Hamid Hassanpour , **Professor**,

Faculty of Computer Engineering,
Shahrood University of Technology,
P.O. Box 316, Shahrood,
Iran
email: h.hassanpour@shahroodut.ac.ir
h_hassanpour@yahoo.com

Phone   Mobile: +98 911 112 8380
Number   Work: +98 23 3230 0251

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: "Designing an Automatic Farsi Syntax Analyser".

B. Sc. Iran University of Science and Technology, Tehran, Iran, 1993, Project title: "Designing a 24-bit Microprocessor Using Microprogramming".

Academic Experience:

- Full Professor, Faculty of Computer Engineering, Shahrood University of Technology, Shahrood, Iran, since 2012.
- Associate Professor, Faculty of Computer, Shahrood University of Technology, Shahrood, Iran, 2008-2012.
- Assistant Professor, Computer Engineering, Department of Electrical Engieering, University of Mazandaran, Babol, Iran, 2004-2008.
- Visiting Professor, Faculty of Built Environment and Engineering, Queensland University of Technology, Australia, July – September 2009.
- Editor-in-Chief, **Journal of AI and Data Mining**, Shahrood University of Technology, Iran, Since 2012.
- Member, Editorial Board, **International Journal of Engineering**, Iran, Since 2011.
- Member, Editorial Board, **Iranica Journal of Energy & Environment**, Iran, Since 2010.
- Member, Permanent Committee, International Conference on Signal Processing and Intelligent Systems (ICSPIS).
- Technical Chair, The 6th Conference on Information and Knowledge Technology, Shahrood, Iran, 2014.

- Technical Chair, The fist International cCnference on Signal Processing and Intelligent Systems, Amir Kabir University of Technology, Tehran, Iran, 2015.
- Technical Chair, The Second International Conference on Signal Processing and Intelligent Systems (ICSPIS), Amir Kabir University of Technology, Tehran, Iran, 2016.
- Chair, The Third Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS), Shahrood University of Technology, Shahrood, Iran, 2017.
- 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.
- 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:

- Vice Chancellor in Research & Technology, Shahrood University of Technology, Shahrood, Iran, July 2022- present.
-
- Head, Virtual Learning Center, Shahrood University of Technology, Shahrood, Iran, July 2020- July 2022.
- Dean, Faculty of Computer Engineering & IT, Shahrood University of Technology, Shahrood, Iran, 2010- April 2017.
- 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, 2009~2021, 2022~2023.
- Distinguished Professor of the Year, Semnan Province, Iran, 2017.
- 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
- Data Mining
- 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

[11] H. Hassanpour and M. M. AlyanNejadi, "Signals and Systems", Shahrood University of Technology, 2016. (ISBN) (in Persian)

[10] H. Hassanpour and S. Asadi Amiri, Comprehensive Concepts in Digital Image Processing: With the implementation of the algorithms using MATLAB, Shahrood University of Technology, 2016. (ISBN 978-600-7153-40-6) (in Persian)

[9] H. Hassanpour and B. Boashash, "Subspace Noise Filtering Using Time-Frequency Distributions", in: B. Boashash (Ed.), Time-Frequency Signal Analysis and Processing: A Comprehensive Reference, Second Ed., Elsevier, Oxford, 2015, pp. 670-678 (Chapter 11, Article 11.5)

[8] H. Hassanpour and M. Yadollahzadeh, *Data Mining Using Weka*, Shahrood University of Technology, 2015. (in Persian)

[7] M. Ghasemzadeh, H. Hassanpour and M.R. Meybodi, *Formal Languages and Automata*, Shahrood University of Technology 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, Shahrood University of Technology, 2013. (ISBN 978-964-7668- 95-8)

[4] H. Hassanpour , H. Yousefian, and A. Zehtabian, "Pixon-Based Image Segmentation" in *Image Segmentation,*Intech pen 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

[184] Soroush Hashemifar, Abdolreza Marefat, Javad Hassannataj Joloudari, Hamid Hassanpour, "Enhancing face recognition with latent space data augmentation and facial posture reconstruction", *Expert Systems with Applications, vol 238,2024. (DOI: /10.1016/j.eswa.2023.122266)*

[183] Z. Mortezaei, H. Hassanpour, and A. Beghdadi "Re-Identification in Video Surveillance Systems Considering Appearance Changes", *Scientia Iranica. (accepted)*

[182] B. Delagah and H. Hassanpour, "Feature Extraction for Polyp Detection in Wireless Capsule Endoscopy Video Frames ", *Journal of Healthcare Engineering, Hindawi, 2023*. (DOI: 10.1155/2023/6076514)

[181] M. Sadjadi, H. Mashayekhi and H. Hassanpour, "A semi-supervised framework for concept-based hierarchical document clustering", *World Wide Web, Springer .* (DOI: 10.1007/s11280-023-01209-4)(accepted)

[180] Z. Amiri, H. Hassanpour and A. Beghdadi, "Combining Deep Features and Hand-crafted Features for Abnormality Detection in WCE Images", *Multimedia Tools and Applications, Springer .* (DOI: 10.1007/s11042-023-15198-z)(accepted)

[179] E. Charoqdouz and H. Hassanpour, "Feature Extraction from Several Angular Faces Using a Deep Learning Based Fusion Technique for Face Recognition", *International Journal of Engineering - Transaction B: Applicationss,* Vol. 36, No. 8, pp. 1548-1555, 2023. *(DOI:* 10.5829/IJE.2023.36.08B.14)

[178] A. Yavari and H. Hassanpour, "Election Prediction Based on Messages Feature Analysis in Twitter Social Network", *International Journal of Engineering - Transaction C: Aspects,* Vol. 36, No. 6, pp. 1179-1184, 2023. *(DOI:* 10.5829/ije.2023.36.06c.16)

[177] E. Bidokh and H. Hassanpour, "Enhancing Wireless Capsule Endoscopy images from intense illumination specular reflections using the homomorphic filter", *Biomedical Signal Processing and Control*, Vol 84, No 6, 2023. (DOI: 10.1016/j.bspc.2023.104723)

[176] Z. Amiri, H. Hassanpour and A. Beghdadi, "Abnormalities Detection in Wireless Capsule Endoscopy Images using EM Algorithm", *The Visual Computer*, Vol 39, No 7, pp. 2999–3010, 2023. (DOI: 10.1007/s00371-022-02507-0)

[175] Z. Mortezaei and H. Hassanpour, S. Asadi, "An Adaptive Un-Sharp Masking Method for Contrast Enhancement in Images with Non-uniform Blur", *Majlesi Journal of Electrical Engineering, Vol. 16, No 4, pp. 139-149, 2022. (doi:* 10.30486/mjee.2022.697549)

[174] Z. Mortezaei, H. Hassanpour, and A. Beghdadi "Sensing Image Regions for Enhancing Accuracy in People Re-identification", *Iranian Journal of Energy and Environment (IJEE), Vol. 13, No 3, p.* 295-304, *2022.   (doi:* 10.5829/IJEE.2022.13.03.09)

[173] M. H. Khosravi and H. Hassanpour, "A New Paradigm for Image Quality Assessment Based on Human Abstract Layers of Quality Perception", *Multimedia Tools and Applications,* Vol. 81, pp. 23193–23215, *2022. (doi: 10.1007/s11042-022-12478-y)*

[172] Z. Amiri, H. Hassanpour and A. Beghdadi, "An Expanded MLP Neural Network for Fast Angiodysplasia Lesions Segmentation in Capsule Endoscopy Images", *International Journal of Artificial Intelligence and Tools*, Vol 31, No 2, 2022. (DOI: 10.1142/S0218213022500063)

[171] M. B. Shahbakhsh and H. Hassanpour, "Empowering Face Recognition Methods using a GAN-based Single Image Super-Resolution Network", *International Journal of Engineering - Transaction A: Basics ,* Vol. 35, No. 10, pp. 1858-1866, 2022.. *(DOI:* 10.5829/ije.2022.35.10a.05)

[170] Z. Mortezaei and H. Hassanpour, A. Beghdadi, "A Survey on People Re-identification Approaches Considering Occlusion", *Majlesi Journal of Electrical Engineering, Vol. 16, No 3, pp. 9-18, 2022. (doi:* 10.30486/mjee.2022.696501)

[169] N. Abbaspoor and H. Hassanpour, "Face Recognition In A Large Dataset Using A Hierarchical Classifier", *Multimedia Tools and Applications, Vol 81, pp.* 16477–16495, 2022. *(doi:* 10.1007/s11042-022-12382-5)

[168] A. Yavari; H. Hassanpour; B. Rahimpour Cami; M. Mahdavi, "Event prediction in social network through Twitter messages analysis", *Social Network Analysis and Mining,* Vol 12, pp. 1-12, 2022. *(DOI:* 10.1007/s13278-022-00911-x*)*

[167] Z. Mortezaei and H. Hassanpour, A. Beghdadi "People Re-identification Under Occlusion and Crowded Background", *Multimedia Tools and Applications, 2022. (doi:* 10.1007/s11042-021-11868-y)

[166] A. Yavari; H. Hassanpour; B. Rahimpour Cami; M. Mahdavi, "Election Prediction Based on Sentiment Analysis using Twitter Data", *International Journal of Engineering - Transaction B: Applications,* Vol 35, No 2, pp. 372-379, 2022. *(DOI: 10.5829/ije.2022.35.02b.13)*

[165] Z. Amiri, H. Hassanpour, A. Beghdadi, "Feature extraction for abnormality detection in capsule endoscopy images", *Biomedical Signal Processing and Control,* Vol 71, 2022. *(DOI: 10.1016/j.bspc.2021.103219)*

[164] P. Erfanian, B. Rahimpour, and H. Hassanpour, "An evolutionary event detection model using the Matrix Decomposition Oriented Dirichlet Process ", *Expert Systems with Applications,* Vol 189, 2022. *(DOI: 10.1016/j.eswa.2021.116086)*

[163] Z. Amiri, H. Hassanpour, A. Beghdadi, "A Computer-Aided Method for Digestive System Abnormality Detection in WCE Images", *Journal of Healthcare Engineering,* 2021. *(DOI: 10.1155/2021/7863113)*

[162] M.Ghasemi, and H. Hassanpour, "A Three-stage Filtering Approach for Face Recognition ", *International Journal of Engineering - Transaction B: Applications,* Vol 34, No 8, 2021. *(DOI: 10.5829/ije.2021.34.08b.06)*

[161] T. Askari, and H. Hassanpour, "Using a Blur Metric to Estimate Linear Motion Blur Parameters", *Computational and Mathematical Methods in Medicine,* 2021. *(DOI: 10.1155/2021/6048137)*

[160] S. M. Sadjadi, H. Mashayekhi, and H. Hassanpour, "A Two-Level Semi-supervised Clustering Technique for News Articles", *International Journal of Engineering - Transaction C: Aspects,* Vol 34, No 12, 2021. *(DOI: 10.5829/ije.2021.34.12C.10)*

[159] H. Hassanpour, M. M. AlyanNezhadi, M. Mohammadi, "A Signal Processing Method for Text Language Identification", *International Journal of Engineering - Transaction C: Aspects,* Vol 34, No 6, 2021. *(DOI: 10.5829/ije.2021.34.06c.04)*

[158] S.M.R Hashemi, H. Hassanpour, E. Kozegar, T., Tan, "Cystoscopic image classification by unsupervised feature learning and fusion of classifiers", *IEEE ACCESS,* Vol 9, PP.126610-126622, 2021. *(DOI: 10.1109/ACCESS.2021.3098510)*

[157] S. Akhlaghi and H. Hassanpour, "Frontal Face Modeling Using Morphing-Based Averaging and Low-rank Decomposition", *Multimedia Tools and Applications, Springer,* Vol 80, pp. 7125–7144, 2021. *(DOI: 10.1007/s11042-020-09878-3)*

[156] R. Badaghi, H. Hassanpour, T. Askari, "Detection of Bikers without Helmet Using Image Texture and Shape Analysis", *International Journal of Engineering - Transaction C: Aspects,* Vol 34, No 3, 2021. *(DOI: 10.5829/ije.2021.34.03c.09)*

[155] M. Habibi and H. Hassanpour, "Splicing Image Forgery Detection and Localization Based on Color Edge Inconsistency using Statistical Dispersion Measures", *International Journal of Engineering, Transaction A: Basics,* Vol 34, No. 2, pp. 443-451 , 2021. DOI: 10.5829/ije.2021.34.02b.16

[154] F. Nikan and H. Hassanpour, "Face Recognition Using Non-negative Matrix Factorization with a Single Sample per Person in a Large Database", *Multimedia Tools and Applications, Springer,* Vol 79, pp. 28265–28276, 2020. *(DOI: 10.1007/s11042-020-09394-4)*

[153] M. Parsaeian, M. Shahabi, and H. Hassanpour, "Estimating Oil and Protein Content of Sesame Seeds Using Image Processing and Artificial Neural Network", *Journal of the American Oil Chemist's Society*, Vol 97, No 7, pp. 691-702, 2020, DOI: 10.1002/aocs.12356

[152] S.J. Seyyedyazdi and H. Hassanpour, "Super resolution of defocus images", *International Journal of Engineering, Transaction A: Basics*, Vol 33, No. 4, pp. 539-545, 2020. DOI: 10.5829/ije.2020.33.04a.04

[151] M. Parsaeian, M. Shahabi, and H. Hassanpour, "The integration of image processing and artificial neural network to estimate four fatty acid contents of sesame oil", *The LWT - Food Science and Technology*, Vol 129, pp 1-10, 2020, DOI: j.lwt.2020.109476.

[150] Mokhtar Mohammadi, Nabeel Ali Khan, Hamid Hassanpour & Adil Hussien Mohammed, "Spike Detection Based on the Adaptive Time–Frequency Analysis", *Circuits,Systems,and Signal Processing* , Vol 39, pp. 5656–5680, 2020. DOI: 10.1007/s00034-020-01427-5.

[149] M. Delavarian, O. R. Marouzi, Hamid Hassanpour, R. M. Parizi, M. S. Khan, "Multi-camera multiple vehicle tracking in urban intersections based on multilayer graphs", *IET Intelligent Transport Systems,* Vol 14, No 12, pp. 1673 – 1690, 2020. DOI: 10.1049/iet-its.2020.0086

[148] M. Delavarian, O. R. Marouzi, Hamid Hassanpour, " A Multilayer Motion Direction Based Model for Tracking Vehicles at Intersections*", International Journal of Engineering - Transactions A: Basics,* Vol 33, No 10, pp. 1939-1950, 2020. DOI: 10.5829/ije.2020.33.10a.12

[147] A. Ghanbari, H. Hassanpour, and M. Fateh, "A Comprehensive System for Image Scene Classification", *Multimedia Tools and Applications, Springer,* Vol 79, pp. 18033–18058, 2020. *(DOI:10.1007/s11042-019-08264-y)*

[146] M. H. Khosravi and H. Hassanpour "Blind Quality Metric for Contrast-Distorted Images Based on Eigen-decomposition of Color Histograms", *IEEE Transactions on Circuits and Systems for Video Technology, Vol 30, No 1, pp.* 48-58, 2020. *DOI:* 10.1109/TCSVT.2018.2890457

[145] E. Alipour, H. Hassanpour, M. Fateh "Blur Classification in Images with Global Blur", *Journal of Machine Vision and Image Processing,* Vol. 6, No. 2, pp. 105-118, 2020. (in Persian)

[144] A. Ghanbari, H. Hassanpour, M. Fateh, "Improvement of the R-FCN's deep network in object detection and annotation", *Journal of Machine Vision and Image Processing,* Vol. 6, No. 2, pp. 43-52, 2020. (in Persian)

[143] M. M. Aliannejadi, H. Hassanpour, and F. Zare, "Grid Impedance Estimation in High Frequency Range with a Single Signal Injection Using Time-Frequency Distribution", IET Science, Measurement & Technology*, Vol 13, no 7, 2019. (DOI:* 10.1049/iet-smt.2018.5617)

[142] Z. Mortezaei, and H. Hassanpour, "A SURVEY ON AGE INVARIANT FACE RECOGNITION METHODS", *Jordanian Journal of Computers and Information Technology, Vol 5, No 2, pp. 87-96, 2019. (DOI:* 10.5455/jjcit.71-1554841475)

[141] Z. Mortezaei, H. Hassanpour, and S. Asadi, "An Adaptive Block Based Un-Sharp Masking for Image Quality Enhancement", *Multimedia Tools and Applications, Springer, Vol 78, No 16, pp.* 23521–23534 *, 2019. (DOI: 10.1007/s11042-019-7594-4)*

[140] M.M. Hosseini, M. Zahedi, and H. Hassanpour, "A Set Statistical features for Evaluating Interactive Question Answering", *Tabriz Journal of Electrical Engineering,Vol 49, No 3, pp. 1045-1054, 2019. (in Persian)*

[139] H. Yarmohammadi, H. Marvi, and H. Hassanpour, "Application of 2D fractal dimension in content based video summarization", *International Journal of Nonlinear Analysis and Applications,Vol 10, No 2, pp. 131-140, 2019. (DOI: /10.22075/ijnaa.2019.4180)*

[138] I. Firouzian, M. Zahedi, and H. Hassanpour, "Investigation of the Effect of Concept Drift on Data-Aware Remaining Time Prediction of Business Processes", *International Journal of Nonlinear Analysis and Applications,Vol 10, No 2, pp. 153-166, 2019. (DOI: 10.22075/IJNAA.2019.4182)*

[137] S. M. R., Hashemi, H. Hassanpour, E. Kozegar, T., Tan, "Cystoscopy Image Classification Using Deep Convolutional Neural Networks", *International Journal of Nonlinear Analysis and Applications,Vol 10, No 1, pp. 193-215, 2019. (DOI: 10.22075/ijnaa.2019.4064)*

[136] T. Askari, H. Hassanpour, and V. Abolghasemi "Blind Motion Image Deblurring Using an Effective Blur Kernel Prior", *Multimedia Tools and Applications, Springer, Vol 78, pp.* 22555–22574, 2019.

[135] M. M. Hosseini, M. Zahedi, and H. Hassanpour "A New Statistical Model for Evaluation Interactive Question Answering Systems Using Regression", *Journal of Signal and Data Processing, , Vol 16, No 3, pp. 37*-48, 2019. (in Persian)

[134] M. H. Khosravi and H. Hassanpour "Image Quality Assessment Using a Novel Region Smoothness Measure", *Journal of Visual Communication and Image Representation,Vol. 60, pp.* 217-228, 2019. *(doi:* 10.1016/j.jvcir.2018.11.019*)*

[133] H. Hassanpour, F. Azari, S. Asadi," Adaptive Image Dehazing via Improving Dark Channel Prior", *International Journal of Engineering – Transactions B: Applications, Vol. 32, No 2, pp.* 247-253, 2019.

[132] S. Asadi and H. Hassanpour , "A Saliency Detection Model via Fusing Extracted Low-level and High-level Features from an Image", *AUT Journal of Electrical Engineering, Vol. 51, No 1, pp 1-10, 2019*. (DOI: 10.22060/eej.2018.13787.5189)

[131] B. Rahimpour, H. Hassanpour, H. Mashayekhi, "User Preferences Modeling using Dirichlet Process Mixture Model for a Content-Based Recommender System", *Knowledge-Based Systems,* Vol. 163, pp. 644-655, 2019. (https://doi.org/10.1016/j.knosys.2018.09.028)

[130] H. Hassanpour and N. Samadiani, "A New Image Enhancement Method Considering Both Dynamic Range and Color Consistency", *Scientia Iranica, Vol 26, No 3, pp.* 1589-1600*, 2019.* (doi: 10.24200/SCI.2018.5503.1312)

[129] M. M. Aliannejadi, H. Hassanpour, and F. Zare, "Using Signal Processing Techniques for Low Voltage Grid Impedance Estimation in Frequencies 2 *kHz* to 150 *kHz*", *Iranian Journal of Electrical and Computer Engineering,* Vol 16, No 2, PP. 157-163, 2018. (in Persian)

[128] H. Hassanpour, R. Ebadi, A. Zehtabian, and Z. Amiri "Reduction of Metal Artifact in Dental Computed Tomography by Homomorphic Wavelet Filtering in Sinogram Domain ", *Iranian Journal of Energy and Environment (IJEE), Vol 9, No. 4, pp.* 263-270 *, 2018, (DOI:* 10.5829/ijee.2018.09.04.06)

[127] H. Hassanpour, O. Kohansal, and S. Asadi , "Robust Face Recognition under Variable Illumination, Pose, and Partial Coverage", *Journal of Computing and Security, Vol. 5, No 2, pp. 15-23, 2018. (DOI: 10.22108/jcs.2018.110882)*

[126] H. Hassanpour and S. Asadi , "Improving Image Dynamic Range For An Adaptive Quality Enhancement Using Gamma Correction", *The CSI Journal on Computer Science and Engineering (JCSE); Vol. 16, No. 1, pp. 32-44, 2018.*

[125] H. Hassanpour, N. Nowrozian, M.M. AlyanNejadi, and N. Samadiani, "Image Zooming Using a Multi-layer Neural Network", *The Computer Journal. Vol. 61, No 11, pp.* 1737–1748*, 2018. (*https://doi.org/10.1093/comjnl/bxy092)

[124] H. Hassanpour and M.M. AlyanNejadi, "System Modeling for Optimization with a Small Set of Data Using Neural Networks", *Journal of Industrial Engineering, University of Tehran, V*ol 52, No 1, pp. 25-35, 2018. (DOI: 10.1007/s11042-017-4763-1)

[123] H. Hassanpour and M.M. AlyanNejadi, and F. Zare, "A New High Frequency Grid Impedance Estimation Technique for the Frequency Range of 2 to150 kHz", *International Journal of Engineering – Transactions A: Basics, Vol 31, No 10, pp.* 1666-1674 *, 2018.*

[122] M. Habibi, A. Ahmadifard, and H. Hassanpour "Single Image Resolution Enhancement Considering Neighborhood Pixels and Self Learning", *Iranian Journal of Electrical and Computer Engineering,* Vol 16, No 2, PP. 157-163, 2018. (in Persian)

[121] S. Asadi and H. Hassanpour, and O. Marouzi "No-reference image quality assessment based on localized discrete cosine transform for JPEG compressed images", *Multimedia Tools and Applications, Springer, V*ol 77, No 1, pp. 787-803 , 2018. (DOI: 10.1007/s11042-016-4246-9)

[120] M. Biglari, A. Soleimani, and H. Hassanpour, "A Cascaded Part-based System for Fine-grained Vehicle Classification", *IEEE Transactions on Intelligent Transportation Systems,* Vol 19, No 1, pp. 273 – 283, 2018. (doi: 10.1109/TITS.2017.2749961)

[119] M. Fadavi Amiri, A. Soleimani, H. Hassanpour and M. Shamekhi Amiri **"GENERATION OF SYNTHETIC EARTHQUAKE RECORDS BY ARTIFICIAL INTELLIGENCE TECHNIQUES",** *International Journal of Optimization in Civil Engineering*, Vol 8, no 1, pp. 15-28, 2018.

[118] S. Asadi and H. Hassanpour, "Image Compression Using JPEG With Reduced Blocking Effects via Adaptive Down-sampling and Self-learning Image Sparse Representation", *Multimedia Tools and Applications, Springer, V*ol 77, No 7, pp. 8677-8693 , 2018. (DOI: 10.1007/s11042-017-4763-1)

[117] S. Akhlaghi , H. Hassanpour, V. Abolghasemi **"**Face modeling using morphing-based averaging and low-rank decomposition**",** *Journal of Iranian Association of Electrical and Electronics Engineers, Vol 15, No 2, pp. 55-67, 2018. (in Persian)*

[116] S. J. Seyyedyazdi and H. Hassanpour **"**Improving Super-resolution Techniques via Employing Blurriness Information of the Image**",** *International Journal of Engineering, Transaction B: Applications,Vol 31, No. 2, pp. 220-228, 2018.*

[115] M. M. Bakhshi, H. Hassanpour, and M. Fateh, "Spatial-Frequency Features Extracting for Facial Image Retrieval from a Big Image Database" , *Tabriz Journal of Electrical Engineering, Vol 48, No 2, pp. 509-517 , 2018.* (In Persian)

[114] A. Farzad, H. Mashayekhi, H. Hassanpour, "A Comparative Performance Analysis of Different Activation Functions in LSTM Networks for Classification", *Neural Computing and Applications, Vol 31, No 7, PP.* 2507-2521, 2019. (doi: 10.1007/s00521-017-3210-6)

[113] M. M. AlyanNezhadi, F. Zare, and H. Hassanpour **"Grid Impedance Estimation using Several Short-term Low Power Signal Injections",** *AUT Journal of Electrical Engineering*, Vol 50, No. 2, pp 69-176, 2018. (DOI: 10.22060/eej.2017.12501.5091)

[112] F. Rohani and H. Hassanpour **"Torque Signal Analysis of Drill String for Stuck Prediction",** *Petroleum Research,* Vol 27, No. 97 , PP. 116-128, 2018. (in Persian)

[111] M. Biglari, A. Soleimani, and H. Hassanpour "Using Discriminating Parts for Vehicle Make and Model Recognition", *Journal of Signal and Data Processing,* Vol 15, No. 3, pp. 41-54, 2018. (in Persian)

[110] M. Biglari and A. Soleimani, H. Hassanpour "A Cascading Scheme for Speeding up Multiple Classifer", *Pattern Analysis and Applications*, Vol 22, No. 2, PP. 375–387, 2019. (doi: 10.1007/s10044-017-0637-4)

[109] M. Shahabi, H. Hassanpour, H. Mashayekhi, "Rule Extraction for Fatty Liver Detection using Neural Networks" , *Neural Computing and Applications,* Vol 31, pp. 979–989, 2019. (DOI: 10.1007/s00521-017-3130-5)

[108] B. Rahimpour, H. Hassanpour, H. Mashayekhi, "User Trends Modeling for a Content-Based Recommender Systems " , *Expert Systems With Applications, Vol 87, pp.* 209-219, 2017 . (DOI: 10.1016/j.eswa.2017.06.020)

[107] M. Biglari, A. Soleimani, and H. Hassanpour, "A Novel Cascading Scheme to Improve Speed and Accuracy of a VMMR System", *Iranian Journal of Electrical and Computer Engineering*, Vol 15, No 3, pp. 200-210, 2017.

[106] M. Biglari, A. Soleimani, and H. Hassanpour, "Part-Based Recognition of Vehicle Make and Model", IET Image Processing, Vol 11, No. 7, pp. 483 – 491, 2017. (DOI: 10.1049/iet-ipr.2016.0969)

[105] A. Ghanbari, M. Fateh, and H. Hassanpour "Intelligent Identifications and filtering of unconventional images based on deep neural networks, *Journal of Signal and Data Processing,* Vol 15, No. 2, 2018.(In Persian)

[104] M. H. Khosravi, H. Hassanpour, and A. Ahmadifard "A Content Recognizability Measure For Image Quality Assessment Considering the High Frequency Attenuating Distortions", *Multimedia Tools and Applications, Springer, Vol 77, No. 6, pp.* 7357-7382, 2018. (DOI:10.1007/s11042-017-4636-7)

[103] M.R. Gandomi and H. Hassanpour **"Behavioral Analysis of Traffic Flow for An Effective Network Traffic Identification",** *International Journal of Engineering, Transaction B: Application*, Vol 30, no 11, pp. 1558 – 1567, 2017. (DOI: 10.5829/ije.2017.30.11b.15)

[102] H. Hassanpour and N. Samadiani, and F. Akbarzadeh **"A Modfied SOM Neural Network to Recognize Multi-Font Printed Persian Numerals",** *International Journal of Engineering, Transaction B: Application*, Vol 30, no 11, pp. 1538 – 1547, 2017.

[101] Z. Mortezaei, H. Hassanpour, and S. Asadi "Image Enhancement Using an Adaptive Un-Sharp Masking Method Considering the Gradient Variation", *International Journal of Engineering, TRANSACTIONS B: Applications, Vol 30, No 8, pp.* 1118-1125 , *2017.* (doi:10.5829/idosi.ije.2017.30.08b.02)

[100] H. Hassanpour, and A. Gholami "Human Identification Using Finger Vein Images in Radon Space and Common Spatial Pattern", *Iranian Journal of Electical and Computer Engineering, Iran*, Vol 15, No 1, pp. 46-54, 2017. (in Persian)

[99] T. Askari, H. Hassanpour, and V. Abolghasemi "Local Motion Deblurring Using an Effective image prior based on both the first- and second-order gradients", *Machine Vision and Applications, Springer, vol 28, no.3, pp*. 431-444, 2017. (doi: 10.1007/s00138-017-0824-8)

[98] M. H. Khosravi and H. Hassanpour "A Novel Image Structural Similarity Index Considering Image Content Detectability Using Maximally Stable Extremal Region Descriptor", *International Journal Engineering*, Vol 30, No 2, pp. 172-181, 2017. (DOI:10.5829/idosi.ije.2017.30.02b.03)

[97] N. Dehghan and H. Hassanpour "Employing Image Processing Techniques for Cancer Detection Using Microarray Images", Computers in Biology and Medicine*, Elsevier*, Vol 81, pp. 139-147, February 2017. (DOI:10.1016/j.compbiomed.2016.12.012)

[96] N. Dehghan, H. Hassanpour, M. R. Abbaszadegan, "Microarray Images Analysis to Detect Breast Cancer", Razi Journal of Medical Sciences , Vol 23, No. 152, pp. 77-87, 2017. (in Persian)

[95] M. H. Khosravi and H. Hassanpour, "Model-based Full Reference Image Blurriness Assessment", *Multimedia Tools and Applications, Springer*, Vol. 26, no. 2, pp 2733–2747, January, 2017. DOI: 10.1007/s11042-015-3149-5

[94] M. Biglari, A. Soleimani, and H. Hassanpour "Vehicle Make and Model Recognition Using the Ensemble of Logistic Regression Classifiers", *Journal of Machine Vision and Image Processing,* Vol. 4, no. 1, pp. 29-39, 2017. (in Persian)

[93] T. Askari , and H. Hassanpour, "Image Colorization Using Pixonal-based Image Segmentation and Fuzzy-set Theory", *Journal of Soft Computing and Information technology, Vol 6, No 1, pp. 52-58, 2017.* (in Persian)

[92] A. Sebti and H. Hassanpour "Body Orientation Estimation with the Ensemble of Logistic Regression Classifiers", *Multimedia Tools and Applications, Springer*. Vol. 76, No. 22, pp. 23589–23605, Nov. 2017. (DOI: 10.1007/s11042-016-4129-0)

[91] A. Sebti and H. Hassanpour "Body Orientation Estimation Using Contour Information", *Iranian Journal of Electical and Computer Engineering, Iran*, Vol 14, No 4, pp. 322-332, 2017. (in Persian)

[90] T. Askari, H. Hassanpour, and V. Abolghasemi "Non-blind image deconvolution using a regularization based on re-blurring process", *Computer Vision and Image Understanding, Elsevier*, vol 154, pp. *16-34*, 2017. http://dx.doi.org/10.1016/j.cviu.2016.09.013

[89] S. Asadi and H. Hassanpour, "Providing a method for image preprocessing to improve the performance of JPEG 2000 in image compression", *Journal of Modeling in Engineering, No 48, pp 247-257, 2017*. (in Persian)

[88] T. Askari, H. Hassanpour, and V. Abolghasemi "Automatic Estimation and Segmentation of Partial Blur in Natural Images", *The Visual Computer,* Springer, Vol 33, No 2, pp 151–161, February 2017. DOI: 10.1007/s00371-015-1166-z

[87] N. Dehghan, H. Hassanpour, and M. R. Abbaszadegan, "Fully Automatic Classification of Breast Cancer Microarray Images", *Journal of Electrical Systems and Information Technology, Elsevier*, Vol. 3, No. 2, pp. 348–359, 2016.

[86] S. Asadi and H. Hassanpour "Deblocking JPEG compressed images via self-learning sparse representation", *International Journal Engineering*, Vol 29, No 12, pp. 1684-1690, 2016. (DOI:10.5829/idosi.ije.2016.29.12c.07)

[85] M. Shahabi and H. Hassanpour, "Using the Artificial Intelligence Techniques for Diagnosing of intensity of Non-Alcoholic Fatty Liver Disease by Clinical Parameters", *Journal of Knowledge & Health,* Vol. 11, No. 3, pp. 69-75, 2016. (In Persian)

[84] T. Askari, H. Hassanpour, and V. Abolghasemi "A Noise-Immune No-Reference Metric for Estimating Blurriness value of an Image", *Signal Processing: Image Communication, Elsevier, vol 47, pp.* 218–228, 2016. DOI: 10.1016/j.image.2016.06.009

[83] M. M. Alyannejadi and H. Hassanpour "Signal Processing and Analysis Using Time-frequency Distributions", *Computing Science Journal, Vol 2, 2016*. (in Persian)

[82] S. Asadi and H. Hassanpour, "Providing a method for image preprocessing to improve the performance of JPEG ", *Journal of Signal and Data Processing, no 28, 2016*. (In Persian)

[81] A. Nikoo, A. Roshandel Kahoo, H. Hassanpour, and H. Saadatnia "Using a Time-Frequency Distribution to Identify Buried Channels in Reflection Seismic Data", *Digital Signal Processing, Elsevier,* vol 54, pp 54-63, 2016. (doi:10.1016/j.dsp.2016.03.008)

[80] T. Askari, H. Hassanpour, and V. Abolghasemi "Image Blur Map Estimation Based on the Difference between Surrounding Block of Pixel and Its Blurred Version", *Journal of Machine Vision and Image Processing*, Vol 3, no 1, 2016. (in Persian)

[79] F. Akbarzadeh, H. Hassanpour, and S. Emamgholizadeh **"**Groundwater level prediction of Shahrood plain using RBF Neural Networks", *Journal of Watershed Management Research, Vol 7, No 13, pp 104-118, 2016. (in Persian)*

[78] H. Hassanpour, A. Zehtabian, A. Nazari, and H. Dehghan," Gender Classification Based on Fuzzy Clustering and Principal Component Analysis", IET Computer Vision, vol. 10, no. 3, pp. 228-233, 2016. (DOI: 10.1049/iet-cvi.2015.0041)

[77] A. Ghanbari, and H. Hassanpour,"People Tracking and Reidentification in Indoor Cameras Network with Disjoint Views Using a Fazzy System", *Journal of Iranian Association of Electrical and Electronics Engineers vol 13, no2, 2016*. (in Persian)

[76] A. Darvishi H. Hassanpour, "A Geometric View of Similarity Measures in Data Mining", *International Journal of Engineering, Vol. 28, No 12, pp.* 1731-1740, 2015.

[75] S. Asadi and H. Hassanpour, "Improving the Performance of Predictive Encoder by Changing the Image Content Arrangement Using Genetic Algorithm", *Journal of Machine Vision and Image Processing, vol 2, no 2, pp. 39-49, 2015*. (in Persian)

[74] A. Ghanbari, H. Hassanpour, and P. L. Mazzeo, "People re-identification in non-overlapping FOVs using cumulative brightness transform function and body segments in different color spaces", *International Journal of Engineering, Vol. 28, No 12, pp.* 1711-1720, 2015.

[73] H. Hassanpour, F. Azari, S. Asadi," Improving Dark Channel Prior for Single Image Dehazing", *International Journal of Engineering, Vol 28, No. 6, pp. 880-887, 2015.*

[72] N. Samadiani, and H. Hassanpour, "A Neural Network-based approach to Recognizing Multi-font printed English characters", *Journal of Electrical Systems and Information Technology, Elsevier , Vol. 2, No. 2, pp.* 207–218*, 2015.*

[71] H. Hassanpour, N. Samadiani, and M. Mahdi Salehi "Using Morphological Transforms to Enhance the Contrast of Medical images", *The Egyptian Journal of Radiology and Nuclear Medicine, Elsevier,* vol 46, no 2, pp 481-489, 2015.

[70] A. Gholami, H. Hassanpour "Finger Vein Recognition in Radon Space Using Local Entropy Thresholding and Common Spatial Pattern", *International Journal of Engineering, vol 28, no. 1, pp. 25-34, 2015.*

[69] N. Samadiani and H. Hassanpour, "Automatic Reference Image Selection for Histogram Matching in Image Enhancement", *Iranian Journal of Electical and Computer Engineering, vol 13, no 1, pp 47-54, 2015.(in Persian)*

[68] H. Azami, H. Hassanpour, J. Escudero, and S. Sanei "An Intelligent Approach for Variable Size Segmentation of Non-stationary Signals", *Journal of Advanced Research, Vol. 6. No. 5, pp.* 687–698 *, September 2015.*

[67] H. Hassanpour and S.J. SeyyedYazdi "Super Resolution: Reviewing the Techniques", *Soft Computing Journal, Kashan University, Vol. 2 , No. 2, 2014. (in Prsian)*

[66] H. Hassanpour and N. Samadiani, "Recognition of Multi-font English Numerals using SOM Neural Network", *International Journal of Computer Applications,vol 98, no. 4, pp. 37-43, 2014.*

[65] A. Sebti and H. Hassanpour, "People Reidentification in Video Surveillance Systems", *Soft Computing Journal, Kashan University, Vol. 3 , No. 1, 2014. (in Prsian)*

[64] H. Khosravi, H. Hassanpour "Image Denoising Using Anisotropic Diffusion Equations on Reflection and illumination Components of Image", *International Journal of Engineering, vol 27, no. 9, pp, 1339-1348, 2014.*

[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, vol 5, no. 4, pp. 31-42, 2014.*

[62] 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.*

[61] N. Nowrouzian, H. Hassanpour, "Image Zooming using non-Linear Partial Differential Equation", *International Journal of Engineering, vol 27, no 1, 2014.*

[60] 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.*

[59] H. Hassanpour, S. Madani " Improving Accuracy of Document Clustering in Farsi Using Farse-Net Ontology", *Journal of Soft Computing and Information Technology, Vol 3, no 1, 2014.*(In Persian)

[58] H. Hassanpour, A. Rezaeian, "Design and Implementation of a Specialized Meta Search Engine for Medical Information Retrieval*", Journal of Soft Computing and Information Technology, Vol 3, No.2, pp. 44-56, 2014*.

[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] 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.

[55] 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.

[54] 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)

[53] M. Mansoori, H. Hassanpour, "Investigating Embedded Question Reuse in Question Answering", *International Journal of Engineering,*Vol. 26, No 3, 245-256 , 2013.

[52] H. Hassanpour, A. Rostami Ghadi, "Image Enhancement Via Reducing Impairment Effects on Image Components" , *International Journal of Engineering,*Vol. 26, No 11, pp*. 1267-1274 , 2013*.

[51] 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)*.*

[50] 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.

[49] 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*.*

[48] 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.

[47] 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.

[46] M. Gholipoor, 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.

[45] S. Asadi and H. Hassanpour, M. Shahiri, and R. Ghaderi "Detection of Microaneurysms in Retinal Angiography Images Using the Circular Hough transfor ", *Journal of Advances in Computer Research, vol 3, no. 1, pp. 1 -12, 2012.*

[**44**] 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.

[**43**] 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.

[**42**] 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*.

[**41**] 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*.

[**40**] H. Hassanpour and S. Asadi, "Image Enhancement Using Gamma Information", *Journal of Signal and Data Processing,* vol 1, no 15, 2012. (in Persian)

[**39**] 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*.

[**38**] 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 Jamei1, 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* , Babol University of Technology, Vol 1, No 1, 2009. (in Persian)

[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 Segmenattion Using" , *Journal of Engineering Materials* , vol. 1, no. 3, pp 241-253, 2009. (in Persian)

[13] H. Hassanpour and 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 Diffrential 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

[**89**] M. Marvi, and H. Hassanpour "Automatic Separation of Effective Frames in the Analysis of Voluminous Videos Using Human-Object Interactions", Eighth *Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS)* , Iran, Behshahr, 2022.

[**88**] H. Agh Ataby, and H. Hassanpour "Abnormal Behavior Detection in Electronic-Exam Videos Using BeatGAN ", Eighth *Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS)* , Iran, Behshahr, 2022.

[**86**] M. Baluochzehi, and H. Hassanpour "Enhancing Face Super-Resolution via Improving the Edge and Identity Preserving Network", Seventh *Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS)* , Iran, Tehran, 2021.

[**85**] A. Zakeri, and H. Hassanpour, "WhisperNet: Deep Siamese Network For Emotion and Speech Tempo Invariant Visual-Only Lip-Based Biometric", Seventh *Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS)* , Iran, Tehran, 20219.

[**84**] Z. Mortezaei, H. Hassanpour, and A., Beghdadi, "A Color-Based Re-Ranking Process for People Re-Identification", 9th *European Workshop on Visual Information Processing (EUVIP)*, Paris, France, 2021. (DOI: 10.1109/EUVIP50544.2021.9484056)

[**83**] Z. Amiri, H. Hassanpour, A. Beghdadi, "Feature Selection for Bleeding Detection in Capsule Endoscopy Images using Genetic Algorithm", *Fifth Iranian Conference on Signal Processing and Intelligent Systems* , Iran, Shahrood, 2019.

[**82**] Z. Amiri, H. Hassanpour, and A., Beghdadi, "A Computer- Aided Method to Detect Bleeding Frames in Capsule Endoscopy Images", 8th *European Workshop on Visual Information Processing (EUVIP)*, Roma, Italy, 2019. (DOI: 10.1109/EUVIP47703.2019.8946168)

[**81**] Z. Amiri, H. Hassanpour, N., Mamode Khan, and M. .Heenaye Mamode Khan, "Improving the Performance of Multilayer Backpropagation Neural Networks with Adaptive Leaning Rate", *International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD)*, Durban, South Africa, 2018. (DOI: 110.1109/ICABCD.2018.8465423)

[**80**] R. Rahimpour, H. Hassanpour, and H. Mashayekhi, "A content-based movie recommender system based on temporal user preferences", *3rd Iranian Conference on Intelligent Systems and Signal Processing (ICSPIS)*, Shahrood, Iran, pp. 121-125, 2017. (DOI: 10.1109/ICSPIS.2017.8311601)

[**79**] M. M., Alyan Nezhadi, H. Hassanpour, and F., Zare, "Grid impedance estimation using low power signal injection in noisy measurement condition based on wavelet denoising", *3rd Iranian Conference on Intelligent Systems and Signal Processing (ICSPIS)*, Shahrood, Iran, pp. 81-86, 2017. (DOI: 10.1109/ICSPIS.2017.8311594)

[78] H. Qazanfari, H. Hassanpour, and K. Qazanfari, "A short-term learning framework based on relevance feedback for content-based image retrieval", *3rd Iranian Conference on Intelligent Systems and Signal Processing (ICSPIS)*, Shahrood, Iran, pp. 136-140, 2017. (DOI: 10.1109/ICSPIS.2017.8311604)

[77] M. M., Alyan Nezhadi, M. Forgani, and H. Hassanpour, "A content-based movie recommender system based on temporal user preferences", *3rd Iranian Conference on Intelligent Systems and Signal Processing (ICSPIS)*, Shahrood, Iran, pp. 147 - 151, 2017. (DOI: 10.1109/ICSPIS.2017.8311606)

[76] A. Sebti and H. Hassanpour, "Improving SDALF Algorithm in People Re-identification Considering the Orientation Information", *23rd Iranian* Conference on Electrical Engineering, Tehran, Iran, 2015. (in Persian)

[75] N. Nowrozian 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, "Pedestrain 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 pixon-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 Diffrential 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 featurs" , *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 Intellingent 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. Ardeshiri , "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 Detectioin 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 Represenation 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.