

Curriculum Vitae
Reza Ebrahimpour, PhD
January 2022

Personal details

Name: Reza Ebrahimpour
Date of Birth: July 16, 1977
Marital Status: Married with two daughters
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Professor and Head, Faculty of Computer Engineering
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And

School of Cognitive Sciences
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Lab. Address: Computational-Cognitive Vision Lab (CCVL): <http://ebrahimpourlab.ir/>

Education

Ph.D. Cognitive Neuroscience, School of Cognitive Sciences, Institute for Studies on Theoretical Physics and Mathematics, Tehran, Iran.

Thesis title: View-independent Face Recognition with Mixture of Experts

Supervisor: Professor Ehsanollah Kabir

Co-supervisor: Professor Hossein Esteky

July 2007

M.S. Electrical Engineering - Biomedical Engineering, University of Tarbiat Modares, Iran.

Thesis: Biometry Technique Simulation for Analyzing the Eye Optical System

Supervisor: Associated Professor Ali Mahloojifar

Feb. 2002

B.S. Electrical Engineering - Electronics, Mazandaran University, Iran.

Aug. 1999.

Awards and Grants

- The outstanding Researcher, the title was awarded by the Ministry of Education (2021-2022)
- Distinguished Professor of Shahid Rajee University (2020-2021)
- Distinguished Professor of Shahid Rajee University (2018-2019)
- Prominent Professor appointed by Iran National Elites Foundation (2016-2017)
- Distinguished Professor of Shahid Rajee University (2014-2015)
- Distinguished Researcher of Shahid Rajee University (2011, 2012, 2013)
- Distinguished Professor of Shahid Rajee University (2009-2010-2011)
- Doctoral scholarship, IPM (2002–2007)

Employment

- Professor, Faculty of Computer Engineering, Shahid Rajae University, Tehran, Iran, April 2017 – Present.
- Associate Professor, Faculty of Computer Engineering, Shahid Rajae University, Tehran, Iran, July 2012 – April 2017.
- Assistant Professor, Faculty of Electrical and Computer Engineering, Shahid Rajae University, Tehran, Iran, April 2008 - July 2012.

Other Positions

- Member of Scientific Committee, School of Cognitive Science, IPM, Tehran, Iran, Sep 2020 – Present.
- Editor-in-Chief, Journal of Electrical and Computer Engineering Innovations, May 2020 – Present.
- Head of Faculty of Computer Engineering, Shahid Rajae University, Tehran, Iran, December 2014 – Present.
- Vice-Head, School of Cognitive Sciences (SCS), Institute for Studies in Theoretical Physics and Mathematics (IPM), Iran, February 2014 – September 2016.
- Head of Computer Engineering Group, Faculty of Electrical and Computer Engineering, Shahid Rajae University, Tehran, Iran, July 2013 – December 2014.
- Member of Scientific Committee, School of Cognitive Science, IPM, Tehran, Iran, Aug 2013 – Aug 2015.
- Head of Electronics Engineering Group, Faculty of Electrical and Computer Engineering, Shahid Rajae University, Tehran, Iran, May 2008 – November 2012.
- Non Resident Researcher, School of Cognitive Sciences (SCS), Institute for Studies in Theoretical Physics and Mathematics (IPM), Iran, August 2007 - Present.

Teaching Experience

Undergraduate Courses:

Principles of Computational Intelligence, Foundations of Computer Vision, Digital System Design, Electronics Circuits and Electric Circuits.

Graduate Courses:

Neural Networks, Machine Learning, Machine Vision, Computational Neuroscience.

Professional and Research Interests

1. Cognitive and Systems Neuroscience
2. Decision Making
3. Object Recognition
4. Artificial Intelligence
5. Ensemble Learning
6. Brain Machine Interface

Student Supervision

In summary, I have supervised/co-supervised:

- 9 finished Ph.D thesis, • 42 finished M.Sc. theses, • 3 running Ph.D. theses, 4 running M.Sc. theses

Invited Lectures and Presentations

- IPM School of Cognitive Sciences, Iran, January 9, 2019.
- The 9th Royan International Summer School on Brain & Cognitive Sciences, July 14-18, 2018.
- EEG Recording and Analysis Workshop, NBML, January 25-26, 2018.
- IPM School of Cognitive Sciences, Iran, January 15, 2017.
- Computational Vision & Memory Workshop, IPM School of Cognitive Sciences, Iran, Nov. 3-4, 2015.
- IPM School of Cognitive Sciences, Iran, July 7, 2013.
- International Conference on Neural Networks, Amsterdam, Netherland, September 28-30, 2010.
- IPM School of Cognitive Sciences, Iran, January 7, 2010.
- International Conference on Computer, Electrical, and Systems Science, and Engineering, Netherland, Sep. 23-25, 2009.
- IPM School of Cognitive Sciences, Iran, January 13, 2007.
- International workshop on Computer Vision, IPM School of Mathematics, Iran, April 23-24, 2004.

Publications

2369	25	81	44	2
Citations	h-Index	Article	Conference	Book

1. Amirhossein Farzmaahi, Fatemeh Fallah, Reza Rajimehr, Reza Ebrahimpour (Nov, 2021) Task-dependent neural representations of visual object categories, *European Journal of Neuroscience* 54 (7), 6445-6462 (JCR, 3.386, Q2).
2. Yaser Merrikhi, Mohammad Shams-Ahmar, Hamid Karimi-Rouzbahani, Kelsey Clark, Reza Ebrahimpour, Behrad Noudoost (Sep, 2021) Dissociable Contribution of Extrastriate Responses to Representational Enhancement of Gaze Targets, *Journal of Cognitive Neuroscience* 33 (10), 2167-2180 (JCR, 3.225, Q1).
3. Mohammad Hossein Karimi, Reza Ebrahimpour, Nasour Bagheri (Apr, 2021) A Recurrent Temporal Model for Semantic Levels Categorization Based on Human Visual System, *Computational Intelligence and Neuroscience* 2021 (JCR, 3.633, Q1).
4. Amin Havarani, Mussa Mahmoudi, Reza Ebrahimpour (Apr, 2021) Extraction of the structural mode shapes utilizing image processing method and data fusion, *Mechanical Systems and Signal Processing* 151, 107380 (JCR, 6.823, Q1).

5. Hamed Heidari-Gorji, Reza Ebrahimpour, Sajjad Zabbah (Mar, 2021) A temporal hierarchical feedforward model explains both the time and the accuracy of object recognition, *Scientific reports* 11 (1), 1-12 (JCR, 4.379, Q1).
6. Mohammad Hadi Modarres, Vahid Reza Khazaie, Mohammad Ghorbani, Amir Mohammad Ghoreyshi, Alireza AkhavanPour, Reza Ebrahimpour, Zahra Vahabi, Chris Kalafatis, Seyed-Mahdi Khaligh Razavi (Dec, 2020) Early diagnosis of Alzheimer's dementia with the artificial intelligence-based Integrated Cognitive Assessment: Neuropsychology/computerized neuropsychological assessment, *Alzheimer's & Dementia* 16 e042863 (JCR, 21.566, Q1).
7. Reza Eghdam, Reza Ebrahimpour, Iman Zabbah, Sajjad Zabbah (Dec, 2020) Inherent Importance of Early Visual Features in Attraction of Human Attention, *Computational Intelligence and Neuroscience* 2020 (JCR, 2.284, Q1).
8. E Samadi, A Badri, R Ebrahimpour (Nov, 2020) Decentralized multi-agent based energy management of microgrid using reinforcement learning, *International Journal of Electrical Power & Energy Systems* 122, 106211 (JCR, 3.58, Q1).
9. Amirhossein Farzmaehdi, Reza Ebrahimpour, Winrich Freiwald (Oct, 2020) Mechanisms of Facial Tuning in a Brain-inspired Deep Network, *Journal of Vision* 20 (11), 1463-1463 (JCR, 2.24, Q1).
10. Mohammad Hossein Karimi, Reza Ebrahimpour, Nasour Bagheri (Jan, 2020) Object Categorization at the Higher Levels Do with More Neurons than Finer Levels and Takes Faster, *IEEE ACCESS* 9, 32873-32881 (JCR, 3.74, Q1).
11. Karim Rajaei, Yalda Mohsenzadeh, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (May, 2019) Beyond core object recognition: Recurrent processes account for object recognition under occlusion, *Plos Computational Biology*, 15(5): e1007001 (JCR, 4.42, Q1).
12. Shirin Vafaei, Jamal Esmaily, Zahra Azizi, Reza Ebrahimpour (May, 2019) Confidence Representation of Perceptual Decision by EEG and Eye Data in a Random Dot Motion Task, *Neuroscience*, 406, 510-527 (JCR, 3.244, Q2).
13. Hamid Karimi-Rouzbahani, Ehsan Vahab, Reza Ebrahimpour, Mohammad-Bagher Menhaj (April, 2019) Spatiotemporal analysis of category and target-related information processing in the brain during object detection, *Behavioural brain research*, 362, 224-239 (JCR, 2.77, Q2).
14. Farzaneh Olianeshad, Sajjad Zabbah, Maryam Tohidi-Moghaddam, Reza Ebrahimpour (Jan., 2019) Residual Information of Previous Decision Affects Evidence Accumulation in Current Decision, *Frontiers in Behavioral Neuroscience* 13, 9 (JCR, 2.62, Q2).
15. Maryam Tohidi-Moghaddam, Sajjad Zabbah, Farzaneh Olianeshad, Reza Ebrahimpour (July, 2019) Sequence-dependent sensitivity explains the accuracy of decisions when cues are separated with a gap, *Attention, Perception, & Psychophysics*, Accepted (JCR, 1.79, Q3).
16. Karim Rajaei, Yalda Mohsenzadeh, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (May, 2019) Beyond core object recognition: Recurrent processes account for object recognition under occlusion, *Plos Computational Biology*, 15(5): e1007001 (JCR, 4.42, Q1).
17. Shirin Vafaei, Jamal Esmaily, Zahra Azizi, Reza Ebrahimpour (May, 2019) Confidence Representation of Perceptual Decision by EEG and Eye Data in a Random Dot Motion Task, *Neuroscience*, 406, 510-527 (JCR, 3.244, Q2).
18. Hamid Karimi-Rouzbahani, Ehsan Vahab, Reza Ebrahimpour, Mohammad-Bagher Menhaj (April, 2019) Spatiotemporal analysis of category and target-related information processing in the brain during object

detection, Behavioural brain research, 362, 224-239 (JCR, 2.77, Q2).

19. SAAA Arani, E Kabir, R Ebrahimpour (Feb., 2019) Handwritten Farsi word recognition using NN-based fusion of HMM classifiers with different types of features, International Journal of Image and Graphics 19 (01), 1950001 (Scopus).
20. Farzaneh Olianeshad, Sajjad Zabbah, Maryam Tohidi-Moghaddam, Reza Ebrahimpour (Jan., 2019) Residual Information of Previous Decision Affects Evidence Accumulation in Current Decision, Frontiers in Behavioral Neuroscience 13, 9 (JCR, 2.62, Q2).
21. Karim Rajaei, Yalda Mohsenzadeh, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (September, 2018) The essential role of recurrent processing during object recognition under occlusion, Journal of Vision 18 (10), 906-906 (JCR, 2.53, Q2).
22. SAAA Arani, E Kabir, R Ebrahimpour (September, 2018) Combining RtL and LtR HMMs to recognise handwritten Farsi words of small-and medium-sized vocabularies, IET Computer Vision, 12 (6), 925 – 932 (JCR, 1.64, Q3).
23. R Ebrahimpour, P Payedar Ardakani, M Tohidi Moghadam (March, 2018) The Role of Lighting, Window Views and Indoor Plants on Stress Reduction of Offices' Staffs by Psychophysics method, Iran Occupational Health 14 (6), 135-147 (Scopus, Q4).
24. F Fallah, R Ebrahimpour (January, 2018) The Time Course of Visual Processing on Different Levels of Object Categorization with the Same Stimulus: A Behavioral Study, Neuroscience Journal of Shefaye Khatam 6 (200250), 41-50 (ISC, 0.018).
25. Hamid Karimi-Rouzbahani, Nasour Bagheri, Reza Ebrahimpour (October, 2017) Invariant object recognition is a personalized selection of invariant features in humans, not simply explained by hierarchical feed-forward vision models, Scientific reports 7 (1), 14402 (JCR, 4.01, Q1).
26. S Moini, B Alizadeh, M Emad, R Ebrahimpour (October, 2017) A Resource-Limited Hardware Accelerator for Convolutional Neural Networks in Embedded Vision Applications, IEEE Transactions on Circuits and Systems II: Express Briefs, 64 (10), 1217-1221 (JCR, 3.25, Q2).
27. Hamid Karimi-Rouzbahani, Nasour Bagheri, Reza Ebrahimpour (May, 2017) Hard-wired feed-forward visual mechanisms of the brain compensate for affine variations in object recognition, Neuroscience, Volume 349, pp. 48–63 (JCR, 3.244, Q2).
28. Hamid Karimi-Rouzbahani, Nasour Bagheri, Reza Ebrahimpour (Mar, 2017) Average activity, but not variability, is the dominant factor in the representation of object categories in the brain, Neuroscience, Volume 346, pp. 14–28 (JCR, 3.244, Q2).
29. Fariba Abbasi, Reza Ebrahimpour, karim Rajaei (January, 2017) Computational Modeling of Figure-ground Segregation in Object Recognition Inspired by Human Visual System, Machine Vision and Image Processing 4 (100243), 1-16 (ISC).
30. F Olianeshad, S Zabbah, R Ebrahimpour (September, 2016) The Influence of Past Decision Information on Decision Making in the Present, The Neuroscience Journal of Shefaye Khatam, 4 (3), 1-8 (ISC, 0.018).
31. Amirhossein Farzmahdi, Karim Rajaei, Msoud Ghodrati, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (April, 2016) A specialized face-processing network consistent with the representational geometry of monkey face patches, Scientific Reports, 2016; 6: 25025, 1-17 (JCR, 4.01, Q1).
32. Abbasali Emamjomeh, Bahram Goliaei, Javad Zahiri and Reza Ebrahimpour (September, 2015) Prediction of Gene Co-Expression by Quantifying Heterogeneous Features, Current Bioinformatics 10 (4), 414-424 (JCR, 1.18, Q4).

33. Saeed reza Kheradpisheh, Abbas Nowzari-Dalini, Reza Ebrahimpour, Mohammad Ganjtabesh (January, 2014) An Evidence-Based Combining Classifier for Brain Signal Analysis, PLoS ONE, Vol 9, No. 1, e84341. doi:10.1371/journal.pone.0084341 (JCR, 2.77, Q1).
34. M.R. Pishgoo, M.R.N Avanaki, R. Ebrahimpour (Spring, 2014) The Application of Multi-Layer Artificial Neural Networks in Speckle Reduction (Methodology), Journal of Electrical and Computer Engineering Innovations, Vol. 2, No. 1, pp. 37-42 (ISC).
35. Saeed Olyae; Reza Ebrahimpour; Somayeh Esfandeh (Spring, 2014) Modeling of measurement error in refractive index determination of fuel cell using neural network and genetic algorithm, Iranian Journal of Hydrogen and Fuel Cell (IJHFC), Vol. 1, No. 2, pp. 95-104 (ISC, 0.118).
36. Masoud Ghodrati, Amirhossein Farzmaehdi, Karim Rajaei, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (July, 2014) Feedforward object-vision models only tolerate small image variations compared to human, Frontiers in Computational Neuroscience, Vol. 8, Article. 74, pp.1-17 (JCR, 2.32, Q1).
37. Sajjad Zabbah, Karim Rajaei, Amin Mirzaei, Reza Ebrahimpour, Seyed-Mahdi Khaligh-Razavi (August, 2014) The impact of the lateral geniculate nucleus and corticogeniculate interactions on efficient coding and higher-order visual object processing, Vision Research, Vol. 101, pp. 82-93 (JCR, 2.17, Q2).
38. Masoud Ghodrati, Karim Rajaei, Reza ebrahimpour (August, 2014) The Importance of Visual Features in Generic versus Specialized Object Recognition: A Computational Study, Frontiers in Computational Neuroscience, Vol. 8, Article. 78, pp.1-16 (JCR, 2.32, Q1).
39. Saeed Masoudnia, Reza Ebrahimpour (August, 2014) Mixture of Experts, A Literature Survey, Artificial Intelligence Review, Vol. 42, No. 2, pp. 275-293 (JCR, 5.09, Q1).
40. Davood Fateh, Ali Akbar Motie Birjandi, Reza Ebrahimpour (October, 2014) Enhancement of Damping of Power System Oscillations through UPFC Placement based on Residue Factor and Critical Modes, Tabriz Journal of Electrical Eng., Vol. 44, No. 3, pp. 23-31 (ISC, 0.696).
41. Saeed Reza Kheradpisheh, Fatemeh Sharifizadeh, Abbas Nowzari-Dalini, Mohammad Ganjtabesh, Reza Ebrahimpour (November, 2014) Mixture of feature specified experts, Information Fusion, Vol. 20, pp. 242–251 (JCR, 10.7, Q1).
42. Fathollah Gholami-Broujeni, Reza Ebrahimpour, Amir Hassan Amirifard (November, 2014) Using Artificial Neural Networks to Estimate the Return Sludge Rate, A Case Study of Torbat Heydarieh, Wastewater Treatment Plant, Vol. 25, pp. 99-107 (ISC, 0.055).
43. Javad Zahiri, Morteza Mohammad-Noori, Reza Ebrahimpour, Samaneh Saadat, Joseph H. Bozorgmehr, Tatyana Goldberg, Ali Masoudi-Nejad (December, 2014) LocFuse: Human protein–protein interaction prediction via classifier fusion using protein localization information, Genomics, Vol. 104, No. 6, pp. 496–503 (JCR, 3.16, Q2).
44. Abbasali Emamjomeh, Bahram Goliaei, Javad Zahiri and Reza Ebrahimpour (December, 2014) Predicting protein–protein interactions between human and hepatitis C virus via an ensemble learning method, Molecular BioSystems, Vol. 10, p p. 3147-3154 (JCR, 2.85, Q3).
45. Reza Ebrahimpour, Seyed Ali Asghar Abbaszadeh Arani, Saeed Masoudnia (January, 2013) Improving combination method of NCL experts using gating network, Neural Computing and Applications, Vol. 22, pp. 95-101 (JCR, 4.66, Q1).
46. Mina Mirnaziri, Masoomah Rahimi, Sepidehsadat Alavikakhaki, Reza Ebrahimpour (February, 2013) Using Combination of μ , β and γ Bands in Classification of EEG Signals, Basic and Clinical Neuroscience, Vol. 4, No. 1, pp. 76-87 (Scopus, 0.429, Q3).

47. Nasour Bagheri, Reza Ebrahimpour, Navid Ghaedi (March, 2013) Differential fault analysis on PRINTcipher, IET Networks, Vol. 2, No. 1, pp.30-36 (Scopus, 0.369, Q2).
48. Amin Mirzaie, Seyed Mahdi Khaligh Razavi, Masoud Ghodrati, Sajjad Zabbah, Reza Ebrahimpour (April, 2013) Predicting the Human Reaction Time Based on Natural Image Statistics in a RapidCategorization Task, Vision Research, Vol. 81, pp. 36–44 (JCR, 2.17, Q2).
49. Mehrdad Javadi, Seyed Ali Asghar Abbaszadeh Arani, Atena Sajedin, Reza Ebrahimpour (May, 2013) Classification of ECG arrhythmia by a modular neural network based on Mixture of Experts and Negatively Correlated Learning, Biomedical Signal Processing and Control, Vol. 8, pp. 289– 296 (JCR, 2.94, Q2).
50. Reza Ebrahimpour, Naser Sadeghnejad, Seyed Ali Asghar Abbaszadeh Arani and Nima Mohammadi (May, 2013) Boost-wise pre-loaded mixture of experts for classification tasks, Neural Computing and Applications, Vol. 22, No. 1, pp 365-377 (JCR, 4.66, Q1).
51. Nasour Bagheri, Reza Ebrahimpour, Navid Ghaedi (September, 2013) New differential fault analysis on PRESENT, EURASIP Journal on Advances in Signal Processing, Vol. 145, pp. 1-12 (JCR, 1.74, Q3).
52. Reza Ebrahimpour, Naser Sadeghnejad, Atena Sajedin, Nima Mohammadi (September, 2013) Electrocardiogram beat classification via coupled boosting by filtering and preloaded mixture of experts, Neural Computing and Applications, Volume 23, Issue 3-4, pp 1169-1178 (JCR, 4.66, Q1).
53. Javad Zahiri, Omid Yaghoubi, Morteza Mohammad-Noori, Reza Ebrahimpour, Ali Masoudi-Nejad (October, 2013) Protein-Protein Interaction Prediction from PSSM Based Evolutionary Information, Genomics, Vol. 102, No. 4, pp. 237–242 (JCR, 3.16, Q2).
54. Amir Ahangi, Mehdi Karamnejad, Nima Mohammadi, Reza Ebrahimpour, Nasoor Bagheri (October, 2013) Multiple classifier system for EEG signal classification with application to brain–computer interfaces, Neural Computing and Applications, Vol. 23, No. 5, pp. 1319-1327 (JCR, 4.66, Q1).
55. Saeed Reza Kheradpishe, Fatemeh Behjati-Ardakani, Reza Ebrahimpour (December, 2013) Combining classifiers using nearest decision prototypes, Applied Soft Computing, Vol. 13, No. 12, pp. 4570-4578 (JCR, 4.87, Q1).
56. Reza Ebrahimpour, Reza Rasoolinezhad, Zeinab Hajiabolhasani, Mehdi Ebrahimi (January, 2012) Vanishing point detection in corridors: using hough transform and K-means clustering, IET Computer Vision, Vol.6, No. 1, pp. 40-51 (JCR, 1.64, Q3).
57. Mohammad Reza Homaeinezhad, Seyed Abbas Atyabi, Ehsan Tavakkoli, Hamid Najjaran Toosi, Ali Ghaffari, Reza Ebrahimpour (February, 2012) ECG arrhythmia recognition via a neuro-SVM–KNN hybrid classifier with virtual QRS image-based geometrical features, Expert Systems with Applications, Vol. 39, No. 2, pp. 2047-2058 (JCR, 4.29, Q1).
58. Mahdi Tabassian, Reza Ghaderi, Reza Ebrahimpour (February, 2012) Combination of multiple diverse classifiers using belief functions for handling data with imperfect labels, Expert Systems with Applications, Vol. 39, No. 2, pp. 1698-1707 (JCR, 4.29, Q1).
59. Masoud Ghodrati, Seyed-Mahdi Khaligh-Razavi, Reza Ebrahimpour, Karim Rajaei, Mohammad Pooyan (February 2012) How Can Selection of Biologically Inspired Features Improve the Performance of a Robust Object Recognition Model?, PLoS ONE, 7: e32357. doi:10.1371/journal.pone.0032357 (JCR, 2.77, Q1).
60. Mahdi Tabassian, Reza Ghaderi, Reza Ebrahimpour (March, 2012) Combining complementary information sources in the dempster-shafer framework for solving classification problems with imperfect labels, Knowledge-Based Systems, Vol. 27, pp. 92-102 (JCR, 5.10, Q1).

61. Karim Rajaei, Seyed-Mahdi Khaligh-Razavi, Masoud Ghodrati, Reza Ebrahimpour, Mohammad Ebrahim Shiri Ahmad Abadi (June, 2012) A Stable Biologically Motivated Learning Mechanism for Visual Feature Extraction to Handle Facial Categorization. *PLoS ONE* 7(6): e38478. doi:10.1371/journal.pone.0038478 (JCR, 2.77, Q1).
62. Reza Ebrahimpour, Kioumars Babakhani, Seyed Ali Asghar Abbaszadeh Arani, Saeed Masoudnia (June, 2012) Epileptic seizure detection using a neural network ensemble method and wavelet transform, *Neural Network World*, Vol. 22 , No.3 , pp. 291-310 (JCR, 0.95, Q4).
63. Saeed Masoudnia, Reza Ebrahimpour, Seyed Ali Asghar Abbaszadeh Arrani (August, 2012) Incorporation of a Regularization Term to Control Negative Correlation in Mixture of Experts, *Neural Processing Letters*, Vol. 36, No. 1, pp. 31-47 (JCR, 2.59, Q2).
64. Saeed Masoudnia, Reza Ebrahimpour, Seyed Ali Asghar Abbaszadeh Arrani (November, 2012) Combining features of negative correlation learning with mixture of experts in proposed ensemble methods, *Applied Soft Computing*, Vol. 12, No. 11, pp. 3539-3551 (JCR, 4.87, Q1).
65. Reza Ebrahimpour, Ehsanollah Kabir, Mohammadreza Yousefi (March, 2011) Improving Mixture of Experts for view-independent Face Recognition Using Teacher-Directed learning, *Machine Vision and Applications*, Vol. 22, No. 2, pp. 421-432 (JCR, 1.87, Q2).
66. Mahdi Tabassian, Reza Ghaderi, Reza Ebrahimpour (May, 2011) Knitted fabric defect classification for uncertain labels based on Dempster-Shafer theory of evidence, *Expert Systems with Applications*, Vol. 38, No. 5, pp. 5259-5267 (JCR, 4.29, Q1).
67. Reza Ebrahimpour, Hossein Nikoo, Saeed Masoudnia, Mohammad Reza Yousefi, Mohammad Sajjad Ghaemi (July-September, 2011) Mixture of MLP Experts for trend forecasting of time-series: A case study of Tehran Stock Exchange, *International journal of Forecasting*, Volume 27, Issue 3, July-September 2011, pp. 804-816 (JCR, 3.38, Q1).
68. Reza Ebrahimpour, Ahmad Jahani, Ali Amiri, Masoom Nazari (June-July, 2011) Expression-Independent Face Recognition Using Biologically Inspired Features, *Indian Journal of Computer Science and Engineering (IJCSSE)*, Vol. 2 No. 3, pp. 492-499 (Scopus).
69. Mohammad Reza Homaeinezhad, Ehsan Tavakkoli, Seyed Abbas Atyabi, Ali Ghaffari, Reza Ebrahimpour (June, 2011) Synthesis of multiple-type classification algorithms for robust heart rhythm type recognition: Neuro-svm-pnn learning machine with virtual QRS image-based geometrical features, *Scientia Iranica*, Vol. 18, No. 3, pp. 423-431 (JCR, 0.718, Q4).
70. Reza Ebrahimpour, Mona Amini, Fateme Sharifizadehi (July, 2011) Farsi Handwritten Recognition Using Combining Neural Networks Based on Stacked Generalization, *International Journal on Electrical Engineering and Informatics - Volume 3, Number 2*, pp. 146-164 (Scopus, 0.137, Q3).
71. Mehrdad Javadi, Reza Ebrahimpour, Atena Sajedin, Soheil Faridi, Shokoufeh Zakernejad (October, 2011) Improving ECG Classification Accuracy Using an Ensemble of Neural Network Modules. *PLoS ONE*, Vol. 6, No. 10, e24386. doi:10.1371/journal.pone.0024386 (JCR, 2.77, Q2).
72. Mohammad masoud Javidi, Reza Ebrahimpour, Fatemeh Sharifizadeh (November, 2011) Persian handwritten digits recognition: A divide and conquer approach based on mixture of MLP experts, *International Journal of the Physical Sciences* Vol. 6(30), pp. 7007 – 7015 (Scopus).
73. Reza Ebrahimpour , Somayeh Sarhangi, Fatemeh Sharifizadeh (December, 2011) Mixture of Experts for Persian handwritten word recognition, *Iranian Journal of Electrical & Electronic Engineering*, Vol. 7, No. 4, pp. 217-224 (Scopus, 0.137, Q4).

74. Saeed Olyae, Reza Ebrahimpour and Samaneh Hamed (March-April, 2010) Modeling and Compensation of Periodic Nonlinearity in Two-mode Interferometer Using Neural Networks, IETE Journal of Research, IETE Journal of Research, Vol. 56, No. 2, pp. 102-110 (JCR, 0.793, Q4).
75. Reza Ebrahimpour, Nina Taheri Makhsoos, Alireza Hajiany (Winter, 2009) Face Recognition by Combining Neural Network based on Mixture of Experts, Journal of Technology and Education, Vol. 3, No. 2, Winter 2009, pp. 125-136 (ISC, 0.179, Q2).
76. Reza Ebrahimpour, Ehsanollah Kabir, Hossein Esteky, Mohammad Reza Yousefi (January, 2008) View-independent Face Recognition with Mixture of Experts, Neurocomputing, Vol. 71, pp. 1103-1107 (JCR, 4.07, Q1).
77. Reza Ebrahimpour, Ehsanollah Kabir, Mohammad Reza Yousefi (March, 2008) Teacher-Directed Learning in View-independent Face Recognition with Mixture of Experts Using Single-view Eigenspaces, Journal of Franklin Institute- Engineering and Applied Mathematics, Vol. 345, pp. 87-101 (JCR, 3.65, Q1).
78. Reza Ebrahimpour, Ehsanollah Kabir, Mohammad Reza Yousefi (August, 2008) Teacher-Directed Learning in View-independent Face Recognition with Mixture of Experts Using Overlapping Eigenspaces, Computer Vision and Image Understanding, Vol. 111, pp. 195-206 (JCR, 2.64, Q2).
79. Reza Ebrahimpour, Ehsanollah Kabir, Hossein Esteky, Mohammad Reza Yousefi (October, 2008) A Mixture of Multilayer Perceptron Experts Network For Modeling Face/Nonface Recognition in Cortical Face Processing Regions, Intelligent Automation and Soft Computing, Vol. 14, No. 2, pp. 145-156 (JCR, 0.79, Q4).
80. Reza Ebrahimpour, Ehsanollah Kabir, Mohammad Reza Yousefi (August, 2007) Face Detection Using Mixture of MLP Experts, Neural Processing Letters, Vol. 26, No. 1, pp. 69-82 (JCR, 2.59, Q2).
81. Mohammad Reza Nasiri, Reza Ebrahimpour (November, 2007) In-service video quality measurements in optical fiber links based on neural network, Neural Network World, Vol. 16, No. 5, pp. 457-468 (JCR, 0.95, Q4).

Conferences:

1. Heidari-Gorji H, Zabbah S, Akhavan M, Bagheri N, Ebrahimpour R (September, 2015) STDP based HMAX behavior in response to homogeneous and heterogeneous categories. Bernstein Conference 2015, doi: 10.12751/nncn.bc2015.0152.
2. Mohammad Shams-Ahmar, Hamid Karimi, M. Parsa, Reza Ebrahimpour and Behrad Noudoost (October, 2015) Contributions of response magnitude and variability to the presaccadic enhancement of visual representations, Washington, DC: Society for Neuroscience, 2015.
3. Reza Khosravi Farsani, Reza Ebrahimpour (June-July, 2014) Capacity theorems for the Cognitive Radio Channel with confidential messages, In Proceedings of IEEE International Symposium on Information Theory (ISIT), June 29 - July 4, 2014, Honolulu, Hawai'i, USA.
4. Saeed Olyae, Reza Ebrahimpour, Somayeh Esfandeh (May, 2013) A hybrid genetic algorithm-neural network for modeling of periodic nonlinearity in three-longitudinal-mode laser heterodyne interferometer, In Proceedings of 21th Iranian Conference on Electrical Engineering (ICEE 2013), 14-16 May 2013, Ferdowsi University of Mashhad, Iran.

5. Mohammad Mahdi Karimi, Alireza Fatehi, Reza Ebrahimpour, Ali Shamsaddinlou (June, 2013) Optimized real-time soft analyzer for chemical process using artificial intelligence, In Proceedings of 9th IEEE Asian Control Conference (ACC2013), 23-26 June, Istanbul, Turkey.
6. Bahare Haghghi Zidehi, Bahman Jabbarian Amiri, Reza Ebrahimpour (October, 2013) Investigate the Land Use/Cover Changes of Lahidjan County based on Remote Sensing Technique and IDRISI Software, In Proceedings of the 3rd International Conference on Environmental Planning and Management (3rdICEPM), October 29-30, Tehran, Iran.
7. Bahare Haghghi Zidehi, Bahman Jabbarian Amiri, Reza Ebrahimpour (October, 2013) Predict Local Growth of Lahidjan County based on Remote Sensing Technique and Cellular Automata- Markov Approach, In Proceedings of the 3rd International Conference on Environmental Planning and Management (3rdICEPM), October 29-30, Tehran, Iran
8. Reza Ebrahimpour, Kiumars Babakhani, Morteza Mohammad-Noori (May, 2012) EEG-based motor imagery classification using wavelet coefficients and ensemble classifiers, In Proceedings of 16th IEEE International Conference of Artificial Intelligence and Signal Processing (AISP), 2-3 May 2012, Shiraz Iran.
9. Athena Sajedin, Reza Ebrahimpour, Tahmoures Younesi Garousi (September, 2011) Electrocardiogram Beat Classification Using Classifier Fusion Based on Decision Templates, IEEE conference on Cybernetic Intelligent Systems, September 1-2, London, UK, pp. 7-12.
10. Reza Ebrahimpour, Naser Sadeghnejad, Seyed Ali Asghar Abbaszadeh Arani and Ali Amiri (October, 2011) Low Resolution Face Recognition Using Mixture of Experts with Different Representations, In Proceedings of IEEE International Conference of Soft Computing and Pattern Recognition (SoCPaR 2011), 14-16 October 2011, Dalian, China, pp. 475-480.
11. Afshin Kazerooni, Reza Ebrahimpour and Morteza Saedi Dezaki (2011, October) Single Machine Scheduling Problem of Minimizing Maximum Earliness and Number of Tardy Jobs Using a Genetic Algorithm, In Proceedings of IEEE International Conference of Soft Computing and Pattern Recognition (SoCPaR 2011), 14-16 October 2011, Dalian, China, pp. 402-406.
12. Salman Khaleghian, Nina Taheri Makhsoos, Reza Ebrahimpour, Alireza Hajiany (January, 2010) View-Independent Face Recognition with RBF Gating in Mixture of Experts Method by Teacher-Directed Learning, International Conference on Technological Developments in Education and Automation, pp. 413-418, Springer Netherlands (DOI: 10.1007/978-90-481-3656-8_75).
13. Mahmoud Rahat, Saeid Shiry, Reza Ebrahimpour (February, 2010) Improving the Boosting methods using linear classifiers for face detection in stereo images, In Proceedings of the 15th CSI Computer Conference (CSICC'2010), Tehran, Iran, February 21-23 (In Persian).
14. Reza Ebrahimpour, Alireza Esmkhani, Mohammad Shams Esfand Abadi (May, 2010) Persian Digit Hand recognition with Mixture of Experts, in proceedings of the 18th Iranian Conference on Electrical Engineering (ICEE 2010), Isfahan, Iran, May 11-13, pp. 2248-2253 (in Persian).
15. Mohammad Nahvi, kourosh kiani, Reza Ebrahimpour (May, 2010) Improving the Gradient feature extraction method Based on DCT for Persian handwritten digit recognition, in proceedings of the 18th Iranian Conference on Electrical Engineering (ICEE 2010), Isfahan, Iran, May 11-13, pp. 3067- 3071 (in Persian).
16. Mohammad Reza Nasiri Avanaki, Ali Hojjatoleslami, Reza Ebrahimpour, Hamid Sarmadi, Adrian Podoleanu (May, 2010) Genetic Algorithm for optimization of optical systems, in proceedings of the 18th Iranian Conference on Electrical Engineering (ICEE 2010), Isfahan, Iran, May 11-13, pp. 172- 176.
17. Saeed Masoudnia, Mohammad Rostami, Mahdi Tabassian, Atena Sajedin, Reza Ebrahimpour (July, 2010) Evidence-Based Mixture of MLP-Experts, in proceedings of the International Joint Conference on neural networks, Barcelona, Spain, July 18-23, pp. 1-7 (DOI: 10.1109/IJCNN.2010.5596928).

18. Reza Ebrahimpour, Mohammad Shams Esfand Abadi, Masoom Nazari, Ali Amiri, Mehdi Azizi, Mahmoud Rahat (December, 2010) Single Training Sample Face Recognition Using Fusion of Gabor responses, In Proceedings of IEEE International Conference of Soft Computing and Pattern Recognition (SoCPaR 2010), 7-10 December 2010, Cergy Pontoise / Paris, France, pp. 241-246.
19. Reza Ebrahimpour, Naser Sadeghnejad, Ali Amiri and Abolfazl Moshtagh (December, 2010) Low Resolution Face Recognition Using Combination of Diverse Classifiers, In Proceedings of IEEE International Conference of Soft Computing and Pattern Recognition (SoCPaR 2010), 7-10 December 2010, Cergy Pontoise / Paris, France, pp. 265-268.
20. Arash Iranzad, Saeed Masoudnia, Fatemeh Cheraghchi, Abbas Nowzari, Reza Ebrahimpour (December, 2010) Using NCL an Effective Way to Improve Combination Methods of Neural Classifiers, In Proceedings of IEEE International Conference of Soft Computing and Pattern Recognition (SoCPaR 2010), 7-10 December 2010, Cergy Pontoise / Paris, France, pp. 309-313.
21. Reza Yousefian, Fahimeh Ghorbanipour, Reza Ebrahimpour (February, 2009) Compression, Crypt and steganography based on Artificial Neural Networks, 2nd National conference on Computer/ Electrical and IT Engineering (CEI'09), SAMA, Hamedan, Feb. 19, 2009.
22. Samaneh Hamedi, Saeed Olyaei, Reza Ebrahimpour (May, 2009) Modeling of Nonlinearity in Nanometrology Interferometric System using Neural Networks Ensemble, The 1st National Conference on Optics & Laser Engineering of IRAN, Shahin shahr, Isfahan, Iran, May 20-21, pp. 262-267.
23. Saeed Olyaei, Reza Ebrahimpour, Samaneh Hamedi and Farzad M. Jafarlou (August, 2009) Modeling of the nonlinearity in nano-displacement measuring system based on the neural network approaches, Photonics and Optoelectronics Meetings (POEM), Proceedings of SPIE, Vol. 7515, pp. 75150H-1-8, Wuhan, China, August 8-10, 2009.
24. Zeinab Farhoudi, Reza Ebrahimpour (December, 2009) Using Biologically Inspired Visual Features and Mixture of Experts for Face/Nonface Recognition, 16th International Conference on Neural Information Processing Bangkok, Thailand, December 1-5, LNCS, Vol. 5864, pp. 439-448.
25. Alireza Hajiany, Nina Taheri Makhsoos, Reza Ebrahimpour (December, 2009) View-Independent Face Recognition with Biological Features based on Mixture of Experts, In Proc. Of the Ninth International Conference on Intelligent Systems Design and Applications (ISDA09), pp.1425-1429.
26. Mohammad Nahvi, Mehdi Rafiei, Reza Ebrahimpour, Ehsanollah Kabir (May, 2008) Combining Binary Classifiers for Farsi Handwritten digit recognition, In Proceedings of the ICEE 2008, Tehran, Iran, May 13-15, pp. 203-207.
27. Nina Taheri Makhsoos, Alireza Hajiany, Reza Ebrahimpour Ghodrat Sepidnam (July, 2008) A Modified Mixture of MLP Experts for face recognition", In Proceedings of International Conference on Image Processing, Computer Vision, & Pattern Recognition(IPCV08), Las Vegas Nevada, USA, July 14-17, pp. 740-745.
28. Nina Taheri Makhsoos, Alireza Hajiany, Reza Ebrahimpour, Ghodrat Sepidnam (September, 2008) A Modified Mixture of FMLP Experts for face recognition", Middlesex University, London, UK, In Proceedings of IEEE International Conference on Cybernetic Intelligent Systems(CIS08), Middlesex University, London, United Kingdom, September 9-10, pp. 1-6, Digital Object Identifier 10.1109/UKRICIS.2008.4798936.
29. Nima Hatami, Reza Ebrahimpour, Reza Ghaderi (September, 2008) ECOC-Based Training of Neural Networks for Face Recognition, In Proceedings of the 2008 IEEE International Conferences on Cybernetics & Intelligent Systems (CIS) and Robotics, Automation & Mechatronics (RAM) (CIS-RAM 2008), Chengdu, China, September 22 - 24, pp. 450-454.
30. Nima Hatami, Reza Ebrahimpour, Reza Ghaderi (November, 2007) Error Correcting Output Codes with Weighted Minimum Distance Decoding by Genetic Algorithm, In Proceedings of the 3th International conference

on Information and Knowledge Technology (IKT07), Ferdowsi University of Mashad, Mashad, Iran, Nov. 27-29.

31. Reza Ebrahimpour, Seyed zeinolabedin Moussavi, Saeed Reza Ehteram (Jun, 2006) Multiple Binary Classifier Fusion (MBCF) in Application of Satimage Database , In: Proceedings of the 15th IASTED International Conference on Applied Simulation and Modelling, Calgary, CA, ACTA Press, Jun 26-28, pp. 435-439. (ISSN 1021-8181)
32. Reza Ebrahimpour, Mohammad Reza Yousefi, Hossein Esteky and Ehsanollah Kabir (January, 2006) Object Recognition: Computational Theories and Models, In Proceedings of the 11th CSI Computer Conference (CSICC'2006), IPM School of Computer Science, Tehran, Iran, January 24-26, pp. 415-422.
33. Nima Hatami, Reza Ebrahimpour (September, 2006) Using combining classifiers for complex problems, In Proceedings of the 9th SCEE06, University of Tehran , Tehran, Iran, pp. 1-6.
34. Seyed Hassan Nabavi Karizi, Reza Ebrahimpour and Ehsanollah Kabir (February, 2005) Usage of combining classifiers in Farsi Handwritten digit recognition, 3rd Iranian Conference on Machine Vision and Image Processing (MVIP2005), University of Tehran , Tehran, Iran, 22-23 Feb., 2005, pp. 115-119.
35. Reza Ebrahimpour, , Reza Ghaderi, Mohammad Shams Esfand Abadi, Seyed Zeinolabedin Moussavi (December, 2005) A Mixture of Binary Classifiers for Face recognition based on a Divide and Conquer Approach, In Proceedings of the International Conference on Intelligent Systems 2005 (ICIS 2005) Kuala Lumpur, 1-3 December 2005.
36. Gholam Reza Zandesh, Reza Ebrahimpour, Behnaz Bakherad and Negin Karimi (August, 2005) Optimization the management of electrical power transmission network by neural networks to decrease the corona loss, based on ICT, Transmission and Distribution Conference and Exhibition: Asia and Pacific, 2005 IEEE/PES, August 15-17, China.
37. Mohammad Shams Esfand Abadi, Ali Mahloojifar, Ehsanollah Kabir and Reza Ebrahimpour (May, 2005) Image restoration using two dimensional fast Euclidean direction searches based adaptive algorithm, In Proceedings of the Fourth IEEE International Workshop on Soft Computing as Transdisciplinary Science and Technology, May 25-27, 2005, Muroran, Japan, Advances in Soft Computing Series, Springer Verlag, pp. 182-191. (ISBN: 3540250557)
38. Bardia Mohabbati, Reza Ebrahimpour, Shoreh Kasaei and Ehsanollah Kabir (April, 2004) Neural Networks Ensembles for Face Recognition, International workshop on Computer Vision, IPM, Tehran, Iran, April 26-30.
39. Masoud Mazloom, Reza Ebrahimpour and Caro Lucas (November, 2004) Face Recognition: An Ensemble Neural Networks With CO-Evolutionary Algorithm Approach, In the 2nd IEEE-GCC Conference, Bahrain, Nov. 2004, pp. 523-530.
40. Mohammad Shams Esfand Abadi , Ehsanollah Kabir, Ali Mahloojifar and Reza Ebrahimpour (November, 2004) Adaptive Channel Equalization Using Fast Euclidean Direction Search Algorithm, In the 2nd IEEE-GCC Conference, Bahrain, Nov. 2004, pp. 656-661.
41. Reza Ebrahimpour and Ali Mahloojifar (Feb, 2003) Analyzing variation of the parameters in Biometry System, 2nd Iranian Conference on Machine Vision and Image Processing, K.N. Toosi University of Technology, Tehran, Iran, pp. 291-299.
42. Reza Ebrahimpour, Mohammad Reza daliri and Behzad Moshiri (Jun, 2003) Feature Fusion Approach for Face Recognition using DCT and SVD Methods, The 5th Irano-Armenian Workshop on Intelligent Information Technologies in Data Analysis and Control Nor-Amberd, Armenia, 28 Jun- 6 July 2003.
43. Ali Mahloojifar and Reza Ebrahimpour (May, 2002) Implementation of Gullestrand model for measurement simulation of eye optical distance by ultrasound, The fifth Iranian Congress of Medical Physics, Tehran, Iran, May 19-20, 2002, pp. 97-98.

44. Ali Mahloojifar, Reza Ebrahimpour and Mohammad Hossein Miran Baygi (December, 2002) BIOSIM: A Training Simulator for Biometry”, *European Journal of Ultrasound*, vol: 15, pp. 44. (Abstracts from BMUS—13th EUROSON Congress 33rd Annual Scientific Meeting, 11–14 December 2001, EICC, Edinburgh, Scotland).