

# ICCKE 2017 Program

October 26-27, 2017

<b>Thursday, October 26 Morning</b>	7:30 - 8	Opening
	8 - 9	Keynote Speech 1
	<b>9 - 10:30</b>	<b>Sessions (A1, A2, A3)</b>
	10:30 - 11	Break
	<b>11 - 12:30</b>	<b>Sessions (B1, B2, B3)</b>
	12:30 - 14	Break
<b>Thursday, October 26 Afternoon</b>	14 - 15	Keynote Speech 2
	<b>15 - 16:30</b>	<b>Sessions (C1, C2, C3)</b>
	16:30 - 17	Break
	<b>17 - 18:30</b>	<b>Sessions (D1, D2, D3)</b>
	18:30 - 19	Break
<b>Friday, October 27 Morning</b>	8 - 9	Keynote Speech 3
	<b>9 - 10:30</b>	<b>Sessions (E1, E2, E3)</b>
	10:30 - 11	Break
	<b>11 - 12:30</b>	<b>Sessions (F1, F2, F3)</b>
	12:30 - 13	Closing

Session	Topics	Session Chairs	Session Title	Paper Count	Paper IDs
A1	Semantic Web and NLP (4) Data Analytics (1)	Prof. Kahani Dr. Ensan	Semantic Web and NLP	5	31, 63, 142, 180, 183
A2	Software Engineering (3) Bioinformatics (1)	Prof. Naghibzadeh Dr. Rasoolzadegan	Software Engineering and Bioinformatics	4	79, 160, 199, 222
A3	Data Analytics (4)	Dr. Asadi Dr. Nouri-Baygi	Data Analytics	4	103, 108, 149, 179
B1	Parallel Programming and Architecture (5)	Dr. Savadi Dr. Noori	Parallel Programming	5	47, 223, 133, 138, 141
B2	Computer Security and Cryptology (4)	Dr. Ghaemi Dr. Amintoosi	Computer Security -1	4	119, 131, 157, 175
B3	Applications of ICT in Smart Grid (3) Dependable and Real-time Embedded Systems(1)	Prof. Yaghmayee Dr. Sedaghat	Smart Grid and Embedded Systems	4	66, 74, 147, 207
C1	Wireless Ad-hoc and Sensor Networks (4)	Dr. Hosseini Seno Dr. Mohajerzadeh	Wireless Sensor Networks -1	4	14, 88,122, 148
C2	Computer Security and Cryptology (4)	Dr. Ghaemi Dr. Araban	Computer Security -2	4	38, 48, 75, 115
C3	Medical Image Processing (3) Visual Recognition(1)	Dr. Pourreza Dr. Fazl-Ersi	Image Processing	4	33, 70, 195, 219
D1	Wireless Ad-hoc and Sensor Networks (4)	Dr. Hosseini Seno Dr. Mohajerzadeh	Wireless Sensor Networks -2	4	162, 164, 171, 210
D2	Grid and Cloud Computing (3) Digital Currency and Blockchain Technology (1)	Prof. Delarosa Dr. Abrishami	Cloud Computing	4	41, 55, 92, 104
D3	Video Analysis and Processing (2) Neural Networks and Kernel Methods (2)	Dr. Vahedian Dr. Ghiasi-Shirazi	Video Processing and Neural Networks	4	71, 94, 102, 132
E1	Machine Learning (4)	Dr. Monsefi Dr. Harati	Machine Learning -1	4	49, 72, 95, 140
E2	Pattern Recognition and Application (5)	Prof. Sadoghi-Yazdi Dr. Taherinia	Pattern Recognition -1	5	11, 30, 34, 35, 77
E3	Evolutionary Computation (5)	Dr. Rohani Dr. Zomorodi	Evolutionary Computation -1	5	4, 12, 39, 57, 86
F1	Machine Learning (4) Probabilistic Graphical Models (1)	Dr. Monsefi Dr. Harati	Machine Learning -2	5	145, 154, 176, 205, 221
F2	Pattern Recognition and Application (3) Evolutionary Computation (1)	Prof. Sadoghi Yazdi Dr. Taherinia	Pattern Recognition -2	4	112, 165, 185, 197
F3	Evolutionary Computation (5)	Dr. Rohani Dr. Zomorodi	Evolutionary Computation -2	5	96, 106, 156, 196, 206

\* The number in parenthesis is the number of accepted papers in that track

### Session A1: Semantic Web and NLP

Paper ID	Paper Title	Authors
31	Sentiment Analysis on Twitter using McDiarmid Tree Algorithm	Zahra Rezaei Mehrdad Jalali
63	Semi-supervised approach for Persian word sense disambiguation	Mohamadreza Mahmoodvand Maryam Hourali
142	Enhancing Trust Accuracy among Online Social Network Users Utilizing Data Text Mining Techniques in Apache Spark	Pezhman Adib Amin Nezarat Saeid Alirezazadeh
180	Smart Home User Identification using Bag of Events Approach	Fatemeh Sadat Lesani Faranak Fotouhi Ghazvini Hossein Amirkhani
183	A Scenario Based Approach for Behavior Analysis of Talented Students	Mohammad Rasool Fatemi Behnam Bakhsh Alireza Zamani Behshid Behkamal

### Session A2: Software Engineering and Bioinformatics

Paper ID	Paper Title	Authors
79	Contract Verification of ETL Transformations	Banafsheh Azizi Bahman Zamani Shekoufeh Kolahdouz-Rahimi
160	EMVille: A Gamification-Based Approach to Address the Equivalent Mutant Problem	Mahdi Houshmand Samad Paydar
199	A Novel Approach For Combinatorial Test Case Generation Using Multi Objective Optimization	Arash Sabbagh Mohammad Reza Keyvanpour
222	Protein's number of $\beta$ -sheets prediction using structural features	Amir Hossein Babolhakami Behshid Behkamal Toktam Dehghani Kobra Etmnani Mahmoud Naghibzadeh

### Session A3: Data Analytics

Paper ID	Paper Title	Authors
103	Golden Years, Golden Shores: A Study of Elders in Online Travel Communities	Bartłomiej Balcerzak Radosław Nielek
108	Ranking of Heart Hospitals using Cross-Efficiency and Two-stage DEA model	Mirpouya Mirmozaffari Alireza Alinezhad
149	On Feature Prediction in Temporal Social Networks based on Artificial Neural Network Learning	Saina Mohamadyari Niousha Attar Sadegh Aliakbari
179	MDMP A New algorithm to create inverted index files in Big Data using Map-Reduce	Ahmad Arab Saeid Abrishami

### Session B1: Parallel Programming

Paper ID	Paper Title	Authors
47	An analytical model for Segmented Bus enhanced Network on Chip	Hossein Bastan Mohammad ali Montazeri Amin Ghalami osguei Amir Khorsandi Hossein Saidi
223	A Performance Counter-based Control Flow Checking Technique for Multi-core Processors	Hussen Al-haj Ahmad Yasser Sedaghat Mohammadreza Rezaei
133	VLAG: A very fast locality approximation model for GPU kernels with regular access patterns	Amir Rajabzadeh Mohsen Kiani
138	Modeling Energy and Performance of Phoenix++ based Parallel Programs	Homa Shafiei Hamid Noori Ahad Harati
141	A Low-Power Hybrid Non-Volatile Cache with Asymmetric Coding	Omid Hajihassani Armin Ahmadzadeh Mohsen Gavahi Mohammadreza Raei Dara Rahmati Saeid Gorgin

### Session B2: Computer Security - 1

Paper ID	Paper Title	Authors
119	Online Privacy Preserving Outsourcing of Large Matrix Multiplication	Fatemeh Erfan Hamid Mala
131	A survey on digital evidence collection and analysis	Somayeh Soltani Seyed Amin Hosseini Seno
157	Android malware detection based on overlapping of static features	Maryam Nezhadkamali Somayeh Soltani Seyyed Amin Hosseini Seno
175	RAPP: An Efficient Revocation Scheme with Authentication and Privacy Preserving for Vehicular Ad-hoc Networks	Amirreza Sarencheh Maryam Rajabzade asaar Mahmud Salmasizadeh Mohammadreza Aref

### Session B3: Smart Grid and Embedded Systems

Paper ID	Paper Title	Authors
66	Residential power consumption forecasting in the smart grid using ANFIS system	Mahmoud Abbasi Mohammad Hossein- Yaghmaee Moghaddam Farzad Tashtarian
74	A Cloud-Based Open Automated Demand Response Protocol with AMI Support	Lida Safarzadeh Mohammad Sadegh Modir- Khorasani Mohammad Hossein - Yaghmaee Moghaddam
147	SDT-free: An Efficient Crosstalk Avoidance Coding Mechanism Considering Inductance Effects	Zahra Shirmohammadi Seyed Ghassem Miremadi
207	A Spectrum Efficient Base Station Switching-off Mechanism for Green Cellular Networks	Fahime Roghani Arvaje Behrouz Shahgholi- Ghahfarokhi

### Session C1: Wireless Sensor Networks - 1

Paper ID	Paper Title	Authors
14	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	Seyed Amirreza Taghdisi Heydariyan Amir Hussein Mohajerzadeh
88	A Stable Changing Routing In Fog Based WSNs	Elham Mirzavand Dadmehr Rahbari Mohsen Nickray
122	Fast Fingerprinting Based Indoor Localization by Wi-Fi Signals	Nasim Alikhani Shima Amiranloo Vahideh Moghtadaiee Seyed Ali Ghorashi
148	BER Performance of Uplink Massive MIMO With Low Resolution ADCs	Azad Azizzadeh Reza Mohammadkhani Seyed Vahab Al-Din Makki

### Session C2: Computer Security – 2

Paper ID	Paper Title	Authors
38	BlindLocation: Supporting User Location Privacy Using Blind Signature	Maede Ashouri-Talouki Ahmad Baraani-Dastjerdi Naser Movahedinia
48	SDSuPK: Secured Data Sharing using Proxy Kerberos to Improve Openstack Swift Security	Sima Attarkhorasani Reza Azmi Vajiheh Sabeti
75	Amplified Template Attack of Cryptographic Algorithms	Davood Shanbehzadeh Mohammad reza Baghri
115	Android Ransomware Detection Using Reduced Opcode Sequence And Image Similarity	Alireza Karimi Mohammad Hosein Moattar

### Session C3: Image Processing

Paper ID	Paper Title	Authors
33	Characterization of Schizophrenia by Linear Kernel Canonical Correlation Analysis of Resting-state functional MRI and Structural MRI	Mina Mirjalili Gholam-Ali Hossein-Zadeh
70	Corners as Interesting Points in Biologically Inspired Object Recognition, HMAX	Hiwa Sufikarimi Karim Mohammadi
195	A New Algorithm for Multimodal Medical Image Fusion Based on the Surfacelet Transform	Behzad Rezaeifar Mahdi Saadatmand-Tarzjan
219	Segmentation of skin lesions using an improved FLICM method	Salar Kanaani

### Session D1: Wireless Sensor Networks – 2

Paper ID	Paper Title	Authors
162	Beam Switching Techniques for Millimeter Wave Vehicle to Infrastructure Communications	Hamed Mohammadi Reza Mohammadkhani
164	A Tow-Level Security Approach for Wireless Sensor Networks	Atefe Hosseiny Nazbanou Farzaneh
171	CaTa-VN: Coordinated and Topology-aware Virtual Network Service provisioning in Data Centers Network	Arezoo Jahani Leyli Mohammad Khanli
210	Congestion- and Selfishness-aware Social Routing in Delay Tolerant Networks	Sepehr Keykhaie

### Session D2: Cloud Computing

Paper ID	Paper Title	Authors
41	Implementation and Evaluation of OpenADR Standard with AMI Support in Cloud Computing	Mohammad Sadegh Modir-Khorasani Lida Safarzadeh Mohammad Hossein Yaghmaee Moghaddam
55	Performance Profiling of Database Systems in Xen	Hesam Tajbakhsh Mostafa Dehsangi Morteza Analoui
92	Smart Cloud-assisted Computation Offloading System: A Dynamic Approach for Energy Optimization	Shabnam Namazkar Masoud Sabaei
104	Bitcoin: An SWOT Analysis	Sahar Mirzayi Mohammad Mehrzad

### Session D3: Video Processing and Neural Networks

Paper ID	Paper Title	Authors
71	Patchwise object tracking via structural local sparse appearance model	Hossein Kashiyani Shahriar Baradaran Shokouhi
94	Additive Non-Gaussian Noise Channel Estimation by Using Minimum Error Entropy Criterion	Ahmad Reza Heravi Ghosheh Abed Hodtani
102	Adaptive temporal error concealment based on the MB behavior estimation in the video	Seyyed Mohammad Zabihi Hossein Ghanei-Yakhdan Naser Mehrshad
132	Modular Dynamic Deep Denoising Autoencoder for Speech Enhancement	Razieh Safari Seyed Mohammad Ahadi Sanaz Seyedin

### Session E1: Machine Learning -1

Paper ID	Paper Title	Authors
49	A Comparative Analysis of Classification Algorithms in Diabetic Retinopathy Screening	Saboora Mohammadian-Roshan Ali Karsaz Yaser M. Roshan
72	Word Prediction from fMRI Data Based on C-SVC and A Series Classifier	Fateme Jalali Afshin Ebrahimi Saeid Alirezazadeh
95	On the Convergence Rate of the Fixed-Point Maximum Correntropy Algorithm	Ahmad Reza Heravi Ghosheh Abed Hodtani
140	Multi-layer Kullback-Leibler-based Complex NMF With LPC Error clustering for Blind Source Separation	Amin Amiri sanaz seyed mohammad ahadi



### Session E2: Pattern Recognition -1

Paper ID	Paper Title	Authors
11	GLCM Features and Fuzzy Nearest Neighbor Classifier for Emotion Recognition from Face	Maryam Imani Gholam Ali Montazer
30	Bilingualism advantage in handwritten character recognition: A deep learning investigation on Persian and Latin scripts	Zahra Sadeghi Alberto Testolin Marco Zorzi
34	Adaptive Beamforming Based on Linearly Constrained Maximum Correntropy Learning Algorithm	Mojtaba Hajiabadi Hossein Khoshbin Ghosheh Abed Hodtani
35	Learning Multi-Objective Binary Features for Image Representation	Nemat Saeidi Hossein Karshenas Hossein Mahvash Mohammadi
77	A Novel Platform of Validity Concept and Fuzzy Kalman Filter Applied to Conservation Voltage Reduction Assessment	Farnaz Sabahi

### Session E3: Evolutionary Computation - 1

Paper ID	Paper Title	Authors
4	Bi-Objective version of Team Orienteering Problem (BTOP)	Milad HajMirzaei Koorush Ziarati Mohamad taghi Naghibi
12	Toward an Emotional Opinion Formation Model through Agent-Based Modeling	Alireza Mansouri Fattaneh Taghiyareh
39	A Novel Sine and Cosine Algorithm for Global Optimization	Mostafa Meshkat Mohsen Parhizgar
57	Inferring gene regulatory network using Path Consistency Algorithm based on Conditional Mutual information and genetic algorithm	Sima Iranmanesh Vahid Sattari-Naeini Behnam Ghavami
86	Designing an Intelligent Fuzzy PID controller for controlling and directing military unmanned vehicle	Ali Masoumi Maryam Hourali Amir Mohtarami

### Session F1: Machine Learning -2

Paper ID	Paper Title	Authors
145	Improving the Precision of KNN Classifier using Nonlinear Weighting Method Based on the Spline Interpolation	Farideh Saneei Abbas Harifi Shahram Golzari-Hormozi
154	Path planning in polygonal domains for robots with limited turning abilities	Mohammad Reza Ranjbar Divkoti Mostafa Nouri Baygi
176	Modeling Intra-label Dynamics in Connectionist Temporal Classification	Ashkan Sadeghi lotfabadi Kamaledin Ghiasi-Shirazi Ahad Harati
205	Optimistic Initial Value Analysis in a Greedy Selection Approach to MAB Problems	Habib Rajabi Mashhadi Kambiz Shojae
221	A Reinforcement Learning Approach to Score Goals in Robocup 3D Soccer Simulation for Nao Humanoid Robot	Mohammad Amin Fahami Mohamad Roshanzamir Navid Hoseini Izadi

### Session F2: Pattern Recognition -2

Paper ID	Paper Title	Authors
112	Pre-Training of an Artificial Neural Network for Software Fault Prediction	Moein Owhadi-Kareshk Yasser Sedaghat Mohammad-R. Akbarzadeh-T.
165	Outlier Robust Fuzzy Active Learning Method (ALM)	Sajad Haghzad Klidbary Saeed Bagheri Shouraki Aboozar Ghaffari Soroush SheikhpourKourabbaslou
185	Epileptic Seizure Classification using Novel Entropy Features Applied on Maximal Overlap Discrete Wavelet Packet Transform of EEG Signals	Amirmasoud Ahmadi Shiva Tafakori Mohammad Reza Daliri
197	Single Image Camera Identification Using I-Vectors	Arash Rashidi Farbod Razzazi

### Session F3: Evolutionary Computation - 2

Paper ID	Paper Title	Authors
96	Modified Multi-Objective Hybrid DE and PSO Algorithms for Resource Allocation in Forest Fires	Behnaz Mirzapour babajan Hadi S. Aghdasi
106	Efficient implementation of Weighted Euclidean Distance Based Generalized Convolutional Neural Networks	Keivan Nalaie Kamaleddin Ghiasi-Shirazi Modhammad.R Akbarzadeh.T
156	Diagnosis of Coronary Artery Disease using Cuckoo Search and Genetic Algorithm in Single Photon Emission Computed Tomography images	Najmeh Samadiani Saeed Moameri
196	Optimal Control of HIV Stochastic Model through Genetic Algorithm	Fatemeh Saeedizadeh Reihane Kardehi Moghaddam
206	Generalized Differential Evolution	Habib Rajabi Mashhadi Kambiz Shojaee-Ghandeshtani Hossein Sharifi Noghabi