

Best Paper Awards

Natural language processing

Huyen Trang Phan, Van Cuong Tran, Ngoc-Thanh Nguyen and Dosam Hwang, A Method for Detecting and Analyzing the Sentiment of Tweets Containing Fuzzy Sentiment Phrases

Image processing

Faezeh Yeganli and Kuldeep Singh, Finger-Print Image Super-Resolution via Gradient Operator based Clustered Coupled Sparse Dictionaries

Special Session MLMAT

Cinzia Giannetti and Aniekan Essien, A Deep Learning Framework for Univariate Time Series Prediction Using Convolutional LSTM Stacked Autoencoders

Smart agents

Biel Piero E Alvarado Vasquez and Fernando Matia, A social robot empowered with a new programming language and its performance in a laboratory

Decision making

Stefka Fidanova, Jean Dezert and Albena Tchamova, Inter-Criteria Analysis Based on Belief Functions for GPS Surveying Problems

Workshop WASA

Angela Ramirez and Solomon Reinman, PokerBot: Hand Strength Reinforcement Learning

Classification

Jacek Grekow, Finding Musical Pieces with a Similar Emotional Distribution throughout the Same Composition

Special Session MT4BD

Dimitrios Koutsomitropoulos, Andreas Andriopoulos and Spiros Likothanassis, Subject Classification of Learning Resources Using Word Embeddings and Semantic Thesauri

Intelligent process control

Banu Ataslar-Ayyildiz and Oguzhan Karahan, Trajectory Tracking for The Magnetic Ball Levitation System via Fuzzy PID Control Based on CS Algorithm

Intelligent transportation systems

Ömür Yildirim, Klaus Diepold and Revna Acar Vural, Decision Process of Autonomous Drones for Environmental Monitoring