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16

Citations (Scopus):

1378

Research Interests

#	Title	Start date
1	Deep Reinforcement learning	
2	Computational Intelligence	
3	Computational Neuroscience	
4	Machine Learning	

Supervised PhD Theses

#	Thesis title	By	Date
1	Kernel Compositional Embedding and its application in linguistic Structured Data Classification	Hamed Ganji Arjenaki & Mohammad Mehdi Ebadzadeh	March 2021
2	Decomposition-based Genetic Programming	Samaneh Sadat Mousavi Astarabadi & Mohammad Mehdi Ebadzadeh	July 2018
3	A Computational Model of Basal Ganglia for Motor Control	Armin Salimi Badr & Mohammad Mehdi Ebadzadeh	February 2018
4	Semantic Schema-based Genetic Programming	Zahra Zojaji & Mohammad Mehdi Ebadzadeh	September 2017

5	Variable Signature Modeling for Spectral Unmixing	Ali Jafari & Mohammad Mehdi Ebadzadeh	November 2016
6	Mathematical and Computational Modeling of the Interaction between the Immune and Nervous Systems	Hamed Malek & Mohammad Mehdi Ebadzadeh	November 2015
7	Statistical Genetic Programming for Solving Symbolic Regression Problems	Maryam Amir Haeri & Mohammad Mehdi Ebadzadeh	August 2014
8	Improved Particle Swarm Optimizers for Non-Stationary Environments	Ahmad Nikababdi & Mohammad Mehdi Ebadzadeh	April 2012

Supervised MSc Theses

#	Thesis title	By	Date
1	a computational model of the cerebellum applied to the movement of eyes and head	Hamidreza Dargahi & Mohammad Mehdi Ebadzadeh	March 2022
2	A computational model of basal ganglia for planning and selection	Emad Arezoomand & Mohammad Mehdi Ebadzadeh	October 2021
3	Distributed deep learning for big data	Hossein Khalilian Gourtani & Mohammad Mehdi Ebadzadeh	September 2021
4	Kernel Clustering for Massive Data Sets	Amir Aradnia & Mohammad Mehdi Ebadzadeh	July 2020
5	Fuzzy Clustering for Big Data	Leila Azadkhan & Mohammad Mehdi Ebadzadeh	September 2019
6	Human Behaviour simulationan In Autonomous Agents:Emotions And Personality_ Inorder To Communicate with Autism's Childeren	Mahdiyeh Sadat Moosavi & Mohammad Mehdi Ebadzadeh	July 2018
7	Mobile robot navigation, using cognitve maps	Sina Raeesi & Mohammad Mehdi Ebadzadeh	July 2018
8	Correlated dimensions particle swarm optimization	Alireza Badakhshan & Mohammad Mehdi Ebadzadeh	July 2017
9	Improving Multi-Objective particle swarm optimization	Masoomah Mahtabi & Mohammad Mehdi Ebadzadeh	July 2017
10	Fuzzy-Based Recommender Systems in E-Commerce	Ali Emamhadi & Mohammad Mehdi Ebadzadeh	July 2017
11	Topic Adaptation for Statistical Machine Translation	Mina Taraghi & Mohammad Mehdi Ebadzadeh	February 2017
12	An Improved Particle Swarm Optimization Algorithm for High-dimensional Problems	Hamid Nasiri & Mohammad Mehdi Ebadzadeh	October 2016
13	Forecasting financial market using correlated fuzzy neural networks	Mohammad Karim Shoeibi Nobarian & Mohammad Mehdi Ebadzadeh	May 2016
14	Improving genetic programming by nature inspiration	Raana Pouria & Mohammad Mehdi Ebadzadeh	April 2016
15	Classification using sparse representation and kernel trick	Mohammad Mazraeh & Mohammad Mehdi Ebadzadeh	February 2016

16	A new optimization algorithm based on artificial immune system	Bahareh Etaati & Mohammad Mehdi Ebadzadeh	September 2015
17	Diploid Evolutionary Algorithm	Fateme Beigom Hoseini & Mohammad Mehdi Ebadzadeh	September 2015
18	A Chaotic Memetic Algorithm-Based Approach to Spectrum Allocation and Power Control with Constraints in Cognitive Radio Networks	Mohammadali Hojatpanahfeyzabadi & Mohammad Mehdi Ebadzadeh	October 2014
19	A new learning method for correlated fuzzy interval type 2 neural network	Farshad Afshari & Mohammad Mehdi Ebadzadeh	September 2014
20	Diploid genetic programming for function estimation	Fatemeh Shadjou & Mohammad Mehdi Ebadzadeh	June 2014
21	Improving computational models of basal ganglia for planning	Mahsa Khoshnoodi & Mohammad Mehdi Ebadzadeh	June 2014
22	an improvement to the learning algorithm of the recurrent bottleneck neural network	Naemeh Sadat Adl & Mohammad Mehdi Ebadzadeh	February 2013
23	A novel approach in evolutionary strategy	Arash Khoshnood & Mohammad Mehdi Ebadzadeh	October 2012
24	presenting a fuzzy neuronal motor control model inspired from cerebellar pathways	Armin Salimi Badr & Mohammad Mehdi Ebadzadeh	October 2012
25	mobile ad-hoc networks misbehavior detection using artificial immune system	Navid Shekoufa & Mohammad Mehdi Ebadzadeh	July 2012
26	proposed model for vestibulo-ocular reflex	Zahra Zamanzadeh Darban & Mohammad Mehdi Ebadzadeh	June 2012
27	image retrieval using fuzzy measures	Elham Akbarkhah & Mohammad Mehdi Ebadzadeh	May 2012
28	web page classification with an ant colony algorithm	Fakhteh Molanazari & Mohammad Mehdi Ebadzadeh	May 2012
29	a diploid evolutionary algorithm for optimization problem	Leila Naghshbandi & Mohammad Mehdi Ebadzadeh	February 2012
30	modification of cerebellum network for controlling two segmented arm	Mitra Asadi Eydivand & Mohammad Mehdi Ebadzadeh	July 2011
31	obtaining nash equilibrium via artificial immune system	Mostafa Aghajani & Mohammad Mehdi Ebadzadeh	June 2011
32	a model of basal ganglia in movement control	Atousa Assadi & Mohammad Mehdi Ebadzadeh	June 2011
33	a model of cerebellum in control of limb movement	Rozbeh Norozi & Mohammad Mehdi Ebadzadeh	June 2011
34	improving genetic kernel support vector machines and its application in text classification	Mehrdad Alizadeh & Mohammad Mehdi Ebadzadeh	June 2011
35	authentication based on keystroke as a complementary behavioral biometric	Mandana Goudarzian & Mohammad Mehdi Ebadzadeh	October 2010
36	Modular immune programming using learning automata for data classification	Hamid Izadinia & Mohammad Mehdi Ebadzadeh	July 2010

37	Piecewise linear classifier using fuzzy immune network	Fereshteh Sadeghi & Mohammad Mehdi Ebadzadeh	July 2010
38	Using danger model of the immune systems for intrusion detection in distributed systems	Mahdi Zamani & Mohammad Mehdi Ebadzadeh	June 2010
39	Improving particle swarm optimization in function optimization	Seyyed Mostafa Arefiyan Khalilabad & Mohammad Mehdi Ebadzadeh	February 2010
40	presenting deferred rendering speed estimation model in scenes with different properties	Ehsan Khadangi & Mohammad Mehdi Ebadzadeh	January 2009
41	Time series forecasting using genetic programming	Abbas Sarraf Shirazi & Mohammad Mehdi Ebadzadeh	December 2008
42	Assessing Successful Implementation of Knowledge Management in Organization by Fuzzy Expert System	Rosa Bonyadi & Mohammad Mehdi Ebadzadeh	April 2008
43	Designing IT Management Solutions Expert Systems for Business Improvement and Extension	Sasan Zarif Saffari & Mohammad Mehdi Ebadzadeh	March 2008

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Swarm Intelligence Volume 1: Principles, current algorithms and methods	Ahmad Nikabadi, Reza Safabakhsh, Mohammad Mehdi Ebadzadeh	United Kingdom	July 2018	1

Journal Papers

Portal Records

- Zahra Zojaji, Mohammad Mehdi Ebadzadeh, Hamid Nasiri, "Semantic schema based genetic programming for symbolic regression", APPLIED SOFT COMPUTING, April 2022 Vol. 122, Num. 108825, Page 1-25, April 2022,
- Mohammad Modiri, Mohammad Mehdi Homayounpour, Mohammad Mehdi Ebadzadeh, "Reservoir weights learning based on adaptive dynamic programming and its application in time series classification", NEURAL COMPUTING & APPLICATIONS, January 2022 Vol. -, Num. 0, Page 1-17, January 2022,
- Bahareh Etaati, Zahra Ghorrati, Mohammad Mehdi Ebadzadeh, "A full-featured cooperative coevolutionary memory-based artificial immune system for dynamic optimization", APPLIED SOFT COMPUTING, January 2022 Vol. 117, Num. 108388, Page 0-0, January 2022,
- Armin Salimi Badr, Mohammad Mehdi Ebadzadeh, "A novel learning algorithm based on computing the rules' desired outputs of a TSK fuzzy neural network with non-separable fuzzy rules", NEUROCOMPUTING, November 2021 Vol. 470, Num. 1, Page 139-153, November 2021,
- Amir Aradnia, Maryam Amir Haeri, Mohammad Mehdi Ebadzadeh, "Adaptive Explicit Kernel Minkowski Weighted K-means", INFORMATION SCIENCES, October 2021 Vol. 584, Num. 1, Page 503-518, October 2021,
- Hamed Malek, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, Alireza Razavi, "Mathematical analysis of the role of pituitary-adrenal interactions in ultradian rhythms of the HPA axis", COMPUTERS IN BIOLOGY AND MEDICINE, August 2021 Vol. 135, Num. 104580, Page 1-7, August 2021,
- Arash Abdi Hejrandoost, Mohammad Rahmati, Mohammad Mehdi Ebadzadeh, "Entropy based dictionary learning for image classification", PATTERN RECOGNITION, September 2020 Vol. 110, Num. 10, Page 1-20, September 2020,

- 8 Christian Darlot, Armin Salimi Badr, Mitra Asadi Eydivand, Zahra Ghorrati , Mohammad Mehdi Ebadzadeh, "A Computational System-Level Model of Oculomotor Pathways Accounting for the Representation of Eye Biomechanics in the Cerebellar Vermis", IEEE Access-OPEN, June 2020 Vol. 8, Num. 1, Page 110859-110879, June 2020,
- 9 Seyedeh Yasaman Rashida, Masoud Sabaei, Mohammad Mehdi Ebadzadeh, Amir Masoud Rahmani, "An intelligent approach for predicting resource usage by combining decomposition techniques with NFTS network", CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, May 2020 Vol. 23, Num. 4, Page 3435-3460, May 2020,
- 10 Armin Salimi Badr, Mohammad Mehdi Ebadzadeh, "A Novel Self-Organizing Fuzzy Neural Network to Learn and Mimic Habitual Sequential Tasks", IEEE Transactions on Cybernetics, April 2020 Vol. 1, Num. 1, Page 1-10, April 2020,
- 11 Seyedeh Yasaman Rashida, Masoud Sabaei, Mohammad Mehdi Ebadzadeh, Amir Masoud Rahmani, "A memetic grouping genetic algorithm for cost efficient VM placement in multi-cloud environment", CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, July 2019 Vol. 2019, Num. 1, Page 1-40, July 2019,
- 12 Samaneh Sadat Mousavi Astarabadi, Mohammad Mehdi Ebadzadeh, "Genetic Programming Performance Prediction and its Application for Symbolic Regression Problems", INFORMATION SCIENCES, June 2019 Vol. 502, Num. 0, Page 418-433, June 2019,
- 13 Ghazaleh Khodabandehlou, Mohammad Mehdi Ebadzadeh, "Fuzzy neural network with support vector-based learning for classification and regression", SOFT COMPUTING, June 2019 Vol. 0, Num. 0, Page 1-16, June 2019,
- 14 Arash Abdi Hejrandoost, Mohammad Rahmati, Mohammad Mehdi Ebadzadeh, "Dictionary Learning Enhancement Framework: Learning a Non-Linear Mapping Model to Enhance discriminative Dictionary Learning Methods", NEUROCOMPUTING, May 2019 Vol. 357, Num. 6, Page 135-150, May 2019,
- 15 Samaneh Sadat Mousavi Astarabadi, Mohammad Mehdi Ebadzadeh, "A Decomposition Method for Symbolic Regression Problems", APPLIED SOFT COMPUTING, November 2017 Vol. 62, Num. 0, Page 1-18, November 2017,
- 16 Armin Salimi Badr, Mohammad Mehdi Ebadzadeh, Christian Darlot, "A system-level mathematical model of basal ganglia motor-circuit for kinematic planning of arm movements", COMPUTERS IN BIOLOGY AND MEDICINE, November 2017 Vol. 0, Num. 0, Page 1-18, November 2017,
- 17 Armin Salimi Badr, Mohammad Mehdi Ebadzadeh, Christian Darlot, "Fuzzy neuronal model of motor control inspired by cerebellar pathways to online and gradually learn inverse biomechanical functions in the presence of delay", BIOLOGICAL CYBERNETICS, October 2017 Vol. 0, Num. 0, Page 1-18, October 2017,
- 18 Armin Salimi Badr, Mohammad Mehdi Ebadzadeh, Christian Darlot, "A possible correlation between the basal ganglia motor function and the inverse kinematics calculation", JOURNAL OF COMPUTATIONAL NEUROSCIENCE, October 2017 Vol. 0, Num. 0, Page 1-24, October 2017,
- 19 Hamed Ganji Arjenaki, Shahram Khadivi , Mohammad Mehdi Ebadzadeh, "Support vector-based fuzzy classifier with adaptive kernel", NEURAL COMPUTING & APPLICATIONS, September 2017 Vol. 0, Num. 0, Page 0-0, September 2017,
- 20 Zahra Zojaji, Mohammad Mehdi Ebadzadeh, "An Improved Semantic Schema Modeling for Genetic Programming", SOFT COMPUTING, August 2017 Vol. 0, Num. 0, Page 0-0, August 2017,
- 21 Zahra Zojaji, Mohammad Mehdi Ebadzadeh, "Semantic Schema Modeling for Genetic Programming using Clustering of Building Blocks", APPLIED INTELLIGENCE, August 2017 Vol. 0, Num. 0, Page 0-0, August 2017,
- 22 Solmaz Gheisari, Mohammad Reza Meybodi, Mehdi Dehghan Takht Fooladi, Mohammad Mehdi Ebadzadeh, "Bayesian Network Structure Training based on a Game of Learning Automata", International Journal of Machine Learning and Cybernetics, August 2017 Vol. 8, Num. 4, Page 1093-1105, August 2017,
- 23 Mohammad Mehdi Ebadzadeh, Armin Salimi Badr, "IC-FNN: A Novel Fuzzy Neural Network with Interpretable Intuitive and Correlated-Contours Fuzzy Rules for Function Approximation", IEEE TRANSACTIONS ON FUZZY SYSTEMS, July 2017 Vol. 0, Num. 0, Page 0-0, July 2017,
- 24 Maryam Amirhaeri, Mohammad Mehdi Ebadzadeh, Gianluigi Folino, "Statistical Genetic Programming for Symbolic Regression", APPLIED SOFT COMPUTING, July 2017 Vol. 0, Num. 0, Page 0-0, July 2017,

- 25 Latifeh Pourmohammad Bagher Esfahani, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "Graphical model based continuous estimation of distribution algorithm", APPLIED SOFT COMPUTING, May 2017 Vol. 58, Num. 0, Page 388-400, May 2017,
- 26 Samareh , S.Hasan Khoshrou, Kourosh Shahriar, Mohammad Mehdi Ebadzadeh, Eslami, "Optimization of a nonlinear model for predicting the ground vibration using the combinational particle swarm optimization-genetic algorithm", JOURNAL OF AFRICAN EARTH SCIENCES, May 2017 Vol. 0, Num. 0, Page 36-45, May 2017,
- 27 Ali Jafari, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "Independent Base Vector Representation to Address Endmember Variability in Hyperspectral Unmixing", PHOTONIRVACHAK-JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, July 2016 Vol. 0, Num. 0, Page 1-13, July 2016,
- 28 Akhlaghi, Mehdi Dehghan Takht Fooladi, Mohammad Mehdi Ebadzadeh, "Imprecise-Query Processing in Wireless Sensor Networks: A Fuzzy-based Approach", INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING, May 2016 Vol. 22, Num. 1, Page 14-34, May 2016,
- 29 Behnaz Moradabadi, Mohammad Mehdi Ebadzadeh, Mohammad Reza Meybodi, "A new real-coded stochastic Bayesian optimization algorithm for continuous global optimization", GENETIC PROGRAMMING AND EVOLVABLE MACHINES, April 2016 Vol. 0, Num. 0, Page 1-23, April 2016,
- 30 Ali Jafari, Reza Safabakhsh, Mohammad Mehdi Ebadzadeh, "Endmember orthonormal mapping in hyperspectral mixture analysis to address endmember variability", Earth Science Informatics, March 2016 Vol. 0, Num. 0, Page 1-17, March 2016,
- 31 Solmaz Gheisari, Mohammad Reza Meybodi, Mehdi Dehghan Takht Fooladi, Mohammad Mehdi Ebadzadeh, "BNC-VLA: Bayesian Network Structure Learning Using a Team of Variable-Action Set Learning Automata", APPLIED INTELLIGENCE, February 2016 Vol. 45, Num. 1, Page 135-151, February 2016,
- 32 Babak Nasiri, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "History-Driven Particle Swarm Optimization in Dynamic and Uncertain Environments", NEUROCOMPUTING, January 2016 Vol. 172, Num. 0, Page 356-370, January 2016,
- 33 Gheisari, Mohammad Reza Meybodi, Mehdi Dehghan Takht Fooladi, Mohammad Mehdi Ebadzadeh, "Bayesian network structure training based on a game of learning automata", International Journal of Machine Learning and Cybernetics, January 2016 Vol. 0, Num. 0, Page 1-13, January 2016,
- 34 Hamed Malek, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "Dynamics of the HPA axis and inflammatory cytokines: Insights from mathematical modeling", COMPUTERS IN BIOLOGY AND MEDICINE, October 2015 Vol. 1, Num. 1, Page 1-1, October 2015,
- 35 Mitra Asadi Eydivand, Mohammad Mehdi Ebadzadeh, Mehran Solati, Christian Darlot, Noor Azuan Abu Osman, "Cerebellum-inspired neural network solution of the inverse kinematics problem", BIOLOGICAL CYBERNETICS, October 2015 Vol. 0, Num. 0, Page 1-14, October 2015,
- 36 Zahra Zojaji, Mohammad Mehdi Ebadzadeh, "Semantic schema theory for genetic programming", APPLIED INTELLIGENCE, July 2015 Vol. 0, Num. 0, Page 1-21, July 2015,
- 37 Mohammad Mehdi Ebadzadeh, Armin Salimi Badr, "CFNN: Correlated fuzzy neural network", NEUROCOMPUTING, January 2015 Vol. 148, Num. 1, Page 430-444, January 2015,
- 38 Maryam Amir Haeri, Mohammad Mehdi Ebadzadeh, Folino, "Improving GP generalization: a variance-based layered learning approach", GENETIC PROGRAMMING AND EVOLVABLE MACHINES, May 2014 Vol. 0, Num. 0, Page 0-0, May 2014,
- 39 Mohammad Haddan Zadeh Mofrad, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "A Learning Automata Approach to Cooperative Particle Swarm Optimizer", Journal of Information systems and Telecommunication, March 2014 Vol. 2, Num. 1, Page 1-14, March 2014,
- 40 Maryam Amir Haeri, Mohammad Mehdi Ebadzadeh, "Estimation of mutual information by the fuzzy histogram", FUZZY OPTIMIZATION AND DECISION MAKING, February 2014 Vol. 0, Num. 0, Page 1-12, February 2014,
- 41 Mohammad Haddan Zadeh Mofrad, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "Adaptive cooperative particle swarm optimizer", APPLIED INTELLIGENCE, September 2013 Vol. 39, Num. 2, Page 397-420, September 2013,

- 42 Zahra Zamanzadeh Darban, Mohammad Mehdi Ebadzadeh, "Anatomical Model of VOR Using Fuzzy Neural Network", *Procedia Engineering*, September 2012 Vol. 41, Num. 1, Page 561-566, September 2012,
- 43 Ahmad Nikababdi, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "A competitive clustering particle swarm optimizer for dynamic optimization problems", *Swarm Intelligence*, September 2012 Vol. 6, Num. 3, Page 177-206, September 2012,
- 44 Hesam Omranpour Bandpey, Mohammad Mehdi Ebadzadeh, Saeed Shiry Ghidary, "Dynamic Particle Swarm Optimization for Multimodal Function", *International Journal Of Artificial Intelligence*, March 2012 Vol. 1, Num. 1, Page 1-10, March 2012,
- 45 Cheheltani, Mohammad Mehdi Ebadzadeh, "Immune based fuzzy agent plays checkers game", *APPLIED SOFT COMPUTING*, March 2012 Vol. 0, Num. 0, Page 0-0, March 2012,
- 46 Hamed Malek, Mohammad Mehdi Ebadzadeh, Mohammad Rahmati, "Three new fuzzy neural networks learning algorithms based on clustering, training error and genetic algorithm", *APPLIED INTELLIGENCE*, December 2011 Vol. 35, Num. 3, Page 1-12, December 2011,
- 47 Javanmard, Mohammad Mehdi Ebadzadeh, "Data Clustering Using A New CGA(Chaotic-Generic Algorithm) Approach", *Journal of Advances in Computer Research*, March 2011 Vol. 3, Num. 3, Page 59-70, March 2011,
- 48 Ahmad Nikababdi, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "A Novel Particle Swarm Optimization Algorithm with Adaptive Inertia Weight", *APPLIED SOFT COMPUTING*, February 2011 Vol. 11, Num. 4, Page 3658-3670, February 2011,
- 49 Mohammad Mehdi Ebadzadeh, "Immune Based Approach to Find Mixed Nash Equilibrium in Normal Games", *Journal of Applied Sciences*, February 2010 Vol. 10, Num. 6, Page 0-0, February 2010,
- 50 Omid Khayat, Mohammad Mehdi Ebadzadeh, "A novel hybrid algorithm for creating self-organizing fuzzy neural networks", , December 2009 Vol. 0, Num. 73, Page 0-0, December 2009,
- 51 Hamid Izadinia, Fereshteh Sadeghi, Mohammad Mehdi Ebadzadeh, "A novel multi-epitopic immune network model hybridized with neural theory and fuzzy concept", , August 2009 Vol. 0, Num. 22, Page 0-0, August 2009,
- 52 Ehsan Khadangi, Mohammad Mehdi Ebadzadeh, "An expert system for predicting longitudinal dispersion coefficient in natural streams by using ANFIS", , May 2009 Vol. 0, Num. 36, Page 0-0, May 2009,
- 53 Rodolphe J.Gentili, Mohammad Mehdi Ebadzadeh, "Integration of Gravitational Torques in Cerebellar Pathways Allows for the Dynamic Inverse Computation of Vertical Pointing Movements of a Robot Arm", , April 2009 Vol. 0, Num. 4, Page 0-0, April 2009,
- 54 Seyednaser Nourashrafeddin, Ali Reza Vahdat, Mohammad Mehdi Ebadzadeh, "Automatic Design of Modular Neural Networks Using Genetic Programming", *Lecture Notes in Computer Science* , September 2007 Vol. 4668, Num. 1, Page 788-798, September 2007,
- 55 Mehrshad Khosraviani, Saadat Pourmofazari, Mohammad Mehdi Ebadzadeh, "Convergence Analysis of Quantum Genetic Algorithm", *International Journal of Computer Science and Applications*, August 2007 Vol. 1, Num. 2, Page 78-80, August 2007,
- 56 Mohammad Mehdi Ebadzadeh, "Computation of inverse functions in a model of cerebellar and reflex pathways allows to control a mobile mechanical segment", , April 2005 Vol. 0, Num. 133, Page 0-0, April 2005,
- 57 Mohammad Mehdi Ebadzadeh, "Cerebellar Learning of Bio-Mechanical Functions of Extra-Ocular Muscles:Modeling by Artificial Neural Networks", , December 2003 Vol. 0, Num. 122, Page 0-0, December 2003,

Conference Papers

Portal Records







- 1 Samaneh Sadat Mousavi Astarabadi, Mohammad Mehdi Ebadzadeh, "Avoiding Overfitting in Symbolic Regression Using the First Order Derivative of GP Trees ", *Genetic and Evolutionary Computation Conference*, July 2015

- 2 Mohammad Hasanzadeh, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "Adaptive Parameter Selection in Comprehensive Learning Particle Swarm Optimizer ", 2013 CSI International Symposium on Artificial Intelligence and Signal Processing (AISP), December 2013
- 3 Maryam Amir Haeri, Mohammad Mehdi Ebadzadeh, Gianluigi Folino, "Statistical Genetic Programming: The Role of Diversity ", 17th World Conference on Soft Computing in Industrial Applications, December 2012
- 4 Hamid Izadina, Mohammad Mehdi Ebadzadeh, "Adaptive Quantum-inspired Evolution Strategy ", IEEE Congress on Evolutionary Computation, June 2012
- 5 Farshad Einabadi, Mohammad Mehdi Ebadzadeh, "Multiscale Gradient Based Swarm Optimizer ", 16th CSI International Symposium on Artificial Intelligence and Signal Processing, May 2012
- 6 Mohammad Hassanzadeh, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "A Robust Heuristic Algorithm for Cooperative Particle Swarm Optimizer: A Learning Automata Approach ", 20th Iranian Conference on Electrical Engineering (ICEE 2012), May 2012
- 7 Moradi, Mohammad Mehdi Ebadzadeh, Farahi, "Clustering ", Data mining conference, December 2011
- 8 Ahmadi, Javadi, Khansefid, Atousa Assadi, Mohammad Mehdi Ebadzadeh, Timmerman, "Fuzzy decision tree learning for preoperative classification of adnexal masses ", International Conference on Health Informatics HEALTHINF 2011, December 2011
- 9 Sharifi, Moghadam, Bobillo, Mohammad Mehdi Ebadzadeh, "A fuzzy framework for Semantic Web Service description, matchmaking, ranking and selection ", Eighth International Conference on Fuzzy Systems and Knowledge Discovery FSKD 2011, July 2011
- 10 Shahamatnia Ehsan, Mohammad Mehdi Ebadzadeh, "Application of particle swarm optimization and snake model hybrid on medical imaging ", IEEE Third International Workshop On Computational Intelligence In Medical Imaging (CIMI), 2011, April 2011
- 11 Mehrdad Alizadeh, Mohammad Mehdi Ebadzadeh, "Kernel evolution for support vector classification ", IEEE Workshop on Evolving and Adaptive Intelligent Systems EAIS 2011, April 2011
- 12 Sude Tavasoli, Mahbubeh Yaqubi, Alireza Rezvanian, Mohammad Mehdi Ebadzadeh, "Enhancement of Ear Verification System Performance Using a New Hybrid Denoising Approach ", First International Conference on Integrated Intelligent Computing ICIC 2010, August 2010
- 13 Ali Etemadi, Mohammad Mehdi Ebadzadeh, Mehdi Etemadi, "Identifying the best attributes for Decision Tree Learning Algorithms, inspired by DNA concepts, in computer science ", 3rd International Conference on Advanced Computer Theory and Engineering ICACTE 2010, August 2010
- 14 Etemadi, Mohammad Mehdi Ebadzadeh, Mohamad Etemadi, "Finding the isomorphic graph with the use of algorithms based on DNA ", 3rd International Conference on Advanced Computer Theory and Engineering ICACTE 2010, August 2010
- 15 Fernando Bobillo, Ehsan Sharifi, Mohammad Mehdi Ebadzadeh, Reza Moghadam, "On Fuzzy Semantic Web Services ", IEEE International Conference on Fuzzy Systems WCCI 2010, July 2010
- 16 Sude Tavasoli, Alireza Rezvanian, Mohammad Mehdi Ebadzadeh, "A New Method for Impulse Noise Reduction from Digital Images Based on Adaptive Neuro-Fuzzy System and Fuzzy Wavelet Shrinkage ", 2nd International Conference on Computer Engineering and Technology ICCET 2010, April 2010
- 17 Rahman Arshizadeh, Mohammad Mehdi Ebadzadeh, "Fuzzy External Force for Snake ", 7th International Conference on Information Technology ITNG 2010, April 2010
- 18 Mohammad Mehdi Ebadzadeh, "Quantum-Inspired Evolution Strategy ", International Conference of Soft Computing and Pattern Recognition SOCPAR., December 2009
- 19 Mahnush Movahedi Meimandi, Mahdi Zamani, Hossein Pedram, Mohammad Mehdi Ebadzadeh, "A DDoS aware IDS model based on danger theory and mobile agents ", International Conference on Computational Intelligence and Security CIS, December 2009
- 20 Mohammad Mehdi Ebadzadeh, "Introduce a New Inertia Weight for Particle Swarm Optimization ", Fourth International Conference on Computer Sciences and Convergence Information Technology ICCIT., November 2009

- 21 Mohammad Mehdi Ebadzadeh, "Fast and parsimonious self-organizing fuzzy neural network ", 14th International CSI Computer Conference CSICC, October 2009
- 22 Hamid Izadinia, Fereshteh Sadeghi, Mohammad Mehdi Ebadzadeh, "Fuzzy generalized hough transform invariant to rotation and scale in noisy environment ", IEEE International Conference on Fuzzy Systems, August 2009
- 23 Hamid Izadinia, Fereshteh Sadeghi, Mohammad Mehdi Ebadzadeh, "A hybrid fuzzy neuro immune network based on multi epitope aooroach ", International Joint Conference on Neural Network, June 2009
- 24 Ehsan Khadangi, Gholam Hossein Riahy Dehkordi, Mohammad Mehdi Ebadzadeh, "Comparison of ANFIS and RBF models in daily stream flow forecasting ", The Second IEEE International Conference on Computer Control and Communication, February 2009
- 25 Ahmad Nikabadi, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "Evaluation the performance of DNPSO in dynamic environments ", IEEE International Conference on Systems, Man and Cybernetics SMC, October 2008
- 26 Hesam Omranpour Bandpey, Mohammad Mehdi Ebadzadeh, "Distributed coloring of the graph edges ", 7th IEEE International Conference on Cybernetic Intelligent Systems CIS, September 2008
- 27 Hesam Omranpour Bandpey, Mohammad Mehdi Ebadzadeh, "Distributed coloring of the graph edges ", 7th IEEE International Conference on Cybernetic Intelligent Systems CIS, September 2008
- 28 Farnaz Abtahi, Mohammad Reza Meybodi, Mohammad Mehdi Ebadzadeh, "Learning Automata-based Co-evolutionary Genetic Algorithms for Function Optimization ", 6th International Symposium on Intelligent Systems and Informatics SISY, September 2008
- 29 Ahmad Nikabadi, Mohammad Mehdi Ebadzadeh, Reza Safabakhsh, "DNPSO: a dynamic niching particle swarm optimization for multi model optimization ", IEEE Congress on Evolutionary Computation CEC, June 2008
- 30 Parham Moradi Dawlatabadi, Mohammad Ebrahim Shiri Ahmad Abady, Mohammad Mehdi Ebadzadeh, "Personalizing results of information retrieval systems using extended fuzzy concept networks ", 3rd International Conference on Information and Communication Technology, April 2008
- 31 Mohammad Mehdi Ebadzadeh, "Convergence analysis of quantum genetic algorithms ", International Conference on Advances in Computing ICAC, February 2008
- 32 Mehrshad Khosraviani, Saadat Pourmzofari, Mohammad Mehdi Ebadzadeh, "Convergence Analysis of Quantum-inspired Genetic Algorithm with the Population of a Single Individual ", Proceedings of the 10th annual conference on Genetic and evolutionary computation, February 2008
- 33 Soudeh Kasiri Bidhendi, Abbas Sarraf Shirazi, Narges Fotouhi Baraghoush, Mohammad Mehdi Ebadzadeh, "Material classification of hyperspectral images using unsupervised fuzzy clustering methods ", Third International IEEE Conference on Signal-Image Technologies and Internet-Based Systems SITIS, December 2007
- 34 Seyed Meisam Hosseini Sedehi, Mohammad Mehdi Ebadzadeh, Mohammad Reza Meybodi, "A new hybrid algorithm for noisy optimization (Learning automata + genetic algorithm) ", , November 2007
- 35 Parham Moradi Dawlatabadi, Mohammad Ebrahim Shiri Ahmad Abady, Mohammad Mehdi Ebadzadeh, "Personalized results of search engines using fuzzy concept networks ", IDMC 2007, November 2007
- 36 Seyednaser Nourashrafeddin, Alireza Vahdat, Mohammad Mehdi Ebadzadeh, "Automatic design of modular neural networks using genetic programming ", International Conference on Artificial Neural Network ICANN, September 2007
- 37 Ehsan Pazouki, Mohammad Mehdi Ebadzadeh, "Designing classifier for multiclass problem by genetic programming ", , August 2007
- 38 Amir Hossein Haj Ahmadi, Mohammad Mehdi Ebadzadeh, "Noise robust image segmentation ", , February 2007

Taught Courses

#	Course title	Description	Headlines	Date
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1	Special Topics in Deep Reinforcement Learning	Deep learning in the reinforcement learning		Spring 2022
2	Principles of Computational Intelligence	Introduction to computational Intelligence		Spring 2022
3	Evolutionary Computing	optimization methods using the evolutionary theory		Fall 2021
4	Principles of Computational Intelligence	Introduction to computational Intelligence		Fall 2021
5	Special Topics in Deep Reinforcement Learning	Deep learning in the reinforcement learning		Spring 2021
6	Principles of Computational Intelligence	Introduction to computational Intelligence		Spring 2021