



PROFESSOR	PUBLICACIONES FILIACION UC3M
Barbero, Ever José	<p>[1] E. J. Barbero, Marta M. Moure(*), Sonia Sánchez-Sáez(#), Enrique Barbero-Pozuelo(#), Análisis de la localización del daño en laminados empleando un modelo de daño discreto, p. 409–414, MATCOM XIII, Algeciras, Spain, July 2–5, 2013.</p> <p>[2] A.M. Abad Blazquez(*), M.Herraez Matesanz(*), C. Navarro Ugena(#), and E. J. Barbero, Acoustic emission characterization of intralaminar damage in composite laminates, p. 33–38, MATCOM XIII, Algeciras, Spain, July 2–5, 2013.</p> <p>[3] E. J. Barbero and F. A. Cosso, Determination of Material Parameters for Discrete Damage Mechanics Analysis of Carbon-Epoxy Laminates, Composites Part B (2014) pp. 638–646, http://dx.doi.org/10.1016/j.compositesb.2013.08.084</p> <p>[4] E. J. Barbero, F. A. Cosso(##), and X. Martinez(##), Identification of Fracture Toughness for Discrete Damage Mechanics Analysis of Glass-Epoxy Laminates, Applied Composite Materials (2014) pp. x–xx, http://dx.doi.org/10.1007/s10443-013-9359-</p> <p>[5] Marta M. Moure(*), Shirley K. García-Castillo(#), Sonia Sánchez-Sáez(#), Enrique Barbero(#), Ever J. Barbero, Size effects on damage evolution in open-hole composite laminates, Abstract submitted to European Conference on Composite Materials, ECCM16, June 2014, Sevilla, Spain.</p> <p>[6] Marta M. Moure(*), Sonia Sanchez-Saez(#), Enrique Barbero(#), and E. J. Barbero. Analysis of damage localization in composite laminates using a discrete damage model. Composites Part B, 66: 224-232, 2014. http://dx.doi.org/10.1016/j.compositesb.2014.05.015</p> <p>(*) Student (UC3M) (#) Professor at host institution (UC3M) (##) Co-author from another institution in Spain</p>
Barceló y Batiste, Pedro	<p>1. Das römische Reich im religiösen Wandel der Spätantike: Kaiser und Bischöfe im Widerstreit, Editorial Pustet Regensburg 2013, 220 paginas Historia del pensamiento politico griego: teoria y praxis, Editorial Trotta Madrid 2014, 354 paginas.</p>
Kroo, Andras	<p>1) Bulletin Mathematical Sciences 3 (2013), 349-361 Bernstein type inequalities on star-like domains in R^d with application to norming sets 2) Journal of Mathematical Analysis and Applications, 407 (2013), 147-156 On L_p multiple orthogonal polynomials 3) Journal of Approximation Theory, 181 (2014), 1-5 A note on strong asymptotics of weighted Chebyshev polynomials</p>
Lobato García-Miján, Ignacio N.	<p>1. Frequency Domain Minimum Distance Estimation of Possibly Noninvertible and Noncausal ARMA models Carlos Velasco and Ignacio N. Lobato. Universidad Carlos III de Madrid and Instituto Tecnológico Autónomo de México February 13, 2015 Congreso Mundial de la Sociedad Econométrica (Montreal, agosto 2015)."</p>



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Meissner, Peter	<ol style="list-style-type: none">1. Experimental Study of VCSEL-Based Optical Frequency Comb Generators Estefanía Prior Cano, Cristina de Dios Fernandez, Ángel Rubén Criado Serrano, Markus Ortsiefer, Peter Meissner, and Pablo Acedo, Member, IEEE. IEEE PHOTONICS TECHNOLOGY LETTERS, VOL. 26, NO. 21, NOVEMBER 1, 20142. Continuous wave sub-THz photonic generation with VCSEL-based optical frequency comb E. Prior, Á.R. Criado, C. de Dios, P. Acedo, M. Ortsiefer and P. Meissner. ELECTRONICS LETTERS 18th July 2013 Vol. 49 No. 153. The ZS International Conference on Infrared, Millimeter and Terahertz Waves IRMMW-THz 2013 Mainz on the Rhine, September 1st - 6th Photonic generation of CW sub-THz and THz waves using an efficient Gain-Switching based VCSEL optical frequency comb A. R. Criado, C. de Dios, E. Prior, P. Acedo, Markus Ortsiefer and P. Meissner""Chair of Excellence"", Electronics Technology Department, Universidad Carlos III de Madrid. Madrid. Spain4. E. Prior, C. de Dios, A. R. Criado, M. Ortsiefer, P. Meissner, P. Acedo 'Dynamics of Dual-polarization VCSEL-based Optical Frequency Combs under Optical Injection Locking' Optics Letters, Vol. 41, N° 17, pp. 4083-4086, (2016)5. E. Prior, C. de Dios, A. R. Criado, M. Ortsiefer, P. Meissner, P. Acedo 'Expansion of VCSEL-based optical frequency combs in the sub-THz span: comparison of non-linear techniques' Journal of Lightwave Technology, Vol. 34, N° 17, pp. 4135-4142 (2016)6. E. Prior, C. de Dios, M. Ortsiefer, P. Meissner, P. Acedo 'Understanding VCSEL-based Gain Switching optical frequency combs: experimental study of polarization dynamics' Journal of Lightwave Technology, Vol. 33, N° 22, pp. 4572-4579 (2015)7. E. Prior, C. de Dios, Á. R. Criado, M. Ortsiefer, P. Meissner, P. Acedo 'Experimental study of VCSEL-based Optical Frequency Comb Generators' IEEE Photonics Technology Letters, Vol. 26, N° 21, pp. 2118-2121 (2014)8. A.R. Criado; C. de Dios, E. Prior, M. Ortsiefer, P. Meissner, P. Acedo 'VCSEL-Based Optical Frequency Combs: Toward Efficient Single-Device Comb Generation' IEEE Photonics Technology Letters, Vol.25, No.20, pp. 1981 - 1984, (2013)9. E. Prior; Á.R. Criado; C. de Dios, P. Acedo, M. Ortsiefer; P. Meissner. 'Continuous wave sub-THz photonic generation with a VCSEL-based Optical Frequency Comb' Electronics Letters, Vol. 49, No 15, pp. 944-945 (2013)



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Melnik, Roderick	<ol style="list-style-type: none">1. S. Prabhakar, R. Melnik, L. L. Bonilla y S. Badu, ``Thermoelectromechanical effects in relaxed-shape graphene and band structures of graphene quantum dots". Phys. Rev. B 90, 205418 (2014) (7 pp). doi:10.1103/PhysRevB.90.205418.2. S. Prabhakar, R. Melnik, y L.L. Bonilla, ``Gate control of Berry phase in III-V semiconductor quantum dots". Phys. Rev. B 89, 245310 (2014) (10 pp). doi:10.1103/PhysRevB.89.245310.3. S. Prabhakar, R. Melnik, L.L. Bonilla, y J.E. Reynolds, ``Spin echo dynamics under an applied drift field in graphene nanoribbon superlattices". Appl. Phys. Lett. 103, 233112 (2013) (5 pp). doi:10.1063/1.4836395.4. M. Alvaro, L.L. Bonilla, M. Carretero, R.V.N. Melnik y S. Prabhakar, ``Transport in semiconductor nanowire superlattices described by coupled quantum mechanical and kinetic models". J. Phys.: Cond. Matt. 25, 335301 (2013) (10 pp). doi:10.1088/0953-8984/25/33/335301.5. S. Prabhakar, R. Melnik y L.L. Bonilla, ``Coupled multiphysics, barrier localization, and critical radius effects in embedded nanowire superlattices". J. Appl. Phys. 113, 244306 (2013) (12 pp). doi:10.1063/1.4812291.6. S. Prabhakar, R. Melnik y L.L. Bonilla, ``Spin transition rates in nanowire superlattices: Rashba spin-orbit coupling effects". J. Phys. D: Appl. Phys. 46, 265302 (2013) (6 pp). doi:10.1088/0022-3727/46/26/265302.7. S. Prabhakar, R. Melnik y L.L. Bonilla, ``Electrical control of phonon-mediated spin relaxation rate in semiconductor quantum dots: Rashba versus Dresselhaus spin-orbit coupling". Phys. Rev. B 87, 235202 (2013) (6 pp). doi:10.1103/PhysRevB.87.235202.8. S. Prabhakar, R. V. N. Melnik y L. L. Bonilla, ``The influence of anisotropic gate potentials on the phonon induced spin-flip rate in GaAs quantum dots". Appl. Phys. Lett. 100, 023108 (2012) (3 pp). doi:10.1063/1.3675620. <p>8. Workshop internacional en Bafff (Canada) del 28 de agosto al 2 de septiembre de 2016. Organizadores: L.L. Bonilla (UC3M), R. Melnik (Wilfried Laurier U.), T. Kaxiras (Harvard). Título: Coupled Mathematical Models for Physical and Biological Nanoscale Systems and Their Applications. Institución: Banff International Research Station (BIRS). Participarán 42 investigadores, todos por invitación.</p>



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Parry, Andrew O.	<ol style="list-style-type: none">1. "Density functional study of complete, first order and critical wedge filling transitions" A. Malijevisky and A.O. Parry. To appear J. Phys; Cond. Matt (2013).2. "A finite-size scaling study of wedge filling transitions in the 3D Ising model" J. M. Romero-Enrique, et al Soft Matter, 2013, 9 (29), 7069 - 7075.3. " The order of condensation in capillary grooves" , C. Rascon, A. O. Parry, et al J. Phys; Cond. Matt 2013, Vol:25, 0953-8984 (1013).4. "Intrinsic interfaces and non-locality" E. Fernandez, E. Chacon, P. Tarazona, A. O. Parry and C. Rascon. In submission to Physical Review Letters.5. "The structure of correlation functions in the interfacial region and scaling of the rigidity", A. O. Parry and C. Rascon, in preparation.6. Renormalization group calculations for wetting transitions of infinite order and continuously varying order: Local interface Hamiltonian approach, J. O. Indekeu, K. Koga, H. Hooyberghs and A. O. Parry. Physical Review E (2013) to appear. "