

PROCESAMIENTO DE SEÑALES Y CONTROL DE SISTEMAS

Líneas de investigación

- Algoritmos avanzados para el procesamiento y la clasificación de señales.
- Procesamiento de señales biológicas.
- Modelado y operación de sistemas en red.
- Control y navegación de vehículos autónomos.

Publicaciones relevantes

- Milone, D.H.; Di Persia, L.; Torres, M.E. "Denoising and Recognition using Hidden Markov Models with Observation Distributions Modeled by Hidden Markov Trees", en *Pattern Recognition*, 2010.
- Di Persia, L.; Milone, D.H.; Yanagida, M. "Correlated postfiltering and mutual information in pseudoanechoic model based blind source separation", en *Journal of Signal Processing Systems*, 2010.
- Milone, D.H.; Stegmayer, G.S.; Kamenetzky, L.; López, M.; Giovannoni, J.; Je Min Lee; Carrari, F. "omeSOM: a software for integration, clustering and visualization of transcriptional and metabolite data mined from interspecific crosses of crop plants", en *BMC Bioinformatics*, 2010.
- Sánchez Reinoso, C.R.; Milone, D.H.; Buitrago, R.H. "Efficiency Study of Different Photovoltaic Plant Efficiency Connection Schemes Under Dynamic Shading", en *International Journal of Hydrogen Energy*, 2010.
- Albornoz E.M.; Milone D.H.; Rufiner, H.L. "Multiple Feature Extraction and Hierarchical Classifiers for Emotions Recognition", en *Lecture Notes in Computer Science*, 2010.
- Giovanini L.. "Predictive feedback control: an alternative to proportional-integral-derivative control", en *Journal of Systems and Control Engineering*, 2009.
- Schlotthauer G.; Torres M.E.; Rufiner H.L.; Flandrin, P. "EMD of Gaussian White Noise: Effects of Signal Length and Sifting Number on the Statistical Properties of Intrinsic Mode Function", en *Advances in Adaptive Data Analysis*, 2009.
- Di Persia, L.; Milone, D.H.; Yanagida, M. "Indeterminacy free frequency-domain blind separation of reverberant audio sources", en *IEEE Transactions on Audio, Speech and Language Processing*, 2009.
- Milone, D.H.; Rufiner, H.L.; Galli, J.; Laca E.; Cangiano, C. "Computational method for segmentation and classification of ingestive sounds in sheep", en *Computers and Electronics in Agriculture*, 2009.