

Paper Number	Authors	Title
1	Nagsen Bansod, Siddharth Dabhade and Karbhari Kale	Fusion of Multi Channel Brain Signal Data for Biometric Security
2	Diego Vergara and Sergio Hernández	Cuantificación de la incerteza para problemas de clasificación automática en conjuntos de datos de alta dimensionalidad.
3	Patricio Araneda and Rodrigo Assar	Design and preliminary model of an integration platform of clinical and genomic data
4	Alex Chamorro, Jans Velasquez, Estyward Cuellar and Mario Chauca	Prototype of a Neonatal Incubator using a PID Controller trained by a neural network
5	Orlando Donato Rocha Filho and Ginalber Luiz De Oliveira Serra	An Evolving Fuzzy Algorithm Applied to Identification of Dynamic Systems in Non-Stationary Environment
6	Danúbia Pires and Ginalber Luiz De Oliveira Serra	Fuzzy Kalman Filter Modeling Based on Evolving Clustering of Experimental Data
7	Alexandra K. Medrano-Roldán, Francisco López-Orozco, Ugo Ballenghein and Thierry Baccino	Towards a computational cognitive model for predicting eye movements while a text with referential change is processed
8	Gabriel Parra and Felipe Tobar	Spectral Mixture Kernels for Multi-Output Gaussian Processes
9	Alejandro Cuevas, Alejandro Veragua and Felipe Tobar	Framework for Processing Large Data in Bioacoustic: The Blue-Whale Case Study
10	Iván Castro and Felipe Tobar	A Practical Guide for Online Learning with Kernels
11	Lerko Araya-Hernández, Jorge F. Silva, Axel Osses and Felipe Tobar	Hierarchical vs Non-Hierarchical Priors for a Gaussian Mixture Model in Radio Astronomy
12	Ignacio Viedma and Juan Tapia	Gender Classification using Multispectral Periocular Iris Images
13	William Moreira De Souza, André Marcos Silva and Ygor Farias Siqueira	Non-Relational Database to Support IA Techniques Sorting Web Components into Eletronic Catalogs to eCommerce Systems
14	Priscila Rocha and Washington Silva	Strategy for Speech Recognition System with Mixture of Experts using Neural Networks
15	Dayana Vieira and Cleison Daniel	Brain-Computer Interface: Study and Implementation of Algorithms for Processing and Classification of EEG Signals
16	Mauricio Campos, Rodrigo Lara and Felipe Tobar	Classification of hyper-spectral images: Detecting land use and mineral composition
17	Marcela Aguirre, Jocelyn Dunstan and Felipe Tobar	Automatic Discovery of National Food Patterns and Obesity Prevalence using Classification, Regression and Dimensional Reduction Algorithms
18	Victor Pizarro-Carmona and Marcelo Cortes-Carmona	Parametric identification of a Lithium ion cell using impedance spectroscopy to different temperature ans state of charge
20	Claudio Román , Daniela Pinto , Cyril Poupon , Jean-Francois Mangin and Pamela Guevara	A stringent fiber distance measure for dMRI tractography analysis
21	Cristóbal Moya, Luis Felipe Barrientos and Karim Pichara	Machine Learning and Lensed QSOs
22	Javier Arriagada, Gabriel Hermosilla and Gonzalo Farias	A comparative vision in the use of Deep Learning for thermal face recognition systems
23	Oscar Cartagena, Diego Muñoz-Carpintero and Doris Sáez	A Robust Predictive Control Strategy for Building HVAC Systems Using Interval Fuzzy Models
24	Cecilia Ibarra, Iván Castro and Christopher Briceño	Sign Language Detection for Application of Early Learning Stimulation for Hearing Impaired Children
25	Nicolas Cruz, Luis G Marin and Doris Saez	Neural Network Prediction Interval based on a Joint Supervision
26	Nicolas Carpio, Gabriel Hermosilla and Esteban Vera	Prototype service robot using Deep Learning
27	Bastian Romero, Gabriel Hermosilla and Esteban Vera	Low cost IR sensor for Thermal Face Recognition using Convolutional Neural Networks.
28	Cristobal Silva	A Quick Summary of Capsule Networks with an Application on FashionMNIST
29	Matias Valdivia Pacheco, Gabriel Hermosilla and Gonzalo Farias	Security access control based on deep learning
30	Ismael Martínez, Gonzalo Farias and Gabriel Hermosilla	JET Disruptions Predictions with Adaboost
31	Jean Paul Hirschkwitz, Consuelo Norambuena, Rodrigo Carrasco and José Luis Ortiz	Model-free Approach to Fault Detection for Feature Identification and Data Reduction at ALMA
32	Gustavo Di Giorgi, Marvin Querales, Matias Salinas, Orietta Nicolis and Rodrigo Salas	Neural Stochastic Volatility Model applied to the New York Stock Exchange
33	Alexis Sánchez, Cecilia Hernández, Cyril Poupon, Jean-Francois Mangin and Pamela Guevara	Clustering of massive tractography datasets based on fiber point distribution
34	Christopher Flores, Rosa Figueroa and Qing Zeng-Treitler	Incorporating Information Gain in Regular Expressions Based Classifiers
35	Sebastián Vergara, Gonzalo Fariás and Ismael Martínez	Interactive applications for introduction to machine learning
36	Roberto Leon, Gonzalo Hernandez, Alejandra Urtubia and Matias Vargas	Prediction of abnormal wine fermentations using support vector machines: a chemical variables validation
37	Mailyñ Calderon, Rodrigo Salas and Carolina Saavedra	Prediction of fall risk in older adults through biomechanics gait analysis with machine Learning
38	Cesar Cheuque , Romina Torres , Diego Mellado and Rodrigo Salas	Intelligent Support System for processing of VDRL's images based on Convolutional Neural Networks