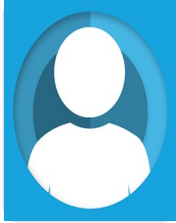




Amirkabir University of Technology
(Tehran Polytechnic)



MOHAMMAD HASSAN MORADI

Professor
Department of Biomedical Engineering
Bioelectric

Email:
mhmoradi@aut.ac.ir

Phone:

h-index (Scopus):
20

Citations (Scopus):
2069

Supervised MSc Theses

#	Thesis title	By	Date
1	EEG-based Evaluation of the Effectiveness of Virtual Reality Exposure Therapy on Improvement of Contamination Obsessive-Compulsive Disorder	Ehsan Imani Far & Mohammad Hassan Moradi	August 2021
2	English title : eeg signal analysis for the study of social joint attention in Autism Spectrum Disorders	Mahdie Ghane & Mohammad Hassan Moradi	August 2021
3	EEG signal analysis in video background advertisements and virtual shopping task and its application in neuromarketing	Mahdi Taghaddossi & Mohammad Hassan Moradi	May 2021
4	Improvement of beat-to-beat systolic and diastolic blood pressure estimation based on ECG and PPG signals	Jamal Esmaelpour & Mohammad Hassan Moradi	February 2020
5	Disease Phenotype Prediction Based on Genome Coded SNP data Considering Epistasis	Seyedeh Rezwan Hosseini & Mohammad Hassan Moradi	February 2020
6	Automatic Sleep Stage classification based on EEG ,accelerometer and PULSE oximeter signals on Dreem Headband	Shahla Bakian Dogaheh & Mohammad Hassan Moradi	February 2020
7	EEG signal analysis in background advertisement of tv shows in neuromarketing field	Zahra Izadi & Mohammad Hassan Moradi	March 2019
8	Brain ERP signal analysis in background advertisement of TV shows in neuromarketing field"	Seyed Mohammad Ali Mousavi & Mohammad Hassan Moradi	February 2019
9	Quantification of Depression Disorder Using EEG Signal Based on Fuzzy Indexes	Yousef Mohammadi & Mohammad Hassan Moradi	February 2019

10	modeling gene network in microarray short_term time series	Ensieh Sadat Nouri & Mohammad Hassan Moradi	July 2018
11	Fuzzy modelling of brain functional connectivity in different states of consciousness and attention based on EEG signal	Masoomah Rahimi Ghazikalayeh & Mohammad Hassan Moradi	February 2018
12	Enhancing Classification of Speech Imagery in Brain-Computer Interfaces based on fuzzy transfer learning	Abbas Salami & Mohammad Hassan Moradi	February 2018
13	Odor Discrimination By Analysing EEG Signals	Maryam Sharifinezhad & Mohammad Hassan Moradi	January 2018
14	Quantification of Depression Disorder Using EEG Signal(Mojtaba Hajian Berenjestanaki & Mohammad Hassan Moradi	July 2017
15	: Improvement of classification methods for speech imagery in brain-computer interface using dictionary learning methods	Mojtaba Moattari & Mohammad Hassan Moradi	February 2017
16	Comparing the distinction between image types (human face- fruit-scene) in different attention-consciousness state, based on EEG signal)	Armita Faghani Jadidi & Mohammad Hassan Moradi	February 2017
17	Nonlinear Dynamic Causality Inference In Microarray Short-time Time series	Fateme Nateghi Haredasht & Mohammad Hassan Moradi	January 2017
18	Differential Diagnosis of ADHD and Biopolar Mood Disorder/typell from Healthy group Using Steady State Evoked Potentials	Safa Rafiei Vand & Mohammad Hassan Moradi	February 2016
19	PTT- Based Method for Noninvasive Estimation of Systolic and Diastolic Blood Pressure	Shiva Kamalzadeh & Mohammad Hassan Moradi	February 2016
20	Improvement of analysis and classification methods used for speech imagery in brain-computer interface	Maryam Rostami & Mohammad Hassan Moradi	January 2016
21	Fuzzy Function application for modeling and classification of lung sounds	Sobhan Goudarzi & Mohammad Hassan Moradi	September 2015
22	Ankylosing Spondilitis diagnosis using optimized Adaptive Neural fuzzy inference System by Krill Herd algoritm	Amir Sanaei & Mohammad Hassan Moradi	May 2015
23	Long-Term Prediction of Blood Pressure Time Series using Fuzzy Multi-models	Reyhaneh Abbasi & Mohammad Hassan Moradi	October 2014
24	Systolic and diastolic blood pressure Estimation using ECG and PPG data during Exercise test	Maryam Moghadam & Mohammad Hassan Moradi	October 2014
25	Long Term Prediction of Blood Pressure Time Series Using Fuzzy Transform	Nazanin Zandi Mehran & Mohammad Hassan Moradi	October 2014
26	Detection and Classification of Imagery Speech In Self-paced Brain Computer Interface	Behtom Adeli & Mohammad Hassan Moradi	September 2014
27	Transient elastography in soft tissues using ultrasound	Mohammad Sajad Manuchehri & Mohammad Hassan Moradi	February 2014
28	Predicting ICU Mortality by Fuzzy Evidence Theory	Anis Sharafoddini & Mohammad Hassan Moradi	September 2013
29	analysis of brain signals for evaluating the relationship between attention and consciousness	Raheleh Davoodi Kahaki & Mohammad Hassan Moradi	February 2012
30	Tracking, analysis and classification of human sperm motion	Mohammadreza Ravanfar & Mohammad Hassan Moradi	January 2012

31	combination of analysis of brain and peripheral signals for lie detection enhancement	Ehsan Darestani Farahani & Mohammad Hassan Moradi	January 2012
32	A system for the processing of infant cry to evaluate its causes	Mehrnoosh Salarian & Mohammad Hassan Moradi	January 2012
33	Predicting acute hypotension episode using APB and ECG	Nasrin Eslami Mehrgerdi & Mohammad Hassan Moradi	October 2010
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35	Emotion Classification Using Brain and Peripheral Signals	Zahra Khaliliardali & Mohammad Hassan Moradi	March 2009
36	Using of Wavelet Support Vector Machines in Pattern Recognition of Biological Data	Mehrnoosh Darabi & Mohammad Hassan Moradi	January 2009
37	Artificial Immune System (AIS) application in biological signal pattern recognition	Seyede Samane Shojaie Langari & Mohammad Hassan Moradi	December 2008
38	Using of Multiple Classifier Combination Methods in Pptern Recognition of Biological Signal	Fatemeh Adibzadeh & Mohammad Hassan Moradi	December 2008
39	DETECTION AND CLASSIFICATION OF MOTOR-IMAGERY IN SELF-PACED BCI SYSTEMS	Elnaz Banan Sadeghian & Mohammad Hassan Moradi	March 2008
40	ECG Detection of Obstructive Sleep Apnea in Single Channel ECGS	Reyhaneh Sepehr & Mohammad Hassan Moradi	March 2008
41	OVARIAN AND PROSTAT CANCERS DIAGNOSIS USING MASS SPECTRA PATTERN OF BLOOD SAMPLES	Amin Assareh & Mohammad Hassan Moradi	November 2007
42	Providing Proper Guideline for Better Implementation Of PACS Tec homology in IRAN	Nazanin Sabooniha & Mohammad Hassan Moradi	October 2007
43	An automatic relation between California eye codes & eye procedure codes in ICD_9_CM	Zahra Zandesh & Mohammad Hassan Moradi	October 2007
44	Modeling & Predictive values of low birth weights in neonates.	Shima Tabatabai & Mohammad Hassan Moradi	October 2007
45	GENETIC REGULATORY NETWORK SIMULATION	Fatemeh Bakooee & Mohammad Hassan Moradi	March 2007
46	MICROARRAY DATA MINING: GENE SELECTION	Seyyedeh Fatemeh Molaezadeh & Mohammad Hassan Moradi	March 2007
47	ICROARRAY IMAGES, ENHANCEMENT AND SEGMENTATION	Pooria Jafari Moghadam Fard & Mohammad Hassan Moradi	February 2007
48	DETECTION OF CONITIVE COMPONENTS OF BRIAN POTENTIALS USING PROBABILISTIC FUZZY SYSTEMS FOR LIE DETECTION	Amir Hosein Jafarian & Mohammad Hassan Moradi	January 2007
49	Cancer classification by Gene expression Data Using Microarray Data	Behzad Amini & Mohammad Hassan Moradi	December 2006
50	DESIGN OF A HARDWARE/SOFTWARE SYSTEM TO MONITOR VECTORCARDIOGRAPH IN REAL TIME	Sasan Mardian & Mohammad Hassan Moradi	October 2006

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Brain and Behavior Computing ,Ch 14 : Detecting K-Complexes in Brain Signals Using WSST2-DETOKS	Zahra Ghanbari Garakani, Mohammad Hassan Moradi	United Kingdom	June 2021	1
2	Modelling and Analysis of Active Biopotential Signals in Healthcare, Volume 2 Chapter 3 :Multivariate phase synchrony based on fuzzy statistics: application to PTSD EEG signals	Zahra Ghanbari Garakani, Mohammad Hassan Moradi	United Kingdom	December 2020	1
3	Analysis of Medical Modalities for Improved Diagnosis in Modern Healthcare, Ch.2:Stochastic Event Synchrony Based on a Modified Sparse Bump Modeling: Application to PTSD EEG Signals	Zahra Ghanbari Garakani, Mohammad Hassan Moradi	United Kingdom	August 2021	1
4	High performance computing for intelligent medical systems, Ch.4: Deep learning for cuff less blood pressure monitoring	Jamal Esmaelpoor, Zahra Momayez Sanat, Mohammad Hassan Moradi	United Kingdom	August 2021	1
5	Modelling and analysis of active biopotential signals in healthcare , Vol. 1 Chapter 2 : Fuzzy scale invariant feature transform phase locking value and its application to PTSD EEG data	Zahra Ghanbari Garakani, Mohammad Hassan Moradi	United Kingdom	August 2020	1

Journal Papers

Portal Records

- Rasool Baghbani, Mohammad Behgam Shadmehr, Masoomeh Ashoorirad, Seyyedeh Fatemeh Molaezadeh, Mohammad Hassan Moradi, "Bioimpedance Spectroscopy Measurement and Classification of Lung Tissue to Identify Pulmonary Nodules", IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, August 2021 Vol. 70, Num. 1, Page 1-7, August 2021,
- Monireh Sheikhhosseini, Mohammad Hassan Moradi, "Adaptive fuzzy-SIFT rule-based registration for 3D cardiac motion estimation", APPLIED INTELLIGENCE, May 2021 Vol. 0, Num. 0, Page 1-15, May 2021,
- Jamal Esmaelpoor, Zahra Momayez Sanat, Mohammad Hassan Moradi, "A clinical set-up for noninvasive blood pressure monitoring using two photoplethysmograms and based on convolutional neural networks", BIOMEDIZINISCHE TECHNIK, April 2021 Vol. 2021, Num. 1, Page 1-11, April 2021,
- Monireh Sheikhhosseini, Mohammad Hassan Moradi, Mahdi Tabassian, Jan D'Hooge, "Non-rigid image registration using a modified fuzzy feature-based inference system for 3D cardiac motion estimation", COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, April 2021 Vol. 205, Num. 1, Page 1-9, April 2021,
- Jamal Esmaelpoor, Mohammad Hassan Moradi, Abdolrahim Kadkhodamohammadi3, "Cuffless blood pressure estimation methods: physiological model parameters versus machine-learned features", PHYSIOLOGICAL MEASUREMENT, April 2021 Vol. 42, Num. 1, Page 1-19, April 2021,
- Seyedeh Rezwan Hosseini, Farnaz Ghassemi, Mohammad Hassan Moradi, "Penalized logistic regression models for phenotype prediction based on Single Nucleotide Polymorphisms", AUT Journal of Electrical Engineering, December 2020 Vol. 0, Num. 0, Page 0-0, December 2020,
- Sahar Khoubani, Mohammad Hassan Moradi, "A fast quaternion wavelet-based motion compensated frame rate up-conversion with fuzzy smoothing application to echocardiography temporal enhancement", MULTIMEDIA TOOLS AND APPLICATIONS, November 2020 Vol. 0, Num. 0, Page 0-0, November 2020,

- 8 Yousef Mohammadi, Mohammad Hassan Moradi, "Prediction of Depression Severity Scores Based on Functional Connectivity and Complexity of the EEG Signal", *CLINICAL EEG AND NEUROSCIENCE*, October 2020 Vol. 2020, Num. 1, Page 1-9, October 2020,
- 9 Nasser Samadzadeh, Mohammad Hassan Moradi, Mohammad Bagher Shamsollahi, Ali Motie Nasrabadi, Seyed Kamaledin Setarehdan, Vahid Shalchyan, Farhad Faradji, Bahador Makkiabadi, "The 2017 and 2018 Iranian Brain-Computer Interface Competitions", *Journal of Medical Signals and sensors*, July 2020 Vol. 10, Num. 3, Page 208-216, July 2020,
- 10 Zahra Ghanbari Garakani, Mohammad Hassan Moradi, Alireza Moradi, Jafar Mirzaei, "Resting State Functional Connectivity in PTSD Veterans: An EEG Study", *JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING*, May 2020 Vol. 40, Num. 4, Page 505-516, May 2020,
- 11 Jamal Esmaelpoor, Mohammad Hassan Moradi, Abdolrahim Kadkhodamohammadi, "A multistage deep neural network model for blood pressure estimation using photoplethysmogram signals", *COMPUTERS IN BIOLOGY AND MEDICINE*, April 2020 Vol. 120, Num. 1, Page 1-9, April 2020,
- 12 Mojtaba Moattari, Mohammad Hassan Moradi, "Conflict Monitoring Optimization Heuristic Inspired by Brain Fear and Conflict Systems", *International Journal Of Artificial Intelligence*, March 2020 Vol. 18, Num. 1, Page 45-62, March 2020,
- 13 Zahra Ghanbari Garakani, Mohammad Hassan Moradi, "FSIFT-PLV: An emerging phase synchrony index", *BIOMEDICAL SIGNAL PROCESSING AND CONTROL*, December 2019 Vol. 57, Num. 101764, Page 1-12, December 2019,
- 14 Rasool Baghbani, Mohammad Hassan Moradi, Mohammad Behgam Shadmehr, Zahra Momayez Sanat, "A New Bio-Impedance Forceps Sensor for Measuring Electrical Conductivity of the Biological Tissues", *IEEE SENSORS JOURNAL*, December 2019 Vol. 19, Num. 23, Page 11721-11731, December 2019,
- 15 Masoomeh Rahimi Ghazikalayeh, Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, "Deep fuzzy model for non-linear effective connectivity estimation in the intuition of consciousness correlates", *BIOMEDICAL SIGNAL PROCESSING AND CONTROL*, November 2019 Vol. 57, Num. 1, Page 101732-101743, November 2019,
- 16 Masoomeh Rahimi Ghazikalayeh, Mohammad Hassan Moradi, Farnaz Ghassemi, "Comparison of brain effective connectivity in different states of attention and consciousness based on EEG signals", *BIOMEDICAL SIGNAL PROCESSING AND CONTROL*, March 2019 Vol. 51, Num. 1, Page 393-400, March 2019,
- 17 Mohammad Hassan Moradi, Raheleh Davoodi Kahaki, "designing a deep fuzzy rule-based system for depression staging", *IEEE Sensors Journal*, June 2018 Vol. 12, Num. 1, Page 25-39, June 2018,
- 18 Rasool Baghbani Khezrloo, Mohammad Hassan Moradi, Mohammad Behgam Shadmehr, "The Development of a Four-Electrode Bio-Impedance Sensor for Identification and Localization of Deep Pulmonary Nodules", *ANNALS OF BIOMEDICAL ENGINEERING*, April 2018 Vol. 0, Num. 0, Page 1-12, April 2018,
- 19 Amir Akhavan Bitaghsir, Mohammad Hassan Moradi, "Detection of Concealed Information Using Multichannel Discriminative Dictionary and Spatial Filter Learning", *IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY*, April 2018 Vol. 13, Num. 10, Page 2616-2627, April 2018,
- 20 Rasool Baghbani Khezrloo, Mohammad Hassan Moradi, Mohammad Behgam Shadmehr, "Identification of Pulmonary Nodules by Sweeping the Surface of the Lung with an Electrical Bioimpedance Probe: A Feasibility Study", *JOURNAL OF INVESTIGATIVE SURGERY*, March 2018 Vol. 0, Num. 0, Page 1-10, March 2018,
- 21 Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, "Mortality prediction in intensive care units (ICUs) using a deep rule-based fuzzy classifier", *JOURNAL OF BIOMEDICAL INFORMATICS*, February 2018 Vol. 79, Num. 1, Page 48-59, February 2018,
- 22 Rasool Baghbani Khezrloo, Mohammad Hassan Moradi, Mohammad Behgam Shadmehr, "Identifying and Localizing of the In-depth Pulmonary Nodules Using Electrical Bio-Impedance", *JOURNAL OF INVESTIGATIVE SURGERY*, December 2017 Vol. 0, Num. 0, Page 1-10, December 2017,
- 23 Zahra Ghanbari Garakani, Mohammad Hassan Moradi, "K-complex Detection based on Synchrosqueezing Transform", *AUT Journal of Electrical Engineering*, October 2017 Vol. 49, Num. 2, Page 215-222, October 2017,
- 24 Amin Janghorbani Poudeh, Mohammad Hassan Moradi, "Application of Fuzzy Evidential Network as Low Birth Weight Prognosis Model", *Iranian Journal of Biomedical Engineering*, October 2017 Vol. 10, Num. 3, Page 197-209, October 2017,

- 25 Mohammad Bagher Khodabakhshi, Mohammad Hassan Moradi, Zahra Momayez Sanat, Pooria Jafari Moghadam Fard, "Lung sound decomposition using recurrent fuzzy wavelet network", JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, September 2017 Vol. 33, Num. 4, Page 2497-2508, September 2017,
- 26 Amin Janghorbani Poudeh, Mohammad Hassan Moradi, "Fuzzy Evidential Network and Its Application as Medical Prognosis and Diagnosis Models", JOURNAL OF BIOMEDICAL INFORMATICS, August 2017 Vol. 72, Num. 0, Page 96-107, August 2017,
- 27 Amir Akhavan, Mohammad Hassan Moradi, "Direction estimation of wideband acoustic sources using joint sparse representation model", Journal of Acoustical Engineering Society of Iran, March 2017 Vol. 4, Num. 2, Page 61-74, March 2017,
- 28 Mohammad Bagher Khodabakhshi, Mohammad Hassan Moradi, "The Attractor Recurrent Neural Network Based on Fuzzy Functions: An Effective Model for the Classification of Lung Abnormalities", COMPUTERS IN BIOLOGY AND MEDICINE, March 2017 Vol. 84, Num. 1, Page 124-136, March 2017,
- 29 Amir Akhavan Bitaghsir, Mohammad Hassan Moradi, Safa Rafieivand, "Subject-based discriminative sparse representation model for detection of concealed information", COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, February 2017 Vol. 143, Num. 0, Page 25-33, February 2017,
- 30 Abdollah Arasteh, Mohammad Hassan Moradi, Amin Janghorbani Poudeh, "A Novel Method Based on Empirical Mode Decomposition for P300-Based Detection of Deception", IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, November 2016 Vol. 11, Num. 11, Page 2584-2593, November 2016,
- 31 Rasool Baghbani Khezrloo, Mohammad Hassan Moradi, "Design an Electrical Bio-Impedance Forceps for Local Measuring Electrical Properties of Tissues Inside of the Human Body", Iranian Journal of Biomedical Engineering, July 2016 Vol. 10, Num. 2, Page 149-160, July 2016,
- 32 Masoomeh Rahimi Ghazikalayeh, Mohammad Hassan Moradi, Farnaz Ghassemi, "Brain effective connectivity investigation with directed transform function method for different combination of attention and consciousness based on EEG signals", Iranian Journal of Biomedical Engineering, May 2016 Vol. 10, Num. 1, Page 59-68, May 2016,
- 33 Masoomeh Rahimi Ghazikalayeh, Mohammad Hassan Moradi, Farnaz Ghassemi, "Brain Effective Connectivity Investigation With Directed Transform Function Method for Different Combination of Attention and Consciousness Based on EEG Signals", Iranian Journal of Biomedical Engineering, March 2016 Vol. 10, Num. 1, Page 59-68, March 2016,
- 34 Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, Ali Yoonessi, "Dissociation between Attention and Consciousness during a Novel Task: An ERP Study", JOURNAL OF NEUROPHYSIOLOGY, January 2016 Vol. 47, Num. 2, Page 144-154, January 2016,
- 35 Sobhan Goudarzi, Mohammad Bagher Khodabakhshi, Mohammad Hassan Moradi, "Interactively Recurrent Fuzzy Functions with Multi Objective Learning and its Application to Chaotic Time Series Prediction", JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, December 2015 Vol. 0, Num. 0, Page 0-0, December 2015,
- 36 Sobhan Goudarzi, Sajad Jafari, Mohammad Hassan Moradi, J. C. Sprott, "NARX prediction of some rare chaotic flows: Recurrent fuzzy functions approach", PHYSICS LETTERS A, November 2015 Vol. 380, Num. 0, Page 696-706, November 2015,
- 37 Amir Akhavan Bitaghsir, Mohammad Hassan Moradi, "Analysis of infants cry sound using kernel sparse representation-based classifier", Journal of Acoustical Engineering Society of Iran, September 2015 Vol. 3, Num. 1, Page 56-65, September 2015,
- 38 Maliheh Molaei, Mohammad Hassan Moradi, "Heart Sound Localization in Respiratory Sounds Based on Singular Spectrum Analysis and Frequency Features", ETRI JOURNAL, August 2015 Vol. 37, Num. 4, Page 824-832, August 2015,
- 39 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, Sassan Saber, "Chaos to randomness: distinguishing between healthy and non-healthy lung sound behaviour", AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, December 2014 Vol. 38, Num. 1, Page 47-54, December 2014,
- 40 Mohammadreza Ravanfar, Leila Azinfar, Mohammad Hassan Moradi, Reza Fazel-Rezaei, "Occlusion Robust Low-Contrast Sperm Tracking Using Switchable Weight Particle Filtering", Advances in Sexual Medicine-OPEN, July 2014 Vol. 4, Num. 1, Page 42-54, July 2014,

- 41 Mohammad Hassan Moradi, Masoome Ashoori Rad, Rasool Baghbani Khezerloo, "ECG Signal Enhancement Using Kalman Filter and signal Averaging", INTERNATIONAL JOURNAL OF CARDIOLOGY, May 2014 Vol. 173, Num. 3, Page 553-555, May 2014,
- 42 Jamal Saeedi, Karim Faez, Mohammad Hassan Moradi, "Hybrid Fractal-Wavelet Method for Multi-Channel EEG Signal Compression", CIRCUITS SYSTEMS AND SIGNAL PROCESSING, March 2014 Vol. 2014, Num. 2, Page 1-22, March 2014,
- 43 Ali Hafizi, M. Koolivand-Salooki, Amin Janghorbani Poudeh, A. Ahmadpour, Mohammad Hassan Moradi, "An Investigation of Artificial Intelligence Methodologies in the Prediction of the Dirty Amine Flow Rate of a Gas Sweetening Absorption Column", PETROLEUM SCIENCE AND TECHNOLOGY, January 2014 Vol. 32, Num. 5, Page 527-534, January 2014,
- 44 Maliheh Molaei, Sajad Jafari, Mohammad Hassan Moradi, Julien Clinton Sprott, Mohammadreza Hashemigolpayegany, "A Chaotic Viewpoint on Noise Reduction from Respiratory Sounds", BIOMEDICAL SIGNAL PROCESSING AND CONTROL, December 2013 Vol. -, Num. 0, Page 0-0, December 2013,
- 45 Amin Janghorbani Poudeh, Abdollah Arasteh, Mohammad Hassan Moradi, "Prognosis of Acute Hypotension Episodes Using Physiological and Chaotic Features", , September 2013 Vol. 7, Num. 2, Page 163-174, September 2013,
- 46 Ehsan Darestani Farahani, Mohammad Hassan Moradi, "A Concealed Information Test with Combination of ERP Recording and Autonomic Measurements", NEUROPHYSIOLOGY, April 2013 Vol. 45, Num. 3, Page 223-233, April 2013,
- 47 Seyede Fatemeh Molaeezadeh, Mohammad Hassan Moradi, "Bifurcating Fuzzy Sets: Theory and Application", NEUROCOMPUTING, April 2013 Vol. 118, Num. 0, Page 268-278, April 2013,
- 48 Behshad HosseiniFard, Mohammad Hassan Moradi, Reza Rostami, "Classifying depression patients and normal subjects using machine learning techniques and nonlinear features from EEG signal", COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, March 2013 Vol. 109, Num. 3, Page 339-345, March 2013,
- 49 Seyede Fatemeh Molaeezadeh, Mohammad Hassan Moradi, "A 2uFunction representation for non-uniform type-2 fuzzy sets: Theory and design", INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, February 2013 Vol. 54, Num. 2, Page 273-289, February 2013,
- 50 Alireza Babaei, Mahdi Mortazavi, Mohammad Hassan Moradi, "Fuzzy sliding mode autopilot design for nonminimum phase and nonlinear UAV", JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, January 2013 Vol. 24, Num. 24, Page 499-509, January 2013,
- 51 Soheil Mottaghi, Mohammad Hassan Moradi, Leila Roohi Sefat, "cuffless blood pressure estimation during exercise stress test", International Journal of Bioscience , Biochemistry and Bioinformatics, November 2012 Vol. 2, Num. 6, Page 394-397, November 2012,
- 52 Seyedehsamaneh Shojaeilangari, Mohammad Hassan Moradi, "Combination of Designed Immune Based Classifiers for ERP Assessment in a P300-Based GKT", Research Journal of Applied Sciences Engineering and technology, September 2012 Vol. 4, Num. 17, Page 2995-3004, September 2012,
- 53 Seyedehsamaneh Shojaeilangari, Mohammad Hassan Moradi, "A New Unsupervised Pre-processing Algorithm Based on Artificial Immune System for ERP Assessment in a P300-based GKT", Research Journal of Applied Sciences Engineering and technology, September 2012 Vol. 4, Num. 18, Page 3238-3245, September 2012,
- 54 Hussain Montazery Kordy, Mohammad Hossein Miran Baygi, Mohammad Hassan Moradi, "A hybrid feature subset selection algorithm for analysis of high correlation proteomic data", Journal of Medical Signals and sensors, July 2012 Vol. 2, Num. 3, Page 161-168, July 2012,
- 55 Mohammad Hassan Moradi, Mohammad Sajad Manuchehri, Reza Irani Rad, "Novel Methods For Elastography of Soft Tissue Using Ultrasound Waves", , March 2012 Vol. 5, Num. 4, Page 313-332, March 2012,
- 56 Farnaz Ghassemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Using non-linear features of EEG for ADHD/Normal participants' classification", Procedia-Social and Behavioral Sciences, February 2012 Vol. 32, Num. 1, Page 148-152, February 2012,
- 57 Farnaz Ghassemi, Mehdi Tehrani-Doost, Mohammad Hassan Moradi, Vahid Abootalebi, "Using ERP components for classification of ADHD/normal participants", CLINICAL NEUROPHYSIOLOGY, February 2012 Vol. 42, Num. 0, Page 65-65, February 2012,

- 58 Alireza Babaei, Mahdi Mortazavi, Mohammad Hassan Moradi, "Fuzzy-Genetic Autopilot Design for Nonminimum phase and Nonlinear Unmanned Aerial Vehicles", JOURNAL OF AEROSPACE ENGINEERING, January 2012 Vol. 1, Num. 25, Page 1-9, January 2012,
- 59 Alireza Babaei, Mahdi Mortazavi, Mohammad Hassan Moradi, "Classical and fuzzy-genetic autopilot design for unmanned aerial vehicles", Applied Soft Computing, November 2011 Vol. 0, Num. 11, Page 0-0, November 2011,
- 60 A.Hajnayeb, A.Ghasemloonia, S.E.Khadem, Mohammad Hassan Moradi, "Application and comparison of an ANN-based feature selection method and the genetic algorithm in gearbox fault diagnosis", EXPERT SYSTEMS WITH APPLICATIONS, August 2011 Vol. 38, Num. 8, Page 10205-10209, August 2011,
- 61 Isar Nejadgholi, Mohammad Hassan Moradi, Fatemeh Abdolali, "Using phase space reconstruction for patient independent heartbeat classification in comparison with some benchmark methods", COMPUTERS IN BIOLOGY AND MEDICINE, June 2011 Vol. 41, Num. 6, Page 411-419, June 2011,
- 62 Isar Nejadgholi, Mohammad Hassan Moradi, Fatemeh Abdolali, "Using phase space reconstruction for patient independent heartbeat classification in comparison with some benchmark methods", COMPUTERS IN BIOLOGY AND MEDICINE, June 2011 Vol. 41, Num. 6, Page 411-419, June 2011,
- 63 Farnaz Ghasemi, Mohammad Hassan Moradi, M.Tehrani-Doost, V.Abootalebi, "Effects of the ADHD Syndrome on the Frequency Composition of ERPs Revealed by Independent Component Analysis", JOURNAL OF NEUROPHYSIOLOGY, May 2011 Vol. 42, Num. 6, Page 428-433, May 2011,
- 64 Farnaz Ghassemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Effects of the ADHD Syndrome on the Frequency Composition of ERPs Revealed by Independent Component Analysis", NEUROPHYSIOLOGY, May 2011 Vol. 42, Num. 6, Page 428-433, May 2011,
- 65 Daryoosh Rostamifard, Mehdi Fallahnezhad, Salman Zaferanlouei, Saeed Setayeshi, Mohammad Hassan Moradi, "Empirical correlation study of dryout heat transfer at high pressure using high order neural network and feed forward neural network", HEAT AND MASS TRANSFER, March 2011 Vol. 47, Num. 4, Page 439-448, March 2011,
- 66 Sh.Tabatabaee, Mohammad Hassan Moradi, "low birth weight risk factors in Tehran in1386.", , February 2011 Vol. 20, Num. 71, Page 29-35, February 2011,
- 67 Jamal Saeedi, Mohammad Hassan Moradi, Karim Faez, "A New Wavelet-Based Fuzzy Single and Multi-Channel Image Denoising", Image and Vision Computing, December 2010 Vol. 28, Num. 12, Page 0-0, December 2010,
- 68 Isar Nejadgholi, Mohammad Hassan Moradi, Fatemeh Abdolali, "using phase space reconstruction for patient independent heartbeat classification", , December 2010 Vol. 4, Num. 4, Page 279-292, December 2010,
- 69 Mehdi Fallahnezhad, Mohammad Hassan Moradi, Salman Zaferanlouei, "A Hybrid Higher Order Neural Classifier for handling classification problems", EXPERT SYSTEMS WITH APPLICATIONS, December 2010 Vol. 38, Num. 1, Page 386-393, December 2010,
- 70 Farnaz Ghasemi, Mohammad Hassan Moradi, M.Tehrani-Doost, V.Abootalebi, "Effects of Correct and Wrong Answers on ERPs Recorded under Conditions of the Continuous Performance Test in ADHD/Normal Participants", JOURNAL OF NEUROPHYSIOLOGY, November 2010 Vol. 42, Num. 3, Page 213-220, November 2010,
- 71 Farnaz Ghassemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Evaluation of Estimating Missed Answers in Conners Adult ADHD Rating Scale (Screening Version)", Iranian Journal of Psychiatry, July 2010 Vol. 5, Num. 3, Page 108-112, July 2010,
- 72 Farnaz Ghassemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Effects of correct and wrong answers on ERPs recorded under conditions of the continuous performance test in ADHD/normal participants", NEUROPHYSIOLOGY, June 2010 Vol. 42, Num. 3, Page 213-220, June 2010,
- 73 Farnaz Ghasemi, Mohammad Hassan Moradi, Tehrani-Doost, Abootalebi, A.Khorami, Amin Mohammadian, "Relations between Levels of Sustained Attention and Event-Related-Potentials", , May 2010 Vol. 12, Num. 3, Page 73-81, May 2010,
- 74 Farnaz Ghasemi, Mohammad Hassan Moradi, M.Tehrani-Doost, V.Abootalebi, "Evaluation of Estimating Missed Answers in Conners Adult ADHD Rating Scale (Screening Version)", Iranian Journal of Psychiatry, May 2010 Vol. 5, Num. 3, Page 108-112, May 2010,

- 75 Zifan, Mohammad Hassan Moradi, Shahriar Gharibzadeh, "Microarray image enhancement by denoising using decimated and undecimated multiwavelet transforms", Signal, Image and Video Processing (sivip), March 2010 Vol. 4, Num. 4, Page 177-185, March 2010,
- 76 Mohamad Ali Riyazi, Farzad Towhidkhal, Mohammad Hassan Moradi, Hassan Ali Sadafi, "BIOELECTRICAL IMPEDANCE OF MERIDIANS USING LOW FREQUENCY ELECTRO-ACUPUNCTURE.", JOURNAL OF THE AUSTRALIAN TRADITIONAL-MEDICINE SOCIETY, December 2009 Vol. 15, Num. 4, Page 209-213, December 2009,
- 77 Mohammad Hassan Moradi, "Classical and fuzzy-genetic autopilot design for unmanned aerial vehicles", Applied Soft Computing, November 2009 Vol. 0, Num. 0, Page 0-0, November 2009,
- 78 Mahboubeh Rezakhah Varnoosafaderany, Mohammadreza Hashemigolpayegany, Mohammad Hassan Moradi, Momen-Zade, S.S.Razavi, "Investigation of matching between cardiac parameters and Depth of anaesthesia", , November 2009 Vol. 33, Num. 3, Page 141-145, November 2009,
- 79 Mahboubeh Rezakhah Varnoosafaderani, Mohammadreza Hashemigolpayegany, Mohammad Hassan Moradi, Siroos Momenzade, Seyed Sajad Razavi, "Studing consistency of Cardiac Parameters with the level of Consciousness", , September 2009 Vol. 33, Num. 3, Page 141-145, September 2009,
- 80 H.Montazeri Kordi, M.H.Miranbeigi, Mohammad Hassan Moradi, "feature extraction", , August 2009 Vol. 7, Num. 2, Page 154-160, August 2009,
- 81 A.Mohammadian, V.Aboutalebi, Mohammad Hassan Moradi, M.A.Khalilzadeh, "Using Reaction Time and P300 component and blending two modal in order to identification of "knowledge of liar """, , May 2009 Vol. 11, Num. 1, Page 23-32, May 2009,
- 82 Saeed Kermani, Mohammad Hassan Moradi, Hamid Abrishamy Moghaddam, [en-name N/A], [en-name N/A], "Quantitative analysis of left ventricular performance from sequences of cardiac magnetic resonance imaging using active mesh model", , April 2009 Vol. , Num. 33, Page 0-0, April 2009,
- 83 Zahra Khaliliardali, Mohammad Hassan Moradi, "classification", , April 2009 Vol. 11, Num. 1, Page 33-52, April 2009,
- 84 Vahid Abutalebi, Mohammad Hassan Moradi, [en-name N/A], "A new approach for EEG feature extraction in P300-based lie detection", , April 2009 Vol. , Num. 94, Page 0-0, April 2009,
- 85 Fatemeh Adibzadeh, Mohammad Hassan Moradi, "combination of multiple classifiers for classifying the diabetic data", , January 2009 Vol. , Num. 14, Page 0-0, January 2009,
- 86 Saeed Kermani, Mohammad Hassan Moradi, Hamid Abrishamy Moghaddam, [en-name N/A], [en-name N/A], "3D Point Wise Tracking of the Left Ventricle Over Cardiac Image Sequences Using Active Mesh and Physical Models", , December 2008 Vol. , Num. 0, Page 0-0, December 2008,
- 87 [en-name N/A], [en-name N/A], Mohammad Hassan Moradi, "A data-mining approach to biomarker identification from protein profiles using discrete stationary wavelet transform", , November 2008 Vol. , Num. 9, Page 0-0, November 2008,
- 88 S.Kermani, H.Abrishami Moghadam, Mohammad Hassan Moradi, "Using active mesh to estimate local and overall indicates of the left ventricle Cardiac according to sequence of Magnetic Resonance Imaging.", , November 2008 Vol. 2, Num. 3, Page 215-232, November 2008,
- 89 Vahid Esmaeili, Amin Assareh, [en-name N/A], Mohammad Hassan Moradi, "Estimating the Depth of Anesthesia using Fuzzy Soft Computation Applied to EEG Features", , May 2008 Vol. , Num. 12, Page 0-0, May 2008,
- 90 Bahram Vazirnezhad, Mohammad Hassan Moradi, "Patterns processing in Voice Pathology", intelligent processing, March 2008 Vol. 8, Num. 2, Page 71-80, March 2008,
- 91 Ali Hajnayeb, Mohammad Hassan Moradi, "Design and Implementation of an Automatic Condition-Monitoring Expert System for Ball-Bearing Fault Detection", , January 2008 Vol. , Num. 0, Page 0-0, January 2008,
- 92 [en-name N/A], Shahriar Gharibzadeh, Mohammad Hassan Moradi, "Could Dynamic Attractors Explain Associative Prosopagnosia?", , July 2007 Vol. , Num. 68, Page 0-0, July 2007,
- 93 Reza Hasanzadeh Pak Rezaei, Amir Hossein Rezaei, S.H.H. Sadeghi, Mohammad Hassan Moradi, Mehdi Ahmadi Najafabadi, "A density -based fuzzy clustering technique for non-destructive detection of defect in materials", NDT and E International, June 2007 Vol. 40, Num. 4, Page 0-0, June 2007,

- 94 Mahsa Sedighi, B Graimann, Mohammad Hassan Moradi, G Pfurtscheller, "A Comparison Approach Toward Finding The Best Feature and Classifier in Cue-Based BCI", , April 2007 Vol. , Num. 45, Page 0-0, April 2007,
- 95 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, [en-name N/A], "A novel approach in R peak detection using Hybrid Complex Wavelet (HCW)", , February 2007 Vol. , Num. 124, Page 0-0, February 2007,
- 96 Vahid Abutalebi, Mohammad Hassan Moradi, "A Comparison of Methods for ERP Assessment in a P300-Based GKT", , November 2006 Vol. , Num. 62, Page 0-0, November 2006,
- 97 [en-name N/A], Sohrab Saberi Moghaddam, Mohammad Hassan Moradi, Farzad Towhidkhan, "Automated ECG Segmentation Using Piecewise Derivative Dynamic Time Warping", , September 2006 Vol. , Num. 3, Page 0-0, September 2006,
- 98 [en-name N/A], Mohammad Hassan Moradi, Sohrab Saberi Moghaddam, Farzad Towhidkhan, "Automated Segmentation of ECG Signals using Piecewise Derivative Dynamic Time Warping", , August 2006 Vol. , Num. 14, Page 0-0, August 2006,
- 99 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "Electrocardiogram Signal Compression Using Multiwavelet Transform", , June 2006 Vol. , Num. 0, Page 0-0, June 2006,
- 100 Ali Shahidi Zandi, Mohammad Hassan Moradi, "Quantitative Evaluation Of a Wavelet - Based Method in Ventricular Late Potential Detection", , April 2006 Vol. , Num. 39, Page 0-0, April 2006,
- 101 Vahid Reza Nafisi, Mohammad Hassan Moradi, [en-name N/A], "A Template Matching Algorithm for Sperm Tracking and Classification", , September 2005 Vol. , Num. 26, Page 0-0, September 2005,
- 102 , Mohammad Hassan Moradi, Vahid Reza Nafisi, "A Multi Steps Algorithm for Sperm Segmentation in Microscopic Image", , August 2005 Vol. , Num. 0, Page 0-0, August 2005,
- 103 [en-name N/A], Mohammad Hassan Moradi, [en-name N/A], [en-name N/A], "Intelligent System for Breast Cancer Prognosis Using Multiwavelet Packets and Neural Network", , August 2005 Vol. , Num. 0, Page 0-0, August 2005,
- 104 Vahid Reza Nafisi, Mohammad Hassan Moradi, [en-name N/A], "Sperm Identification Using Elliptic Model and Tail Detection", , June 2005 Vol. , Num. 0, Page 0-0, June 2005,
- 105 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, Ali Taheri, "Efficient Method for ECG Compression Using Two Dimensional Multiwavelet Transform", , December 2004 Vol. , Num. 0, Page 0-0, December 2004,
- 106 [en-name N/A], Mohammad Hassan Moradi, [en-name N/A], "Novel genetic -neuro- fuzzy filter for speckle reduction from sonography images", , December 2004 Vol. , Num. 4, Page 0-0, December 2004,
- 107 Reza Boostani, Mohammad Hassan Moradi, "A new approach in the BCI research based on fractal dimension as feature and adaboost as classifier", , November 2004 Vol. , Num. 1, Page 0-0, November 2004,
- 108 [en-name N/A], Mohammad Hassan Moradi, [en-name N/A], "Automatic detection of premature complexes in ECG using wavelet features and fuzzy hybrid neural network", , June 2004 Vol. , Num. 2, Page 0-0, June 2004,
- 109 Ali Shahidi Zandi, Mohammad Hassan Moradi, "Detection of ventricular late potentials in high-resolution ECG signals by a method based on the continuous wavelet transform and artificial neural networks", , January 2004 Vol. , Num. , Page 0-0, January 2004,
- 110 Reza Boostani, Mohammad Hassan Moradi, "Evaluation of the forearm EMG signal features for the control of a prosthetic hand", , May 2003 Vol. , Num. , Page 0-0, May 2003,
- 111 Mohammad Hassan Moradi, "Automatic detection of premature complexes in ECG Using wavelet features and fuzzy hybrid neural network", , January 2002 Vol. , Num. , Page 0-0, January 2002,

Conference Papers

- 1 Fateme Nateghi Haredasht, Mohammad Hassan Moradi, "Nonlinear causality inference in microarray time series ", 31st Benelux Conference on Artificial Intelligence and the 28th Belgian Dutch Conference on Machine Learning, BNAIC/BENELEARN 2019; Brussels; Belgium; 6 November 2019 through 8 November 2019; Code 153783, November 2019
- 2 Yousef Mohammadi, Mojtaba Hajian Berenjestanaki, Mohammad Hassan Moradi, "Discrimination of Depression Levels Using Machine Learning Methods on EEG Signals ", 27 Iranian Conference on Electrical Engineering, April 2019
- 3 Ensieh Sadat Nouri, Masoomeh Rahimi Ghazikalayeh, Mohammad Hassan Moradi, "Gene networks modeling of microarray time series using Fuzzy Granger causality ", 2018 25th National and 3rd International Iranian Conference on Biomedical Engineering (ICBME, November 2018
- 4 Mandana Ghafourian, Mohammad Teshnelab, Mohammad Hassan Moradi, "designing an intelligence model for seizure prediction using ECG signal ", the second national and the first international soft computing conference, November 2017
- 5 Abbas Salami, Farnaz Ghassemi, Mohammad Hassan Moradi, "A Criterion to Evaluate Feature Vectors Based on ANOVA Statistical Analysis ", 24th National and 2nd International Iranian Conference on Biomedical Engineering, November 2017
- 6 Sahar Khoubani, Mohammad Hassan Moradi, Monireh Sheikhhosseini, "Quaternion Wavelet Frame Rate Up-Conversion ", 2017 24th Iranian Conference on Biomedical Engineering and 2017 2nd International Iranian Conference on Biomedical Engineering (ICBME), November 2017
- 7 Abbas Salami, Farnaz Ghassemi, Mohammad Hassan Moradi, "A Criterion to Evaluate Feature Vectors Based on ANOVA Statistical Analysis ", 24th National and 2nd International Iranian Conference on Biomedical Engineering, November 2017
- 8 Zahra Ghanbari Garakani, Mohammad Hassan Moradi, "Generalized phase synchrony using fuzzified Johansen test ", 2017 Artificial Intelligence and Signal Processing Conference (AISP, October 2017
- 9 Abbas Salami, Mohammad Bagher Khodabakhshi, Mohammad Hassan Moradi, "Fuzzy Transfer Learning Approach for Analysing Imagery BCI Tasks ", 2017 Artificial Intelligence and Signal Processing Conference (AISP, October 2017
- 10 Mojtaba Moattari, Pedram Parnianpour, Mohammad Hassan Moradi, "Independent component analysis approach using higher orders of Non-Gaussianity ", Electrical Engineering (ICEE), 2017 Iranian Conference on Electrical Engineering, May 2017
- 11 Zahra Ghanbari Garakani, Mohammad Hassan Moradi, "Synchrosqueezing transform: Application in the Analysis of the K-complex Pattern ", 23th Iranian Conference on Biomedical Engineering, 1st International Iranian Conference on Biomedical Engineering, November 2016
- 12 Armita Faghani Jadidi, Banafshe Shafieizargar, Mohammad Hassan Moradi, "Categorizing Visual Objects; Using ERP Components ", 23th Iranian Conference on Biomedical Engineering, 1st International Iranian Conference on Biomedical Engineering, November 2016
- 13 Masoomeh Rahimi Ghazikalayeh, Asghar Zarei, Ehsan Nazerfard, Mohammad Hassan Moradi, "Ensemble Methods Combination for Motor Imagery Tasks in Brain Computer Interface ", International Iranian Conference on Biomedical Engineering-ICBME, November 2016
- 14 Fateme Nateghi Haredasht, Farnaz Ghassemi, Mohammad Hassan Moradi, "Causal Inference of Gene Expression Data Using a Clustering-based Extension of Kernel-Granger Causality ", 2016 23rd Iranian Conference on Biomedical Engineering and 2016 1st International Iranian Conference on Biomedical Engineering (ICBME), November 2016
- 15 Armita Faghani Jadidi, Mohammad Hassan Moradi, "Separation of p300 sources and their subcomponents to study the impact of numeration on visual attention; using constrained blind source separation ", 24th Iranian Conference on Electrical Engineering (ICEE 2016), May 2016
- 16 Asghar Zarei, Farnaz Ghassemi, Mohammad Hassan Moradi, "Information based Source Number Estimation for Probabilistic Common Spatial Pattern in Motor Imaginary BCI System ", The 24th Iranian Conference on Electrical Engineering (ICEE 2016), May 2016

- 17 Mojtaba Moattari, Farzad Towhidkhan, Mohammad Hassan Moradi, "Optimization algorithm modeling based on the fear and conflict system in human brain ", 2015 22nd Iranian Conference on Biomedical Engineering (ICBME), November 2015
- 18 Mojtaba Moattari, Farzad Towhidkhan, Mohammad Hassan Moradi, "Optimization Metaheuristic Model Inspired by Fear System in Brain ", 22nd Iranian Conference of Biomedical Engineering, November 2015
- 19 Armita Faghani Jadidi, Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, Ali Yoonessi, "The impact of numeration on visual attention during a psychophysical task; An ERP study ", Biomedical Engineering (ICBME), 2014 21th Iranian Conference on, November 2014
- 20 Maryam Moghadam, Mohammad Hassan Moradi, "Model based Blood Pressure estimation during exercise test using modified fuzzy function ", Biomedical Engineering (ICBME), 2014 21th Iranian Conference on, November 2014
- 21 Reyhaneh Abbasi, Mohammad Hassan Moradi, Molaezadeh Seyyede Fatemeh, "Long-term prediction of blood pressure time series using multiple fuzzy functions ", Biomedical Engineering (ICBME), 2014 21th Iranian Conference on, November 2014
- 22 Seyede Fatemeh Molaezadeh, Mohammad Hassan Moradi, "Type-2 fuzzy sets based Trapezoidal representation ", 14th Iranian Conference on Fuzzy Systems, August 2014
- 23 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, Sassan Saber, "Behaviour of healthy and non-healthy lung sound ", Electrical Engineering (ICEE), 2014 22nd Iranian Conference on, May 2014
- 24 Safa Rafiei Vand, Ehsan Darestani Farahani, Mohammad Hassan Moradi, "A fully programmable multi-channel electro tactile stimulator ", Electrical Engineering (ICEE), 2014 22nd Iranian Conference on, May 2014
- 25 Narges Nourian, Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, Ali Yoonessi, "An ERP study on visual attention to facial stimuli; N170 component ", Electrical Engineering (ICEE), 2014 22nd Iranian Conference on, May 2014
- 26 Mohammad Sajad Manuchehri, Mohammad Hassan Moradi, "Time Delay Estimation based on Fuzzy Structure Evolving Learning Method using DCT Coefficients ", 2013 13th Iranian conference on fuzzy systems(IFSC), August 2013
- 27 Raheleh Davoodi Kahaki, Mohammad Hassan Moradi, Ali Yoonessi, "Neural Correlates of Attention Differ from Consciousness during a Novel Psychophysical Task ", 19th Iranian Conference of Biomedical Engineering (ICBME), 2012, December 2012
- 28 Mohammad Ali Ahmadi Pajouh, Farzad Towhidkhan, Mohammad Hassan Moradi, "Estimation of Time-varying Human Arm Stiffness Using Electromyogram Signal ", 19th Iranian conference on Biomedical Engineering (ICBME 2012), December 2012
- 29 Ehsan Darestani Farahani, Mohammad Hassan Moradi, "A novel protocol for detection of concealed information ", Electrical Engineering (ICEE), 2012 20th Iranian Conference on, May 2012
- 30 Seyede Fatemeh Molaezadeh, Mehrnoosh Salarian, Mohammad Hassan Moradi, "Type-2 fuzzy pattern matching for classifying hunger and pain cries of healthy full-term infants ", Artificial Intelligence and Signal Processing (AISP), 2012 16th CSI International Symposium on, May 2012
- 31 Mohammadreza Ravanfar, Mohammad Hassan Moradi, "Low Contrast Sperm Detection and Tracking by Watershed Algorithm and Particle Filter ", 18th Iranian Conference of Biomedical Engineering (ICBME), 2011, December 2011
- 32 Mana Manoochehri, Mohammad Hassan Moradi, "The New Post Processing Method for Self-Paced BCI System ", 18th Iranian Conference on BioMedical Engineering,, December 2011
- 33 Mana Manoochehri, Mohammad Hassan Moradi, "The effect of selecting different time interval as event and type of phenomenon in performance of SBCI systems ", 19th Iranian Conference on Electrical Engineering (ICEE), 2011, May 2011
- 34 Amin Janghorbani Poudeh, Abdollah Arasteh, Mohammad Hassan Moradi, "Prediction of Acute Hypotension Episodes Using Logistic Regression Model and Support Vector Machine: A Comparative Study ", 19th Iranian Conference on Electrical Engineering (ICEE), 2011, May 2011

- 35 Behshad Hosseinfard, Mohammad Hassan Moradi, Reza Rostami, "Classifying Depression Patients and Normal Subjects using Machine Learning Techniques ", 19th Iranian Conference on Electrical Engineering (ICEE), 2011, May 2011
- 36 Abdollah Arasteh, Amin Janghorbani Poudeh, Mohammad Hassan Moradi, "a survey on emd sensitivity to SNR for EEG feature extraction in BCI application ", 5th Cairo International Biomedical Engineering Conference (CIBEC), 2010, December 2010
- 37 Farnaz Ghasemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Classification of ADHD/Normal Participants Using Frequency Features of ERP's Independent Componenst ", 17th Iranian Conference of Biomedical Engineering (ICBME2010, November 2010
- 38 Mana Manoochehri, Mohammad Hassan Moradi, "Are All BCI Feature Extraction Methods Subject_Independent? ", 17th Iranian Conference of Biomedical Engineering (ICBME2010, November 2010
- 39 Amin Janghorbani Poudeh, Abdollah Arasteh, Mohammad Hassan Moradi, "Application of Local Linear Neuro-Fuzzy Model in Prediction of Mean Arterial Blood Pressure Time Series ", 17th Iranian Conference of Biomedical Engineering (ICBME2010, November 2010
- 40 Abdollah Arasteh, Amin Janghorbani Poudeh, Mohammad Hassan Moradi, "Application of Empirical Mode Decomposition in Prediction of Acute Hypotension Episodes ", 17th Iranian Conference of Biomedical Engineering (ICBME), 2010, November 2010
- 41 Mehdi Botjkhani, Mehdi Fallahnezhad, Farzad Towhidkha, Mohammad Hassan Moradi, "Diagnosis of parkinson diseases based on hadwriting kinematics using fuzzy classifier ", 4th International Conference of Fuzzy information & Engineering, October 2010
- 42 Jamal Saeedi, Mohammad Hassan Moradi, Ali Abedi, "Image Denoising Based on Fuzzy and Intra-Scale Dependency in Wavelet Transform Domain ", International Conference on Pattern Recognition IEEE Computer society, September 2010
- 43 Daryoosh Rostamifard, Mehdi Fallahnezhad, Salman Zaferanlouei, Saeed Setayeshi, Mohammad Hassan Moradi, "The prediction of CHF at near critical pressures by High Order Neural Network (HONN) ", 14th International Heat Transfer Conference (IHTC), August 2010
- 44 Ali Hajnayeb, Ahmad Ghasemloonia, Siamak Esmaealzadeh Khadem, Mohammad Hassan Moradi, "IMPROVING PERFORMANCE OF AN ARTIFICIAL NEURAL NETWORK BASED GEARBOX FAULT DIAGNOSIS SYSTEM ", 10th Biennial Conference on Engineering Systems Design and Analysis ESDA10, July 2010
- 45 Ali Mohammad Kimiagari, Mohsen Keyvanloo Shahrestanaki, Mehdi Fallahnezhad, Mohammad Hassan Moradi, Amir Barati Farimani, "Stock Price Forecasting using Higher Order Neural Networks ", IASTED Technology Conferences (MS,CA,WC,EME,SOE 2010, May 2010
- 46 Zahra Khaliliardali, Mohammad Hassan Moradi, "Emotion Recognition System Using Brain and Peripheral Signals: Using Correlation Dimension to Improve the Results of EEG ", International Joint Conference on Neural Networks,, June 2009
- 47 Farnaz Ghasemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Classification of sustained attention level based on morphological features of EEG's independent components ", IEEE/ICME International Conference on Complex Medical Engineering (CME 2009, April 2009
- 48 Farnaz Ghasemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Extracting principal components and determining critical questions in Connors ADHD questionnaire ", IEEE/ICME International Conference on Complex Medical Engineering (CME 2009, April 2009
- 49 Farnaz Ghasemi, Mohammad Hassan Moradi, Mehdi Tehrani-Doost, Vahid Abootalebi, "Combination of independent component analysis and feature extraction of ERP for level classification of sustained attention ", 4th International IEEE/EMBS Conference on Neural Engineering (NER, April 2009
- 50 Seyyed Mohamad Ali Riyazy, Farzad Towhidkha, Mohammad Hassan Moradi, Hasan Ali Sadafi, "Coding componential impedances in meridians and non-meridians based on differential frequency impedance minimality ", 15th Iranian Conference on Biomedical Engineering, February 2009
- 51 Zahra Khaliliardali, Mohammad Hassan Moradi, "Emotion detection using brain and peripheral signals ", , December 2008





- 52 Ahmad Mohammadian, Vahid Abootalebi, Mohammad Hassan Moradi, Mohammad Amin Khalilzadeh, "MULTIMODAL DETECTION OF DECEPTION USING FUSION OF REACTION TIME AND P300 COMPONENT ", 4th Cairo International Biomedical Engineering Conference 2008 (CIBEC08) ,18-20 December ,Egypt, December 2008
- 53 Mohammad Hassan Moradi, Seyede Samane Shojaie Langari, "An evolutionary artificial immune system for feature selection and parameters optimization of support vector machines for ERP assessment in a P300 based GKT " , , December 2008
- 54 Sohrab Saberi Moghaddam, Vahid Smaeili, Farzad Towhidkhan, Mohammad Hassan Moradi, "Predicting atrial fibrillation termination using ECG features, a comparison " , First International Symposium on Applied Sciences on Biomedical and Communication Technologies, 2008. ISABEL 08, October 2008
- 55 Elnaz Banan Sadeghian, Mohammad Hassan Moradi, "Fractal dimension for detection of ERD/ERS patterns in asynchronous brain computer interface " , , May 2008
- 56 Atieh Bamdadian, Farzad Towhidkhan, Mohammad Hassan Moradi, "Generalized predictive control of depth of anesthesia by using a pharmacokinetic pharmacodynamic model of the patient " , , May 2008
- 57 Amin Assareh, Mohammad Hassan Moradi, Lee Gwenn Volkert, "A Hybrid Random Subspace Classifier Fusion Approach for Protein Mass Spectra Classification " , Sixth European Conference on Evolutionary Computation, ML and Data Mining in Bioinformatics, March 2008
- 58 Saeed Kermani, Mohammad Hassan Moradi, "A new approach for quantification of 3D cardiac wall motion tracking using active mesh " , , February 2008
- 59 Elnaz Banan Sadeghian, Mohammad Hassan Moradi, "Detection of ERD/ ERS in single channel EEG with application in asynchronous BCI " , , February 2008
- 60 Hossein Parsaee, Mohammad Hassan Moradi, "Development and verification of artificial neural network classifiers for eye diseases diagnosis " , , February 2008
- 61 Elnaz Banan Sadeghian, Mohammad Hassan Moradi, "Combining spatial and spectral filters in ERD- based multiclass BCI " , , February 2008
- 62 Amin Mohammadian, Vahid Abootalebi, Mohammad Hassan Moradi, "Multimodal detection of deception using fusion of reaction time and P300 component " , , January 2008
- 63 Aboozar Taherkhani, S.Ali Seyyedsalehi, Mohammad Hassan Moradi, "Nonlinear Signal Processing for Voice Disorder Detection by Using Modified GP Algorithm and Surrogate Data Analysis " , , December 2007
- 64 Mohammad Hassan Moradi, "Evaluating PACS Technology Situation in Iran " , , September 2007
- 65 Mohammad Hassan Moradi, "PACS Development in Asia " , , September 2007
- 66 Amin Assareh, Mohammad Hassan Moradi, "A Novel Ensemble Strategy for Classification of Prostate Cancer Protein Mass Spectra " , , August 2007
- 67 Elnaz Banan Sadeghian, Mohammad Hassan Moradi, "Continuous detection of motor imagery in a four class asynchronous BCI " , , August 2007
- 68 Elnaz Banan Sadeghian, Mohammad Hassan Moradi, "Continuous detection of motor imagery in a four class asynchronous BCI " , , August 2007
- 69 Ayoub Daliri, Sajad Jafari, Mohammad Hassan Moradi, "The use of adaptive dynamical fuzzy modeling for HRV prediction " , , August 2007
- 70 Aboozar Taherkhani, S.Ali Seyyedsalehi, Mohammad Hassan Moradi, "Nonlinear Signal Processing for Voice Disorder Detection by Using Modified GP Algorithm and Surrogate Data Analysis " , , July 2007
- 71 Ayyoub Jafari, Mohammad Hassan Moradi, "Using supervised fuzzy clustering and CWT for ventricular late potentials (VLP) detection in high resolution ECG signal " , , June 2007
- 72 Mohammadreza Kamrani, Mohammad Hassan Moradi, "Extraction of evoked potential by principal component analysis " , , May 2007

- 73 Fatemeh Bakouie, Mohammad Hassan Moradi, "Genetic regulatory network modeling using network component analysis and fuzzy clustering ", , April 2007
- 74 Amin Assareh, Mohammad Hassan Moradi, "Extracting Efficient Fuzzy If-Then Rules From Mass Spectra of Blood Samples To Early Diagnosis of Ovarian Cancer ", , April 2007
- 75 [en-name N/A], Amin Assareh, Mohammad Hassan Moradi, "Designing a Fuzzy Rule Based System to Estimate Depth of Anesthesia ", , April 2007
- 76 Amin Assareh, Mohammad Hassan Moradi, "KNOWLEDGE ACQUISITION FROM MASS SPECTRA OF BLOOD SAMPLES USING FUZZY DECISION TREE AND GENETIC ALGORITHM ", , February 2007
- 77 [en-name N/A], Mohammad Hassan Moradi, "Diagnosis of Prostate Cancer by Wavelet Based Feature Extraction Method Using Blood Proteomic Patterns ", , February 2007
- 78 Fatemeh Bakouie, Mohammad Hassan Moradi, "Genetic regulatory network modeling using network component analysis and fuzzy clustering ", , January 2007
- 79 Mohammad Hassan Moradi, "Ovarian Cancer Diagnosis Using Discrete Wavelet Transform Based Feature Extraction from Serum Proteomic Patterns ", , December 2006
- 80 Mohammad Hassan Moradi, "Classification of Individuals at Risk for Alcoholism using Non-matching ERPs based on Wavelet Statistic Features and Artificial Neural Network ", , December 2006
- 81 Fatemeh Bakouie, Mohammad Hassan Moradi, "A comparison of clustering methods affection on genetic regulatory networks ", , December 2006
- 82 Seyedeh Fatemeh Molaeezadeh, Mohammad Hassan Moradi, "A new non- parametric method for estimating missing value in microarray data by fo clustering ", , December 2006
- 83 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, "Image Sifting for Micro Array Image Enhancement ", , November 2006
- 84 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, "Microarray Image Segmentation Using a Novel Approach ", , November 2006
- 85 Seyedeh Fatemeh Molaeezadeh, Mohammad Hassan Moradi, "An Evaluation of Gene Ranking Methods by Gene Ontology ", , November 2006
- 86 Mohammad Hassan Moradi, "TWO DIMENSIONAL ECG COMPRESSION USING SPIHT AND SEC ", , August 2006
- 87 Pooria Jafari Moghadam Fard, Mohammad Hassan Moradi, [en-name N/A], "Eye Tracking Using a Novel Approach ", , August 2006
- 88 Mahmud Saeidi, Mohammad Hassan Moradi, "Mixed Noise Reduction in Image Sequences Using a new Fuzzy Method ", , May 2006
- 89 Roozbeh Behroozmand, Farshad Almasganj, Mohammad Hassan Moradi, "Pathological Assesment of Vocal Fold Nodules and Polyp Using Acoustic perturbation and Phase Space Feature ", , May 2006
- 90 , Mohammad Hassan Moradi, Ali Motienasrabadi, "implementing of SPIHT and sub-band energy compression method on two-dimentional ECG ", , September 2005
- 91 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "High Performance Method for Electrocardiogram compression using two dimentional wavelet ", , August 2005
- 92 , Mohammad Hassan Moradi, Vahid Reza Nafisi, "A multi steps algorithm for sperm segmentation microscopic image ", , April 2005
- 93 Vahid Reza Nafisi, Mohammad Hassan Moradi, [en-name N/A], "Sperm Identification Using Elliptic Model and Tail Detection ", , March 2005
- 94 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "electrocardiogram signal compression using multiwavlet transform ", , March 2005

- 95 Reza Hasanzadeh Pak Rezaei, Mohammad Hassan Moradi, S.H.H. Sadeghi, "Fuzzy clustering to the detection of defects from nondestructive testing ", 3rd international conference :sciences of electronic technologies of information and telecommunications (setit 2005), March 2005
- 96 Hamidreza Rashidy Kanan, Mohammad Hassan Moradi, "A genetic algorithm based method for face localization and pose estimation ", , March 2005
- 97 Reza Hasanzadeh, Mohammad Hassan Moradi, "Fuzzy clustering to the detection of the detection of defects from nondestructive testing ", , March 2005
- 98 Mohammad Hassan Moradi, "Retinal Implants ", , December 2004
- 99 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "On the choice of most Efficient multiwavelet for ECG compression ", , September 2004
- 100 Ali Abdollahzadeh Milani, Mohammad Hassan Moradi, "Removing ECG from 3 channels EEG using independent component analysis I (A) ", , September 2004
- 101 Ali Abdollahzadeh Milani, Mohammad Hassan Moradi, "P300 recognition in multi channel eeg using wavelets features with ica preprocessing ", , September 2004
- 102 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "A novel approach for ECG compression using 2 _D wavelet transform ", , September 2004
- 103 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "Appropriate choice of multiwavelet and prefiltering methods for the compression of electro cardiogram ", , September 2004
- 104 Morteza Moazami Goudarzi, Mohammad Hassan Moradi, "On the choice of most Efficient multiwavelet and prefiltering method for ECG compression ", , August 2004
- 105 Mohammad Reza Reza Zadeh Masuleh, Mohammad Hassan Moradi, "Network virtual environment ", , August 2004
- 106 Soroosh Solhjoo, Mohammad Hassan Moradi, "Mental task recognition a comparison between some classification methods ", , April 2004
- 107 [en-name N/A], [en-name N/A], Mohammad Hassan Moradi, [en-name N/A], "Multi-Channel simulation of long term surface EMG, with consideration of Both Geometric Parameters and tissue Non-Homogeneity Form Muscle to skin ", , August 2003
- 108 Javad Taebi, Farzad Towhidkhan, Mohammad Hassan Moradi, "MAC Neural Network control of Mean Pressure and Cardiac Output in CHF Patients ", , June 2002
- 109 Mahdy Taebi, Farzad Towhidkhan, Mohammad Hassan Moradi, "CMAC Neural Network control of Mean Arterial Pressure and cardiac output in congestive Heart Failure Patients ", , November 2001
- 110 Payam Yeganeh, Mohammad Hassan Moradi, Ali Rashad, "Enhancement of signal to Noise Ratio using Bispectrum: A Quantitative Analysis for very low SNR ", , October 2001
- 111 Mohammad Hassan Moradi, Payam Yeganeh, "Enhancement of Signal to Noise Ratio Using Bispectrum : ABR Signal Estimation Application ", , March 2001
- 112 Mohammad Hassan Moradi, [en-name N/A], "ECG compression using 2 _D wavelet packet transform ", , July 2000
- 113 Mohammad Hassan Moradi, Hossien Zand, "on a neuro - fuzzy controller for high degree of freedom robot manipulator ", , January 1998

Taught Courses

#	Course title	Description	Headlines	Date
1	Bio-Instrumentation	آشنایی با اصول پایه، مبانی و جدیدترین روشهای اندازه گیری کمیت‌های پزشکی، کمک به کار کردن با وسایل، تجهیزات و دستگاه‌های پزشکی، کمک به ایجاد		Fall 2021

2	Recording and Analysis of Biological Signals	Familiarity with different types of medical signals What are the issues with receiving and processing these signals? Familiarity with medical signal processing applications Familiarity with basic basic processing algorithms Familiarity with how to		Fall 2021
3	Medical Data Mining	,Acquaintance With both theoretical and practical coverage of all data mining topics , What is Data Mining ,Acquaintance , Selection and Application With Medical data mining Methods		Spring 2021
4	Biological Signal Processing	سیگنالهای پزشکی چه هستند ؟ چه مسائلی در ارتباط با دریافت و پردازش این سیگنالها وجود دارند؟ آشنایی با روشهای پایه و رایج در پردازش سیگنا		Spring 2021
5	Bio-Instrumentation	آشنایی با اصول پایه ،مبانی و جدیدترین روشهای اندازه گیری کمیت‌های پزشکی،کمک به کار کردن با وسایل ،تجهیزات ودستگاههای پزشکی،کمک به ایجاد ا		Fall 2020