

**PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS EN EL PROGRAMA DE
DOCTORADO EN TECNOLOGÍAS DE LA INFORMACIÓN Y LAS COMUNICACIONES EN
EL AÑO 2012**

Doctorando	Hilario Gómez Moreno
Tesis	Estudio, diseño y optimización de algoritmos para la aplicación de técnicas de aprendizaje estadístico al procesado digital de imágenes
Director	Saturnino Maldonado Bascón
Fecha lectura	22/02/2012
Calificación	Sobresaliente cum laude
<ol style="list-style-type: none"> 1. S. Maldonado Bascón, S. Lafuente Arroyo, P. Gil Jiménez, H. Gómez Moreno, F. López Ferreras, "Road-Sign Detection and Recognition based on Support Vector Machines," IEEE Transactions on Intelligent Transportation Systems, vol. 8-2, 2007. (JCR: 4.051) 2. H. Gómez-Moreno, S. Maldonado-Bascón, P. Gil-Jiménez and S. Lafuente-Arroyo, "Goal Evaluation of Segmentation Algorithms for Traffic Sign Recognition," in IEEE Transactions on Intelligent Transportation Systems, vol. 11, no. 4, pp. 917-930, Dec. 2010.(JCR: 4.051) 3. Hilario Gómez-Moreno, Pedro Gil-Jiménez, Sergio Lafuente-Arroyo, Roberto López-Sastre, and Saturnino Maldonado-Bascón, "A "Salt and Pepper" Noise Reduction Scheme for Digital Images Based on Support Vector Machines Classification and Regression," The Scientific World Journal, vol. 2014, Article ID 826405, 15 pages, 2014. (JCR(2013): 1.219) 	

Doctorando	Esther Andrés Pérez
Tesis	New strategies for the aerodynamic design optimization of aeronautical configurations through soft-computing techniques
Directores	Sancho Salcedo Sanz y Carlos Lozano Rodríguez
Fecha lectura	10/07/2012
Calificación	Sobresaliente <i>cum laude</i>
<ol style="list-style-type: none"> 1. E. Andrés-Pérez, S. Salcedo-Sanz, F. Monge and A. M. Pérez-Bellido, "Efficient aerodynamic design through evolutionary programming and support vector regression algorithms," Expert Systems with Applications, vol. 39, no. 12, pp. 10700-10708, 2012. (JCR: 2.908) 2. E. Andrés-Pérez, D. González-Juárez, M. J. Martín-Burgos, L. Carro-Calvo and S Salcedo-Sanz, "Influence of the number and location of design parameters in the aerodynamic optimization of aeronautical configurations through EAs and SVMs," Engineering Optimization, in press, 2016. (JCR: 1.076) 3. C. Lozano, E. Andrés-Pérez, M. Martín and P. Bitrián, "Domain versus boundary computation of flow sensitivities with the continuous adjoint method for aerodynamic shape optimization problems," International Journal for Numerical Methods in Fluids, vol. 70, pp. 1305-1323, 	

2012. (JCR: 1.060)

4. M. Martín, E. Andrés-Pérez, C. Lozano and M. Widhalm, "Non-uniform rational B-splines based aerodynamic shape design optimization with the DLR TAU code," Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, vol. 226, pp. 1225-1242, 2012. (JCR: 0.420)