2017 Evolving and Adaptive Intelligent Systems (EAIS 2017)

Ljubljana, Slovenia
31 May - 2 June 2017

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Technical program

Wednesday, 31st May 2017

Plenary talk I	Chair: Igor Škrjanc

10:00	**Evolving Granular Modeling and Control** Fernando Gomide

Technical session I	Chair: Radu-Emil Precup, Co-chair: Sašo Blažič

11:30	**Evolving Fuzzy Models for the Position Control of Magnetic Levitation Systems 1** Radu-Emil Precup, Claudia-Adina Dragos, Elena-Lorena Hedrea, Marian-Dan Rarinca and Emil Petriu
11:54	**Comparison of Conventional Closed-Loop Controller with an Adaptive Controller for a Disturbed Thermodynamic System 7** Robert Alphinas, Hans Henrik Hansen and Torben Tambo
12:18	**Granular Evolving Fuzzy Robust Feedback Linearization 14** Lucas Silva de Oliveira, Valter Júnior de Souza Leite, Jeferson Costa Da Silva and Fernando Antônio Campos Gomide
12:42	**Robust Evolving Control of a Two-Tanks Pilot Plant 22** Goran Andonovski and Bruno Sielly Jales Costa
13:06	**An implementation of an evolving fuzzy controller 29** Sašo Blažič and Andrej Zdešar

Technical session II	Chair: Edwin Lughofer, Co-chair: Juš Kocijan

14:30	**Evolving participatory learning fuzzy modeling for financial interval time series forecasting 36** Leandro Maciel, Rafael Giordano Vieira, Alisson Porto, Fernando Gomide and Rosangela Ballini
14:54	**Incremental Rule Splitting in Generalized Evolving Fuzzy Regression Models 44** Edwin Lughofer, Mahardhika Pratama and Igor Škrjanc
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15:42	**Introduction of adaptive TS model using recursive Gustafson-Kessel algorithm in short term load forecasting 59** Gregor Černe
16:06	**Evolving Fuzzy Model In Fault Detection System 66** Dejan Dovžan

Thursday, 1st June 2017

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10:00	**Autonomous Learning for Autonomous Systems** Plamen Angelov

ALMA competition	Chair: Fernando Gomide

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11:50	**Evolving principal component clustering for 2-D LIDAR data 82** Matevž Bošnak
12:10	**Robust Evolving Cloud-based Controller (RECCo) 88** Goran Andonovski, Plamen Angelov, Sašo Blažič and Igor Škrjanc
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12:50	**Monitoring of vulcano Puracé through seismic signals: Description of a real dataset 102** Jose Eduardo Gomez, David Camilo Corrales, Juan Carlos Corrales, Araceli Sanchis, Agapito Ledezma and Jose Antonio Iglesias
13:10	**Autonomous Learning Multi-Model Classifier of 0-Order (ALMMo-0) 108** Plamen Angelov and Xiaowei Gu

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