

The 2013 CSI International symposium on
 Artificial Intelligence and Signal Processing (AISP)
 AND
 Computer Networks and Distributed Systems (CNDS)
 AND
 Computer Science and Software Engineering (CSSE)

Wednesday	2013/12/25		
09:00-10:30	Symposium opening		
10:30-11:00	Break		
11:00-12:00	Keynote speaker – Prof. Abbas Edalat		
12:00-13:30	Lunch		
13:30-15:30	AISP – AI1	AISP – AI2	
15:30-16:00	Break		
16:00-18:00	CNDS – CN1	AISP – AI3	CSSE – CS1

Thursday	2013/12/26		
08:00-10:00	AISP – AI4	AISP – AI5	
10:00-10:30	Break		
10:30-12:30	CNDS – CN2	AISP – AI6	CSSE – CS2
12:30-13:30	Lunch		
13:30-15:30	AISP – AI7	CNDS – CN3	AISP – AI8
15:30-16:00	Break		
16:00-18:00	CNDS – CN4	AISP – AI9	CSSE – CS3



Wednesday
2013/12/25

AI1	Image Processing 1	Room: 101
Time	Chairs: Dr. Kasaei, Dr. Abrishami Moghaddam	
13:30 14:00	Kernel Grouped Multivariate Discriminant Analysis for Hyperspectral Image Classification <i>Mostafa Borhani and Hassan Ghassemian</i>	
14:00 14:30	Robust Zero Watermarking For Still and Similar Images Using a Learning Based Contour Detection <i>Shahryar Ehsaei and Mansour Jamzad</i>	
14:30 15:00	Multi-Focus Image Fusion for Visual Sensor Networks in Wavelet Domain <i>Mehdi Nooshyar, Mohammad Abdipour and Mehdi Khajuee</i>	
15:00 15:30	Facial Expression Generic Elastic Models from a Single 2D Image for large Pose Face Synthesis and Recognition <i>Ali Moeini, Karim Faez and Hossein Moeini</i>	

AI2	Image Processing 2	Room: 102
Time	Chairs: Dr. Kabir, Dr. Sajedi	
13:30 14:00	Facial Emotion Recognition Using Gravitational Search Algorithm <i>Fatemeh Shahrabi Farahani, Mansour Sheikhan and Ali Farrokhi</i>	
14:00 14:30	Novel Spatial Approaches for Classification of Hyperspectral Remotely Sensed Landscapes <i>Mostafa Borhani and Hassan Ghassemian</i>	
14:30 15:00	Contourlet-Based Levelset SAR Image Segmentation <i>Alireza Ebrahimi, Mohammad Sadegh Helfroush and Habibollah Danyali</i>	
15:00 15:30	Stereo Correspondence Using Hierarchical Belief Propagation and Cross-Based Region <i>Alireza Abutorabi and Amir Mousavinia</i>	

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AI3	Machine Vision	Room: 102
Time	Chairs: Dr. Ebrahimi Moghaddam, Dr. Fathi	
16:00	Incremental Discriminative Color Object Tracking	
16:30	<i>Alireza Asvadi, Hami Mahdavinataj, Mohammadreza Karami and Yasser Baleghi</i>	
16:30	Aerial Target Recognition Based on High Resolution Range Profiles (HRRP)	
17:00	<i>Reza Hallaj, Reza Mohseni and Kamran Kazemi</i>	
17:00	Unconstrained Head Pose Estimation with Constrained Local Model and Memory Based Particle Filter by 3D Point Distribution Models	
17:30	<i>Ali Moeini, Karim Faez and Mahdi Seyfipoor</i>	
17:30	Semi-Dynamic Facial Expression Recognition based on Masked Displacement Image	
18:00	<i>Hamid Sadeghi and Abolghasem Asadollah Raie</i>	

Thursday
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AI4	Medical Image Processing	Room: 101
Time	Chairs: Dr. Fatemizadeh, Dr. Jamzad	
08:00	Needle Detection in 3D Ultrasound Images Using Anisotropic Diffusion and Robust Fitting	
08:30	<i>Leila Malekian, Heidar Ali Talebi and Farzad Towhidkhan</i>	
8:30	A Robust and Invariance Keypoint Extraction Algorithm in Brain MR Images	
9:00	<i>Hossein Sarikhani, Ebrahim Abdollahian, Mohsen Shirpour, Alireza Javaheri and Mohammad Taghi Manzuri</i>	
9:00	Automated Retinal Vessel Segmentation Using fuzzy Mathematical Morphology And double Threshold	
9:30	<i>Razieh Akhavan and Karim Faez</i>	
9:30	Diagnosing of Fatty and Heterogeneous Liver Diseases from Ultrasound Images Using Fully Automated Segmentation and Hierarchical Classification	
10:00	<i>Mehri Owjimehr, Habibollah Danyali and Mohammad Sadegh Helfrout</i>	



دانشگاه صنعتی امیرکبیر



انجمن کامپیوتر ایران
Computer Society of Iran

Thursday
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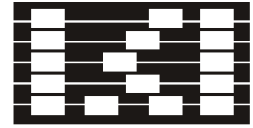
AI5	Signal Processing	Room: 103
Time	Chairs: Dr. Rabiee, Dr. Sameti	
08:00	A New Sparse Representation Algorithm for Signal Classification <i>Azam Andalib and Seyed Morteza Babamir</i>	
08:30		
8:30	Threshold-Based Hidden Markov Model for Detecting Anomalies in SAX-Represented ECG <i>Milad Zandi-Goharrizy, Mohammad-Reza Zare-Mirakabad and Fatemeh Kaveh-Yazdy</i>	
9:00		
9:00	Decoding the Long Term Memory (LTM) Using Weighted Thresholding Union Subspaces Based Classification on Magnetoencephalogram (MEG) <i>Sahar Tavakoli and Emad Fatemizadeh</i>	
9:30		
9:30	An Adaptive Automatic EEG Signal Segmentation Method Based on Generalized Likelihood Ratio <i>Hamed Azami, Mahmoud Anisheh and Hamid Hassanpour</i>	
10:00		

AI6	Speech Processing	Room: 103
Time	Chairs: Dr. Sameti, Dr. Homayoonpour	
10:30	Speech Synthesis Based on Gaussian Conditional Random Fields <i>Soheil Khorram, Fahimeh Bahmaninezhad and Hossein Sameti</i>	
11:00		
11:00	Discriminative Spoken Language Understanding Using Statistical Machine Translation Alignment Methods <i>Mohammad Aliannejadi, Shahram Khadivi, Saeed Shiry and Mohammad Hadi Bokaei</i>	
11:30		
11:30	Noise Aware Sub-band Locality Preserving Projection for Robust Speech Recognition <i>Zahra Karevan, Ahmad Akbari and Babak Nasersharif</i>	
12:00		
12:00	A New Signal Segmentation Approach based on Singular Value Decomposition and Intelligent Savitzky-Golay Filter <i>Hamed Azami, Morteza Saraf and Karim Mohammadi</i>	
12:30		

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AI7 Natural Language Processing		Room: 101
Time	Chairs: Dr. Sani, Dr. Faili	
13:30 14:00	Improving Reordering models with Phrase number feature for statistical Machine Translation <i>Neda Noormohammadi, Zahra Rahimi and Shahram Khadivi</i>	
14:00 14:30	An Automatic Prosodic Event Detector Using MSD HMMs for Persian Language <i>Fatemeh Sadat Saleh, Boshra Shams, Hossein Sameti and Soheil Khorram</i>	
14:30 15:00	Word-Level Confidence Estimation for Statistical Machine Translation using IBM-1 Model <i>Mohammad Mahdi Mahsuli and Shahram Khadivi</i>	
15:00 15:30	ACUT: An Associative Classifier Approach to Unknown Word POS Tagging <i>Mohammad Hossein Elahimanesh, Behrouz Minaei-Bidgoli and Fateme Kermani</i>	



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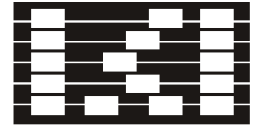
AI8		systems and AI Applications	Room: 102
Time	Chairs: Dr. Jalili, Dr. Erabi, Dr. Soleymani		
13:30	Adaptive Parameter Selection in Comprehensive Learning Particle Swarm Optimizer		
14:00	<i>Mohammad Hasanzadeh, Mohammd Reza Meybodi and Mohammad Mehdi Ebadzadeh</i>		
14:00	A Biologically Inspired Solution for Fuzzy Travelling Salesman Problem		
14:30	<i>Elham Pezhhan and Eghbal Mansoori</i>		
14:30	Pose-Invariant Face Recognition in Video Sequences by 3D Face Reconstruction and Synthesis Face Pose		
15:00	<i>Ali Moeini, Karim Faez and Abdolmanaf Mehrabi Sisakht</i>		
15:00	Extracting Parallel Fragments from Comparable Documents Using a Feature-Based Method		
15:30	<i>Zeinab Rahimi, Mohammad Hossein Samani and Shahram Khadivi</i>		

AI9		Robotics	Room: 103
Time	Chairs: Dr. Jamzad		
16:00	Modified TangentBug Navigation Algorithm with Application to Car-like Robots		
16:30	<i>Sayed Navid Hoseini Izadi and Maziar Palhang</i>		
16:30	Differential Evolution Optimization of Ferguson Splines for Soccer Robot Path Planning		
17:00	<i>Elahe Mansury, Alireza Nikookar and Mostafa E. Salehi</i>		
17:00	A Group Decision Support System (GDSS) based on Naïve Bayes Classifier for Roadway Lane Management		
17:30	<i>Rayehe Moienfar, S.Mehdi Hashemi and Mehdi Ghatee</i>		
17:30	A Novel Extracellular Spike Detection Approach for Noisy Neuronal Data		
18:00	<i>Hamed Azami, Morteza Saraf, Karim Mohammadi and Saeid Sanei</i>		

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CN1		Wireless Sensor networks	Room: 101
Time	Chairs: Dr. Sabaei, Dr: Mizanian		
16:00 16:30	Topology Control in Wireless Sensor Network by Considering Delay-Constraints and Distribution of Energy Consumption <i>Khushe Motemani</i>		
16:30 17:00	Wireless Sensor Network Lifetime Maximization Using Multiple Mobile Sink Nodes <i>Ghassem Samimi, Ehsan Saradar Torshizi and Ali Mohammad Afshin Hemmatyar</i>		
17:00 17:30	IRTP: Improved Reliable Transport Protocol for Wireless Sensor Networks <i>Parisa Bolourian Haghighi, Mohammad Hossein Yaghmaee Moghaddam, Maliheh Bahekmat and Mahsa Bolourian Haghighi</i>		
17:30 18:00	A Perturbation-Proof Self-Stabilizing Algorithm for Constructing Virtual Backbones in Wireless Ad-Hoc Networks <i>Amirreza Ramtin, Vesal Hakami and Mehdi Dehghan</i>		



Thursday
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CN2 Cognitive and Multimedia networks Room: 101	
Time	Chairs: Dr. Ajorloo, Dr. Dehghan
10:30 11:00	Random Sensing Strategies in Cognitive Friendly Networks <i>Atoosa Dalili Shoaee and Siavash Khorsandi</i>
11:00 11:30	Weighted Consensus-Based Cooperative Spectrum Sensing with Learning Automata (LA) in Cognitive Radio Networks <i>Milad Soltani and Abdorasoul Ghasemi</i>
11:30 12:00	Introducing the GBA Covert Channel in IP Multimedia Subsystem (IMS) <i>Ghader Ebrahimpour, Siavash Khorsandi and Ali Piroozi</i>
12:00 12:30	DCF/RCB: A New Method for Detection and Punishment of Selfish Nodes in IEEE 802.11 <i>Maryam Chinipardaz and Mehdi Dehghan</i>

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CN3		Security	Room: 103
Time	Chair: Dr. Amini, Dr. Yazdian		
13:30 14:00	PPayWord: A Secure and Fast P2P Micropayment Scheme for Video Streaming <i>Zahra Ghafoori, Mehdi Dehghan and Majid Nourhoseini</i>		
14:00 14:30	Missing a Trusted Reference Monitor: How to Enforce Confidential and Dynamic Access Policies? <i>Leila Karimi, Seyyed Ahmad Javadi, Mohammad Ali Hadavi and Rasool Jalili</i>		
14:30 15:00	An Improved Distributed Intrusion Detection Architecture for Cloud Computing <i>Hamid Reza Ghorbani and Mahmoud Reza Hashemi</i>		
15:00 15:30	Detection of Sybil Nodes in Mobile Sensor Networks Using the Context of Nodes Mobility <i>Rezvan Almas Shehni and Karim Faez</i>		



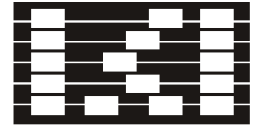
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CN4		Clouds and grids	Room: 101
Time	Chair: Dr. Sarbazi-Azad, Dr. Fathi (or Dr. Analoui)		
16:00	A Two-Level Energy-Aware ILP Formulation for Application Mapping on a Mobile Cloud Infrastructure		
16:30	<i>Hamid Tabani and Mahmoud Reza Hashemi</i>		
16:30	A Multi-Criteria Resource Allocation Mechanism for Mobile Clouds		
17:00	<i>Simin Ghasemi Falavarjani, Mohammad Ali Nematbakhsh and Behrouz Shahgholi Ghahfarokhi</i>		
17:00	An Efficient Scheduling of HPC Applications on Geographically Distributed Cloud Data Centers		
17:30	<i>Aboozar Rajabi, Hamid Reza Faragardi and Thomas Nolte</i>		
17:30	A Genetic QoS-Aware Routing Protocol for Smart Grids		
18:00	<i>Razieh Rastgoo and Vahid Sattari Naeini</i>		

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CS1		Room: 103
Time	Chairs: Dr. Khosravi and Dr. Sharifi, Dr. Abdolazadeh	
16:00 16:30	A Hybrid Method for Evaluating Semantic Similarity of Words Based on Ontology <i>Fereshteh Nejatpour, Mohammad Hadi Sadredini and Reza Akbari</i>	
16:30 17:00	Applying Link Prediction Techniques for Item Recommendation in C2C Commercial Networks <i>Amin Rezaee and Bahman Zamani</i>	
17:00 17:30	A Fault-Tolerance Pattern Recommender for Transactional Service Compositions <i>Omid Bushehrian and Mohammad Mohsen Mavaddat</i>	
17:30 18:00	A Semi-Automatic Approach for WSC <i>Parinaz Mobedi, Asadollah Shahbahrami and Reza Ebrahimi Atani</i>	



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CS2		Room: 102
Time	Chairs: Dr. Khonsari and Dr. Razzazi	
10:30	Approximation and randomized method for Visibility Counting Problem	
11:00	<i>Sharareh Alipour and Mohammad Ghodsi</i>	
11:00	PKavosh: A New Parallel Approach to Motif Finding	
11:30	<i>Hassan Ketabi and Mohammadreza A. Oskoei</i>	
11:30	SiftCU: An Accelerated Cuda Based Implementation of SIFT	
12:00	<i>Mahdi Soltan Mohammadi and Mehdi Rezaeian</i>	
12:00	Acceleration of IPTABLES Linux Packet Filtering using GPGPU	
12:30	<i>Keyvan Karimi, Arash Ahmadi, Mahmood Ahmadi and Bahram Bahrambeigy</i>	

CS3		Room: 102
Time	Chairs: Dr. Izadi and Dr. Soleyman Fallah	
16:00	A Computational Model of Trust Based on a Multi-Criteria Decision-Making Approach	
16:30	<i>Mehrdad Ashtiani and Mohammad Abdollahi Azgomi</i>	
16:30	An Improved Architectural Pattern for Organic Resource-Flow systems	
17:00	<i>Ali Tarihi, Hassan Haghighi and Fereidoon Shams Aliee</i>	
17:00	A Self Organizing Architecture for Adjusting Level of Difficulty in Games	
17:30	<i>Adeleh Ebrahimi and Mohammad Reza Akbarzadeh Tutunchi</i>	
17:30	Modified Bitwise Hill Crypto System	
18:00	<i>Jaber Karimpour, Masoud Aghdasifam and Ali A. Noroozi</i>	