

**PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS EN EL PROGRAMA DE
DOCTORADO EN “SISTEMAS ELECTRÓNICOS AVANZADOS. SISTEMAS
INTELIGENTES” EN EL AÑO 2015**

Doctorando	Eduardo Forniés García
Fecha lectura	21/01/2015
<ul style="list-style-type: none"> - E.Forniés, F.B. Naranjo, M. Mazo, F. Ruiz "<i>The influence of mismatch of solar cells on relative power loss of photovoltaic modules</i>". Solar Energy. 2013, vol 97, p. 39-47 - E. Forniés, J. L. Balenzategui, M. A. Alonso-García, J. P. Silva. "<i>Method for module Rsh determination and its comparison with standard methods</i>" Solar Energy 109, 2014, 189-199 	

Doctorando	David Jiménez Cabello
Fecha lectura	13/02/2015
<ul style="list-style-type: none"> - D. Jimenez, D. Pizarro, M. Mazo, S. Palazuelos (2014). "<i>Modelling and Correction of Multipath Interference in Time of Flight Cameras</i>". Image and Vision Computing, 32(1), pp: 1- 13 - D. Jimenez, D. Pizarro, M. Mazo (2014). "<i>Single Frame Correction of Motion Artifacts in PMD-based Time of Flight Cameras</i>". Image and Vision Computing, 32(12), pp. 1127-1143 	

Doctorando	Laura Monteagudo Lerma
Fecha lectura	6/03/2015
<ul style="list-style-type: none"> - L. Monteagudo-Lerma, F.B. Naranjo, M. González-Herráez, S. Fernández, "<i>Influence of substrate biasing on the growth of c-axis oriented AlN thin films by RF reactive sputtering in pure nitrogen</i>" (ISSN:1610-1642). physica status solidi (c). 2012, vol 9, núm 3-4, p. 1074-1078 - L. Monteagudo-Lerma, S. Valdueza-Felip, F. B. Naranjo, P. Corredera, L. Rapenne, E. Sarigiannidou, G. Strasser, E. Monroy, M. González- Herráez, "<i>Waveguide saturable absorbers at 1.55 μm based on intraband transitions in GaN/AlN QDs</i>". Optics Express. 2013, vol 23, núm 21, p. 27578-27586 - L. Monteagudo-Lerma, S. Valdueza-Felip, A. Núñez-Cascajero, M. González-Herráez, E. Monroy, F.B. Naranjo. "<i>Two-step method for the deposition of AlN by radio-frequency sputtering</i>" (ISSN:0040-6090). Thin Solid Films. 2013, núm 545, p. 149-15. - L. Monteagudo-Lerma, F.B. Naranjo Vega, M. Jiménez Rodríguez, P.A. Postigo, E. Barrios, P. Corredera, M. González-Herráez, "<i>InN-based optical waveguides developed by RF sputtering for all-optical applications at 1.55 μm</i>". IEEE Photonics Technology Letters. 2015, vol 27, núm 17, p. 1857-1860. 	

- L. Monteagudo-Lerma, F. B. Naranjo, S. Valdueza-Felip, M. Jiménez-Rodríguez, E. Monroy, P. A. Postigo, P. Corredera, M. González-Herráez, "III-nitride-based waveguides for ultrafast all-optical signal processing at 1.55 μm " *physica status solidi (a)* 213 (5) p. 1269-1275
- L. Monteagudo-Lerma, S. Valdueza-Felip, A. Ruiz, M. González-Herráez, E. Monroy, F.B. Naranjo, A. Núñez-Cascajero, "Morphology and arrangement of InN nanocolumns deposited by radio-frequency sputtering: effect of the buffer layer". *Journal of Crystal Growth*. 2015, vol 434, p. 13-18

Doctorando	Matías Calcerrada Guerreiro
Fecha lectura	10/07/2015
<ul style="list-style-type: none"> - M. Calcerrada, M. González-Herráez, C. García-Ruiz, "Successive injection in microstructured-capillary electrophoresis for rapid pairwise comparisons. Application to questioned documents". <i>Microchemical Journal</i>, 139, pp. 416-423 (2018) - F. Ortega-Ojeda, M. Calcerrada, A. Ferrero, J. Campos, C. Garcia-Ruiz, "Measuring the human ultra-weak photon emission distribution using an electron-multiplying, charge-coupled device as a sensor". <i>Sensors (Switzerland)</i>, 18 (4), art. no. 1152 (2018) - V. D'Elia, M. Calcerrada, G. Montalvo, C. García Ruiz, "Monitoring of the stability of cocaine and some metabolites in water and oral fluid by a newly developed CE method". <i>Electrophoresis</i>, 38 (8), pp. 1217-1223 (2017). - M. Calcerrada, M. González-Herráez, C. García-Ruiz, "Recent advances in capillary electrophoresis instrumentation for the analysis of explosives". <i>TrAC - Trends in Analytical Chemistry</i>, 75, pp. 75-85. (2016) - M. Calcerrada, C. García-Ruiz, M. González-Herráez, "Chemical and biochemical sensing applications of microstructured optical fiber-based systems". <i>Laser and Photonics Reviews</i>, 9 (6), pp. 604-627. (2015) - M. Calcerrada, M.A., Fernández de la Ossa, P. Roy, M. González-Herráez, C. García-Ruiz, "A microstructured capillary electrophoresis method for nitrocellulose detection in dynamite". <i>Microchemical Journal</i>, 123, pp. 218-223 (2015) - M. Calcerrada, C. García-Ruiz, "Analysis of questioned documents: A review". <i>Analytica Chimica Acta</i>, 853 (1), pp. 143-166. (2015) - M. Calcerrada, M. González-Herráez, C. Garcia-Ruiz, "A microdestructive capillary electrophoresis method for the analysis of blue-pen-ink strokes on office paper". <i>Journal of Chromatography A</i>, 1400, pp. 140-148 (2015) - M. Calcerrada, M.A.F. de la Ossa, P. Roy, M. González-Herráez, C. García-Ruiz, "Fundamentals on new capillaries inspired by photonic crystal fibers as optofluidic separation systems in CE". 	

Electrophoresis, 36 (3), pp. 433-440. (2015)

- M. Calcerrada, P. Roy, C. García-Ruiz, M. González-Herráez, *“Photonic crystal fibres as efficient separation component in capillary electrophoresis”*. Sensors and Actuators, B: Chemical, 191, pp. 264-269. (2014)
- F. Alamilla, M. Calcerrada, C. García-Ruiz, M. Torre, *“Forensic discrimination of blue ballpoint pens on documents by laser ablation inductively coupled plasma mass spectrometry and multivariate analysis”*. Forensic Science International, 228 (1-3), pp. 1-7. (2013)
- F. Alamilla, M. Calcerrada, C. García-Ruiz, M. Torre, *“Validation of an analytical method for the refractive index measurement of glass fragments. Application to a hit-and-run incident”*. Analytical Methods, 5 (5), pp. 1178-1184. (2013)

Doctorando	Jorge García Castaño
Fecha lectura	18/09/2015
<ul style="list-style-type: none"> - J. García; A. Gardel; I. Bravo; J.L. Lázaro; M. Martínez; D. Rodríguez, <i>“Detección y seguimiento de personas basado en estereovisión y filtro de kalman”</i>. RIAI - Revista Iberoamericana de Automática e Informática Industrial, 9 (4), pp. 453-461. (2012) - J. García, A. Gardel, I. Bravo, J.L. Lázaro, M. Martínez, <i>“Tracking people motion based on extended condensation algorithm”</i>, IEEE Transactions on Systems, Man, and Cybernetics Part A:Systems and Humans, 43 (3), pp. 606-618. (2013). - J. Garcia, A. Gardel, I. Bravo, J.L. Lázaro, <i>“Multiple view oriented matching algorithm for people reidentification”</i>. IEEE Transactions on Industrial Informatics, 10 (3), art. no. 6834787, pp. 1841-1851 (2014). - J. García, N. Martinel, A. Gardel, I. Bravo, G.L. Foresti, C. Micheloni, <i>“Modeling feature distances by orientation driven classifiers for person re-identification”</i>. Journal of Visual Communication and Image Representation, 38, pp. 115-129 (2016) - J. García, N. Martinel, A. Gardel, I. Bravo, C. Micheloni, G. L. Foresti, <i>“Discriminant Context Information Analysis for Post-Ranking Person Re-Identification”</i>. : IEEE Transactions on Image Processing, 26(4), 1650-1665 (2017) 	

Doctorando	Carlos Santos Pérez
Fecha lectura	17/10/2015
<ul style="list-style-type: none"> - C. Santos Pérez; F. Espinosa Zapata; J. Echevarria; M. Marrón Romera; C. Losada Gutiérrez; D. Pizarro Pérez, <i>“Digital implementation of a self-triggered control approach for a mechatronic platform: experimental results”</i>. International Journal of Intelligent Machines and Robotics. 1 - 1, pp. 60 – 78 (2018). 	

- C. Santos Pérez; M. Martínez Rey; F. Espinosa Zapata; A. Gardel Vicente; E. Santiso, “*Event-Based Sensing and Control for Remote Robot Guidance: An Experimental Case*”. Sensors. 17 - 2034, pp. 1 -20. (Switzerland): Sensors (2017)
- C. Santos Pérez; F. Espinosa Zapata; E. Santiso; M. Mazo Jr., “*Aperiodic linear networked control considering variable channel delays: application to robot coordination*”. Sensors. 15, pp. 12454 - 12473. (Switzerland): Sensors (2015).
- C. Santos Pérez; M. Mazo Espinosa; F. Espinosa Zapata. “*Adaptive Self-triggered Control of a Remotely Operated P3-DX Robot: Simulation and Experimentation*”. Robotics and Autonomous Systems. 62, pp. 847 – 854 (2015)

Doctorando	Mariano Manzano Vázquez
Fecha lectura	30/10/2015
<ul style="list-style-type: none"> - M. Manzano, F. Espinosa, Á.M. Bravo, A. Gardel. “<i>Cognitive self-scheduled mechanism for access control in noisy vehicular ad-hoc networks</i>” (2015). Mathematical Problems in Engineering. Hindawi. Special Issue: Recent Advances on the Theory and Applications of Networked Control Systems - M. Manzano, F. Espinosa, Á.M. Bravo, E. Santiso, I. Bravo, D. García. “<i>Dynamic cognitive self-organized TDMA for medium access control in real-time vehicle to vehicle communications</i>” (2013). Mathematical problems in engineering. Hindawi. Vol 2013, art 574528 pages.13. 	