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Publicaciones

Artículos en JCR

Aceptados

[*Short-Term Demand Forecast using Bank of Neural Network Models Trained using Genetic Algorithms for the Optimal Management of Drinking Water Networks*](#). Hector Rodriguez Rangel, Vicenç Puig, **Rodrigo Lopez Farías**, Juan J. Flores. Noviembre 2016. Journal of Engineering Applications of Artificial Intelligence. DOI: 10.2166/hydro.2016.199. ISSN: 1464-7141.

En revisión

Evolving Nearest Neighbor Time Series Forecasters. [*Soft Computing*](#). Juan J. Flores, José Cedeño Gonzalez, **Rodrigo López Farías**, Félix Calderón.

Conferencias Arbitradas

[*Comparison of Time Series Forecasting Techniques with respect to Tolerance to Noise*](#). Juan J. Flores, Felix Calderon Solorio, Jose Rafael Cedeño Gonzalez, Jose Ortiz Bejar and **Rodrigo Lopez Farías**. IEEE Autumn Meeting on Power, Electronics and Computing, Ixtapa México, Noviembre 2016. ISBN: 978-1-5090-3794-0.

[*Combined Holt-Winters and GA trained ANN approach for sensor validation and reconstruction: Application to water demand flowmeters*](#). Hector Rodriguez-Rangel, Vicenc Puig, Juan J. Flores and , **Rodrigo López Farías**. 3rd International Conference on Control and Fault-Tolerant Systems. Barcelona, España. Septiembre 2016. ISSN: 2162-1209.

[*Flow meter Data Validation and Reconstruction using Neural Networks: Application to the Barcelona Water Network*](#). Hector Rodriguez Rangel, Vicenc Puig, Juan J. Flores and , **Rodrigo López Farías**. 2016 European Control Conference, Aalborg. Junio 2016.

[*Qualitative and Quantitative Multi-Model Forecasting with Nonlinear Noise Filter Applied to Water Demand*](#). **Rodrigo López Farías**, Juan J. Flores and Vicenç Puig. IEEE Autumn Meeting on Power, Electronics and Computing. Ixtapa México, Noviembre 2015. DOI: 10.1109/ROPEC.2015.7395122.

[*FNN a Fuzzy Version of the Nearest Neighbour Time Series Forecasting Technique*](#). Juan J. Flores, Jose Ortiz Bejar, Jose Rafael Cedeño, Carlos Lara-Alvarez and **Rodrigo López Farías**. IEEE Autumn Meeting on Power, Electronics and Computing. Ixtapa México, Noviembre 2015. DOI: 10.1109/ROPEC.2015.7395125

[*A Multiple-Model Predictor Approach Based on an On-Line Mode Recognition with Application to Water Demand Forecasting*](#). **Rodrigo López Farías**, Vicenc Puig. International work-conference on Time Series 1. Granada España, Julio 2015. URI <http://hdl.handle.net/2117/81860>.

[*An implementation of a multi-model predictor based on the qualitative and quantitative decomposition of the time-series*](#). **Rodrigo López**, Vicenc Puig, Hector Rodriguez. International work-conference on Time Series 1. Granada España, Julio 2015. URI <http://hdl.handle.net/2117/81862>

[*Optimización con Interacciones Gravitacionales \(Optimization with gravitational Interactions\)*](#). ROPEC XIII: Autumn Meeting of Electric power systems, electronic and computation (Reunión de Otoño de Potencia, Electrónica y Computación). Morelia México, Noviembre 2011.

[*Gravitational Interactions Optimization*](#). Juan Flores, **Rodrigo Lopez**, Julio Barrera. [*Learning and Intelligent OptimizatioN*](#) . Roma, Italia - Enero 2011. Online ISBN 978-3-642-25566-3.

[*Particle swarm optimization with gravitational interactions for multimodal and unimodal problems*](#). Juan J. Flores, **Rodrigo Lopez** and Julio Barrera. Proceedings of the 9th Mexican International Conference on Artificial Intelligence (MICAI 2010), pages 3361-370. Springer-Verlag. Pachuca, México. Noviembre 2010. Online ISBN 978-3-642-16773-7.