List of Accepted Papers of ICMLA 2016

Acceptance Rate:

Regular Papers : 24.69%

Poster Papers : 31.98%

Session1: Time Series (Dec. 18 at 9:30am)	
173	*Improved Time Series Classification with Representation Diversity and SVM* Rafael Giusti, Diego Silva and Gustavo Batista
248	*Iterative Grammar-based Framework for Discovering Variable-Length Time Series Motif* Yifeng Gao, Jessica Lin and Huzefa Rangwala
82	*Filer Response Time Prediction using Adaptively-learned Forecasting Models based on Counter Time Series Data* Saurabh Deshpande, Kumar Dheenadayalan, G Srinivasaraghavan and Vn Muralidhara
210	*Dynamic factor mixture of experts for functional time series modeling* Allou Samé
Session2: Kernel Methods (Dec. 18 at 9:30 am)	
232	*Inferring Hearing Loss from Learned Speech Kernels* Bonny Banerjee, Masoumeh Heidari Kapourchali, Shamima Najnin, Lisa Lucks Mendel, Sungmin Lee, Chhayakanta Patro and Monique Pousson
160	*Automatic Optimization of Localized Kernel Density Estimation For Hotspot Policing* Mohammad Al Boni and Matthew Gerber
190	*Robust Kernel Embedding of Conditional and Posterior Distributions with Applications* Muhammad Nawaz and Omar Arif
106	*Conformalized Kernel Ridge Regression* Ivan Nazarov and Evgeny Burnaev
Session3: Deep Neural Networks (Dec. 18 at 11:10 am)	
128	*Automated Optimal Architecture of Deep Convolutional Neural Networks for Image Recognition* Saleh Albelwi and Ausif Mahmood
214	*Infrared Colorization Using Deep Convolutional Neural Networks* Matthias Limmer and Hendrik Lensch
216	*Assessing Threat of Adversarial Examples against Deep Neural Networks* Abigail Graese, Andras Rozsa and Terrance E. Boult
254	*Correlating Filter Diversity with Convolutional Neural Network Accuracy* Casey Graff and Jeffrey Ellen

Session4: Human Activity & Behavior Recognition (Dec. 18 at 11:10 am)	
57	*A Hierarchical Meta-Classifier for Human Activity Recognition* Anzah Niazi, Delaram Yazdansepas, Jennifer Gay, Frederick Maier, Lakshmish Ramaswamy, Khaled Rasheed and Matthew Buman
257	*Interaction Network Representations for Human Behavior Prediction* Amnay Amimeur, Hai Phan, Dejing Dou, Brigitte Piniewski and David Kil
44	*Predicting Future Agent Motions for Dynamic Environments* Fabio Previtali, Alejandro Bordallo, Luca Iocchi and Subramanian Ramamoorthy
38	*Demographic Group Prediction Based on Smart Device User Recognition Gestures* Adel Alharbi and Mitchell Thornton
Session5: ML for Text Documents (Dec. 18 at 2:45 pm)	
253	*Cross-Document Knowledge Discovery Using Semantic Concept Topic Model* Xin Li and Wei Jin
252	*Domain Ontology Induction using Word Embeddings* Niharika Gupta, Sanjay Podder, Annervaz K M and Shubhashis Sengupta
15	*Latent Topic-semantic Indexing based Automatic Text Summarization* Jiangsheng Yu and Xuewen Chen
150	*An Investigation of Ensemble Techniques for Detection of Spam Reviews* Brian Heredia, Taghi Khoshgoftaar, Joseph Prusa and Michael Crawford
Session6: Applications in Biology & Medicine (Dec. 18 at 2:45 pm)	
188	*A Re-estimation Brain Storm Optimization to Train Hidden Markov Model for Transcription Factor Binding Site Analysis* Xinyuan Ma and Haibin Duan
30	*Inferring Gene Regulatory Networks by Combining Supervised and Unsupervised Methods* Turki Turki, Jason T. L. Wang and Ibrahim Rajikhan
234	*Bag of Bags: Nested Multi Instance Classification for Prostate Cancer Detection* Farzad Khalvati, Junjie Zhang, Alexander Wong and Masoom A. Haider
126	*Decoding Epileptogenesis in a Reduced State Space* Francois Meyer, Alexander Benison, Zachariah Smith and Daniel Barth
Session7: Applications-I (Dec. 18 at 4:25 pm)	
259	*Machine Learning for Plant Disease Incidence and Severity Measurements from Leaf Images* Ernest Mwebaze, Godliver Owomugisha and Michael Biehl
89	*Exposing Inpainting Forgery in JPEG Images under Combination Attacks* Qingzhong Liu
60	*Recognition and Analysis of the Contours Drawn During the Poppelreuter's Test* Sven Nomm, Aaro Toomela, Toomas Toomsoo, Julia Kozhenkina, Konstantin Bardosh and Ilja Masarov
27	*Automatic Species Recognition Based on Improved Birdsong Analysis* Guangzhi Qu
Session8: ML for Security & Fraud Detection (Dec. 18 at 4:25 pm)	

251	*ECG Biometric Identification Using Wavelet Analysis Coupled with Probabilistic Random Forest* Robin Tan and Marek Perkowski
206	*A Multifaceted Approach to Bitcoin Fraud Detection: Global and Local Outliers* Patrick Monamo, Vukosi Marivate and Bhekisipho Twala
80	*Toward an Online Anomaly Intrusion Detection System Based on Deep Learning* Khaled Alrawashdeh and Carla Purdy
198	*Android Malware Detection: Building Useful Representations* Luiza Sayfullina, Emil Eirola, Dmitry Komashinsky, Paolo Palumbo and Juha Karhunen
	Session9: Learning-I (Dec. 19 at 9:30 am)
184	*Investigating Transfer Learners for Robustness to Domain Class Imbalance* Karl Weiss and Taghi Khoshgoftaar
140	*Learning Fairness under Constraints: A Decentralized Resource Allocation Game* Qinyun Zhu and Jae Oh
226	*Bayesian Unification of Gradient and Bandit-based Learning for Accelerated Global Optimisation* Ole-Christoffer Granmo
166	*Are Accuracy and Robustness Correlated?* Andras Rozsa, Terrance E. Boult and Manuel Gunther
209	*Advanced Image Classification Methods using Wavelets and Convolutional Neural Networks* Travis Williams and Robert Li
	Session10: Clustering (Dec. 19 at 9:30 am)
65	*Consensus Clustering: A Resampling-based Method for Building Radiation Hybrid Maps* Raed Seetan, Jacob Bible, Michael Karavias, Wael Seitan and Sam Thangiah
215	*An LED based Indoor Localization System using k-means Clustering* Muhammad Saadi, Touqeer Ahmad, Yan Zhao and Lunchakorn Wuttisttikulkij
29	*Distributed conformal anomaly detection* Ilia Nouretdinov
141	*Phase Identification in Electric Power Distribution Systems by Clustering of Smart Meter Data* Wenyu Wang, Nanpeng Yu, Brandon Foggo and Joshua Davis
	Session11: Deep Learning (Dec. 19 at 11:10 am)
7	*Density-based Data Pruning Method for Deep Reinforcement Learning* Teerapat Rojanaarpa and Irina Kataeva
228	*Identifying Nontechnical Power Loss via Spatial and Temporal Deep Learning* Rajendra Bhat, Rodrigo Daniel Trevizan, Rahul Sengupta, Xiaolin Li and Arturo Bretas
196	*Bird Call Identification using Dynamic Kernel based Support Vector Machines and Deep Neural Networks* Deep Chakraborty, Paawan Mukker, Padmanabhan Rajan and Dileep Aroor Dinesh
231	*A Next-Generation Secure Cloud-Based Deep Learning License Plate Recognition for Smart Cities* Rohith Polishetty, Mehdi Roopaei, Paul Rad

	Session 12: Applications-II (Dec. 20 at 8:30 am)
147	*Energy Efficient EEG Monitoring System for Wireless Epileptic Seizure Detection* Ramy Hussein, Rabab Ward and Z. Jane Wang
142	*Using Domain Knowledge Features for Wind Turbine Diagnostics* R Lily Hu, Kevin Leahy, Ioannis Konstantakopoulos, David Auslander, Costas Spanos and Alice Agogino
125	*Improving HSDPA Traffic Forecasting Using Ensemble of Neural Networks* Isah Abdullahi Lawal, Salihu Abdulkarim, Muhammad Kabir Hassan and Jibrin Mohammed Sadiq
	Session13: Learning-II (Dec. 19 at 2:00 pm)
63	*Nonlinear Metric Learning for Semi-Supervised Learning via Coherent Point Drifting* Pin Zhang, Bibo Shi, Charles Smith and Jundong Liu
88	*Adaptive thresholding and reweighting to improve domain transfer learning for unbalanced data with applications to EEG imbalance* Kyungmin Su, William Hairston and Kay Robbins
122	*L1-norm Principal-Component Analysis via Bit Flipping* Panos Markopoulos, Sandipan Kundu, Shubham Chamadia and Dimitris Pados
54	*Event Based Weight Update for Learning Infinite Spike Train* Sumit Bam Shrestha and Qing Song
	Session14: Applications-III (Dec. 19 at 2:00 pm)
235	*Comparing Gaussian Mixture Model and Hidden Markov Model to Classify Unique Physical Activities from Accelerometer Sensor Data* Arindam Dutta, Owen Ma, Matthew P. Buman and Daniel W. Bliss
163	*A Probabilistic Programming Approach for Outlier Detection in Healthcare Claims* Richard Bauder and Taghi Khoshgoftaar
168	*Automatic Algorithm Selection in Computational Software Using Machine Learning* Matthew Simpson, Qing Yi and Jugal Kalita
49	*System-Level Test Case Prioritization using Machine Learning* Remo Lachmann, Sandro Schulze, Manuel Nieke, Christoph Seidl and Ina Schaefer
	Session15: Graphs Methods (Dec. 19 at 12:10 pm)
69	*Detecting Smooth Cluster Changes in Evolving Graphs* Sohei Okui, Kaho Osamura and Akihiro Inokuchi
48	*A Privacy-Preserving Solution for the Bipartite Ranking Problem* Noushin Salek Faramarzi, Erman Ayday and H. Altay Guvenir
	Session16: Social Media Applications (Dec. 20 at 9:30 am)
61	*Temporal Link Prediction Using Time Series of Quasi-Local Node Similarity Measure* Alper Ozcan and Sule Oguducu
8	*DERIV: Distributed In-memory Brand Perception Tracking Framework* Manu Shukla, Ray Dos Santos, Andrew Fong and Chang-Tien Lu
246	*Hybrid Recommendation Model based on a contextual similarity between users* Amel Hannech, Mehdi Adda and Hamid Mcheick

189	*Macro-optimization of email recommendation response rates harnessing individual activity levels and group affinity trends* Mohammed Korayem, Khalifeh Aljadda and Trey Grainger
	Special Session1: Machine Learning Applications in Education (Dec. 19 at 11:10 am)
28	*Course Learning Outcome Performance Improvement: A Remedial Action Classification Based Approach* Ilyes Jenhani
36	*Extending Soft Sets towards the Optimality of Decision based on Multiple Decisions over the Same Data* Farooq Ahmad
39	*A Formal Design for the Lexical and Syntax Analyzer of a Pedagogically Effective Subset of C++* Shoaib Farooq
64	*Analysis for Status of the Road Accident Occurance and Determination of the Risk of Accident by Machine Learning in Istanbul* Halil ibrahim BULBUL, Tarik KAYA, and Yusuf TULGAR
34	*Classifying educational materials in low-resource languages* Gihad Sohsah, Onur Guzey,Zaina Tarmanini
	Special Session2: Machine Learning in Energy Application (Dec. 20 at 1:50 pm)
17	*k-Means Partition of Monthly Average Insolation Period Data for Turkey* ILHAMI COLAK, Mehmet YESILBUDAK, Ramazan BAYINDIR
21	*Hourly solar irradiance forecasting based on machine learning models* Fateh Nassim MELZI, Taieb TOUATI, Allou SAME and Latifa OUKHELLOU
24	*Applying the meta-heuristic prediction algorithm for modeling Power Density in Wind Power Plant* Ramazan BAYINDIR, Melike AYAZ, Hamdi KAHRAMAN and ILHAMI COLAK
67	*Faults Investigation of Transformer Windings Using the Frequency Response Analysis FRA* Moustafa Sahnoune CHAOUCHE, Hamza HOUASSINE, Samir MOULAHOUM and ILHAMI COLA
68	*A Study on Effects of Different Control Period of Neural Network Based Reference Modified PID Control for DC-DC Converters* Dr. Hidenori MARUTA, Hironobu TANIGUCHI and Fujio KUROKAWA
	Special Session3: Machine Learning in Information and Cyber Security Issues (Dec. 20 at 11:10 am)
5	*Enhanced Approach to Detection of SQL Injection Attack* Bing Zhou
11	*Towards Web Spam Filtering using a Classifier based on the Minimum Description Length Principle* Renato Silva
13	*Early Identification of Vulnerable Software Components via Ensemble Learning* Yulei Pang
27	*Building a Platform for Software-Defined Networking Cybersecurity Applications* Chongya Song
37	*Identifying Gender From SMS Text Messages* Cihan Varol

43	*Biometric Recognition Through Machine Learning Techniques and Security Assessment of Implementation Process* Ezgi Yorulmaz
Special Session4: Machine Learning for Big Data (Dec. 19 at 3:40 pm)	
9	*A Web Based Pipeline Tool for the Combination of Logic Conditions for NGS Data* Hui Li and Chunmei Liu
49	*A Parallel K-Medoids Algorithm for Clustering based on MapReduce* M. Omair Shafiq and Eric Torunski
50	*A Big Data Analytics Framework for Supporting Multidimensional Mining over Big Healthcare Data* Mario Bochicchio, Alfredo Cuzzocrea and Lucia Vaira
56	*An Effective and Efficient Similarity-Matrix- Based Algorithm for Clustering Big Mobile Social Data* Gloria Bordogna, Alfredo Cuzzocrea, Luca Frigerio and Giuseppe Psaila
58	*Hedonic Housing Theory – A Machine Learning Investigation* Timothy Oladunni and Sharad Sharma
Special Session5: Machine Learning for Predictive Models in Engineering Applications (Dec. 20 at 11:10 am)	
3	*Feedforward Neural Networks for Predicting the Duration of Maintained Software Projects* Cuauhtémoc López-Martín
15	*Equipment condition diagnosis and fault fingerprint extraction in semiconductor manufacturing* Hamideh Rostami, Jakey Blue and Claude Yugma
32	*A Hybrid Machine Learning Approach for Planning Safe Trajectories in Complex Traffic-Scenario* Amit Chaulwar, Michael Botsch and Wolfgang Utschick
46	*Efficient Content Replacement in Wireless Content Delivery Network with Cooperative Caching* Jihoon Sung, Kyounghye Kim, Junhyuk Kim and June-Koo Rhee
59	*Spatial Dependency and Hedonic Housing Regression Model* Timothy Oladunni
65	*Constructing a Deep Regression Model Utilizing Cascaded Sparse Autoencoders and Stochastic Gradient Descent* Arezu Moussav, Mo Jamshidi
38	*A novel algorithm for dynamic clustering: properties and performance* Nathalie Barbosa, Louise Travé-Massuyès, Victor Grisales
66	*User Movement Prediction: The Contribution of Machine Learning Techniques* Shadi Banitaan, Mohammad Azzeh, and Ali Bou Nassif
Special Session6: Machine Learning Techniques in Bioinformatics (Dec. 20 at 8:30 am)	
7	*Validation of a quantifier-based fuzzy classification system for breast cancer patients on external independent cohorts* Daniele Soria, Jonathan Garibaldi
12	*Review on Machine Learning Based Lesion Segmentation Methods from Brain MR Images* Evgin Goceri, Esther Dura Martinez and Melih Gunay
22	*Machine Learning for Optimum CT-Prediction for qPCR*

	Melih Gunay, Evgin Goceri and Rajarajeswari Balasubramaniyan
25	*Iteratively learning a liver segmentation using probabilistic atlases: preliminary results* Esther Dura Martinez, Juan Domingo and Evgin Goceri
31	*Probabilistic Expert Systems for Reasoning in Clinical Depressive Disorders* Blessing Ojeme, Audrey Mbogho and Thomas Meyer
40	*Feature Fusion for Denoising and Sparse Autoencoders: Application to Neuroimaging Data* Arezu Moussavi, Mo Jamshidi and Subhashie Wijemanne
999	*Differentiation and Integration of Machine Learning Feature Vectors* Xinying Mu, Ana B. Pavely and Mark Konz
	Workshop on Machine Learning in Security of Cyber-Physical Systems (Dec. 19 at 3:40 pm)
14	*HMM-based Intrusion Detection System for Software Defined Networking* Alexander Perez-Pons, Jorge Perdomo and Trae Hurley
51	*Epilepsy, A Cyberattack on Brains' Networked Control System* Saman Sargolzaei, Mercedes Cabrerizo, Arman Sargolzaei, Shirin Noei and Malek Adjouadi
53	*Toward Parametric Security Analysis of Machine Learning based Cyber Forensic Biometric Systems* Koosha Sadeghi, Ayan Banerjee and Sandeep K.S. Gupta,
54	*Automating ECU Identification for Vehicle Security* Michael Jaynes*, Ram Dantu and Roland Varriale II
55	*A Machine Learning Approach for Fault Detection in Automotive Cyber-Physical Systems* Arman Sargolzaei, Carl D Crane III, Alireza Abaspour and Shirin Noei
16	*An Oblivious Routing-based Power Flow Calculation Method For Loss Minimization of Smart Power Networks: A Theoretical Perspective* Kianoosh Boroojeni, M. Hadi Amini and S.S. Iyengar
	Workshop on Machine Learning Algorithms Systems and Applications (Dec. 20 at 1:50 pm)
8	*Multiview Centroid Based Fuzzy Classification of large data* Gaurav Tyagi, Nilesh Patel and Ishwar Sethi
30	*Local and Global Data Spread Based Index for Determining Number of Clusters in a Dataset* Romana Riyaz and M. Arif Wani
42	*Sequential Pattern Based Temporal Contour Representations for Content-Based Multimedia Timeline Analysis* Gang Ren, Joseph Johnson, Hyunhwan Lee and Mitsunori Ogihara
47	*Predicting Movie Box Office Profitability: A Neural Network Approach* Farhana Zulkernine and Travis Rhee
	Poster Session1 (Dec. 18 at 5:45 pm)
161	Area-Specific Crime Prediction Models

	Mohammad Al Boni and Matthew Gerber
260	*SEMI-SUPERVISED LEARNING WITH BIDIRECTIONAL ADAPTIVE PAIRWISE ENCODING* Jiangbo Yuan
164	*A New Approach of Matrix Factorization and Its Application in Recommender Systems* Hong Peng, Shuyi Hong, Linkai Luo, Qifeng Zhou and Xiaoqin Huang
39	*TIE: an algorithm for incrementally evolving taxonomy for text data* Rabia Irfan and Sharifullah Khan
66	*Realizing real-time deep learning-based super-resolution applications on Integrated GPUs* Sungye Kim and Preeti Bindu
70	*Sentiment Analysis of Restaurant on Yelp Reviews* Tri Doan and Jugal Kalita
71	*Classification of X-ray Galaxy Clusters with Morphological Feature and Tree SVM* Lei Wang, Zhixian Ma, Haiguang Xu and Jie Zhu
72	*Validation of a Federation of Collaborative Rational Agents for the Diagnosis Of Acute Coronary Syndromes in a Population with High Probability* John Sprockel, Juan José Diaztagle, Cristian Castillo, Alberto Llanos and Enrique Gonzalez
76	*Autonomous Biological Cell Injection Based on Vision and Motion Control* Yulong Zhang and Qingsong Xu
77	*Bee colony based worker reliability estimation algorithm in microtask crowdsourcing* Alireza Moayedikia, Kok-Leong Ong, Yee Ling Boo and William Yeoh
98	*Recognition of Slab Identification Numbers using a Deep Convolutional Neural Network* Sang Jun Lee and Sang Woo Kim
137	*Identifying IT purchases anomalies in the Brazilian Government Procurement System using Deep Learning* Silvio Domingos, Rommel Carvalho and Ricardo Carvalho
250	*Automatic Container Code Recognition via Spatial Transformer Networks and Connected Component Region Proposals* Ankit Verma, Monika Sharma, Ramya Hebbalaguppe, Ehtesham Hassan and Lovekesh Vig
159	*Regression with n$\to$1 by Expert Knowledge Elicitation* Marta Soare, Muhammad Ammad-Ud-Din and Samuel Kaski
62	*Cyberbullying Detection with a Pronunciation Based Convolutional Neural Network* Xiang Zhang, Jonathan Tong, Nishant Vishwamitra, Joseph Mazer, Robin Kowalski, Hongxin Hu, Feng Luo, Elizabeth Whittake, Jamie Macbeth and Edward Dillon
34	*Automatic Object Detection using DBSCAN for Counting Intoxicated Flies in the FLORIDA Assay* Christian Bodenstein, Markus Götz, Annika Jansen, Henrike Scholz and Morris Riedel
52	*Screen Unlocking by Spontaneous Flick Reactions with One-class Classification Approaches* Yoshitomo Matsubara, Haruhiko Nishimura, Toshiharu Samura, Hiroyuki Yoshimoto and Ryohei Tanimoto
78	*An Empirical Study on Machine Learning Models for Wind Power Predictions*

	Yiqian Liu and Huajie Zhang
103	*Improving Speed Independent Performance of Fault Diagnosis Systems through Feature Mapping and Normalization* Aparna S. Raghunath, K. T. Sreekumar, C. Santhosh Kumar and K. I. Ramachandran
104	*On the L1-norm Approximation of a Matrix by Another of Lower Rank* Nicholas Tsagkarakis, Panos Markopoulos and Dimitris Pados
112	*Relevance Vector Sampling for Reinforcement Learning in Continuous Action Space* Minwoo Lee and Charles Anderson
113	*Predicting Recovery of Credit Operations on a Brazilian Bank* Rogerio Lopes, Marcelo Ladeira, Rommel Carvalho and Ricardo Carvalho
149	*A New Feature for Cross-day Psychophysiological Workload Estimation* Ryan Hefron and Brett Borghetti
181	*Extracting Addresses From News Reports Using Conditional Random Fields* Xiaoqian Liu and Donald Brown
182	*An Active Learning Approach to Audio-to-Score Alignment Using Dynamic Time Warping* Ching-Hua Chuan
218	*Learning the Domain of Sparse Matrices* Suleyman Salin, Murat Manguoglu and H. Metin Aktulga
224	*Road Detection through Supervised Classification* Yasamin Alkhorshid, Kamelia Aryafar, Sven Bauer and Gerd Wanielik
225	`ADHD and ASD Classification Based on Emotion Recognition Data` Mahiye Uluyagmur-Ozturk, Ayse Rodopman Arman, Seval Sultan Yilmaz, Onur Tugce Poyraz Findik, Herdem Aslan Genc, Gresa Carkaxhiu-Bulut, M.Yanki Yazgan, Umut Teker, Zehra Cataltepe
14	*A Countable State PGM for Tracking Entity Movement* Tim Zajic
22	*Spontaneous Facial Expression Recognition: A Part Based Approach* Nazil Perveen and Krishna Mohan Chalavadi
84	*A Prediction Modelling and Pattern Detection Approach for the First Episode Psychosis Associated to Cannabis Use* Wajdi Alghamdi, Daniel Stamate, Katherine Vang, Daniel Stahl, Diego Quattrone, Marco Colizzi, Giada Tripoli, Robin M Murray and Marta Di Forti
91	*Time Series Classification Using Time Warping Invariant Echo State Networks* Pattreeya Tanisaro and Gunther Heidemann
171	*Towards Deep Learning Invariant Pedestrian Detection by Data Enrichment* Cristina N. Vasconcelos, Aline Paes and Anselmo Montenegro
185	*A Nonnegative Tensor Factorization Approach for Three-Dimensional Binary Wafer-Test Data* Thomas Siegert, Reinhard Schachtner, Gerhard Pöppel and Elmar Lang
51	*Using Temporal discovery and Data-driven Journey-maps to Predict Customer Satisfaction*

	Glenn Fung, Joe Bockhorst, Sukrat Gupta, Maleeha Qazi and Mingju Sun
64	*Uncovering the Landscape of Fraud and Spam in the Telephony Channel* Aude Marzuoli, Hassan Kingravi, David Dewey and Robert Pienta
152	*Premature ventricular contraction beat detection with deep neural networks* Tae Joon Jun, Hyun Ji Park, Nguyen Hoang Minh, Daeyoung Kim and Young-Hak Kim
153	*Preference Aware Recommendation Based on Categorical Information* Zhiwei Rao, Jiangchao Yao, Ya Zhang and Rui Zhang
176	*Denoising high resolution multispectral images using deep learning approach* Utkarsh Ojha and Ankur Garg
204	*Ensembling Sparse Representation Classifiers through Layers of Support Vector Machines* Sudarshan Babu and Vikaasa Ramdas
	Poster Session2 (Dec. 19 at 5:00 pm)
205	*Relational Synthesis of Text and Numeric Data for Anomaly Detection on Computing System Logs* Elisabeth Baseman, Sean Blanchard, Zongze Li and Song Fu
23	*Visual Big Data Analytics for Traffic Monitoring in Smart City* Dinesh Singh, Vishnu C., Nazil Perveen and C. Krishna Mohan
32	*Revealing Fundamental Physics from the Daya Bay Neutrino Experiment using Deep Neural Networks* Evan Racah and Wahid Bhimji
58	*Author Identification using Deep Learning* Ahmed Mohsen, Nagwa El-Makky and Nagia Ghanem
85	*Water Fixture Identification in Smart Housing: A Domain Knowledge Based Case Study* Yan Gao, Daqing Hou, Natasha Kholgade Banerjee and Sean Banerjee
155	*Parallel Text Identification Using Lexical and Corpus Features for the English-Maori Language Pair* Mahsa Mohaghegh and Abdolhossein Sarrafzadeh
240	*Practical Techniques For Using Neural Networks To Estimate State From Images* Stephen Ashmore and Michael Gashler
256	*Faster Gated Recurrent Units via Conditional Computation* Andrew Davis and Itamar Arel
19	*Relevance Vector Machines with Uncertainty Measure for Seismic Bayesian Compressive Sensing and Survey Design* Georgios Pilikos and Anita Faul
47	*Improving the State Space Representation through Association Rules* Valquiria Duarte and Rita Julia
56	*A Statistical Learning Method to Fast Generalised Rule Induction Directly from Raw Measurements* Thien Le, Frederic Stahl, Mohamed Medhat Gaber and Chris Wrench
177	*Neural Network Conditional Random Fields for Self-Paced Brain Computer Interfaces*

	Jérémy Roos, Stéphane Bonnevay and Gérald Gavin
118	*ROBUST MODELING OF CONTINUOUS 4-D AFFECTIVE SPACE FROM EEG RECORDING* Rakib Al-Fahad and Mohammed Yeasin
136	*Neural Network Controller for Regulation of a Water-Cooled Fuel Cell Stack* Syed Misbahuddin, Mohamed El-Sharkh and Srinivas Palanki
165	*A Fuzzy Genetic Algorithm Classifier: The Impact of Time-Series Load Data Temporal Dimension on Classification Performance* Ahmed Abdulaal and Shihab Asfour
178	*Automatic Text Classification of ICD-10 Related CoD from Complex and Free Text Forensic Autopsy Reports* Ghulam Mujtaba, Liyana Shuib, Ram Gopal Raj and Retnagowri Ranjandram
33	*Real-Time Activity Classification by Matched Filtering using Body-Worn Accelerometers* Craig Euler, C.T. Lin, Bryan Juarez and Melissa Flores
40	*Interpretation Method of Nonlinear Multilayer Principal Component Analysis by using Sparsity and Hierarchical Clustering* Natsuki Koda and Sumio Watanabe
211	*Learning of aggregate features for comparing drivers based on naturalistic data* Iulian Carpatorea, Slawomir Nowaczyk, Thorsteinn Rognvaldsson, Marcus Elmer and Johan Lodin
217	*A review on Machine Learning and Data Mining Techniques for Residential Energy Smart Management* Hajer Salem, Moamar Sayed-Mouchaweh and Ahlem Ben Hassine