



Hamid Hassanpour , Professor,

Faculty of Computer Engineering & Information Technology,
Shahrood University of Technology, P.O. Box 316, Shahrood,
Iran

email: h.hassanpour@shahroodut.ac.ir

h_hassanpour@yahoo.com

Tel: +98 911 112 8380

Education:

Ph. D. [Queensland University of Technology](#), Brisbane, Australia, 2004, Thesis title: "Time-Frequency Based Detection of Newborn EEG Seizure".

M. Sc. [Amirkabir University of Technology](#), Tehran, Iran, 1996, Thesis title: "Design of an Automatic Farsi Syntax Analyser".

B. Sc. [Iran University of Science and Technology](#), Tehran, Iran, 1993, Project title: "Design of a 24-bit Microprocessor Using Microprogramming".

Academic Experience:

- Full Professor, Department of Computer & Information Technology, Shahrood University of Technology, Shahrood, Iran, since 2012.
- Associate Professor, Department of Computer & Information Technology, Shahrood University of Technology, Shahrood, Iran, 2008-2012.
- Assistant Professor, Computer Engineering, Department of Electrical Engineering, University of Mazandaran, Babol, Iran, 2004-2008.
- Editor-in-Chief, **Journal of AI and Data Mining**, University of Shahrood, Iran, Since 2012.
- Member, Editorial Advisory Board, **International Journal of Engineering**, Iran, Since 2011.
- Member, Editorial Board, **Iranica Journal of Energy & Environment**, Iran, Since 2010.
- Technical Chair, The 6th Conference on Information and Knowledge Technology, Shahrood, Iran, 2014.
- Member, Executive Director, Journal of Advances in Computer Research, Since 2010.
- Member of Technical Program Committee for the 6th International Workshop on Signal Processing and Its Applications.
- Keynote Speaker, 5th Conference on Basic Science, Ghaemshar, Iran, 2006.
- Reviewer: B. Boashash **Digital signal processing**, Brisbane : Queensland University of Technology, 2004.
- Reviewer: B. Boashsh **Modern signal processing**, Brisbane : Queensland University of Technology, 2004.
- Technical member for the Fifth Australian Workshop on Signal Processing (WoSPA'02), Australia, 2002.
- Research Assistant: School of Electrical and Electronic Systems Engineering, Queensland University of Technology, Brisbane, Australia, 2003-2005.

- Teaching Assistant: Faculty of Information Technology, Queensland University of Technology, Brisbane, Australia, 2000-2004.
- Lecturer: Department of Computer Engineering, Azad University, Sari, Iran, 1996-2000.

Technical Areas of Interest:

- Data Mining
- Biomedical Signal Processing
- Time-Frequency Signal Processing and Analysis
- Text Syntax Analysing
- Image Processing
- Artificial Neural Networks

Academic Positions:

- Dean, Faculty of Computer Engineering & IT, Shahrood University of Technology, Shahrood, Iran, 2010-Present.
- Director, Computer Laboratory, Department of Computer & Electrical Engineering, Babol University of Technology, Babol, Iran, 2006 – 2008.
- Dean of Computing, Babol University of Technology, 2006-2009.
- Member, Research Committee, Iran Telecommunication, Mazandaran, 2006-2008.
- Member, ICT Promotion Board, Semnan Science & Technology Park, Semnan, Iran, 2005-2006.

Honors and Awards:

- Distinguished Professor of the Year in Research, Faculty of Computer Engineering & IT, Shahrood University of Technology , Shahrood, Iran, 2009~2013.
- Distinguished as the Celebrated Research Scientist in the Province of Mazandaran, Iran, 2008
- Distinguished Professor of the Year in Research, Department of Computer & Electrical Engineering, Babol University of Technology, Babol, Iran, 2006-2007.

Courses Taught:

❖ *Undergraduate*

- Assembly Language Programming
- Computer Architecture
- Data Structure
- Information Storage and Retrieval
- Signal & System

❖ *Postgraduate*

- Digital Signal Processing
- Advanced Digital Signal Processing
- Random Process
- Advanced Microprocessor
- Neural Networks
- Machine Learning
- Digital Image Processing
- Advanced Digital Image Processing

Patent:

B. Zehtabian, H. Hassanpour, and A. Zehtabian, “Versatile Data Emulator”, *I.R. Iran National Patent* 71353, September 2011.

H. Hassanpour, and S. Asadi, “Image Enhancement Using Gamma Correction”, *I.R. Iran National Patent* 78949, March 2013.

Publication:

Books and Book Chapters

[7] M. Ghasemzadeh, H. HASSANPOUR and M.R. Meybodi, *Formal Languages and Automata*, University of Shahrood, Shahrood, Iran, 2013. (*Translation to Persian*)

[6] A. Zehtabian, H. HASSANPOUR , S. Zehtabian, ”Singular Vector Based Approaches for Speech Enhancement” in *Signal Processing: New Research (Engineering Tools, Techniques and Tables)*, Nove Publisher, New York, 2013. (ISBN **978-162-8081-41-1**)

[5] H. HASSANPOUR and H. Bozorgian, *Specialized English for Computer Engineering*, Mehrjad Publisher, 2013. (ISBN 978-964-7668-95-8)

[4] H. HASSANPOUR , H. Yousefian, and A. Zehtabian, “Pixon-Based Image Segmentation” in *Image Segmentation*, Intech Open Access Publisher, 2011. (ISBN 978-953-307-228-9)

[3] H. HASSANPOUR , *Newborn EEG Seizure Detection*, Lambert Academic Publishing, 2009.

[2] H. HASSANPOUR and M. Mansoori , *Internet and The advanced techniques for Information Retrieval* , Mazandaran Institute of Technology, 2008.

[1] H. HASSANPOUR , *Easy Learning Assembly Language Programming* , Shelfein, Sari, 2005.

Journal Papers

- [65] H. Khosravi, H. Hassanpour “Image Denoising Using Anisotropic Diffusion Equations on Reflection and illumination Components of Image”, *International Journal of Engineering*.(*accepted*)
- [64] H. Azami, H. Hassanpour, J. Escudero, and S. Sanei “An Intelligent Approach for Variable Size Segmentation of Non-stationary Signals”, *Journal of Advanced Research*.(*accepted*)
- [63] A. Gholami, H. Hassanpour “**Common Spatial Pattern for Human Identification Based on Finger Vein Images in Radon Space**”, *Journal of Advances in Computer Research*. (*accepted*)
- [62] F. Akbarzadeh, H. Hassanpour, and S. Emamgholizadeh “Groundwater level prediction of Shahrood plain using RBF Neural Networks”, *Journal of Watershed Management Research*. (*in Persian*) (*accepted*)
- [61] H. Azami, H. Hassanpour, and M. Anisheh “**An Improved Automatic EEG Signal Segmentation Method based on Generalized Likelihood Ratio**”, *International Journal of Engineering*, vol 27, no 7, 2014.
- [60] N. Nowrouzian, H. Hassanpour, “Image Zooming using non-Linear Partial Differential Equation”, *International Journal of Engineering*, vol 27, no 1, 2014.
- [59] H. Dehghan, Ali A. Pouyan, H. Hassanpour, “Detection of Alzheimer’s Disease Using Multitracer Positron Emission Tomography Imaging”, *International Journal of Engineering* vol 27, no 1, 2014.
- [58] H. Hassanpour, S. Madani “ Improving Accuracy of Document Clustering in Farsi Using Farse-Net Ontology”, *Journal of Soft Computing and Information Technology*.(In Persian) (In Press)
- [57] E. Moudi, S. Haghanifar, H. Hassanpour, A. Bijani, M. Amouzadeh Omran, “Performance Evaluation of Three Versions of Software Designed to Detect Mach Band Effect”, *Journal of Babol University of Medical Sciences*, vol 15, no 4, July 2013. (in Persian) .
- [56] H. Hassanpour, A. Rezaeian, “Design and Implementation of a Specialized Meta Search Engine for Medical Information Retrieval”, *Journal of Soft Computing and Information Technology*. (in Persian) (In Press)
- [55] H. Hassanpour, A. Rostami Ghadi, “Image Enhancement Via Reducing Impairment Effects on Illumination and Reflection components”, *Journal of Signal and Data Processing*, vol 1, no 15, 2012. (in Persian) .
- [54] Hamed Azami, Saeid Sanei, Karim Mohammadi, Hamid Hassanpour, “A hybrid evolutionary approach to segmentation of non-stationary signal”, *Digital Signal Processing, Elsevier*, vol 3, no, 4, pp 1103–1114, 2013.
- [53] E. Nadernejad, H. Hassanpour, and H. M. Naimi, “High-speed MRF-based segmentation algorithm using pixonal images”, *The Imaging Science Journal, Maney Publishing*, vol 61, pp 592–600, 2013.
- [52] H. Hassanpour, A. Ghanbari, “ Tracking of people in cameras with disjoint views based on histogram of various segments of human body”, *Journal of Soft Computing and Information Technology*, vol 1, no 2, pp. 19-28, 2013.(In Persian)

- [51] M. Mansoori, H. Hassanpour, "Investigating Embedded Question Reuse in Question Answering", *International Journal of Engineering*, Vol. 26, No 3, 245-256 , 2013.
- [50] H. Hassanpour, A. Rostami Ghadi, "Image Enhancement Via Reducing Impairment Effects on Image Components" , *International Journal of Engineering*, Vol. 26, No 83, 921 - 930 , 2013.
- [49] S. Khodabakhshi, H. Hassanpour "Automatic Lane Extraction in Hemoglobin and Serum Protein Electrophoresis Using Image Processing" , *Journal of Advances in Computer Research*, vol 3, no 4, 2012.
- [48] R. Ahmadi, B. Rahimpour, and H. Hassanpour " Automatic Data Migration between Two Databases with Different Structure" , *International Journal of Applied Information Systems*, vol 3, no 3, 2012.
- [47] M. Mansoori and H. Hassanpour, "BOOSTING PASSAGE RETRIEVAL THROUGH REUSE IN QUESTION ANSWERING" , *International Journal of Engineering*, vol 25, no 3, pp. 187-196, 2012.
- [46] H. Dehghan, H. Hassanpour, A. Pouyan, "ROI Analysis Using Harvard-Oxford Atlas in Alzheimer's Disease Diagnosis Based on PCA" , *Iranica Journal of Energy and Environment (IJEE)*, vol 3, no 3, pp. 255-258, 2012.
- [45] M. Gholipour, S. Emamgholizadeh, H. Hassanpour, D. Shahsavani, H. Shahoseini, M. Baghi, A. Karimi, "The optimization of root nutrient content for increased sugar beet productivity using an artificial neural network" , *International Journal of Plant Production*, vol 6, no 4, 2012.
- [44] S. Asadi and H. Hassanpour, M. Shahiri, and R. Ghaderi "Detection of Microaneurysms in Retinal Angiography Images Using the Circular Hough transform" , *Journal of Advances in Computer Research*, vol 3, no. 1, pp. 1 -12, 2012.
- [43] H. Hassanpour, A. Zehtabian, and S. J. Sadati "Time domain signal enhancement based on an optimized singular vector denoising algorithm" , *Digital Signal Processing, Elsevier*, vol 22, no 5, pp. 786-794, 2012.
- [42] L. Mokhtarpour and H. Hassanpour, "A Self-Tuning Hybrid Active Noise Control System" , *Journal of Franklin Institute*, vol 349, no 5, pp. 1904-1914, 2012.
- [41] S. Asadi and H. Hassanpour, "A Preprocessing Approach For Image Analysis Using Gamma Correction" , *International Journal of Computer Applications*, vol 38, no 12, pp. 38-46, 2012.
- [40] B. Rahimpour Cami and H. Hassanpour, "A Reputation-Based Trust Model with Fuzzy Approach and Dp,q-Distance Technique for Peer-to-Peer Networks" , *International Journal of Computer Applications*, vol 37, no 12, pp. 41-44, 2012.
- [39] H. Hassanpour and S. Asadi, "Image Enhancement Using Gamma Information" , *Journal of Signal and Data Processing*, vol 1, no 15, 2012. (in Persian)
- [38] M. Anisheh and H. Hassanpour , "Designing an Approach for Network Traffic Anomaly Detection" *International Journal of Computer Applications*, vol 37, no 3, pp. 49-55, 2012.
- [37] H. Hassanpour and F. Zahmatkesh, " An Adaptive Meta-Search Engine Considering the User's Field of Interest" , *Journal of King Saud University - Computer and Information Sciences, Elsevier*, vol 24, pp. 71-81, 2012.

- [37] M. Yadollahzadeh, H. Hassanpour and F. Movaghar, "Proposing a Distributed Model For Intrusion Detection in Mobile Ad-hoc Network Using Neural fuzzy Interface", *Journal of Advances in Computer Research*, vol 2, no 2, pp. 85-96, 2011.
- [36] H. Hassanpour and B. Boashash, "A Time-frequency Approach For EEG Spike Detection", *Iranica Journal of Energy and Environment (IJEE)*, vol 2, no 4, pp. 390-395, 2011.
- [35] H. Hassanpour and S. Asadi, "Image Quality Enhancement Using Pixel-Wise Gamma Correction Via SVM Classifier", *International Journal of Engineering*, Vol. 24, No. 4, pp. 301-311, 2011.
- [34] A. Sadeghi and H. Hassanpour " A New Method to Secondary Caries Detection in Restored Teeth", *International Journal of Computer Applications*, Vol. 2, no 9, 2011.
- [33] H. Azami, K. Mohammadi, H. Hassanpour, "An Improved Signal Segmentation Method using Genetic Algorithm", *International Journal of Computer Applications*, Vol. 29, no 8, pp. 5-9, 2011.
- [32] M. Khaki Jameil, R. Enayatifar, and H. Hassanpour, "Hybrid model of chaotic signal and complete binary tree for image encryption", *International Journal of the Physical Sciences*, Vol. 6, no 4, pp. 837-842, 2011.
- [31] H. Hassanpour, A. Darvishi, and A. Khalili, "A Regression-based Approach for Measuring Similarity in Discrete Signals", *International Journal of Electronics*, Vol. 98, no 9, pp. 1141-1156, September 2011.
- [30] A. Zehtabian and H. Hassanpour, "Optimized Singular Vector Denoising Approach for Speech Enhancement", *Iranica Journal of Energy & Environment*, Vol. 2, no 2, pp. 166-180, 2011.
- [29] H. Hassanpour, M. Sedighi and A. R. Manashty, "Video Frame's Background Modeling: Reviewing the Techniques", *Journal of Signal and Information Processing*, Vol. 2, pp. 72-78, 2011.
- [28] M. Anisheh, H. Hassanpour, "Designing an Adaptive Approach for Segmenting Non-stationary Signals", *International Journal of Electronics*, Vol. 98, no 8, pp. 1091-1102, August 2011.
- [27] H. Hassanpour and H. Yousefian, "An Improved Pixon-Based Approach for Image Segmentation", *International Journal of Engineering*, Vol. 24, No. 1, 2011.
- [26] S. Asadi, H. Hassanpour, A.K. Pouyan, "Texture Based Image Enhancement Using **Gamma** Correction", *Middle East Journal of Scientific Research*, Vol. 6, No. 6, pp. 569-574, 2010.
- [25] M. Anisheh, H. Hassanpour, "Using Fractal Dimension for EEG Spike Detection", *Middle East Journal of Scientific Research*, Vol. 6, No. 4, pp. 371-376, 2010.
- [24] M. Nikpour, H. Hassanpour, "Using Diffusion Equations for Improving Performance of Wavelet-based Image Denoising Techniques", *IET Image Processing*, Vol. 4, No 6, pp. 452-462, 2010.
- [23] E. Nadernejad, H. Hassanpour, and H. Miar, "Image Segmentation Using statistical Features and Block Processing", *Journal of electrical Engineering, Tabriz University*, vol. 37, no 1, 2009. (in Persian)

- [22] S.M. Anisheh, H. Hassanpour, "Adaptive Segmentation With Optimal Window Length Scheme Using Fractal Dimension and Wavelet Transform", *International Journal of Engineering*, Vol. 22, No. 3, pp 257-268, 2009.
- [21] M. Nikpour, E. Nadernejad, H. Ashtlani, H. Hassanpour, "Using PDE's for Noise Reduction in Time Series", *International Journal of Computing and ICT Research*, Vol. 3, No. 1, June 2009.
- [20] P. Davari and H. Hassanpour, "Designing a New Robust On-line Secondary Path Modeling Technique for Feedforward Active Noise Control Systems", *Signal Processing*, vol. 89, no. 6, pp. 1195-1204, 2009.
- [19] P. Davari, H. Hassanpour, "A self-tuning feedforward active noise control system", *IEICE Electron. Express*, Vol. 6, No. 5, pp. 230-236, 2009.
- [18] H. Hassanpour and P. Davari, "An efficient online secondary path estimation for feedback active noise", *Digital Signal Processing*, vol. 19, no. 2, pp. 241-249, 2009.
- [17] A. Zehtabian and H. Hassanpour, "A Non-destructive Approach for Noise Reduction in Time Domain", *World Applied Sciences Journal*, Vol. 6, No. 1, pp. 53-63, 2009.
- [16] M. Mansoori and H. Hassanpour, "Computer Performance Evaluation and Comparison Using Benchmarks", *Journal of Numerical Simulation in Engineering*, (in press).
- [15] P. Davari and H. Hassanpour, "An Optimized Online Secondary Path Modelling Method for Single-Channel Feedback ANC Systems", *International Journal of Engineering*, Vol. 22, No. 1, pp 1-12, 2009.
- [14] H. Hassanpour, E. Nadernejad, and H. Miar, "An Efficient Approach for Image Segmentation Using", *Journal of Engineering Materials*, vol. 1, no. 3, pp 241-253, 2009. (in Persian).
- [13] H. Hassanpour and P. P. M. Farahabadi, "Using Hidden Markov Models for Paper Currency Recognition", *Expert Systems With Applications*, no 36, pp. 10105-10111, 2009.
- [12] H. Hassanpour and M. Nikpour, "An Adaptive Diffusion Factor for Image Noise Reduction Using Partial Differential Equation", *Iranian Journal of Electrical and Computer Engineering*, no 6, pp. 301-307, 2008. (in Persian)
- [11] P. Davari and H. Hassanpour, "A Robust Feedforward Active Noise Control System with a Variable Step-Size FxLMS Algorithm: Designing a New Online Secondary Path Modelling Method", *International Journal of Engineering*, Vol. 21, no. 3, pp. 231-242, 2008.
- [10] H. Ghoreishi, F. Zare, and H. Hassanpour, "CONTROLLING COMMON-MODE VOLTAGES IN MULTILEVEL INVERTERS", *International Journal of Engineering*, Vol. 21, no 3, pp. 243-254, 2008.
- [9] P. Davari and H. Hassanpour, "A New Technique for Online Secondary Path Modelling in Feedforward Active Noise Control Systems", *International Journal of Nonlinear Dynamics in Engineering and Sciences*, Vol. 1, No. 1, pp. 21-37, 2008.
- [8] E. Nadernejad, S. Sharifzadeh, and H. Hassanpour, "Edge Detection Techniques : Evaluations and Comparisons", *Applied*

Mathematical Sciences, , Vol. 2, no. 31, 1507 - 1520 , 2008.

[7] H. Hassanpour , "How a Student Can Get the Most From a University" , *European Journal of Scientific Research* , Vol. 23, No. 3, pp. 482-484 , 2008.

[6] H. Hassanpour and M. Razzazi , "Design and implementation of a software system for detecting orthographical or morphological errors in Persian words" , *International Journal of Engineering, Transaction B: Applications*, Vol. 20, no 2 , pp. 127- 132, 2007.

[5] H. Hassanpour and M. Mesbah , "Newborn EEG Seizure Detection Based on Interspike Space Distribution in the Time-frequency Domain" , *International Journal of Engineering, Transaction A: Basics*, Vol. 20, no 2 , pp 137-146 , 2007.

[4] H. Hassanpour , "A Time-Frequency Approach for Noise Reduction" , *Digital Signal Processing* , no. 18, pp. 728-738, 2007.

[3] E. Nadernejad, H. Hassanpour, and H. Miar , "Image Restoration Using a PDE-based Approach" , *International Journal of Engineering, Transaction B: Applications* , Vol. 20, no. 3, pp. 225-236 , 2007.

[2] H. Hassanpour, M. Mesbah and and B. Boashash , "Time-Frequency Feature Extraction of Newborn EEG Seizure Using SVD-Based Techniques" , *EURASIP Journal on Applied Signal Processing*, no. 16 , pp. 2544-2554 , 2004.

[1] H. Hassanpour, M. Mesbah and and B. Boashash , "Time-frequency based newborn EEG seizure detection using low and high frequency signatures" , *Physiological Measurement*. vol. 25 , pp. 935-944 , 2004.

Conference Papers

[75] N. Nowroozian and H. Hassanpour, "Evaluation and Performance Comparison of Existing Image Zooming Approaches", The First Iranian Conference on Pattern Recognition and Image Analysis, March 6-8, 2013. (in Persian)

[74] M. YadollahZadeh, A. Pouyan, H. Hassanpour, A. Movagar, S. Saleki, "Proposing a light weight semi-distributed IDS for mobile ad-hoc network based on nodes' mode", The Six International Symposium on Telecommunications with emphasis on Information & Communication Technology, Tehran, Iran, Nov. 2012.

[73] M. Zarei, A. Nikoo, A. Roshandel Kahoo, H. Siahkoohi, and H. Hassanpour, "Sensitivity of deconvolutive short time Fourier Transform and reduced interference distribution to layer thickness, *Fifteenth Geophysics Conference of Iran*, pp. 72-75, May 2012. (in Persian)

[72] A. Nikoo, M. Zarei, A. Roshandel Kahoo, and H. Hassanpour, "Low Frequency Shadow Identification Using Reduced Interference Distribution Method, *Fifteenth Geophysics Conference of Iran*, pp. 22-25, May 2012. (in Persian)

[71] F. Zahmatkesh, and H. Hassanpour, "Designing a Meta-Search Engine Considering the User's Field of Interest", *5th Symposium on Advances in Science & Technology (SASTECH)*, Mashhad, Iran, 2011.

[70] R. Yousefzadeh, and H. Hassanpour, "Pedestrian Tracking Through Camera Network With Disjoint Views", *Third International Conference on Machine Learning and Computing (ICMLC)*, Singapore, 2011.

- [69] A. Rezaeian, and H. Hassanpour, "Design and Implementation of Medical Meta Search Engine", *Third International Conference on Machine Learning and Computing (ICMLC)*, Singapore, 2011.
- [68] H. Hassanpour, S. Asadi, and A. Pouyan, "Automatic Image Enhancement Improvement Using Gamma Correction", *Third National Conference on Computer Engineering & Information Technology*, Hamedan, Iran, 2011. (in Persian)
- [67] I. Babagoli, and H. Hassanpour, "Managing Cohort Movement of Mobile Sensor via GPS-Free and Comapss-Free Node Localization", *First Int. Conference on Communications Engineering*, Zahedan, Iran, 2010.
- [66] H. Hassanpour, M. Dehghani, and Y. Keneshloo, "Personalizing Search Engine Result Using User Interests", *Iran Data Mining Conference*, 2010.
- [65] E. Hasanzadeh and H. Hassanpour, " PSO Algorithm for Text Clustering Based On Latent Semantic Indexing", *Iran Data Mining Conference*, 2010.
- [64] A. Zehtabian, H. Hassanpour, S. Zehtabian, and V. Zarzoso, "Anovel Speech Enhancement Approach Based on Singular Value Decomposition and Genetic Algorithm", *International Conference on Soft Computing and Pattern Recognition (SocPar)*, France, pp. 430- 435, 2010.
- [63] H. Hassanpour and H. Dehghan, "Neonate Facial Gender Classification Using PCA & Fuzzy Clustering", *17th Iranian Conference on Biomedical Engineering (ICBME)*, Isfahan, Iran, 2010.
- [62] M. Karimi, M. Banejad, H. Hassanpour, A. Moeini, "Power System Faults Classification With Pattern Recognition Using Neural Network", *The 6th International Conference on Technical and Physical Problems of Power Engineering (ICTPE)*, Tabriz, Iran, 2010.
- [61] M. Karimi, M. Banejad, H. Hassanpour, A. Moeini, "Classification of Power System Faults Using ANN Classifiers", *The 9th International Power and Energy Conference (IPEC)*, Singapore, 2010.
- [60] M. YadolahZadeh, A. Movagar, H. Hassanpour, "A distributed Architecture for Intrusion Detection in Mobile Ad-Hoc Network", *The 1st Iranian Conference on Cyberspace, Security Incidents and Vulnerabilities*, 2009. (in Persian)
- [59] . YadolahZadeh, A. Movagar, H. Hassanpour, "Intrusion Detection in Mobile Ad-Hoc Network Using Fuzzy Neural Network", *Iran Data Mining Conference*, 2009. (in Persian)
- [58] B. Farshbaf and H.Hassanpour, "A Locally-Adaptive Approach For Image Gamma Correction", *International conference on Infomation Science , Signal Processing and their Applications (ISSPA)*, Kuala Lumpur, 2010.
- [57] H. Hassanpour, G.A. Rezai Rad, H. Yousefian, A. Zehtabian "A novel pixion-based approach for image segmentation using wavelet thresholding method" , *The International Conference on Image Analysis and Recognition (ICIAR)*, LNCS 5627, pp. 191–200, 2009.
- [56] A. Zadsar, H. Hassanpour, V. Ahmadi , "Roughness Measurement of Semiconductors substrate in Nanometer Range by Using the Light Scattering Properties" , *2nd International Congress on Nanoscience & Nanotechnology* , October 2008.

- [55] S. Ashouri and H. Hassanpour , "Blind Signal Separation Using a New Extended Infomax Algorithm" , *Third INTERNATIONAL CONFERENCE ON MODELING, SIMULATION AND* , 2009.
- [54] M. M. Sanaatiyan and H. Hassanpour , "DISTRIBUTED MECHATRONICS SYSTEMS: NETWORK ROBOTICS AS AN APPLIED ENVIRONMENTAL APPLICATION " , *9th International Workshop on Research and Education in Mechatronics* , Bergamo, Italy , 2008.
- [53] Pooya Davari and Hamid Hassanpour , "A Robust Online Secondary Path Modelling Method" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [52] Hamid Hassanpour, S. Jalil Sadati, and amin zehtabian , "AN SVD-BASED APPROACH FOR SIGNAL ENHANCEMENT IN" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [51] Hamid Hassanpour and Ehsan Nadernejad , "A Pixon-Based Approach for Improving the Fuzzy C-mean Algorithm in Image Segmentation" , *13th International CSI Computer Science* , 2008.
- [50] Hamid Hassanpour and S. Mahmood Anisheh , "Adaptive Segmentation Using Fractal Dimension" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [49] Pooya Davari and Hamid Hassanpour , "A New Feedback ANC System Approach" , *13th International CSI Computer Science* , 2008.
- [48] M. Salarian, E. Nadernejad, and H. Hassanpour , "Reducing the Blocking Effects in Fractal-Based Image Compression Using Diffusion Equation " , *13th International CSI Computer Science* , 2008.
- [47] Pooya Davari and Hamid Hassanpour , "A Variable Step-Size FxLMS Algorithm for Feedforward Active Noise Control Systems Based On a New Online Secondary Path Modelling Technique" , *The 6th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-08)* , 2008.
- [46] Pooya Davari and Hamid Hassanpour , "A High Performance Feedback ANC System" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [45] M. Nikpour, H. Hassanpour, and M. Ghasemzadeh , "Image Noise Reduction Using an Adaptive Diffusion Factor in Partial Differential Equation Technique" , *The 16th Iranian Conference on Electrical Engineering* , 2008.
- [44] Mehregan Mahdavi, Ali Babaei, and Hamid Hassanpour , "A TEST-BED IMPLEMENTATION OF A SIXTEEN-CHANNEL" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [43] Ehsan Nadernejad and Hamid Hassanpour , "Image segmentation using its statistical featur" , *13th International CSI Computer Science* , 2008.
- [42] Hamid Hassanpour and Ali Darvishi , "A NEW SIMILARITY MEASURE FOR SIGNAL PROCESSING" , *IEEE International Workshop on Signal Processing and Its Applications* , 2008.
- [41] Pooya Davari and Hamid Hassanpour , "Benefiting White Noise in Developing Feedforward Active Noise Control

Systems" , *13th International CSI Computer Science* , 2008.

[40] T.Mohammadpour, M. Karami, and H. Hassanpour, "An Efficient Method for ECG Compression with Thresholding of 2-D Wavelet Transform Coefficients and RLC", *Iran Data Mining Conference*, 2008.

[39] Pooya Davari and Hamid Hassanpour , "A New Online Secondary Path Modelling Method for Feedforward Active Noise Control Systems" , *IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY, Chengdu, China* , 2008.

[38] M. Salarian and H.Hassanpour, "A New Fast No Search Fractal Image Compression in DCT Domain", , *International Conference on Machine Vision*, Islamabad, Pakistan, pp. 62-66, 2007.

[37] E. Nadernejad and H.Hassanpour, "Evaluating Diffusion-Based Image De-noising Techniques", *International Conference on Intelligent and Advanced Systems, Kuala Lumpur, Malaysia*, 2007.

[36] R. Ghaderi, H. Hassanpour and M. Shahiri , "Retinal Vessel Segmentation Using the 2-D Morlet Wavelet and Neural Network" , *International Conference on Intelligent & Advanced Systems, Kuala Lumpur, Malaysia* , 2007.

[35] E. Nadernejad and H.Hassanpour , "A comparison and analysis of different PDE-based approaches for image enhancement" , *International Conference on Signal Processing and Communication Systems, Australia* , 2007.

[34] E. Nadernejad, H. Hassanpour, and M. Salarian , "Improving quality of fractal compressed images" , *International Conference on Machine Vision* , Islamabad, Pakistan, 56-61 , 2007.

[33] H. Ghoreishy, F. Zare, H. Hassanpour, and G. Ledwich , "A New Common-mode Voltage Reduction Technique for Multilevel Inverters" , *Australasian Universities Power Engineering Conference (AUPEC 2007), Perth, Australia* , pp. 62-67 , 2007.

[32] H. Hassanpour and M. Shahiri , "Adaptive Segmentation Using Wavelet Transform" , *EEE International Conference on Electrical Engineering (ICEE), Lahore, Pakistan* , 2007.

[31] H. Hassanpour, E. Nadernejad, and H. Miar , "Image Enhancement Using Diffusion Equations" , *International Symposium on Signal Processing and its Applications (ISSPA), Sharjah, UAE* , 2007.

[30] H. Hassanpour and M. Eshaghi , "ENHANCING THE TIME-FREQUENCY REPRESENTATION OF SIGNALS" , *12th Int. CSI Computer Conference, Tehran, Iran* , pp 2448- 2452 , 2007.

[29] E. Nadernejad, H. Miar, and H. Hassanpour , "A New Approach for Image Noise Redeuction" , *13th Iranian Conference on Biomedical Engineering, Tehran, Iran* , 2007.

[28] H.Hassanpour, A. Yaseri, and G. Ardesliri , "Feature Extraction for Paper Currency Recognition" , *International Symposium on Signal Processing and its Applications (ISSPA), Sharjah, UAE* , 2007.

[27] H. Hassanpour, E. Nadernejad, and H. Miar , "Image Noise Reduction Using Diffusion Equations" , *12th Int. CSI Computer Conference, Tehran, Iran* , , pp 1878- 1882 , 2007.

- [26] H. Hassanpour , "IMPROVED SVD-BASED TECHNIQUE FOR ENHANCING THE TIME-FREQUENCY REPRESENTATION OF SIGNALS" , *The IEEE International Symposium on Circuits and Systems (ISCAS), New Orleans, USA* , 2007.
- [25] H. Hassanpour and E. Hallajian , "Design and Implementation of a Software System for Detecting Orthographical or Morphological Errors in Persian Words" , *17th Conference on Computational Linguistics in the Netherlands* , 2007.
- [24] H. Hassanpour, E. Hallajian , "How to Improve the Quality of Learning at Universities" , *4th International Forum on Engineering Education, Sharjah, UAE* , 2006.
- [23] H. Hassanpour , "How Postgraduate Students can be Further Supported: Based on an interviewing the postgraduate students" , *4th International Forum on Engineering Education, Sharjah, UAE* , 2006.
- [22] H.Hassanpour and A. Parsaei , "Fetal ECG Extraction Using Wavelet Transform" , *CIMCA, Australia* , 2006.
- [21] H. Hassanpour and A. Parsaei , "Using Wavelet Transform for Fetal ECG Extraction" , *5th Conference on Basic Science, Iran, Ghaemshar* , 2006.
- [20] E. Nadernejad, H. Hassanpour, and H. Miar , "Image Enhancement Using Diffusion Equations" , *5th Conference on Basic Science, Iran, Ghaemshar* , 2006.
- [19] A. Yaseri, H. Hassanpour, G. Ardeshir , "A New Approach for Paper Currency Recognition Using Markovian Features" , *5th Conference on Basic Science, Iran, Ghaemshar* , 2006.
- [18] M. B., Malarvili Bala, H. Hassanpour, M. Mesbah and B. Boashash , "A HISTOGRAM-BASED ELECTROENCEPHALOGRAM SPIKE DETECTION" , *IEEE International Symposium on Signal Processing and Its Applications (ISSPA '05), Australia* , 2005.
- [17] H.Hassanpour and M. Razzazi , "Design of an intelligent system for analysing the structure of Persian statements" , *Conference on Intelligent Sysytems (CIS2005), Iran. (in Persian)* , 2005.
- [16] H. Hassanpour, L. Rankine, M. Mesbah and B. Boashash , "Comparative performance of Time-frequency based EEG spike detection technqiues" , *The 13th European Signal Processing Conference* , 2005.
- [15] L. Rankine, H. Hassanpour, M. Mesbah and B. Boashash , "EEG SIMULATION USING FRACTAL DIMENSION ANALYSIS" , *13th Iranian Conference on Electrical Engineering* , pp. 453-458 , 2005.
- [14] L. Rankine, H. Hassanpour, M. Mesbah and B. Boashash , "Newborn EEG Simulation from Nonlinear Analysis" , *International Symposium on Signal Processing and Its Applications (ISSPA '05), Australia* , pp 191-194 , 2005.
- [13] H.Hassanpour and M. Razzazi , "Design and implementation of a software system for detecting dictation or morphological errors in Persian words" , *Conference on Intelligent Sysytems (CIS2005), Iran , Iran . (in Persian)* , 2005.
- [12] H. Hassanpour, Mesbah and and B. Boashash , "Time-Frequency Feature Extraction of Newborn EEG Seizure Using SVD-Based Techniques " , *EURASIP Journal on Applied Signal Processing* , no. 16, pp. 2544-2554 , 2004.

- [11] H. Hassanpour, M. Mesbah and B. Boashash , "EEG spike detection using time-frequency signal analysis" , *International Conference on Acoustics, Speech, and Signal Processing* , vol. 5 , pp. V-421 - V-424 , 2004.
- [10] H. Hassanpour, M. Mesbah , "Neonatal EEG seizure detection using spike signatures in the time-frequency domain" , *International Symposium on Signal Processing and Its Applications* , vol. 2, pp. 41-44 , 2003.
- [9] H. Hassanpour, M. Mesbah and B. Boashash , "A time-frequency approach for spike detection" , *IEEE International Conference on Electronics, Circuits and Systems* , vol. 1, pp. 14-17 , 2003.
- [8] H. Hassanpour, M. Mesbah and B. Boashash , "Enhanced time-frequency features for neonatal EEG seizure detection" , *IEEE International Symposium on Circuits and Systems* , vol. 5, pp. 25-28 , 2003.
- [7] H. Hassanpour, M. Mesbah and B. Boashash , "Newborn EEG Seizure Detection Using the Low Frequency Signature in The Time-Frequency Domain" , *5th IFAC Symposium on Modelling and Control in Biomedical Systems* , pp. 329-333 , 2003.
- [6] H. Hassanpour, M. Mesbah and B. Boashash , , "Neonatal EEG Seizure Detection Using Low and High Frequency Signatures" , *World Congress on Medical Physics and Biomedical Engineering (WC), Sydney, Australia* , 2003.
- [5] H. Hassanpour, M. Mesbah and B. Boashash , "Comparative performance of time-frequency based newborn EEG seizure detection using spike signatures" , *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP-03)* , vol. 2, pp. 389 - 392 , 2003.
- [4] H. Hassanpour, M. Mesbah and B. Boashash , "Time-Frequency Analysis of High-Frequency Activity for Seizure Detection and Tracking in Neonate" , *XI European Signal Processing Conference (EUSIPCO)* , vol. III, pp. 423-426 , 2002.
- [3] H. Hassanpour, M. Mesbah and B. Boashash , "SVD-based Technique for Enhancing the Time-Frequency Representation of Signals" , *4th Australian Workshop on Signal Processing and Application (WoSPA)* , pp. 113-116 , 2002.
- [2] H. Hassanpour, M. Mesbah and B. Boashash , "Time-Frequency Analysis of High-Frequency Activity for Seizure Detection and Tracking in Neonate" , *XI European Signal Processing Conference (EUSIPCO)* , vol. III, pp. 423-426 , 2002.
- [1] H. Hassanpour, W. J. Williams, M. Mesbah and B. Boashash , "Time-frequency extraction of EEG spike events for seizure detection in neonat" , *IEEE International Symposium on Signal Processing and its Applications* , vol. 1 , pp. 246-249 , 2001.