

2017 7th International Conference on Computer and Knowledge Engineering (ICCKE 2017)

**Mashhad, Iran
26-27 October 2017**



**IEEE Catalog Number: CFP1794T-POD
ISBN: 978-1-5386-0805-0**

**Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP1794T-POD
ISBN (Print-On-Demand):	978-1-5386-0805-0
ISBN (Online):	978-1-5386-0804-3
ISSN:	2375-1304

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Author(s)	Paper Title	Page Number
Milad HajMirzaei, Koorush Ziarati, Mohamad taghi Naghibi	Bi-Objective version of Team Orienteering Problem (BTOP)	1
Maryam Imani, Gholam Ali Montazer	GLCM Features and Fuzzy Nearest Neighbor Classifier for Emotion Recognition from Face	8
Alireza Mansouri, Fattaneh Taghiyareh	Toward an Emotional Opinion Formation Model through Agent-Based Modeling	14
Seyed Amirreza Taghdisi Heydariyan, Amir Hussein Mohajerzadeh	Using the combination of particle swarm algorithms and fuzzy approach to provide a clustering method for network nodes with coverage maintenance in wireless sensor networks	20
Zahra Sadeghi, Alberto Testolin, Marco Zorzi	Bilingualism advantage in handwritten character recognition: A deep learning investigation on Persian and Latin scripts	27
Zahra Rezaei, Mehرداد Jalali	Sentiment Analysis on Twitter using McDiarmid Tree Algorithm	33
Mina Mirjalili, Gholam-Ali Hossein-Zadeh	Characterization of Schizophrenia by Linear Kernel Canonical Correlation Analysis of Resting-state functional MRI and Structural MRI	37
Mojtaba Hajiabadi, Hossein Khoshbin, Ghosheh Abed Hodtani	Adaptive Beamforming Based on Linearly Constrained Maximum Correntropy Learning Algorithm	42
Nemat Saeidi, Hossein Karshenas, Hossein Mahvash Mohammadi	Learning Multi-Objective Binary Features for Image Representation	47
Maede Ashouri-Talouki, Ahmad Baraani-Dastjerdi, Naser Movahedinia	BlindLocation: Supporting User Location Privacy Using Blind Signature	53
Mostafa Meshkat, Mohsen Parhizgar	A Novel Sine and Cosine Algorithm for Global Optimization	60
Mohammad Sadegh Modir Khorasani, Lida Safarzadeh, Mohammad Hossein Yaghmaee Moghaddam	Implementation and Evaluation of OpenADR Standard with AMI Support in Cloud Computing	66
Hossein Bastan, Mohammad Ali Montazeri, Amin Ghalami osguei, Amir Khorsandi, Hossein Saidi	An analytical model for Segmented Bus enhanced Network on Chip	72
Sima Attarkhorasani, Reza Azmi, Vajiheh Sabeti	SDSuPK: Secured Data Sharing using Proxy Kerberos to Improve Openstack Swift Security	77
Saboora Mohammadian Roshan, Ali Karsaz, Yaser M. Roshan	A Comparative Analysis of Classification Algorithms in Diabetic Retinopathy Screening	84
Hesam Tajbakhsh, Mostafa Dehsangi, Morteza Analoui	Performance Profiling of Database Systems in Xen	90
Sima Iranmanesh, Vahid Sattari-Naeini, Behnam Ghavami	Inferring gene regulatory network using Path Consistency Algorithm based on Conditional Mutual information and genetic algorithm	98

Mohamadreza Mahmoodvand, Maryam Hourali	Semi-supervised approach for Persian word sense disambiguation	104
Mahmoud Abbasi, Farzad Tashtarian, Mohammad Hossein Yaghmaee Moghaddam	Residential power consumption forecasting in the smart grid using ANFIS system	111
Hiwa Sufikarimi, Karim Mohammadi	Corners as Interesting Points in Biologically Inspired Object Recognition, HMAX	119
Hossein Kashiyani, Shahriar Baradaran Shokouhi	Patchwise object tracking via structural local sparse appearance model	125
Fateme Jalali, Afshin Ebrahimi, Saeid Alirezazadeh	Word Prediction from fMRI Data Based on C-SVC and A Series Classifier	131
Lida Safarzadeh, Mohammad Sadegh Modir Khorasani, Mohammad Hossein Yaghmaee Moghaddam	A Cloud-Based Open Automated Demand Response Protocol with AMI Support	137
Davood Shanbehzadeh, Mohammad Reza Baghri	Amplified Template Attack of Cryptographic Algorithms	142
Farnaz Sabahi	A Novel Platform of Validity Concept and Fuzzy Kalman Filter Applied to Conservation Voltage Reduction Assessment	148
Banafsheh Azizi, Bahman Zamani, Shekoufeh Kolahdouz-Rahimi	Contract Verification of ETL Transformations	154
Ali Masoumi, Maryam Hourali, Amir Mohtarami	Designing an Intelligent Fuzzy PID controller for controlling and directing military unmanned vehicles	161
Elham Mirzavand, Dadmehr Rahbari, Mohsen Nickray	A Stable Chaining Routing In Fog Based WSNs	167
Shabnam Namazkar, Masoud Sabaei	Smart Cloud-assisted Computation Offloading System: A Dynamic Approach for Energy Optimization	174
Ahmad Reza Heravi, Ghosheh Abed Hodtani	Additive Non-Gaussian Noise Channel Estimation by Using Minimum Error Entropy Criterion	181
Behnaz Mirzapour babajan, Hadi S. Aghdasi	Modified Multi-Objective Hybrid DE and PSO Algorithms for Resource Allocation in Forest Fires	187
Seyyed Mohammad Zabihi, Hossein Ghanei-Yakhdan, Naser Mehrshad	Adaptive temporal error concealment method based on the MB behavior estimation in the video	193
Bartłomiej Balcerzak, Radosław Nielek	Golden Years, Golden Shores: A Study of Elders in Online Travel Communities	199
Sahar Mirzayi, Mohammad Mehrzad	Bitcoin, An SWOT Analysis	205
Keivan Nalaie, Kamaledin Ghiasi-Shirazi, Modhammad.R Akbarzadeh.T	Efficient implementation of Weighted Euclidean Distance Based Generalized Convolutional Neural Networks	211
Mirpouya Mirmozaffari, Alireza Alinezhad	Ranking of Heart Hospitals using Cross-Efficiency and Two-stage DEA model	217
Moein Owhadi-Kareshk, Yasser Sedaghak, Mohammad-R. Akbarzadeh-T.	Pre-Training of an Artificial Neural Network for Software Fault Prediction	223
Alireza Karimi, Mohammad Hosein Moattar	Android Ransomware Detection Using Reduced Opcode Sequence And Image Similarity	229

Fatemeh Erfan, Hamid Mala	Online Privacy Preserving Outsourcing of Large Matrix Multiplication	235
Nasim Alikhani, Shima Amiranloo, Vahideh Moghtadaiee, Seyed Ali Ghorashi	Fast Fingerprinting Based Indoor Localization by Wi-Fi Signals	241
Somayeh Soltani, Seyed Amin Hosseini Seno	A survey on digital evidence collection and analysis	247
Razieh Safari, Seyed Mohammad Ahadi, Sanaz Seyedin	Modular Dynamic Deep Denoising Autoencoder for Speech Enhancement	254
Amir Rajabzadeh, Mohsen Kiani	VLAG: A very fast locality approximation model for GPU kernels with regular access patterns	260
Homa Shafiei, Hamid Noori, Ahad Harati	Modeling Energy and Performance of Phoenix++ based Parallel Programs	266
Amin Amiri, Sanaz Seyedin, Mohammad Ahadi	Multi-layer Kullback-Leibler-based Complex NMF With LPC Error clustering for Blind Source Separation	272
Omid Hajihassani, Armin Ahmadzadeh, Mohsen Gavahi, Mohammadreza Raei, Dara Rahmati, Saeid Gorgin	A Low-Power Hybrid Non-Volatile Cache with Asymmetric Coding	277
Pezhman Adib, Saeid Alirezazadeh, Amin Nezarat	Enhancing Trust Accuracy among Online Social Network Users Utilizing Data Text Mining Techniques in Apache Spark	283
Farideh Saneei, Abbas Harifi, Shahram Golzari-Hormozi	Improving the Precision of KNN Classifier using Nonlinear Weighting Method Based on the Spline Interpolation	289
Zahra Shirmohammadi, Seyed Ghassem Miremadi	SDT-free: An Efficient Crosstalk Avoidance Coding Mechanism Considering Inductance Effects	293
Azad Azizzadeh, Reza Mohammadkhani, Seyed Vahab Al-Din Makki	BER Performance of Uplink Massive MIMO With Low Resolution ADCs	298
Saina Mohamadyari, Niousha Attar, Sadegh Aliakbari	On Feature Prediction in Temporal Social Networks based on Artificial Neural Network Learning	303
Mohammad Reza Ranjbar Divkoti, Mostafa Nouri Baygi	Path planning in polygonal domains for robots with limited turning abilities	308
Najmeh Samadiani, Saeed Moameri	Diagnosis of Coronary Artery Disease using Cuckoo Search and Genetic Algorithm in Single Photon Emission Computed Tomography images	314
Maryam Nezhadkamali, Somayeh Soltani, Seyyed Amin Hosseini Seno	Android malware detection based on overlapping of static features	319
Mahdi Houshmand, Samad Paydar	EMVille: A Gamification-Based Approach to Address the Equivalent Mutant Problem	326
Hamed Mohammadi, Reza Mohammadkhani	Beam Switching Techniques for Millimeter Wave Vehicle to Infrastructure Communications	333
Atefe Hosseiny, Nazbanou Farzaneh	A Tow-Level Security Approach for Wireless Sensor Networks	339
Sajad Haghzad Klidbary, Saeed Bagheri Shouraki, Aboozar Ghaffari, Soroush Sheikhpour Kourabbaslou	Outlier Robust Fuzzy Active Learning Method (ALM)	347

Arezoo Jahani, Leyli Mohammad Khanli	CaTa-VN: Coordinated and Topology-aware Virtual Network Service provisioning in Data Centers Network	353
Amirreza Sarencheh, Maryam Rajabzade asaar, Mahmud Salmasizadeh, Mohammadreza Aref	RAPP: An Efficient Revocation Scheme with Authentication and Privacy Preserving for Vehicular Ad-hoc Networks	359
Ashkan Sadeghi Iotfabi, Kamaledin Ghiasi-Shirazi, Ahad Harati	Modeling Intra-label Dynamics in Connectionist Temporal Classification	367
Ahmad Arab, Saeid Abrishami	MDMP A New algorithm to create inverted index files in BigData using MapReduce	372
Fatemeh Sadat Lesani, Faranak Fotouhi Ghazvini, Hossein Amirkhani	Smart Home User Identification using Bag of Events Approach	379
Mohammad Rasool Fatemi, Behnam Bakhshi, Alireza Zamani, Behshid Behkamal	A Scenario Based Approach for Behavior Analysis of Talented Students	384
Amirmasoud Ahmadi, Shiva Tafakori, Vahid Shalchyan, Mohammad Reza Daliri	Epileptic Seizure Classification using Novel Entropy Features Applied on Maximal Overlap Discrete Wavelet Packet Transform of EEG Signals	390
Behzad Rezaeifar, Mahdi Saadatmand-Tarzjan	A New Algorithm for Multimodal Medical Image Fusion Based on the Surfacelet Transform	396
Fatemeh Saeedizadeh, Reihane Kardehi Moghaddam	Optimal Control of HIV Stochastic Model through Genetic Algorithm	401
Arash Rashidi, Farbod Razzazi	Single Image Camera Identification Using I-Vectors	406
Arash Sabbaghi, Mohammad Reza Keyvanpour	A Novel Approach For Combinatorial Test Case Generation Using Multi Objective Optimization	411
Kambiz Shojaee, Habib Rajabi Mashhadi	Optimistic Initial Value Analysis in a Greedy Selection Approach to MAB Problems	419
Hossein Sharifi Noghabi, Habib Rajabi Mashhadi, Kambiz Shojaee Ghandeshtani	Generalized Differential Evolution	425
Fahime Roghani Arvaje, Behrouz Shahgholi Ghahfarokhi	A Spectrum Efficient Base Station Switching-off Mechanism for Green Cellular Networks	433
Sepehr Keykhaie, Maryam Rostaei	Congestion- and Selfishness-aware Social Routing in Delay Tolerant Networks	439
Salar Kanaani, Mohammad sadegh Helfroush, Habibollah Danyali, Mohammad ali Kazemi	Segmentation of skin lesions using an improved FLICM method	445
Mohammad Amin Fahami, Mohamad Roshanzamir, Navid Hoseini Izadi	A Reinforcement Learning Approach to Score Goals in Robocup 3D Soccer Simulation for Nao Humanoid Robot	450
Amir Hossein Babolhakami, Behshid Behkamal, Toktam Dehghani, Kobra Etmnani, Mahmoud Naghibzadeh	Protein's number of β -sheets prediction using structural features	455
Hussen Al-haj Ahmad, Yasser Sedaghat, Mohammadreza Rezaei	A Performance Counter-based Control Flow Checking Technique for Multi-core Processors	461