### [An Analysis of Techniques and Methods for Technical Debt Management: a Reflection from the Architecture Perspective-](#)

Fernandez-Sanchez, C; Garbajosa, J; Vidal, C; Yaguc, A

2015 IEEE/ACM 2ND INTERNATIONAL WORKSHOP ON SOFTWARE ARCHITECTURE AND METRICS (SAM), 22-28; 10.1109/SAM.2015.11 2015

### [Towards a Reference Architecture for Large-Scale Smart Grids System of Systems-](#)

Perez, J; Diaz, J; Garbajosa, J; Yague, A; Gonzalez, E; Lopez-Perea, M

THIRD INTERNATIONAL WORKSHOP ON SOFTWARE ENGINEERING FOR SYSTEMS-OF-SYSTEMS SESOS 2015, 5-11; 10.1109/SESOS.2015.9 2015

### [A Framework to Aid in Decision Making for Technical Debt Management-](#)

Fernandez-Sanchez, C; Garbajosa, J; Yague, A

2015 IEEE 7TH INTERNATIONAL WORKSHOP ON MANAGING TECHNICAL DEBT (MTD) PROCEEDINGS, 69-76; 2015

[Subir](#)

**Centro de tecnología Biomédica CTB**

[Experimental evidence of deterministic coherence resonance in coupled chaotic systems with frequency mismatch](#)-Q1

Garcia-Vellisca, MA; Pisarchik, AN; Jaimes-Reategui, R

PHYSICAL REVIEW E, 94 (1):10.1103/PhysRevE.94.012218 JUL 15 2016

[EXCITABILITY AND COMPLEX MIXED-MODE OSCILLATIONS IN STOCHASTIC BUSINESS CYCLE MODEL](#)-Q3

Bashkirtseva, I; Pisarchik, A; Ryashko, L; Ryazanova, T

ADVANCES IN COMPLEX SYSTEMS, 19 (1-2):10.1142/S0219525915500277 FEB-MAR 2016

[Dendritic branching angles of pyramidal cells across layers of the juvenile rat somatosensory cortex](#) – Q1

Leguey, I; Bielza, C; Larranaga, P; Kastanauskaite, A; Rojo, C; Benavides-Piccione, R; DeFelipe, J

JOURNAL OF COMPARATIVE NEUROLOGY, 524 (13):2567-2576; 10.1002/cne.23977 SEP 1 2016

[Bulk sensing performance comparison between silicon dioxide and resonant high aspect ratio nanopillars arrays fabricated by means of interference lithography](#) – Q1

Cornago, I; Hernandez, AL; Casquel, R; Holgado, M; Laguna, MF; Sanza, FJ; Bravo, J

OPTICAL MATERIALS EXPRESS, 6 (7):2264-2272; 10.1364/OME.6.002264 JUL 1 2016

[Assessing a cognitive rehabilitation environment based on interactive video and eye-tracking technologies-](#)

Martinez-Moreno, JM; Solana, J; Sanchez-Gonzalez, P; Gomez, EJ; Sanchez-Carrion, R; Lopez, J; Roig, T; Tormos, JM

2015 INTERNATIONAL CONFERENCE ON VIRTUAL REHABILITATION PROCEEDINGS (ICVR), 125-126; 2015

[A graph based characterization of functional resting state networks for patients with disorders of consciousness-](#)

Martinez, DE; Martinez, JH; Rudas, JE; Demertzi, A; Heine, L; Tshibanda, L; Soddu, A; Laureys, S; Gomez, F

2015 20TH SYMPOSIUM ON SIGNAL PROCESSING, IMAGES AND COMPUTER VISION (STSIVA), 2015

[A fast pathway for fear in human amygdale – Q1](#)

Mendez-Bertolo, C; Moratti, S; Toledano, R; Lopez-Sosa, F; Martinez-Alvarez, R; Mah, YH; Vuilleumier, P; Gil-Nagel, A; Strange, BA

NATURE NEUROSCIENCE, 19 (8):1041-+; 10.1038/nn.4324 AUG 2016

[Subir](#)

## Instituto de Fusión Nuclear (DENIM)

No hay documentos este mes.

[Subir](#)

### Instituto Universitario de Microgravedad "Ignacio da Riva" (IDR)

[Simplified elements for wind-tunnel measurements with type-III-terrain atmospheric boundary layer-Q2](#)

De Paepe, W; Pindado, S; Bram, S; Contino, F

MEASUREMENT, 91 590-600; 10.1016/j.measurement.2016.05.078 SEP 2016

[Subir](#)

## Instituto de Energía Solar (IES)

[Optimizing diffusion, morphology and minority carrier lifetime in Silicon for GaAsP/Si dual-junction solar cells-](#)

Garcia-Tabares, E; Rey-Stolle, I; Martin, D

PROCEEDINGS OF THE 2015 10TH SPANISH CONFERENCE ON ELECTRON DEVICES (CDE),  
26-U207; 2015

[Amorphous/crystalline silicon interface characterization by capacitance and conductance measurements-](#)

Garcia-Hernansanz, R; Garcia-Hemme, E; Montero-Alvarez, D; del Prado, A; Martil, I;  
Gonzalez-Diaz, G; Olea, J

PROCEEDINGS OF THE 2015 10TH SPANISH CONFERENCE ON ELECTRON DEVICES (CDE),  
37-U169; 2015

[Subir](#)



## Instituto Universitario de Investigación del Automóvil (INSIA)

[Fatigue life analysis of semitrailers. Fatigue testing bench and numerical simulation-Q4](#)

Alegre, MC; Herrer, LC; Litago, HM; Hernando, DV; Lafuente, CM; de Jalon, JG; Luque, P;  
Mantaras, DA; Alcalá, E; Martín, A

DYNA, 91 (4):406-412; 10.6036/7886 JUL-AUG 2016

[Subir](#)

**Instituto Universitario de Sistemas Optoelectrónicos y Microtecnología (ISOM)**

[Thermal stability study of AlGaIn/GaN MOS-HEMTs using Gd<sub>2</sub>O<sub>3</sub> as gate dielectric-](#)

Gao, Z; Romero, MF; Pampillon, MA; San Andres, E; Calle, F

PROCEEDINGS OF THE 2015 10TH SPANISH CONFERENCE ON ELECTRON DEVICES (CDE),  
78-U192; 2015

[Subir](#)

## Centro de Investigación del Transporte (TRANSYT)

No hay documentos este mes.

[Subir](#)