

# PROJECT MICINN

## Publication 2011

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### **1. Manuel Graña, Darya Chyzyk, Maite García-Sebastián, Carmen Hernández**

- ▶ Lattice Independent Component Analysis for functional Magnetic Resonance Imaging  
Information Sciences 181 (2011), pp. 1910-1928. Impact factor JCR (2008): 3.095 (2009) 3.291

### **2. Darya Chyzyk, Manuel Graña**

- ▶ Optimal Hyperbox shrinking in Dendritic Computing applied to Alzheimer's Disease detection in MRI  
Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2011), Salamanca, Spain. 6-8th April, 2011.

### **3. Darya Chyzyk, Manuel Graña, Alexandre Savio, Josu Maiora**

- ▶ Hybrid Dendritic Computing with Kernel-LICA applied to Alzheimer's Disease detection in MRI  
Neurocomputing, 2012, Volumen 75, issue 1, pp. 72-77  
doi:10.1016/j.neucom.2011.02.024 ISSN 0925-2312 ISI JCR  
(2006) 0.860, (2007) 0.865, (2008) 1.234 (2009) 1.440

### **3. Darya Chyzyk, Ann K. Shinn, and Manuel Graña**

- ▶ Exploration of LICA Detections in Resting State fMRI  
4th. International work-Conference on the Interplay between  
Natural and Artificial Computation (IWINAC 2011), La Palma,  
Canary Islands, Spain. 30 May - 3 June, 2011.

## Publication 2012

1. Computers in Biology and Medicine
  - ▶ Analisis de base de datos de cocainomanos con WEKA
2. Neural Processing Letters o IEEE Transactions on Neural Networks
  - ▶ Lattice Clustering Analysis
3. HAIS 2012 (aceptado)
  - ▶ A Novel Lattice Associative Memory Based on Dendritic Computing  
Gerhard X. Ritter, Darya Chyzyk, Gonzalo Urcid, Manuel Graña
4. MICCAI 2012
  - ▶ Analisis de resting state fMRI base de datos de esquizofrenia.