



PROFESSOR	PUBLICACIONES FILIACION UC3M
Bacharach, Stephen L.I.	<p>1. L Cussó, JJ Vaquero, S Bacharach, M Desco. "Comparison of Methods to Reduce Myocardial 18F-FDG Uptake in Mice: Calcium Channel Blockers versus High-Fat Diets". PLoS One, 9(9): e107999 (6pp), 2014.</p> <p>2. J.M. Mateos-Perez, C. Garcia-Villalba, J. Pascau, M. Desco, J.J. Vaquero, "jClustering, a n Open Framework for the Development of 4D Clustering Algorithms, Plos One, vol. 8, no. 8, 2013 http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0070797</p> <p>3. J.M. Mateos-Perez, M. Desco, M. Dae, J.J. Vaquero, "Automatic TAC extraction from dynamic cardiac PET imaging using iterative correlation from a population template" Computer Methods And Programs In Biomedicine, vol. 111, no. 2, pp.308-314, 2013</p> <p>Capítulo de libro: "Positron Emission Tomography". Libro: "Cardiac PET", 3rd Ed., edited by Vasken Dilsizian, Stephan Achenbach, Gerald Pohost John Wiley & Sons Limited, England, 2015 J.J. Vaquero and S.L. Bacharach</p> <p>Tesis doctorales: 1. Autora: Lorena Cussó Mula; Director(es): M Desco, JC Antoranz; Fecha: 2014 Titulo: Advantages and Applications of Quantitative Molecular Imaging 2. Autor: José María Mateos Pérez; Director(es): JJ Vaquero; Fecha: 2014 Titulo: Contributions to the quantitative analysis of dynamic PET studies using clustering approaches</p> <p>Proyectos a cuya consecución ha contribuido durante su estancia: "Tomografía por emisión de positrones y ultrasonidos (TOPUS)". S2013/MIT-3024. Comunidad de Madrid. 2014-2018</p>
Capasso, Vincenzo	<p>L.L. Bonilla, V. Capasso, M. Alvaro, y M. Carretero, "Hybrid modeling of tumor-induced angiogenesis". Phys. Rev. E {bf 90}, 062716 (2014) (11 pp). doi:10.1103/PhysRevE.90.062716.</p> <p>Gracias a la estancia del profesor Capasso, se ha iniciado una nueva línea de investigación y solicitado nuevos proyectos: Plan Estatal y red Marie S. Curie (ETN). Están programadas visitas a su grupo de investigación para seguir la investigación sobre angiogénesis.</p>



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Bucchi, Massimiano	<p>Artículos científicos</p> <ol style="list-style-type: none"> 1. “Norms, Competition And Visibility In Contemporary Science: The Legacy Of Robert K. Merton”, Journal of Classical Sociology, accepted for publication, in the press (Summer 2014). "http://jcs.sagepub.com/cgi/reprint/1468795X14558766v1.pdf?ikey=z0h1b8rLii5MGVo&keytype=finite" <p>Libros:</p> <ol style="list-style-type: none"> 1. M. Bucchi & Saracino B. (eds.), Anuario Ciencia Tecnologia e Società 2014 edizione speciale: Dieci anni di Scienza nella Società, Bologna, il Mulino, 2014 (pp. 240). 2. M. Bucchi & B. Trench (eds.), Handbook of Public Communication of Science and Technology, new fully revised, updated and expanded with 5 new chapters, London and New York: Routledge, to be published July 2014, pp.265. http://books.google.it/books?id=ArHcAwwAAQBAJ&pg=PA12&dq=bucchi+trench&hl=it&sa=X&ei=OkLiU_zBNljmyQPkkYH4Cw&ved=0CDQQ6AEwAQ#v=onepage&q=santander&f=false 3. M. Bucchi, Innovation Moments. Tecnologia, Società, Cultura, to be published by Guanda in January 2015. <p>Capítulos de libros</p> <ol style="list-style-type: none"> 1. M. Bucchi, & B. Trench “Introduction”, chapter in Handbook of Public Communication of Science and Technology 2. M. Bucchi, B. Trench et al., « Global Spread of Science Communication », chapter in Handbook of Public Communication of Science and Technology 3. Con Saracino B. (a cura di), Anuario Ciencia Tecnologia e Società 2014 edizione speciale: Dieci anni di Scienza nella Società, Bologna, il Mulino, 2014 (pp. 240). 4. With B. Saracino, ""Gli italiani, la scienza e le tecnologie: dieci tendenze che hanno segnato il rapporto tra cittadini e scienza, 2002-2013"" in M. Bucchi, B. Saracino (a cura di), Anuario Ciencia e Società 2014. Bologna, Il Mulino, 2014, p. 15-54. 5. Con B. Trench, ""Scienza, tecnologia e società: dieci parole chiave"" in M. Bucchi, B. Saracino (a cura di), Anuario Ciencia Tecnologia e Società 2014, Bologna: Società Editrice Il Mulino, 2014, p. 97-111.
Carreras, Benjamin A.	<ol style="list-style-type: none"> 1. “Characterization of the transport-relevant topological structures in plasma turbulence flows” B. A. Carreras, L. Garcia, I. Llerena, and I. Calvo, Submitted to PRE 2. “Topological characterization of the transition from laminar regime to fullydeveloped turbulence in the resistive pressure-gradient-driven turbulence model” L. Garcia, B. A. Carreras, I. Llerena, and I. Calvo, Submitted to PRE 3. “Zonal flows and long-distance correlations during the formation of the edge shear layer in the TJ-II stellarator” I. Calvo , B. A. Carreras, L. Garcia, M. A. Pedrosa, and C. Hidalgo, Plasma. Phys. Control. Fusion 51, 065007 (2009). 4. “The impact of risk-averse operation on the likelihood of extreme events in a simple model of infrastructure.” B. A. Carreras, D. E. Newman, I. Dobson, and M. Zeidenberg, Submitted to CHAOS. 5. ""Maintenance and Replacement as Separate Tasks in an Organization Managing aComplex System". B. A. Carreras, D. E. Newman, Matthew Zeidenberg, and IanDobson, submitted to Journal of the Operational Research Society. 6. “Dynamics of an Economics model for Generation Coupled to the OPA power transmission model” B. A. Carreras, D. E. Newman, Matthew Zeidenberg, and Ian Dobson, submitted to the Proceedings of the 43rd Hawaii International Conference on System Sciences, Hawaii, Hawaii, Jan. 2010. 7. L. García, B.A. Carreras, and I. Llerena, “Analysis of particle tracer trajectories in resistive pressure-gradient-driven turbulence in cylindrical geometry”, Proceedings of the 41st EPS Conference on Plasma Physics, http://ocs.ciemat.es/EPS2014PAP/pdf/P2.035.pdf 8. L. García, I. Llerena-Rodriguez and B.A. Carreras, Width and rugosity of the topological plasma flow structures and their relation to the radial flights of particle tracers"



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Jackson, David	<p>Volúmenes SPIE. Autores (p.o. de firma): Jose A. Garcia-Souto; Pedro Martin-Mateos; Julio E. Posada; Pablo Acedo; David A. Jackson Título: 'Evaluation of a 1540nm VCSEL for fibre Bragg gratings interrogation in dynamic measurement applications' Revista: Proceedings of SPIE. 23rd International Conference on Optical Fiber Sensors (Santander, Spain). Eds: José M. López-Higuera; Julian D. C. Jones; Manuel López-Amo; José L. Santos Volumen: 9157 Páginas, inicial: 3A-1, final: 3A-4 Fecha: 06/2014 Lugar de publicación: Estados Unidos (USA)</p> <p>Congresos Internacionales. "IEEE Sensors Conference" Autores: David A. Jackson, Julio E. Posada Román, José A. García Souto Título: New Topologies for Fiber Laser Non-Contact Vibrometers Tipo de participación: Presentación Oral Publicación: Proceedings of IEEE Sensors Conference 2014 Lugar celebración: Valencia, Spain Fecha: 11/2014</p> <p>Movilidad: Estancias en centros extranjeros. UNIVERSITY OF KENT (CANTERBURY), School of Physical Sciences, Applied Optics Group Investigador: Julio E. Posada Román Fecha: Junio 2014 Duración (semanas): 12 Tema: Desarrollo e instalación de un sistema de instrumentación con 4 sensores ópticos de vibración sin contacto (non-contact fiber laser vibrometers) para el estudio de impactos de proyectiles ligeros en régimen de hipervelocidad (1 km/s - 8.4 km/s) contra materiales de estructuras aespaciales. Instalado en el cañón de gas ligero (LGG, Ligth Gas Gun) de las instalaciones soportadas por la NASA situadas en Kent. El sensor óptico sin contacto está basado en un interferómetro heterodino y su extensión a una versión con múltiples canales, conforme a los desarrollos en la Universidad Carlos III de Madrid, y acceso con fibra óptica hasta la región de medida. Permite construir un perfil dinámico de la deformación producida por el impacto en el material. Clave: Doctorado</p> <p>Visitas: UNIVERSITY OF KENT (CANTERBURY), School of Physical Sciences, Applied Optics Group Profesor: José A. García Souto Fecha: 10-11 Septiembre 2014 Tema: Developments of non-contact fiber laser vibrometer; future collaborations</p>



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Mantovani, Dario	<p>Libro en prensa: "Veteres. Lo sguardo dei giuristi romani sulla propria storia, in <i>Imagines Antiquitatis. Rappresentazioni dell'Antico, tra antichità e prima età moderna</i>", a cura di C. Mussini - S. Rocchi, ed. DeGruyter.</p>
Räisänen, Antti	<p>Publications resulted from the collaboration due to the Cátedra of Excelencia hold by Prof. Antti V. Räisänen:</p> <ol style="list-style-type: none"> 1. A. Rivera-Lavado, S. Preu, L.E. García-Muñoz, A. Generalov, J. Montero-de-Paz, G. Döhler, D. Lioubtchenko, M. Méndez-Aller, F. Sedlmeir, M. Schneiderei, H.G.L. Schwefel, S. Malzer, D. Segovia-Vargas, and A.V. Räisänen, "Dielectric rod waveguide antenna as THz emitter for photomixing devices," to appear in <i>IEEE Transactions on Antennas and Propagation</i>, Maarch 2015. 2. L. García Muñoz, J. Montero de Paz, A. Rivera Lavado, I. Cámara Mayorga, R. Güsten, A. Generalov, D. Lioubtchenko, P. Acedo Gallardo, C. de Dios, R. Criado, E. Ugarte Muñoz, A. Räisänen, and D. Segovia Vargas, "THz antenna array based on photomixers for radioastronomy applications," in <i>Proceedings of the 7th European Conference on Antennas and Propagation (EuCAP 2013)</i>, Gothenburg, Sweden, April 8-12, 2013, pp. 442-445. 3. L.E. García Muñoz, S. Preu, A. Rivera-Lavado, S. Malzer, G. Döhler, A.A. Generalov, M. Mendez Aller, D. Lioubtchenko, A.V. Räisänen, and D. Segovia Vargas, "New antenna topology coupled to a new waveguide structure for THz radiation and propagation," in <i>The 38th International Conf. on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz</i>, Mainz, Germany, Sept. 1-6th, 2013. 4. A.V. Räisänen, A.A. Generalov, D.V. Lioubtchenko, A. Rivera-Lavado, M. Méndez-Aller, L.E. García-Muñoz, D. Segovia-Vargas, and S. Preu, "Dielectric rod waveguide as an enabling technology for THz frequencies," <i>8th European Conference on Antennas and Propagation, EuCAP2014</i>, The Hague, The Netherlands, 6-11 April, 2014, paper no. 1569852977 5. A. Rivera-Lavado, S. Preu, L.E. García-Muñoz, A. Generalov, J. Montero-de-Paz, G. Döhler, D. Lioubtchenko, M. Méndez-Aller, S. Malzer, D. Segovia-Vargas, and A.V. Räisänen, "Ultra-wideband dielectric rod waveguide antenna as photomixer-based THz emitter," <i>8th European Conference on Antennas and Propagation, EuCAP2014</i>, The Hague, The Netherlands, 6-11 April, 2014, paper no. 1569858579 6. A.V. Räisänen, A.A. Generalov, D.V. Lioubtchenko, A. Rivera-Lavado, M. Méndez-Aller, L.E. García-Muñoz, D. Segovia-Vargas, and S. Preu, "Dielectric rod waveguide antennas and their applications at mm-wave and THz frequencies," <i>Global Symposium on Millimeter Waves, GSMM2014</i>, Seoul, Korea, May 21-23, 2014. 7. G. Carpintero, L.E. Garcia Munoz, S. Preu, H. Hartnagel, and A.V. Räisänen (eds.) <i>Semiconductor THz Technology: From Components to Systems</i>, John Wiley & Sons, London, 2015, 450 pages. <p>Research exchange stays between students and researchers:</p> <ol style="list-style-type: none"> 1. A. Rivera-Lavado. From 15.02.2013 to 16.06.2013. Co-paid stay in Aalto University at Aalto University. 2. A. Rivera- Lavado. From 18.02.2014 to 17.08.2014. ESF NEWFOCUS exchange stay grant at Aalto University. 3. A. Rivera- Lavado. From 1.05.2015 to 15.05.2015. ESF NEWFOCUS short visit grant (planned) at Aalto University. 4. D. Lioubtchenko. Summer 2013. Scientific mission VISTA COST at UC3M."



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Schulze, Reiner	<p>Artículos: 1. "Nuevos rasgos del Derecho privado en Europa", está prevista su publicación en la Revista de Derecho Privado</p> <p>Capítulos: "Conclusion of Contract", en el volumen "International Sales Law", editado por Di Matteo/Janssen/Magnus/Schulze, de próxima aparición en 2015. "</p>
Velastin Carroza, Sergio Alejandro	<p>Papers accepted 1: 1. N. Buch, S.A. Velastin, "Local Feature Saliency Classifier for Real- Time Intrusion Monitoring", SPIE 's Optical Engineering 2. F. Yin, D. Makris, S.A. Velastin, T. Ellis, "Learning Multi-Planar Scene Models in Multi Camera Video Scenes", IET Computer Vision journal (in print)</p> <p>Papers in review (accepted subject to changes): 1. F. Yin, D. Makris, S.A. Velastin, T. Ellis, "Calibration and Object Correspondence in Camera Networks with Widely Separated Overlapping Views", IET Computer Vision journal (second revision sent 7th July)</p> <p>Papers submitted: 1. Panagiotis Sourtzinis, James Amos, Sergio A. Velastin, Dimitrios Makris, "Foot Localisation for Accurate Pedestrian Speed Estimation", submitted to EURASIP, April 2014</p> <p>Papers in preparation for submission: 1.D Simonnet, S.A Velastin, J. Orwell, "A Generic Framework for Evaluating Tracking Algorithms within the Image Domain in Crowded Environments", Journal to be decided</p>