

“Curriculum Vitae”

Hossein Nezamabadi-pour

Ph.D.

Assistant Professor, Department of Electrical Engineering

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Date of Birth: May 1976

Place of Birth: Bam, Kerman, Iran

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EDUCATION

Tarbiat Modarres University, Tehran, Iran

Ph.D. Degree, Electrical Engineering

Department of Electrical Engineering

Dates: September 2000 to July 2004

Supervisor: Dr. E. Kabir, PhD.

PhD topic: *Using domain-specific features in an interactive system for color image retrieval*

Tarbiat Modarres University, Tehran, Iran

M.S. Degree, Electrical Engineering

Department of Electrical Engineering

Dates: September 1998 to August 2000

Supervisor: Dr. E. Kabir, PhD.

Thesis topic: *Pre-processing for character segmentation of printed Farsi text*

Shahid Bahonar University of Kerman, Kerman, Iran

B.S. Degree, Electrical Engineering

Department of Electrical Engineering

Dates: September 1994 to August 1998

PROFESSIONAL EXPERIENCE

Assistant Professor, Dept. of Electrical Engineering, Shahid Bahonar University of Kerman, Kerman, Iran.

Dates: September 2004- current.

Lecturer, Dept. of Electrical Engineering, Shahid Bahonar University of Kerman, Kerman, Iran.

Dates: February 2002 to September 2004.

Part time researcher, R&D Dept. of Iran Office Machines Industries(Madiran), Tehran, Iran.

Dates: September 2000 to June 2004.

Teaching Assistant, Dept. of Electrical Engineering, Shahid Bahonar University of Kerman, Kerman, Iran.

Dates: September 1997 to June 1998.

TEACHING

Undergraduate Program

Electronics I, Electronics II, Soft Computing, Image processing.

Postgraduate Program

Artificial Neural Networks.

RESEARCH INTERESTS:

Content-based image indexing and retrieval

Optical character recognition

Computer Vision

Image processing

Pattern recognition

Soft computing

Machine learning

Image coding

Image Watermarking

PUBLICATION

Journal Papers

H.Nezamabadi-pour, S. Saryazdi and E.Rashedi, “*Edge Detection using ant algorithms*”, Accepted for publication, Soft Computing, Springer Verlag.

H.Nezamabadi-pour, and E.Kabir, "Evaluation of dissimilarity measures for image retrieval and classification", Accepted for publication, Journal of Modarres, School of Engineering, Tarbiat Modarres University.

H.Nezamabadi-pour, and E.Kabir, "Combining Low level feature for semantic image classification", Accepted for publication, Journal of Computer, Iranian Association of Computer Science.

M.Molaie-Emamzadeh, A.Hakimi and **H.Nezamabadi-pour**, “A Modified Large Signal Model for Single Gate MESFET Transistors”, Accepted for Publication, Journal of School of Engineering, Tabriz University.

H.Nezamabadi-pour, and E.Kabir, "Image retrieval using histograms of unicolor and bicolor blocks and directional changes in intensity gradient", Pattern Recognition Letters, vol. 25. no. 14, pp. 1547-1557, 2004.

H.Nezamabadi-pour, E.Kabir and R.Azmi, "A Modified Character Segmentation Algorithm for Farsi printed text using upper contour labeling", Esteghlal Journal of Engineering, Isfahan University of Technology, vol.23, no.1, pp. 33-48, 2004.

S.M.Mirnejad, **H.Nezamabadi-pour**, and E.Kabir, “Compensating the effect of vertical camera shake by tracking of prominent horizontal edge”, Journal of School of Engineering, Tabriz University, vol.28, no.1, pp.67-72, 2002.

A.S.Monfared, **H. Nezamabadi-pour**, S.A.H.Oghlu, and A.A.Asgharzadeh, "Designing and manufacturing a heat control system of X-ray tubes in multiple exposures", Journal of Babol University of Medical Sciences, vol. 3, no. 4, Autumn 2002.

H.Nezamabadi-pour, A.Khajeh-pour, M.Tavakoli, A.Khajeh-pour, S.Saryazdi and E.Kabir, "A new approach for image indexing and retrieval from DCT domain", Submitted to Iranian Journal of Electrical and Computer Journal.

S.Saryazdi and **H.Nezamabadipour**, “A new approach for color image retrieval and coding based on mathematical morphology”, submitted to the Journal of Computer, Iranian Association of Computer Science.

H.Nezamabadi-pour and S.Saryazdi, "*Image compression based of RBF networks*", submitted to the Journal of School of Engineering, Ferdowsi University of Mashhad.

Conference papers

S.Saryazdi and **H.Nezamabadi-pour**, "*A Blind Digital Watermarking Scheme for Binary Images*", The 3rd Iranian Conference on Machine Vision, Image Processing & Applications (MVIP'05), Tehran, Iran, pp. 422-428, Feb. 2005.

E.Rashedi, **H.Nezamabadi-pour** and S.Saryazdi, "*Persian Handwritten Digit Recognition using Structural Features and Decision Tree*", The 10th Annual CSI Computer Conference (CSICC'05), Tehran, pp. 603-610, Feb. 2005.

H.Nezamabadi-pour and S. Saryazdi, "*An Image Indexing Scheme in JPEG Domain*", The 10th Annual CSI Computer Conference(CSICC'05), Tehran, pp. 195-202, Feb. 2005.

H.Nezamabadi-pour and S. Saryazdi, "*Object-based image indexing and retrieval in DCT domain using clustering techniques*", International Conference on Information Technology, ICIT2004, pp. 207-210, Istanbul, Turkey, 17-19 Dec., 2004.

S. Saryazdi and **H.Nezamabadi-pour**, "*A blind digital watermarking in hadamard domain*", International Conference on Information Technology, ICIT2004, pp. 245-248, Istanbul, Turkey, 17-19 Dec., 2004.

H. Nezamabadi-pour, H. Sodoghi Yazdi and S. Saryazdi, "*A Pattern Based Crossover Operator for Genetic Algorithms*", The 6th Conference on Intelligent Systems (CIS'04), Kerman, Iran, 2004.

H. Nezamabadi-pour, "*Fuzzy color quantization for image indexing and retrieval*", The 6th Conference on Intelligent Systems (CIS'04), Kerman, Iran, 2004.

H. Nezamabadi-pour and E.Kabir, "*Combining low-level features for semantic image classification using genetic algorithm*", The 6th Conference on Intelligent Systems (CIS'04), Kerman, Iran, 2004.

H.Nezamabadi-pour and E.Kabir, "*Semantic-based image retrieval using image classification and relevance feedback*", The 12th Iranian Conference on Electrical Engineering (ICEE'04), Mashhad, vol.2, pp. 120-125, May 2004.

M.Molaie-Emamzadeh, A.Hakimi and **H.Nezamabadi-pour**, "*A Modified Large Signal Model for Single Gate MESFET Transistors*", The 12th Iranian Conference on Electrical Engineering (ICEE'04), Mashhad, vol.4, pp. 66-71, May 2004.

H.Sadoghi-yazdi, **H.Nezamabadi-pour**, M.Ghahari, V.samimi, "*ESD analysis and control on semiconductor components beside enviornmental parameres*", The 12th Iranian Conference on Electrical Engineering (ICEE'04), Mashhad, vol. 4, pp. 247-252, May 2004.

H.Nezamabadi-pour, and E.Kabir, "*Evaluation of dissimilarity measures for image classification*", The 9th CSI Computer Conference (CSICC'04), Tehran, vol. 1, pp.362-370, March 2004.

H.Nezamabadi-pour, S.Saryazdi and A.Ebrahimi, "*Persian font recognition by gabor filters*", The 9th CSI Computer Conference (CSICC'04), Tehran, vol. 1, pp.371-378, March 2004.

H.Nezamabadi-pour, M.Tavakoli, A.Khajeh-pour, S.Saryazdi and E.Kabir, "*A new approach for image indexing and retrieval from DCT domain*", The 9th CSI Computer Conference (CSICC'04), Tehran, vol. 1, pp .47-55, March 2004.

M.Molaie, A.Hakimi, and **H.Nezamabadi-pour**, "*Comparing of genetic algorithm and two numerical algorithms for SGMESFET large signal model optimization*", The 9th CSI Computer Conference (CSICC'04), Tehran, vol. 2, pp. 7-14, March 2004.

H.Nezamabadi-pour, and E.Kabir, "*Direct content access and extraction from quad-tree compressed images*", The 1st International Conference On Information and Knowledge Technology, IKT2003 , Tehran, pp.286-292 Dec. 2003.

E.Rashedi, **H.Nezamabadi-pour**, and S.Saryazdi, "*Edge detection based on ant colony search algorithm*", The 1st International Conference On Information and Knowledge Technology, IKT2003, Tehran, pp. 254-263, Dec. 2003.

S.Saryazdi and **H.Nezamabadi-pour**, "*A new global threshold selecting suitable for using in an OCR system* ", The 1st International Conference On Information and Knowledge Technology, IKT2003, Tehran, pp. 293-299, Dec. 2003.

H.Nezamabadi-pour, and E.Kabir, "*Image retrieval using block-based color histogram and local distribution of intensity gradient*", 2nd Int. Symposium on Telecommunication, IST2003, Isfahan, Iran, pp. 176-180, Sep. 2003.

H.Nezamabadi-pour, E. Kabir, and S. Saryazdi, "*Image retrieval based on color co-occurrence in edgy blocks*", 8th Annual CSI Computer Conference, CSICC'03, Mashhad, 359-364, 2003.

H.Nezamabadi-pour , E.Kabir, and S.Saryazdi, "*Image coding using RBF network and edge patterns*" , The 8th Annual CSI Computer Conference, CSICC'03, pp.487-493, Mashhad, 2003.

H.Nezamabadi-pour, E. Kabir, and S. Saryazdi, "*Image retrieval using color and edge information*", The 2nd Iranian Conference on Machine Vision, Image processing and Applications, MVIP2003, Tehran, vol. 1, 226-232, 2003.

H.M.Afshar, S.Saryazdi, and **H.Nezamabadi-pour**, "*Color image coding by contour*" , 2nd Iranian Conference on Machine Vision, Image Processing and Applications, MVIP'03, vol. 2, pp.211-217, Tehran, 2003.

H.Nezamabadi-pour, H.Sadoghi and E.Kabir, "*Unsupervised color image segmentation using genetic algorithm*" , The 7th Annual CSI Computer Conference, CSICC'02, pp.56-62, Tehran, 2002.

H.Sadoghi, **H.Nezamabadi-pour**, and K.Badie, "*Adaptive step size LMS based on Case Based Reasoning (CBR)*" , The 7th Annual CSI Computer Conference, CSICC'02, pp. 51-57, Tehran, 2002.

A.S.Monfared, **H.Nezamabadi-pour**, S.A.H.Oghlu, A.A. Asgharzadeh, "*A report to construction of a temporal control system for multiple-exposures radiological tubes*" , The Fifth Iranian Congress of Medical Physics, pp. 121-122, 2002.

S.M.Mirnejad, **H.Nezamabadi-pour**, E.Kabir, "*Correcting the effect of camera shake in optical tracking system*" , The 10th Iranian Conference on Electrical Engineering, ICEE'02, vol. 2, pp. 220-225, Tabriz, 2002.

R.Aghaie, , **H.Nezamabadi-pour**, E.Kabir, "*Face detection using neural network*", The 10th Iranian Conference on Electrical Engineering, ICEE'02, vol. 1, pp.463-470, Tabriz, 2002.

H.Nezamabadi-pour and E.Kabir, "*Evaluation of base line location in printed Farsi text*" , The 9th Iranian Conference on Electrical Engineering, ICEE'01, pp.(20-1)-(20-7), Tehran, 2001.

H.Nezamabadi-pour, E.Kabir and R.Azmi, "*Segmentation of touching points from printed Farsi characters*" , 1st Iranian Conference on Machine Vision, Image Processing and Applications, MVIP'01, pp.162-169, Birjand, 2001.

H.Nezamabadi-pour, E.Kabir and R.Azmi, "*Character segmentation for Farsi printed text*" , The 6th Annual CSI Computer Conference, pp.579-590, Esfahan, 2001.

Others

H.Nezamabadi-Pour, E. Kabir, "*Content-Based Image Retrieval*" , Tarbiat Modares University, Electrical Engineering Department, Technical Report, September 2002.

H.Nezamabadi-pour, E. Kabir, "*Color Spaces*" , Tabiat Modares University, Electrical Engineering Department, Internal Report, May 2002.

INVITED TALK

Nov. 2004, Iranian association of electrical and electronic engineer, Branch kerman

REFERENCES

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