

# 2016 IEEE Conference on Evolving and Adaptive Intelligent Systems - Natal, Brazil

## Conference Program

Monday, 23 May 2016

16:00h to 18:00h - Technical Session I

16:00h to 16:24h	#1	Fuzzy Controller in the Cargo Control Wagons Dump	José Pinheiro de Moura and João Viana Da Fonseca Neto
16:24h to 16:48h	#4	Evolving controller design for decoupled multivariable plants	Csilla Banyasz and Laszlo Keviczky
16:48h to 17:12h	#5	Evolving iterative methods for simultaneous identification and control	Laszlo Keviczky and Csilla Banyasz
17:12h to 17:36h	#16	Evolving fuzzy model based performance identification for production control	Goran Andonovski, Gašper Mušič, Sašo Blažič and Igor Škrjanc
17:36h to 18:00h	#10	Monitoring of a Thermoelectric Power Plant based on Multivariate Statistical Process Control	Joyce Fonseca, Bruno Sousa, Webber Aguiar, Anísio Braga, Andre Lemos, Hugo Michel and Carmela Braga

Tuesday, 24 May 2016

10:00h to 12:00h - Technical Session II

10:00h to 10:24h	#34	Online Evolving Fuzzy Rule-Based Prediction Model For High Frequency Trading Financial Data Stream	Xiaowei Gu, Plamen P. Angelov, Azliza Mohd Ali, William A. Gruver and Georgi Gaydadjiev
10:24h to 10:48h	#11	Evolving possibilistic fuzzy modeling for equity options pricing	Leandro Maciel, Rosangela Ballini and Fernando Gomide
10:48h to 11:12h	#21	Learning Unfair Trading: a Market Manipulation Analysis From the Reinforcement Learning Perspective	Enrique Martinez Miranda, Peter McBurney and Matthew Howard
11:12h to 11:36h	#14	A hybrid evolutionary probabilistic forecasting model applied for rainfall and wind power forecast	Guilherme G. Netto, Alexandre C. Barbosa, Mateus N. Coelho, Arthur R. L. Miranda, Vitor N. Coelho, Marccone Jamilson Freitas Souza, Frederico Gadelha Guimaraes and Agnaldo J. R. Reis
11:36h to 12:00h	#19	Evolving Fuzzy Model for Short-Term Prediction of Energy Consumption Profiles	Dejan Dovžan and Igor Škrjanc

Tuesday, 24 May 2016

14:00h to 16:00h - Technical Session III

14:00h to 14:24h	#33	A New Evolving Clustering Algorithm for Online Data Streams	Clauber Gomes Bezerra, Bruno Sielly Jales Costa, Luiz Affonso Guedes and Plamen Parvanov Angelov
14:24h to 14:48h	#12	Evolving Fuzzy Clustering Algorithm based on Maximum Likelihood with Participatory Learning	Ginalber Luiz De Oliveira Serra and Orlando Donato Rocha Filho
14:48h to 15:12h	#29	Achieving Semi-Supervised Incremental Learning with Learn++ and Simple Recycled Selection	Frederico Bortoloti and Patrick Ciarelli
15:12h to 15:36h	#26	A Stochastic Adaptive Genetic Algorithm for Solving Unconstrained Multimodal Numerical Problems	Egidio Carvalho Júnior, Omar Andres Carmona Cortes, João Pedro Costa and Andrew Rau-Chaplin
15:36h to 16:00h	#24	Efficient SQL adaptive query processing in cloud databases systems	Clayton Costa, Cíclia Maia and António Sousa

Wednesday, 25 May 2016

10:00h to 12:00h - Technical Session IV

10:00h to 10:24h	#25	An Evolving Algorithm Based on Unobservable Components Neuro-Fuzzy Model For Time Series Forecasting	Ginalber Luiz De Oliveira Serra and Selmo E. R. Junior
10:24h to 10:48h	#3	A genetic algorithm approach for the master surgical schedule problem	Janaina F. Marchesi and Marco Aurélio C. Pacheco
10:48h to 11:12h	#15	Comparison of different artificial neural network approaches for lead acid battery state of health prediction	Thais Tóssoli De Sousa, Vitor Torquato Arioli, Cesar Sobral Vieira and Sender Rocha Dos Santos
11:12h to 11:36h	#31	Model-based optimization of in-silico fed-batch ethanol production process using genetic algorithm	Hanniel Freitas and Cid Andrade
11:36h to 12:00h	#9	Supplementary Decision System for Messages Coming from the Interpretation of Anomalies in Time Series	Sidnei Nicoli, Romulo Lins and José Jardim

Wednesday, 25 May 2016

14:00h to 16:00h - Technical Session V

14:00h to 14:24h	#23	Performance Evaluation of the Maximum Correntropy Criterion in Identification Systems	João Guimaraes, Aluisio Fontes, Joilson Rego, Luiz Silveira and Allan Martins
14:24h to 14:48h	#32	MPC, objective function with economic cost	Abel Alves, Hanniel Freitas, Mauro Ravagnani and Cid Andrade
14:48h to 15:12h	#30	Adaptive Intelligent Systems applied to two-wheeled robot	Sender Rocha Dos Santos, Jorge L. M. Amaral and José Franco M. Amaral
15:12h to 15:36h	#7	Application of Multi-Objective Evolutionary Algorithms in Automatic Restoration of Radial Power Distribution Systems	Nestor Rocha Monte Fontenele, Ruth Pastôra Saraiva Leão, Lucas Silveira Melo and Raimundo Furtado Sampaio
15:36h to 16:00h	#18	Sensor Drift Compensation using Weighted Neural Networks	Thiago Wiezbicki and Eduardo Parente Ribeiro