

| 2016 International Symposium on INnovations in Intelligent SysTems and Applications | | |
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| August 2-5, 2016, Sinaia, Romania | | |
| Tuesday, August 02, 2016 | | |
| 8:30-9:00 | Registration | |
| 9:00-9:30 | Opening | |
| 9:30-10:30 | Keynote 1 Chair: Costin Badica Gabriel A. Wainer Modeling and Simulating Emerging Behaviour in Spatial Systems with Cell-DEVS | |
| 10:30-11:00 | Coffee Break | |
| 11:00-12:40 | Intelligence in Communications Chair: Lucian Barbulescu | Intelligent Sensors Chair: Marius Brezovan |
| | Selin Aydın Fandaklı, Halil İbrahim Okumuş Antenna Azimuth Position Control with PID, Fuzzy Logic and Sliding Mode Controllers | Umut Can Çabuk, Rune Hylsberg Jacobsen, Gokhan Dalkilic ARTMoS: An RFID Tag Mobility Scheme with IPv6 and DNS |
| | Yesim Aysel Baysal, Ismail Hakki Altas Cuckoo Search Algorithm for Power Loss Minimization by Optimal Capacitor Allocation in Radial Power Systems | Ebru Yavuz, Önder Aydemir Olfaction Recognition by EEG Analysis Using Wavelet Transform Features |
| | Ferdi Kara, Hakan Kaya, Okan ErKaymaz, Ertan Ozturk Prediction of the Optimal Threshold Value in DF Relay Selection Schemes Based on Artificial Neural Networks | Stephen Stubberud, Kathleen Kramer Threat Understanding Using Multiple Tracking-Sensors and Fuzzy-Based Evidence Accrual |
| | Zeynep Hasirci, Ismail Hakki Cavdar, Mehmet Ozturk Estimation of Propagation Parameters for Aluminum Busbar up to 500 kHz | Petia Koprinkova-Hristova, Kiril Alexiev Fuzzy Merging of MEMS Accelerometers and Gyroscopes Measurements |
| | Kemal Özkan, Sahin Isik, Golar Ghorban Dordinejad Multispectral Image Fusion Based on the Common Vector Approach | Todor Ivascu, Marc Frincu, Viorel Negru Energy Efficient Sensors Data Stream Model for Real-time and Continuous Vital Signs Monitoring |
| 12:40-14:30 | Lunch | |
| 14:30-15:30 | Keynote 2 Chair: Mirel Cosulschi Dragoş Gavriluţ Applied Machine Learning for Malware Detection | |
| 15:30-16:00 | Coffee Break | |

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| 16:00-18:00 | Natural Language Processing Chair: Mirel Cosulschi | Bio-Inspired Computing Chair: Florin Leon |
| | Mohamed Ben Aouicha, Mohamed Ali Hadj Taieb, Sameh Beyaoui Distributional semantics study using the co-occurrence computed from collaborative resources and WordNet | Zeynep Banu Özger, Bulent Bolat, Banu Diri A Comparative Study on Binary Artificial Bee Colony Optimization Methods for Feature Selection |
| | Zeineb Neji, Marieme Ellouze, Lamia Hadrach IQAS: Inference Question Answering System for handling temporal inference. | Hamza Erol, Recep Erol Logical Circuit Design Using Orientations Of Clusters In Multivariate Data For Decision Making Predictions: A Data Mining And Artificial Intelligence Algorithm Approach |
| | Tuba Parlar, Selma Ayse Ozel A New Feature Selection Method for Sentiment Analysis of Turkish Reviews | George Anescu Optimal placement of wind turbines using NSC-PSO algorithm |
| | Mihaela Colhon, Madalina Cerban, Alex Becheru, Mirela Teodorescu Polarity Shifting for Romanian Sentiment Classification | Mustafa Abdul Salam, Hossam Zawbaa, Eid Emary, Kareem Kamal A.Ghany, Bazil Parv A hybrid dragonfly algorithm with extreme learning machine for prediction |
| | Enis Arslan, Umut Orhan Graph-based Lemmatization of Turkish Words by Using Morphological Similarity | Uğur Güvenç, Serhat Duman, Kenan Dosoglu, Yusuf Sönmez, Hamdi Tolga Kahraman, Cemal Yılmaz Application of Symbiotic Organisms Search Algorithm to solve various Economic Load Dispatch problems |
| | Marius Brezovan, Liana Stanescu Modeling Dynamic Systems with High-Level Petri Nets with Object-Orientation | |
| 19:00-22:00 | Welcome Reception | |
| Wednesday, August 03, 2016 | | |
| 9:00-11:00 | Tutorial Chair: Amelia Badica Marius Leordeanu Models based on Deep Neural Networks for Image Recognition | |
| 11:00-11:30 | Coffee Break | |
| 11:30-12:50 | Intelligent Distributed Systems Chair: Mihai Gabroveanu | Neural Networks Applications Chair: Petia Koprinkova |
| | Florin Leon, Costin Badica A Comparison between Jason and F# Programming Languages for the Enactment of Business Agents | Kirill Kochetov, Evgeny Putin SpecNN: the specifying neural network |

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| | Muhammet Balcılar, Erkan Uslu, Furkan Çakmak, Nihal Altuntaş, Salih Marangoz, M. Fatih Amasyalı, Sırma Yavuz An Architecture for Multi-robot Hector Mapping | Mustagime Tülin Yildirim, Bülent Kurt Engine Health Monitoring in an Aircraft by Using Levenberg-Marquardt Feedforward Neural Network and Radial Basis Function Network |
| | Lucian-Florentin Barbulescu The GUI Component of DistriSimJ | Sebnem Karahancer, Ekinhan Eriskin, Buket Capali, Nihat Morova, Sercan Serin, Mehmet Saltan, Serdal Terzi, Dicle Ozdemir Kucukcapraz Marshall Stability Estimating Using Artificial Neural Network with Polyparaphenylene Terephthalamide Fibre Rate |
| | Andrei Mocanu, Costin Badica Paxos-based Weighted Argumentation Framework Approach to Distributed Consensus | |
| 12:50-14:30 | Lunch | |
| 14:30-15:30 | Keynote 3 Chair: Costin Badica Ngoc Thanh Nguyen Collective Knowledge: Processing Inconsistency and Making Consensus | |
| 15:30-16:00 | Coffee Break | |
| 16:00-17:40 | Image & Signal Processing Chair: Bülent Bolat | Data Mining Chair: Mihaela Colhon |
| | Gür Emre Güraksın, Utku Köse, Ömer Deperlioğlu Underwater Image Enhancement Based On Contrast Adjustment via Differential Evolution Algorithm | Ahmed Hafez, Hossam Zawbaa, Eid Emary, Aboul Ella Hassanien Sine Cosine Optimization Algorithm for Feature Selection |
| | Merve Ayyüce Kızrak Sağun, Bülent Bolat Classification of Classic Turkish Music Makams by Using Deep Belief Networks | Zeynep Hilal Kilimci, Selim Akyokus, Sevinc İlhan Omurca The Effectiveness of Homogenous Ensemble Classifiers for Turkish and English Texts |
| | Murat Canayaz, Kazım Hanbay Neutrosophic Set Based Image Segmentation Approach Using Cricket Algorithm | Olga Georgieva Exploring Subtractive Cluster Analysis for QoS Selection |
| | Pavel Morozkin, Marc Swynghedauw, Maria Trocan Image Compression for Embedded Eye-Tracking Applications | Ebru Aydogan, M. Ali Akcayol A Comprehensive Survey for Sentiment Analysis Tasks Using Machine Learning Techniques |

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| | | Sinem Bozkurt Keser, Ugur Yayan A Case Study of Optimal Decision Tree Construction for RFKON Database |
| 19:00-23:00 | Banquet | |
| Thursday, August 04, 2016 | | |
| 9:00-11:00 | Image Recognition and Computer Vision Chair: Tülay Yildirim | Ontologies and Rules Chair: Amelia Badica |
| | Alina-Delia Calin Variation of Pose and Gesture Recognition Accuracy Using Two Kinect Versions | Mihaela Oprea, Hai-Ying Liu A knowledge based approach for PM2.5 air pollution effects analysis |
| | Daoyuan Jia, Yongchi Su, Chunping Li Image Retrieval by Geological Proximity Using Deep Neural Network | Zafer Duzen, Mehmet Siddik Aktas An Approach To Hybrid Personalized Recommender Systems |
| | Onur Can Kurban, Özden Niyaz, Tülay Yıldırım Neural Network Based Wrist Vein Identification Using Ordinary Camera | Mihai Gabroveau, Mirel Cosulschi, Florin Slabu Mining Fuzzy Association Rules using MapReduce Technique |
| | Deepjoy Das, Alok Chakrabarty Emotion Recognition from Face Dataset Using Deep Neural Nets | Cemal Yılmaz, Hamdi Tolga Kahraman, Salih Soyler, Yusuf Sonmez, Ugur Guvenc Developing of Decision Support System for Land Mine Classification by Meta-heuristic Classifier |
| | Aysegul Ucar, Yakup Demir, Cüneyt Güzelış Moving Towards in Object Recognition with Deep Learning for Autonomous Driving Applications | Imen Gabsi, Hager Kammoun, Hatem Bougares, Mohamed Ben Aouicha, Ikram Amous MeSH taxonomy-based intrinsic information content method |
| | Hamza Osman Ilhan, Ahmet Elbir The Evaluation of Detectors and Descriptors on Determination of Semen Cell | Kaabi Fatma, Gargouri Faiez A new approach for discovering complex mappings between OWL ontologies |
| 11:00-11:30 | Coffee Break | |
| 11:30-12:00 | Closing Session Chair: Tülay Yildirim | |
| 12:30-14:00 | Lunch | |
| 14:30-19:00 | Social Program: Visit to Peles Castle | |
| 19:00-21:00 | Dinner | |
| Friday, August 05, 2016 | | |
| 8:00-20:00 | Full day excursion and social program | |