

No	Authors	Title
1	Dulakshi Soysa, Nadun Chamikara, Dinithi Thilakarathna, Umanga De Silva and Ishara Gamage	Sentinel (An Intelligent & Advanced Home Surveillance System)
2	Jiannan Zhai, Chancey Kelley and Jason Hallstrom	An Efficient and Affordable Web-based Prototyping and Testing Platform for Analog Sensors
6	Ömür Yildirim, Klaus Diepold and Revna Acar Vural	Decision Process of Autonomous Drones for Environmental Monitoring
7	Zoltan Geler, Vladimir Kurbalija, Mirjana Ivanovic, Milos Radovanovic and Weihui Dai	Dynamic Time Warping: Itakura vs Sakoe-Chiba
13	Tomasz Boiński, Julian Szymański and Tymoteusz Cejrowski	Exact-match Based Wikipedia-WordNet Integration
16	Nikolaos Kolokas, Thanasis Vafeiadis, Dimosthenis Ioannidis and Dimitrios Tzovaras	Anomaly Detection in Aluminium Production with Unsupervised Machine Learning Classifiers
19	Onur Can Koyun and Tülay Yıldırım	Adversarial Nuclei Segmentation on H&E Stained Histopathology Images
20	Jacek Grekow	Finding Musical Pieces with a Similar Emotional Distribution throughout the Same Composition
21	Mare Koit	Modelling Negotiation Strategies
22	Biel Piero E Alvarado Vasquez and Fernando Matia	A social robot empowered with a new programming language and its performance in a laboratory
23	Emre Salih Akın and Tuğba Yıldız	Sentiment Analysis through Transfer Learning for Turkish Language
24	Pelin Yildirim Taşer, Kökten Ulaş Birant and Derya Birant	Comparison of Ensemble-Based Multiple Instance Learning Approaches
25	Murat Taşkiran, Mehmet Kılıçoğlu, Nihan Kahraman and Çiğdem Eroğlu Erdem	Face Recognition Using Dynamic Features Extracted from Smile Videos
26	Buse Buz and Tunga Güngör	Developing A Statistical Turkish Sign Language Translation System for Primary School Students
27	Dilek Kayahan and Tunga Güngör	A Hybrid Translation System from Turkish Spoken Language to Turkish Sign Language
28	Karwan Qader and Mo Adda	DOS and Brute Force attacks faults detection using An Optimised Fuzzy C-means

29	Kiril Alexiev, Teodor Toshkov and Dimiter Prodanov	Self-similar decomposition of digital signals
30	Banu Ataslar-Ayyildiz and Oguzhan Karahan	Trajectory Tracking for The Magnetic Ball Levitation System via Fuzzy PID Control Based on CS Algorithm
32	Jordan Todorov, Irina Krasteva, Vanya Ivanova and Emil Doychev	BLISS - A CPSS-like Application for Lifelong Learnin
33	Alexandra Grancharova and Ivana Valkova	Contractive Model Predictive Control for Insulin Delivery for Type 1 Diabetics
36	Georgios Drakopoulos, Phivos Mylonas and Spyros Sioutas	A Case Of Adaptive Nonlinear System Identification With Third Order Tensors In TensorFlow
37	Cinzia Giannetti and Aniekan Essien	A Deep Learning Framework for Univariate Time Series Prediction Using Convolutional LSTM Stacked Autoencoders
39	Faezeh Yeganli and Kuldeep Singh	Finger-Print Image Super-Resolution via Gradient Operator based Clustered Coupled Sparse Dictionaries
40	Muhammet Ali Karabulut, A. F. M. Shahen Shah and Haci Ilhan	CoMACAV: Cooperative MAC Protocol for Autonomous Vehicles
41	Dawei Dai, Weimin Tan and Hong Zhan	Understanding the Forward Artificial Neural Net from the Perspective of Network Flow
42	A. F. M. Shahen Shah, Haci Ilhan and Ufuk Tureli	Modeling and Performance Analysis of the IEEE 802.11 MAC for VANETs under Channel Fading and Capture Effect
44	Zeynep Hilal Kilimci and Selim Akyokuş	The Analysis of Text Categorization Represented With Word Embeddings Using Homogeneous Classifier Ensembles
46	Zirak Allaf, Mo Adda and Alexander Gegov	Malicious Loop Detection Using Support Vector Machine
49	Stefka Fidanova, Jean Dezert and Albena Tchamova	Inter-Criteria Analysis Based on Belief Functions for GPS Surveying Problems
50	Iris Figalist, Andreas Biesdorf, Christoph Brand, Sebastian Feld and Marie Kiermeier	Supporting the DevOps Feedback Loop using Unsupervised Machine Learning
51	Thanasis Vafeiadis, Alexandros Nizamis, Konstantinos Apostolou, Vasiliki Charisi, Ifigeneia Metaxa, Theofilos Mastos, Dimosthenis Ioannidis, Angelos Papadopoulos and Dimitrios Tzovaras	Intelligent Information Management System for Decision Support: Application in a lift manufacturer's shop floor

52	Dilara Gumusbas and Tülay Yildirim	Offline Signature Identification and Verification using Capsule Network
54	Chung-Ming Ou	Host-based Intrusion Detection Systems inspired by Machine Learning of Agent-based Artificial Immune Systems
55	Zakaria Charouh, Mounir Ghogho and Zouhair Guennoun	Improved Background Subtraction-based Moving Vehicle Detection by Optimizing Morphological Operations using Machine Learning
56	Youness Moukafih, Hakim Hafidi and Mounir Ghogho	Aggressive Driving Detection Using Deep Learning-based Time Series Classification
57	Antonio Diego Silva Farias, Valdigleis Silva Costa, Benjamín Bedregal, Regivan Santiago, Anne Magaly and Humberto Bustince	A new approach to combine multiple algorithms in classifier ensembles using generalized mixture functions generated by centered OWA
58	Adnen Mahmoud and Mounir Zrigui	Global Embedding and Recurrent Convolutional Neural Network for Arabic Paraphrase Identification
59	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
60	Gökhan Kocaman, Bilge Şipal, Aydın Gerek, Berna Altinel and Murat Ganiz	Diffused Label Propagation based Transductive Classification Algorithm for Word Sense Disambiguation
62	Yihuai Liang, Jiwan Lee, Bonghee Hong and Woochan Kim	Design and Implementation of Rule-based CEP for Threat Detection and Defense
63	Daghan Dogan and Seta Bogosyan	Performance Analysis of SVM, ANN and KNN Methods for Acoustic Road-Type Classification
64	Abdullah Karadag and Sirma Yavuz	Comparison of Optimization Techniques for Delay Minimization in Signalized Intersections PSO vs GA
65	Dagmawi Neway Mekuria, Paolo Sernani, Nicola Falcionelli and Aldo Franco Dragoni	A Probabilistic Multi-Agent System Architecture for Reasoning in Smart Homes
66	Aydın Gerek, Mehmet Can Yüney, Erencan Erkaya and Murat Can Ganiz	Effects of Positivization on the Paragraph Vector Model
67	Ramazan Esmeli, Mohamed Bader and Alaa Mohasseb	Context and Short Term User Intention Aware Session Based Recommender System
68	Murat Taşkırıran and Nihan Kahraman	Comparison of CNN Tolerances to Intra Class Variety in Food Recognition

69	Dimitrios Koutsomitropoulos, Andreas Andriopoulos and Spiros Likothanassis	Subject Classification of Learning Resources Using Word Embeddings and Semantic Thesauri
72	Ayşegül Uçar, Yakup Demir and Cüneyt Güzeliş	An Implementation of Vision Based Deep Reinforcement Learning for Humanoid Robot Locomotion
73	Zehra Gulru Cam Taskiran and Murat Taskiran	A New Fractional Order Memristance Simulator Circuit Design
74	Kiril Simov, Petia Koprinkova-Hristova, Alexander Popov and Petya Osenova	Word Embeddings Improvement via Echo State Networks
76	Andrinandrasana David Rasamoelina, Fouzia Adjailia and Peter Sincak	Deep Convolutional neural network for robust Facial Emotion Recognition
WASA workshop		
3w	Mihaela Ilie, Sorin Ilie and Ionut Muraretu	A Semiautomated Human Resource Management System
4w	Mattias Wahde	A dialogue manager for task-oriented agents based on dialogue building-blocks and generic cognitive processing
5w	Angela Ramirez and Solomon Reinman	PokerBot: Hand Strength Reinforcement Learning
6w	Amelia Badica, Costin Badica, Ion Buligiu, Liviu Ciora, Maria Ganzha, Mirjana Ivanovic and Marcin Paprzycki	Optimizing Nash Social Welfare in Semi-Competitive Intermediation Networks