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Biography

- Ph.D. in CE, Amirkabir University of Technology (Tehran Polytechnic), Tehran, IRAN, 2003.
  - PhD Thesis: Design and Evaluation of a New Stabilizer for Digital Video
- M.S. in EE, Amirkabir University of Technology (Tehran Polytechnic), Tehran, IRAN, 1993.
  - MSs Thesis: Design and Implementation of a Microprocessor Based Protective Relay for Power Transformer
- B.S. in EE, Ferdowsi University of Mashhad, Mashhad, IRAN,1989.
  - BSc Thesis: Design and Implementation of a 12 Channels PCM Transmitter and Receiver

Publications

- Journal

2014

1. 1.Sigari, M.H.; Pourshahabi, M.R.;Pourreza, H.R.; " A New Evolutionary-Incremental Framework for Feature Selection"; *Advances in Artificial Intelligence*; Vol. 2014; pp. 1-12; 2014. (ISSN: 1687-7489)
2. 2.Sayahzadeh, J.; Pourreza, H.R.; Salehi Fadardi, J.; " A Fast, Robust, Automatic Blink Detector "; *Iranian Journal of Medical Physics (IJMP);* Vol. 11; No. 4; 2014.
3. 3.Banaee, T; Ehsaei, A; **Pourreza, H.R.**; Khajedaluee, M.; Abrishami, M.; Basiri, M.; Daneshvar K., R; Pourreza, R.; "Distribution of normal superficial ocular vessels in digital images"; Contact Lens & Anterior Eye; Vol. 37; Issue 1; pp. 11-15; Feb.2014. (ISSN: 1367-0484)

2013

1. 4.Sigari, M.H.; Soltanianzade, H.; **Pourreza, H.R.**; "Goal Event Detection in Soccer Video Based on Fuzzy Reasoning System"; *Journal of Computer Vision and Image Processing*; Vol. 1; N0. 1; Summer 2013. (In Persian)
2. 5.Mirsharif, Q.; Tajeripour, F.; **Pourreza, H.R.**; "Automated characterization of blood vessels as arteries and veins in retinal images"; *Computerized Medical Imaging and Graphics*; Vol. 37; Issue 7; pp. 607-617; Oct. 2013. (ISSN: 0895-6111)
3. 6.Bahreyni T., M.T.; Pourreza, H.R.; Zare, H.; Sigari, M.H.; Layegh, P.; Azimi, A.; "An effective hair removal algorithm for dermoscopy images;" *Skin Research and Technology*; Vol. 19; Issue 3; pp. 230-235; Aug. 2013. (ISSN: 1600-0846)
4. 7.Tavakioli, M.; Pourreza Sh., R.; **Pourreza, H.R.**; Mehdizadeh, A.; Banaee, T.; "A complementary method for automated detection of microaneurysms in fluorescein angiography fundus images to assess diabetic retinopathy"; *Elsevier Pattern Recognition*; Volume 46; Issue 10; pp 2740-2753; October 2013. (ISSN: 0031-3203)
5. 8.Rajaei, B.; Maugey, T.; **Pourreza, H.R.**; Frossard, P.; "Rate-distortion analysis of multiview coding in a DIBR framework;" *Annals of Telecommunications*; Vol. 68; Issue 11-12; pp. 627-640; Dec. 2013. (ISSSN: 0003-4347)

2012

1. 9.Sigari, M.H.; Pourshahabi, M.R.; **Pourreza, H.R.**; " An Ensemble Classifier Approach for Static Signature Verification Based on Multi-Resolution Extracted Features"; *International Journal of Signal Processing, Image Processing and Pattern Recognition*; Vol. 5; No. 1; pp. 21-35; March, 2012. (ISSN: 2005-4254)

10. Kiani, V.; **Pourreza, H.R.**; " An Effective Slow-Motion Detection Approach for Compressed Soccer Videos"; *International Scholarly Research Network; ISRN Machine Vision*; Volume 2012, Article ID 424671. (ISSN: 2090-780x)

11. Babaee Kashany, V.; **Pourreza, H.R.**; " Camera parameters estimation in soccer scenes on the basis of points at infinity"; *IET Computer Vision*; Vol. 6, Iss. 2, pp. 133–139; 2012. (ISSN: 1751-9632) (Q3, SJR=0.37)

12. Pourreza A.R.; **Pourreza, H.R.;** Abbaspour-Fard, M.H.; Sadrnia, H.; "Identification of nine Iranian wheat seed varieties by textural analysis with image processing"; *Elsevier Computers and Electronics in Agriculture*; Vol. 83; Apr. 2012. (ISSN: 0168-1699) (Q1, SJR=0.97)

13. Maleki, A.; Rajaee, B.; **Pourreza, H.R.**; "Rate-Distrotion Analysis of Directional Wavelets"; *IEEE Trans. On Image Processing*; Vol. 21; No. 2; Feb. 2012. (ISSN: 1057-7149) (Q1, SJR=1.98)

15. Zabihi, S.M.; **Pourreza, H.R.**; Banaee, T.; "Vessel Extraction of Conjunctival Images Using LBPs and ANFIS"; *International Scholarly Research Network; ISRN Machine Vision*; Volume 2012, Article ID 424671. (ISSN: 2090-780x)

2011

16. Soleymanpour, E.; **Pourreza, H.R.**; Ansaripour, E.; Sadoghi Y., M.; "Fully Automatic Lung Segmentation and Rib Suppression Methods to Improve Nodule Detection in Chest Radiographs"; *Journal of Medical Signals and Sensors*; Vol.1; No. 3; pp 191-199; Sep. 2011. (ISSN 2228-7477)

17. Sigari, M.H.; Pourshahabi, M.R.; **Pourreza, H.R.**; "Offline Handwritten Signature Identification and Verification Using Multi-Resolution Gabor Wavelet"; *Int. Journal of Biometrics and Bioinformatics*; Vol. 5; Issue 4; pp. 234-248; Oct. 2011. (ISSN 1985-2347)

18. Hosseinabadi, F.; Zebarjad, M.; Mazinani, M.; Kiani, V.; **Pourreza, H.R.**; "Effect of nano-size Calcium Carbonate on Perforation Resistance of Medium-density Polyethylene"; *Journal of Advanced Materials in Engineering*; Vol. 30; No. 2; pp. 37-49; 2011. (In Persian)

19. Lotfi, E.; **Pourreza, H.R.**; "Path Normalization for Traffic Surveillance Video Retrieval"; *Majlesi Journal of Multimedia Processing*; Vol.1; No. 3; 2011. (ISSN 2251-6255)

20. Tavakoli, M.; Mehdizade, A.; Pourreza, R.; Banaee, T.; Bahreini T., M.H.; **Pourreza, H.R.**; "Early Detection of Diabetic Retinopathy in Fluorescent Angiography Retinal Image Using Image Processing Methods"; *Iranian Journal of Medical Physics (IJMP);* Vol. 7; No. 4; pp. 7-14; Feb. 2011. (In Persian)

2010

21. Pourreza, R.; **Pourreza, H.R.**; Banaee, T.; Daneshvar K., Ramin; "Retina Vessel Detection Based on Local Radon Transform"; *Iranian Journal of Medical Physics (IJMP);* Vol. 7; No. 3; Dec. 2010. (In Persian)

22. Javidi, M.; **Pourreza, H.R.;** Sadoghi Y., H.; "A Semantic Feedback Framework for Image Retrieval"; *Int. J. Computer and Electrical Engineering (IJCEE)*; Vol. 2; No. 3; pp. 417-425; June 2010. (ISSN 1793-8163)

23. Modaghegh, H.; Javidi, M.; Sadoughi Yazdi, H. and **Pourreza, H.R.**; "Learning of Relevance Feedback Using a Novel Kernel Based Neural Network"; *Australian Journal of Basic and Applied Science*; Vol. 4; No. 2; 2010. (ISSN 1991-8178)

2009

24. Sadoghi Yazdi, H.; Javidi, M.; **Pourreza, H.R.**; "SVM-based relevance feedback for semantic video retrieval"; *Int. J. Signal and Imaging Systems Engineering (IJSISE)*; Vol. 2; No. 3; pp. 99-108; 2009. (ISSN: 1748-0698)

25. Kiani, V.; Pourreza, R.; **Pourreza, H.R.**; "Offline Signature Verification Using Local Radon Transform and Support Vector Machines"; *International Journal of Image Processing*; Vol. 3; Issue 5; pp. 184-194; 2009. (ISSN: 1985-2304)

26. **Pourreza, H.R.**; Bahreini T., M.H.; Mehdizade, A.; Pourreza, R.; Tavakkoli, M.; "Automatic Detection of Microaneurysm in Color Fundus Image by Local Radon Transform"; *Iranian Journal of Medical Physics (IJMP)*; Vol. 6; No. 1; pp. 13-20; June 2009. (In Persian)

27. Azizi, A.; **Pourreza, H.R.**; "Efficient IRIS Recognition Through Improvement of Feature Extraction and Subset Selection"; *Int. Journal of Computer Science and Information Security (IJCSIS)*; Vol. 2; No. 1; pp. 71-80; June 2009. (ISSN: 1947-5500)

2008

28. Nasiri, J.A.; Khanchi, S.; **Pourreza, H.R.**; Vahedian, A.; "A Novel Algorithm on Facial Color Images for Detection Eyes"; *Int. Journal of Factory Automation, Robotics and Soft Computing*; Issue 2; Apr. 2008. (ISSN: 1828-6984)

29. Rahbar, K.; **Pourreza, H.R.**; "Inside Looking Out Camera Pose Estimation for Virtual Studio"; *Elsevier Graphical Models*; No. 70; Feb. 2008. (ISSN:1524-0703)

30. **Pourreza, H.R.**; Pourreza Sh., R.; Fazeli, B; Taghizade, B.; " Automatic Detection of Eggshell Defects Based on Machine Vision "; *Journal of Animal and Veterinary Advances*; Vol. 7; No. 10; 2008. (ISSN: 1680-5593)

31. Shaffafi, M., Feng, H., Razavi, S.M.A., Shahidi, F. and **Pourreza, H.R.**, "Image Analysis and Dynamic Modeling of Thin Layer Drying of Osmotically Dehydrated Pumpkin", *Journal of Food Processing and Preservation*; Vol. 32; Issue 1; pp. 88-102; Feb 2008. (ISSN: 0145-8892)

32. Sigari, M.H.; Mozayani, N.; **Pourreza, H.R.**; "Fuzzy Running Average and Fuzzy Background Subtraction: Concepts and Application"; *IJCSNS Int. Journal of Computer Science and Network Security*, Vol. 8; No. 2; pp. 138-143; Feb. 2008. (ISSN: 1738-7906)

33. Shaffafi, M.; Devahestein, S.; Razavi, S.M.A.; Shahidi, F. and **Pourreza, H.R.**; "Use of Artificial Neural Network and Image Analysis to Predict Physical Properties of Osmotically Dehydrated Pumpkin"; *Drying Technology, An International Journal*; Vol. 26; Issue 1; pp. 132-144; Jan. 2008.(ISSN: 0737-3937)

…-2007

34. M. Kazemi, F; Samadi, S.; **Pourreza, H.R.**; Akbarzade, M.R.; "Vehicle Recognition Based on Fourier, Wavelet and Curvelet Transforms - a Comparative Study"; *IJCSNS Int. Journal of Computer Science and Network Security*, Vol. 7; No. 2; pp. 130-135; Feb. 2007. (ISSN: 1738-7906)

35. Lotfi, E.; **Pourreza, H.R.**; "Summerization Soccer Videos without Detecting the Events"; *IJCSNS Int. Journal of Computer Science and Network Security*, Vol. 6; No. 10; pp. 130-135; Oct. 2006. (ISSN: 1738-7906)

36. **Pourreza, H.R.**; Rahmati, M.; Behazin, F; " Adaptive Pixel Difference Classification, an Efficient and Cost Effective Algorithm for Motion Estimation "; Printed in the book of: **"Advances in Multimedia, Video and Signal Processing Systems"**; (ISBN: 960-8052-72-6) Electrical and Computer Eng. Series, *A Series of Reference Books and Textbooks*; 2002.

37. **Pourreza, H.R.**; Rahmati, M.; Behazin, F.; "New Matching Criteria for Video Compression Application: Appropriate for Hardware Implementation" *Amirkabir Scientific & Research Journal*, Vol. 15., No. A57. Winter 1382 (In Persian).

- [Conference](#)

2014

1. Faal H., F.; Pourreza, H.R.; Saadatmand T., M.; "Recognition of Retina's Layers in OCT Images"ICEE2014

2. Imani, S.E.; **Pourreza, H.R.**; Banaee, T.; "Automatic Diabetic Retinopathy Screening Based on Geometrical Wavelet"; *19th National CSI Computer Conf. (CSI2014)*; Tehran; Iran; Mar. 2014. (In Persian)

3. Banaee, T; Ehsaei, A.; **Pourreza, H.R.**; Abrishami, S.; Basiri, M. Pourreza, R..; "Comparision of the Distribution of Different Sized Vesseles in Ocular Surface Images of Diabetic and Normal Individuals"; The 4rd Annual Congress of Iranian Research Association for Vision and Ophthalmology (IRAVO2014); Tehran; Iran; Feb. 13; 2014.

4. Khalilipour, E.; **Pourreza, H.R.**; Gharib, A.H.; Shadravan, M.; Karkhaneh, R.; Rouhipour, R.; Dastjani F., A.; Riazi E., M.; "Plus Disease Detection with a Novel Automated Algorithm"; The 4rd Annual Congress of Iranian Research Association for Vision and Ophthalmology (IRAVO2014); Tehran; Iran; Feb. 13; 2014.

5. Gharib, A.H.; Hanafi, H.R.; **Pourreza, H.R.**; Riazi E., M.; Khalilipour, E.; "Assessment of Blood Vessel Tortuosity and Width in Retinopathy of Prematurity Using ROPAssist"; The 4rd Annual Congress of Iranian Research Association for Vision and Ophthalmology (IRAVO2014); Tehran; Iran; Feb. 13; 2014.

2013

6. **Pourreza, H.R.**; Pourreza, M.; Banaee, T.; "Simple and Efficient Method to Measure Vessel Tortuosity"; 3rd Int. Conf. On Computer and Knowledge Engineering (ICCKE2013); Mashhad; Iran; Oct. 31- Nov. 1; 2013.

7. Kiani, V.; **Pourreza, H.R.**; "Flexible Soccer Video Summarization in Compressed Domain"; 3rd Int. Conf. On Computer and Knowledge Engineering (ICCKE2013); Mashhad; Iran; Oct. 31- Nov. 1; 2013.

8. Haeri, T; **Pourreza, H.R.**; " A novel iris recognition method with multi-class support vector data description classifier"; *8th Iranian Conf. on Machine Vision and Image Processing (MVIP2013)*; Zanjan; Iran; Sep. 10-12; 2013.

2012

9. Ghafourian F.E., M.; **Pourreza, H.R.**; "Localization of Hard Exudates in Retinal Fundus Image by Mathematical Morphology Operations"; 2nd Int. Conf. On Computer and Knowledge Engineering (ICCKE2012); Mashhad; Iran; Oct. 18-19; 2012.

10. Ghadiri, F.; **Pourreza, H.R.**; Banaee, T.; "A Novel Automatic Method for Vessel Tortuosity Evaluation"; 19th International Conference on Systems, Signals and Image Processing (IWSSIP2012); Vienna, Austria; April 11-13; 2012.

11. Ghadiri, F.; Zabihi, S.M.; **Pourreza, H.R.**; Banaee, T.; "A Novel Method for Vessel Detection Using Contourlet Transform"; National Conference on Communications (NCC2012); India; Kharakpur; Feb. 3-5; 2012.

2011

12. Ghadiri, F.; **Pourreza, H.R.**; Banaee, T.; Delgir, M.; "Retinal Vessel Tortuosity Evaluation via Circular Hough Transform"; 18th Iranian Conference of Biomedical Engineering (ICBME2011); Tehran; Iran; Dec. 14-16; 2011.

13. Kiani, V.; **Pourreza, H.R.;** "Robust GME in encoded MPEG video"; Proceedings of the 9th International Conference on Advances in Mobile Computing and Multimedia (MoMM2011); Ho Chi Minh City, Vietnam; 3-7 Dec.; 2011.

14. Tavakoli, M.; Mehdizadeh, A.R.; Pourreza, R.; **Pourreza, H.R.**; Banaee, T.; Bahreini Toosi, M.H.; "Radon Transform Technique for Linear Structures Detection: Application to Vessel Detection in Fluorescein Angiography Fundus Images"; IEEE Nuclear Science Symposium and Medical Imaging Conference 2011 (NSS/MIC2011); Valencia; Spain; Oct. 23-29; 2011.

15. Tavakoli, M.; Bahreini Toosi, M.H; Pourreza, R.; Banaee, T.; **Pourreza, H.R.;**"Automated Optic Nerve Head Detection in Fluorescein Angiography Fundus Images"; IEEE Nuclear Science Symposium and Medical Imaging Conference 2011 (NSS/MIC2011); Valencia; Spain; Oct. 23-29; 2011.

16. Aghighi, V.; Akbarzadeh-T, M.R.; Yaghoobi, M.; **Pourreza, H.R.**; "Adaptive Edge Detection Based on Interval-Valued Fuzzy Sets"; *7th Iranian Conf. on Machine Vision and Image Processing (MVIP11)*; Tehran; Iran; Nov. 16-17; 2011.

17. Mirsharif, G.; Tajeripour, F.; Sobhanmanesh, F.; **Pourreza, H.R.**, Banaee, T.; "Developing an automatic method for separation of arteries from veins in retinal images"; *International Conference on Computer and Knowledge Engineering (ICCKE2011)*; Mashhad; Iran; Oct. 13-14, 2011.

18. Poostchi, H.; Khakmardan, S.; **Pourreza, H.R.**; "Diabetic Retinopathy Dark Lesion Detection: Preprocessing Phase"; *International Conference on Computer and Knowledge Engineering (ICCKE2011)*; Mashhad; Iran; Oct. 13-14, 2011.

19. Masoudifar, M.; **Pourreza, H.R.**; Manafzade, M.; "LSP: Local similarity pattern, a new approach for rotation invariant noisy texture analysis"; *18th IEEE Int. Conference on Image processing (ICIP2011)*; Brussels; Belguim; 11-14 Sep.; 2011.

20. Maleki, A.; Rajaei, B.; **Pourreza, H.R.**; "Rate-distortion improvement of directional wavelets by megablocking"; *IEEE Int Conf. on Acoustics, Speech and Signal Processing (ICASSP2011)*; Prague; Czech Republic; May 22-27; 2011.

21. Sigari, M.H.; Soltanianzade, H.; **Pourreza, H.R.**; "News Video Analysis for Face Detection/Identification and Boundary Shot Detection"; *16th International CSI Computer Conf. (CSICC2011)*; Tehran; Iran; Mar. 2011. (In Persian)

22. Mirzaei, O.; Irani, H.; **Pourreza, H.R.**; "Offline Signature Recognition using Modular Neural Networks with Fuzzy Response Integration"; *International Conference on Network and Electronics Engineering (ICNEE2011)*; Singapore; Sep. 16-18; 2011.

23. Abbaspour-Fard, M.H.; Pourreza, A.; **Pourreza, H.R.**; Sadrnia, H.; "Wheat Class Identification Using LBP, LSP and LSN Textural Features and Monochrome Images"; *The 12th Annual Conference of Thai Society of Agricultural Engineering*, Thailand; 31 March-1 April 2011.

2010

24. Ghazikhani, A.; **Pourreza, H.R.**; "Vessel detection in retinal images using Radon transform and genetic algorithm"; *6th Iranian Conf. on Machine Vision and Image Processing (MVIP2010)*; Esfahan; Iran; Oct. 27-28; 2010.

25. Zabihi, S.M.; Delgir, M.; **Pourreza, H.R.**; "Retinal Vessel Segmentation Using Color Image Morphology and Local Binary Patterns"; *6th Iranian Conf. on Machine Vision and Image Processing (MVIP2010)*; Esfahan; Iran; Oct. 27-28; 2010.

26. Babaee K., V.; **Pourreza, H.R.**; "Camera Pose Estimation in Soccer Scenes Based on Vanishing Points and its Application in Virtual Advertisement Insertion"; *6th Iranian Conf. on Machine Vision and Image Processing (MVIP2010)*; Esfahan; Iran; Oct. 27-28; 2010.

27. Ghazikhani, A.; **Pourreza, H.R.**; "A Novel Algorithm for Linear Feature Detection in Images"; *6th Iranian Conf. on Machine Vision and Image Processing (MVIP2010)*; Esfahan; Iran; Oct. 27-28; 2010.

28. Soleymanpour, E.; Rajaee, B.; **Pourreza, H.R.**; "Offline Handwritten Signature Identification and Verification Using Contourlet Transform and Support Vector Machine"; *6th Iranian Conf. on Machine Vision and Image Processing (MVIP2010)*; Esfahan; Iran; Oct. 27-28; 2010.

29. Babaee K., V.; **Pourreza, H.R.**; "Camera Pan and Tilt Estimation in Soccer Scenes Based on Vanishing Points"; *UKSim Fourth European Modelling Symposium on Computer Modelling and Simulation (EMS2010)*; Italy; Nov. 17-19; 2010.

30. Babaee K., V.; **Pourreza, H.R.**; "Camera Pose Estimation in Soccer Scenes Based on Vanishing Points"; *IEEE Int. Symposium on Haptic Audio-Visual Environments and Games (HAVE2010)*; Phoenix, USA; 16-17 Oct. 2010.

31. R. Tavakoli, H.; **Pourreza, H.R.**; Rahati Gh., S.; "Study of Gabor and Local Binary Pattern for Retinal Image Analysis"; *Third Int. Workshop on Advanced Computational Intelligence (IWACI 2010)*; Suzhou; China, 25-27 Aug. 2010.

32. Pourreza, A.; **Pourreza, H.R.**; Aghkhani, M.H.; "An Automatic Foreign Materials Detection of Barberries Using Red-Free Image Processing"; *Third Int. Workshop on Advanced Computational Intelligence (IWACI 2010)*; China, Aug. 2010.

33. Pourreza, R.; **Pourreza, H.R.**; Banaee, T.;"Segmentation of Blood Vessels in Fundus Color Images by Radon Transform and Morphological Reconstruction"; *Third Int. Workshop on Advanced Computational Intelligence (IWACI 2010)*; China, Aug. 2010.

34. Fakour, H.; Vahedian, A.; **Pourreza, H.R.**; "Improvement of Camera Calibration in Soccer Field Using Simulated Annealing"; *The 6th Int. Conf. on Wireless Communications, Networking and Mobile Computing (WiCOM2010);* Chengdu; China; Sep. 23-25; 2010

35. Rajabzadeh, T.; Vahedian, A.; **Pourreza, H.R.**; "Static Object Depth Estimation Using Defocus Blur Levels Features"; *The 6th Int. Conf. on Wireless Communications, Networking and Mobile Computing (WiCOM2010);* Chengdu; China; Sep. 23-25; 2010

36. Fakour, H.; Vahedian, A.; **Pourreza, H.R.**; "Camera Calibration in Soccer Field Based on Simulated Annealing Algorithm"; *15th International CSI Computer Conf. (CSICC2010)*; Tehran; Iran; 21-23 Feb. 2010. (In Persian)

37. Rajabzadeh, T.; Vahedian, A.; **Pourreza, H.R.**; "Mobile Objects Depth Estimation Based on Defocuse Blure Levels Features"; *15th International CSI Computer Conf. (CSICC2010)*; Tehran; Iran; 21-23 Feb. 2010. (In Persian)

38. Sedaghat, N.; **Pourreza, H.R.**; "An Accurate Fuzzy Edge Detection Method Using Wavelet Details Subimages"; *SPIE 2nd International Conference on Digital Image Processing (ICDIP2010)*; Singapore; 26-28 Fab. 2010.

2009

39. R. Tavakoli, H.; **Pourreza, H.R.**; "Automatic Center of Radial Distortion Estimation, Using Active Targets"; *The 9th Asian Conference on Computer Vision (ACCV2009)*; China; 23-27 Sep. 2009.
40. Pourshahabi, M.R.; **Pourreza, H.R.**; Findle, O.; Daneshvar, R.; Buehl, W.; "CPCO: Contourlet Based PCO Quantification System"; *Int. Conf. on Soft Computing and Pattern Recognition (SoCPar2009)*; Malaysia, 4-7 Dec. 2009.
41. Pourshahabi, M.R.; Sigari, M.H.; **Pourreza, H.R.**; "Offline Handwritten Signature Identification and Verification Using Contoulet Transform"; *Int. Conf. on Soft Computing and Pattern Recognition (SoCPar2009)*; Malaysia, 4-7 Dec. 2009.
42. Azizi, A.; **Pourreza, H.R.**; "A Novel and Efficient to Extract Features and Vector Creation in Iris Recognition System "; *The 32nd Annual Conference on Artificial Intelligence (KI 2009)*; Germany; 15-18 Sep. 2009.
43. Azizi, A.; **Pourreza, H.R.**; "A New Method for Iris Feature Extraction Based on Conturlet Transform and Non-linear Approximation Coefficients"; *Int. Conf. on Intelligent Computing (ICIC 2009)*; Korea; 16-19 Sep. 2009.
44. Azizi, A.; **Pourreza, H.R.**; "A Novel Method Using Contourlet to Extract Feature for Iris Recognition System "; *Int. Conf. on Intelligent Computing (ICIC 2009)*; Korea; 16-19 Sep. 2009.
45. Rezazadegan Tavakoli, H. ; **Pourreza, H.R.**; "An automated camera calibration framework for desktop vision systems"; *Int. Conf. on Advances in Computational Tools for Engineering Applications (ACTEA2009)*; Lebanon; 15-17 July 2009.
46. Lotfi, E; Akbarzadeh_t, M.R.; **Pourreza, H.R.**, Yaghoubi, M.; Dehghan, F.; "A Hybrid Method for Soccer Video Events Retrieval Using Fuzzy Systems"; *2009 EUSFLAT (European Society of Fuzzy Logic and Technology) Congress*; Portugal; 20-24 July 2009.
47. Azizi, A.; **Pourreza, H.R.**; "A Novel Method for Iris Feature Extraction Based on Conturlet Transform and Co-occurrence Matrix"; *IADIS Int. Conf. Intelligent Systems and Agents (ISA 2009)*; Portugal; 21-23 June 2009.

2008

48. Javidi, M.; Aski, B.S.; Homaei, H.; **Pourreza, H.R**; " A New Approach for Interactive Image Retrieval Based on Fuzzy Feedback and Support Vector Machine "; *International Conference on [Computational Intelligence for Modeling Control & Automation,](#) Austria; Dec. 2008*
49. Foroughi, H.; Shakeri A., B.; **Pourreza, H.R.**; "Intelligent Video Surveillance for Monitoring Fall Detection of Elderly in Home Environments"; *11th Int. Conf. on Computer and Information Technology (ICCIT 2008)*; Bangladesh; Dec. 2008.
50. Lotfi, E.; Yaghoobi, M.; **Pourreza, H.R.**; "A New Approach for Automatic Quality Control of Fried Potatoes Using Machine Learning"; *7th IEEE Int. Conf. on Cybernetic Intelligent Systems*; London, UK; Sep.2008.
51. Yousefzade, V.; **Pourreza, H.R.**; "Seperation of Non-linear Mixture Images Based on Non-linear ICA"; *5th Iranian Conf. on Machine Vision and Image Processing (MVIP08)*; Tabriz; Iran; Nov. 2008. (In Persian)
52. Shadroo, Sh.; **Pourreza, H.R.**; " Model-Based Audio-Visual Speech Recognition System"; *5th Iranian Conf. on Machine Vision and Image Processing (MVIP08)*; Tabriz; Iran; Nov. 2008. (In Persian)
53. Habibipour, M.; Poustchi, M.; **Pourreza, H.R.**; Rahati Gh., S.; "Skin Detection Based on Reinforcement Learning"; *5th Iranian Conf. on Machine Vision and Image Processing (MVIP08)*; Tabriz; Iran; Nov. 2008. (In Persian)
54. Pourreza, R.; Banaee, T.; **Pourreza, H.R.**; Daneshvar, K.; "A Radon Transform Based Approach for Extraction of Blood Vessels in Conjunctival Images"; *7th Mexican Int.Conf. on Artificial Intelligence (MICAI2008)*; Mexico; Oct. 2008.

55. Pourreza, R.; Khademi, M.; **Pourreza, H.R.**; R. Mashhadi, H.; "Robust Camera Calibration of Soccer Video using Genetic Algorithm"; *IEEE Int. Conf. on Intelligent Communication and Processing (ICCP2008)*; Romania; Aug. 2008.

56. Foroughi, H.; Sadoghi Y., H.; **Pourreza, H.R.**; Javidi, M.; "An Eignspace-Based Approach for Human Fall Detection Using Integrated Time Motion Image and Multi-class Support Vector Machine"; *IEEE Int. Conf. on Intelligent Communication and Processing (ICCP2008)*; Romania; Aug. 2008.

57. Javidi, M.; **Pourreza, H.R.**; Sadoghi Y., H.; Foroughi, H.; "A Short Term and Long Term Learning Based on Fuzzy Transaction Repository and Feature Re-Weighting"; *IEEE Int. Conf. on Intelligent Communication and Processing (ICCP2008)*; Romania; Aug. 2008.

58. Sigari, M.H.; Pourshahbi, M.R.; **Pourreza, H.R.**; "Offline Handwritten Signature Identification Using Grid Gabor Feature and Support Vector Machine"; *16th Iranian Conference on Electrical Engineering (ICEE08)*; Tehran; 13-15 May 2008.

59. Sigari, M.H.; Pourshahbi, M.R.; **Pourreza, H.R.**; "Offline Handwritten Signature Identification Using Gabor Wavelet"; *16th Iranian Conference on Electrical Engineering (ICEE08)*; Tehran; 13-15 May 2008. (In Persian)

60. Houshmand, M.; **Pourreza, H.R.**; Meymandi-nejad, M.; "A Novel Technique for Finding the 3Degree of Freedom Orientation by an Ultrasound Tracker"; *16th Iranian Conference on Electrical Engineering (ICEE08)*; Tehran; 13-15 May 2008.

61. Eildarabadi, S.; Ebrahimi, M.; Yaghoobi, M.; **Pourreza, H.R.**;"Static Hand Gesture Recognition Using Appearance Based Features"; *16th Iranian Conference on Electrical Engineering (ICEE08)*; Tehran; 13-15 May 2008. (In Persian)

62. Sigari, M.H.; **Pourreza, H.R.**; "Design and Implementation of a Commercial System for Detection and Counting Vehicles, Based on Video Processing Technology"; *The 8th Iranian Conference on Traffic & Transportation Engineering (ITTE2008)*; Tehran; 13-15 May 2008. (In Persian)

63. Nasiri, J.A.; Khanchi, S.; **Pourreza, H.R.**; "Eye Detection Algorithm on Facial Color Images"; *Second Asia International Conference on Modelling & Simulation (AMS2008)*; KL; Malaysia; 13-15 May 2008.

64. Ghoochanizade, A; **Pourreza, H.R.**; Alizade, K.; "Table Tennis Referee Advising Based on Machine Vision"; *6th International Congress on Physical Education and Sport Sciences (ICPESS08)*; Kish, Iran; 4-6 March 2008. (In Persian)

2007

65. Rezazadegan T., H.; **Pourreza, H.R.**; "An Enhanced Retina Vessel Detection Algorithm"; *International Joint Conference on Computer, Information, and Systems Sciences, and Engineering (CISSE07)*; USA; 3-12 Dec. 2007.

66. Yavari, A.; **Pourreza, H.R.**; "Visual Attention in Foveated Images"; *International Joint Conference on Computer, Information, and Systems Sciences, and Engineering (CISSE07)*; USA; 3-12 Dec. 2007.

67. Mohamad Kazemi, F.; **Pourreza, H.R.**; "Vehicle Recognition Using Curvelet Transform and Thresholding"; *International Joint Conference on Computer, Information, and Systems Sciences, and Engineering (CISSE07)*; USA; 3-12 Dec. 2007.

68. N. Abazari T.,N.; **Pourreza, H.R.**; "Vector Based Edge Detection in YUV Color Images"; *3th Information and Knowledge Technology Conf. (IKT07)*; Mashhad, Iran; 26-28 Nov. 2007. (In Persian)

69. **Pourreza, H.R.**; A. Ghazikhani, A.; "Evaluation of FCM Algorithms with Spatial Constrains for Blood Vessel Detection in Retinal Images"; *3th Information and Knowledge Technology Conf. (IKT07)*; Mashhad; Iran; 26-28 Nov. 2007. (In Persian)

70. Saberi. K., M.; **Pourreza, H.R.**; "Evaluation of Tomato Classification Algorithms"; *3th Information and Knowledge Technology Conf. (IKT07)*; Mashhad; Iran; 26-28 Nov. 2007. (In Persian)

71. Shadroo, S.; Maarefdoost, R.; Yaghoobi, M.; **Pourreza. H.R.**; "Image Segmentation based on Multi-Fractal Estimation, Entropy and Fuzzy Clustering"; *First Joint Congress on Fuzzy and Intelligent Systems*; Mashhad; 28-30 Aug. 2007. (In Persian)

72. Shadroo S.; Eildarabadi, S.; Fakhlaee, M.; **Pourreza, H.R.**; "Tomato Classification Based on SVM, MLP and LVQ"; *First Joint Congress on Fuzzy and Intelligent Systems*; Mashhad; 28-30 Aug. 2007. (In Persian)

73. M. Kazemi, F.; Samadi, S.; **Pourreza, H.R.**; Akbarzadeh-T, M.R.; "Vehicle Recognition Using Curvelet Transform and SVM"; *Proc. IEEE Int. Conf. on Information Technology (ITNG'07)*; USA; 2007.

74. M. Kazemi, F.; Samadi, S.; **Pourreza, H.R.**; Akbarzadeh-T, M.R.; "Vehicle Recognition Based on Fourier, Wavelet and Curvelet Transform – A Comparative Study"; *Proc. IEEE Int. Conf. on Information Technology (ITNG'07)*; USA; 2007.

75. Nayebi A., A.H.; Pariz, N.; **Pourreza, H.R.**; "3-D Tracking of Rigid Objects Based on Single Camera"; *15th Iranian Conf. on Electrical Eng. (ICEE2007)*; Tehran; Iran; 2007. (In Persian)

76. Rahbar, K.; **Pourreza, H.R.**; "The Study and Analysis of Effective Parameters on Camera Pose Estimation Process for Virtual Studio"; *12th International CSI Computer Conf. (CSICC07)*; Tehran; Iran; 2007.

77. Rahbar, K.; **Pourreza, H.R.**; "An Iterative Geometrical Noise Cancellation Approach to Closed-form Camera Pose Estimation"; *12th International CSI Computer Conf. (CSICC07)*; Tehran; Iran; 2007.

78. Nasiri, J.A.; Khanchi, S.; **Pourreza, H.R.**; "Eye Detection in Color Images"; *4th Iranian Conf. on Machine Vision and Image Processing (MVIP07)*; Mashhad; Iran; 2007.

79. Rajaee, B.; Pourreza, H.R.; "Rotation and Scale Invariant Texture Classification Based on Curvelet Transform"; *4th Iranian Conf. on Machine Vision and Image Processing (MVIP07)*; Mashhad; Iran;2007. (In Persian)

80. Shaffafi Zenoozian, M.; **Pourreza, H.R.**; Sigari, M.H.; Razavi, M.a.; Shahidi, F.; "An Application of Image Analysys to Dehydration of Osmosed Pumpkin by Hot Air Drying"; *4th Iranian Conf. on Machine Vision and Image Processing (MVIP07)*; Mashhad; Iran;2007.

81. Lotfi, E.; Pourreza, H.R.; "Event Detection and Automatic Summarization in Soccer Video"; *4th Iranian Conf. on Machine Vision and Image Processing (MVIP07)*; Mashhad; Iran;2007.

82. Hosseiniparvar, S.H.; **Pourreza, H.R.**; Mortazavi, S.A.; Razavi, S.M.A.; Khanipour, E.; "Food Quality Evaluation Based on Computer Vision Systems"; *4th Iranian Conf. on Machine Vision and Image Processing (MVIP07)*; Mashhad; Iran;2007. (In Persian)

2006

83. Rajaee, B.; **Pourreza, H.R.**; "Texture Classification Using Curvelet Transform"; *3th Int. Conference on Artificial Intelligence in Engineering and Technology (ICAIET-2006)*; Malaysia; Nov. 2006.

84. Vahdat, H.; **Pourreza, H.R.**; Ebrahimi, H.;"A Novel Fuzzy Technique for Image Noise Reduction"; *Int. Conf. on Computational and Information Sciences (ICCIS06)*; Czech; Aug. 2006.

85. Mohammad Kazemi, F.; **Pourreza, H.R.**; Akbari, A.; Rahbar, K.; Mohammad Kazemi, E.; "On the Performance of Multiwavelets for Handwritten Numeral Recognition"; *14th Iranian Conf. on Electrical Eng. (ICEE2006);* Iran; May 2006.

2000-2005

86. **Pourreza, H.R.**; Ameli, M.; Naebi, A.H.; Fazeli, S.; Taghizade. B.; "Automatic Detection of Eggshell Defects Based on Image Processing"; *The 4th Int. Conf. on Integrated Systems for Agri-food Production (SIPA'05)*; Romania; Nov. 2005.

87. **Pourreza, H.R.**; Rahmati, M.; Behazin, F; "An Electronic Digital Image Stabilizer Based on Stationary Wavelet Transform (SWT)"; *IEEE Int. Conf. on Image Processing (ICIP'03)*; Barcelona; Spain; Sep. 2003.

88. **Pourreza, H.R.**; Rahmati, M.; ; Behazin, F. "Adaptive Pel Difference Classification for Motion Estimation Applications"; *8th Annual International CSI Computer Conference (SCICC03)*; Mashhad; Iran, Feb. 2003. (In Persian).

89. **Pourreza, H.R.**; Rahmati, M.; Behazin, F; Nasirzade, M; " Image Stabilization for a Camera on a Moving Vehicle"; *Adanced Vehicle Control Symp. (AVEC '02)*; Tokyo; Japan; Sep. 2002.

90. **Pourreza, H.R.**; Rahmati, M.; Behazin, F; " Adaptive Pixel Difference Classification, an Efficient and Cost Effective Algorithm for Motion Estimation ";*2nd WSEAS Int. Conf. On Signal, Speech and Image Processing (WSEAS ICOSSIP '02)*; Greece; Sep 2002.

91. **Pourreza, H.R.**; Rahmati, M.; Behazin, F.; "Weighted Multiple Bit-Plane Matching, a Simple and Efficient Matching Criterion for Electronic Digital Image Stabilizer Application"; *6th International Conference on Signal Processing (ICSP '02)*; China; Aug.2002.

92. **Pourreza, H.R.**; Behazin, F.; Rahmati, M.; "Evaluation of Electronic Digital Image Stabilizer Algorithms"; *10th Iranian Conf. on Electrical Eng. (ICEE '02)*; Iran, 2002. (In Persian)

93. **Pourreza, H.R.**; Behazin, F.; Rahmati, M.; "A Fast Electronic Digital Image Stabilizer Based on Multiple Bit-plane Matching"; *9th Iranian Conf. on Electrical Eng. (ICEE '01);* Iran, 2001. (In Persian)

94. **Pourreza, H.R.**; Behazin, F.; Rahmati, M.; "A Wavelet-Based Template Locating Criterion for Electronic Digital Image Stabilizer Application"; *IARP Workshop on Machine Vision Applications (MVA 2000)*; Tokyo; Japan; Nov. 2000.

95. **Pourreza, H.R.**; Rahmati, M.; Behazin, F.; "A New Template Locating Criterion for Electronic Image Stabilizer Application"; *Eleventh Annual International Conference on Signal Processing Applications and Technology (ICSPAT 2000)*; USA; Oct. 2000.

96. **Pourreza, H.R.**; Rahmati, M.; Behazin, F.; "Simple and Efficient Bit-Plane Matching Algorithms for Video Compression"; *Workshop on Real-Time Image Sequence Analysis (RISA 2000)*; pp. 33-42; Oulu; Finland; Aug.-Sep. 2000.

97. **Pourreza, H.R.**; Behazin, F.; Rahmati, M.; "A New Matching Criterion for Electronic Digital Image Stabilization Applications" *1st AOCST*; Tehran; Iran; 2000. (In Persian)

...-1999

98. **Pourreza, H.R.**; Laki, A.; Mortazavi, S.S.; "Microprocessor Based Three-phase Transformer Protection Relay"; *13th International Power System Conference (PSC98)*; Tehran; Iran; 1998. (In Persian)

99. **Pourreza, H.R.**; Laki, A.; Motevallizade, M.H.; Mortazavi, S.S.; "Microprocessor Based Multi-function, Multi-curve Over-current Relay"; *3rd Iranian Conf. on Electrical Eng. (ICEE '95)*; Tehran; Iran; 1995. (In Persian)

100. Adibi, A.; **Pourreza, H.R.**; "Design a Microprocessor Based Complete Protection of Power Transformer"; *1st Iranian Conf. on Electrical Eng. (ICEE '93)*; Tehran; Iran; 1993. (In Persian)