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**EDUCATION**

**In Medical Image Processing**Osaka University, JAPAN 1998-null-yesr-char  
**Ph.D In Medical Image Processing**Osaka University, JAPAN 1994-1998  
**M.Sc In Electrical Engineering - Telecommunication**Khajeh Nasireddin Toosi University of Technology 1989-1991  
**B.Sc In Electrical Engineering - Electronic**Amirkabir University of Technology 1984-1989

**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1622** | **25** | **35** | **44** | **0** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

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**2.** Thigh muscle segmentation using a hybrid FRFCM‐based multi‐atlas method and morphology‐based interpolation algorithm. Molaie Malihe, Aghaizadeh Zoroofi Reza (2021)., IET Image Processing, 15(11), 2572-2579.  
  
**3.** A comprehensive review of endoscopic image processing: methods, applications Clinical, advantages and disadvantages. Biniaz Abbas, Aghaizadeh Zoroofi Reza (2020)., Journal of Machine Vision and Image Processing, هفتم(دوم).  
  
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**5.** A Knowledge-Based Modality-Independent Technique for Concurrent Thigh Muscle Segmentation: Applicable to CT and MR Images. مولایی ملیحه, Aghaizadeh Zoroofi Reza (2020)., JOURNAL OF DIGITAL IMAGING, 33(5), 1122-1135.  
  
**6.** Automatic reduction of wireless capsule endoscopy reviewing time based on factorization analysis. Biniaz Abbas, Aghaizadeh Zoroofi Reza, Masud Reza Sohrabi (2020)., Biomedical Signal Processing and Control, 59(101897), 101897.  
  
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**12.** Automatic segmentation of mandibular canal in cone beam CT images using conditional statistical shape model and fast marching. [] [], Aghaizadeh Zoroofi Reza, Abdolali Maryam, Yokota Futoshi, Otake Yoshito, Sato Yoshinobu (2016)., International Journal of Computer Assisted Radiology and Surgery, 12(4), 581-593.  
  
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**15.** Hybrid artificial bee colony algorithem and image processing-based approach for fracture identification in image logs. Javid Mostafa, Memarian Hossein, Mazhari Seyed Mahdi, Aghaizadeh Zoroofi Reza, Tokhmchi Behzad, Khoshbakht Farhad (2015)., Geosciences Scientific Quarterly Journal, 24(96), 141-150.  
  
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**17.** Classification of Normal and Diseased Liver Shapes based on Spherical Harmonics Coefficients. باباپور فرشید, Aghaizadeh Zoroofi Reza, عباسپور تهرانی علی, Akhlaghpour Shahram, Yoshinobo Sato (2014)., JOURNAL OF MEDICAL SYSTEMS, 38(5), 1-9.  
  
**18.** Quantification of Schooling Behavioral Responses of Rosy Barb (Puntius barbus) to Acute Decrease Temperature Fluctuations Using Computer Vision. Babaei Naiij Mahboobeh, Nematollahi Mohammad Ali, Layeqi Mohammad, Aghaizadeh Zoroofi Reza, Shahdoost Ghasem (2012)., Journal of Fisheries(Iranian Journal Of Natural Recources), 65(1), 1-13.  
  
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**24.** A Hybrid Segmentation Framework for Computer-Assisted Dental Procedures. Mohammad Hosntalab, Aghaizadeh Zoroofi Reza, Ali Abbaspour Tehrani Fard, Gholamreza Shirani, Mohammad Reza Asharif, Mohammad Hosntalab, Abbaspour Tehrani Fard Ali, Gholamreza Shirani, Mohammad Reza Asharif (2009)., IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS, E92-D(10), 2253-2263.  
  
**25.** Rapid Automatic Segmentation and Visualization of Teeth in CT - Scan Data. Hossein Akhoondali, Aghaizadeh Zoroofi Reza, Gholamreza Shirani (2009)., JOURNAL OF APPLIED SCIENCES, 9(11), 2031-2044.  
  
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**27.** Automated Dental Recognition By Wavelet Descriptors in CT Multi - Slices Data. Maryam Momeni, Aghaizadeh Zoroofi Reza (2008)., International Journal of Computer Assisted Radiology and Surgery, 3(6), 533-542.  
  
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**31.** . پریسا درویس زاده ورچه ای, Aghaizadeh Zoroofi Reza, Nili Ahmad Abadi Majid (2006).  
  
**32.** Liver segmentation by intensity analysis and anatomical information in multi - slice CT images. Foruzan Ah, Aghaizadeh Zoroofi Reza, Masatoshi Hori, Yoshinobu Sato (2006)., International Journal of Computer Assisted Radiology and Surgery, 4(3), 287-297.  
  
**33.** 3 - D quantification and visualization of vascular structures from confocal microscopic images using skeletonization and voxel - coding. H Soltanian Zadeh, A Shahrokni, Mm Khalighi, Zg Zhang, Aghaizadeh Zoroofi Reza, M Maddah, M Chopp (2005)., COMPUTERS IN BIOLOGY AND MEDICINE, 35(9), 791-813.  
  
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**2.** A new method to evaluate the nasal base view based on color coding. Ashoori Maryam, Aghaizadeh Zoroofi Reza, Sadeghi Mohmmad (2021)., 28th National Conference and 6th International Conference on Biomedical Engineering of Iran, 1400, 25-26 November, Tehran, Iran.  
  
**3.** Heightmap Reconstruction of Macula on Color Fundus Images Using Conditional Generative Adversarial Networks. Tahghighi Peyman, Aghaizadeh Zoroofi Reza, Safi Sare, Ramezani Alireza, Ahmadieh Hamid (2021)., 2021 26th International Computer Conference, Computer Society of Iran (CSICC), Tehran, Iran, 3-4 March, Tehran, Iran.  
  
**4.** Automatic segmentation of tooth using deep convolutional neural network in cone-beam CT images. Ghozatlou Omid, Aghaizadeh Zoroofi Reza (2020)., 1st Scientific Resaerch Conference Mechanics, Electrical, Computer and Engineering Sciences, 1-3 September, Baku, AZERBAIJAN.  
  
**5.** A Rapid Technique for 3D Visulazation of Medical Images. مولایی ملیحه, Aghaizadeh Zoroofi Reza (2019)., Iranian Conference of Biomedical Engineering, 16-21 December, Tehran, Iran.  
  
**6.** Fully automated detection of the mandibular canal in cone beam CT images using Lie group based statistical shape models. [] [], Aghaizadeh Zoroofi Reza, Biniaz Abbas (2018)., 2018 25th national and 3rd International Iranian Conference on Biomedical Engineering (ICBME), 20-22 November, Tehran, Iran.  
  
**7.** Concurrent and Anatomical Knowledge Based Segmentation of Thigh Muscles using Level Sets in CT Images. Molaie Malihe, Aghaizadeh Zoroofi Reza (2018)., 25th Iranian Conference of Biomedical Engineering, 7-9 October, Qom, Iran.  
  
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**10.** A Novel Technique Based on Cloud Picture Archiving and Communication for Trauma Application. Keshavarzi Ashkan, Aghaizadeh Zoroofi Reza, Khonsari Ahmad (2016)., International Conference on Iran Information Technology, 22-24 September, Tehran, Iran.  
  
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**14.** Vectorization of Line Segments Based on Path Segmentation for 2D Animation. Khezri Emad, Aghaizadeh Zoroofi Reza (2015)., 1st International Conference of Information Technology, 19-20 November, Tehran, Iran.  
  
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**16.** Cage Based data Simulation: Application in Statistical Shape Based Atlas. [] [], Aghaizadeh Zoroofi Reza (2015)., Seventh National Iranian Conference of Electrical and Electronic Engineering, 19-20 August, Gonabad, Iran.  
  
**17.** 3D Statistical Shape Models of Radius Bone for Segmentation in Multi Resolution MRI Data Sets. [] [], Fatehi Mansour, Bahrami Mohsen, Aghaizadeh Zoroofi Reza (2014)., 21st Iranian Conference on Biomedical Engineering (ICBME 2014), 26-28 November, Tehran, Iran.  
  
**18.** Mandibular canal segmentation using 3D Active Appearance Models and shape context registration. Abdolali Fatemeh, Aghaizadeh Zoroofi Reza (2014)., Iranian Conference on Bio medical Engineering, 26-28 November, Tehran, Iran.  
  
**19.** General multivariate linear modeling of mandible surface using SurfStat. Abdolali Fatemeh, Aghaizadeh Zoroofi Reza (2014)., Iranian Conference on Bio medical Engineering, 26-28 November, Tehran, Iran.  
  
**20.** shape based 3D modeling of CT images based on spherical harmonics. Abdolali Fatemeh, Aghaizadeh Zoroofi Reza (2014)., 19 Annual Conference of Computer Society of Iran, 4-6 March, Tehran, Iran.  
  
**21.** Single Image Ground Plane Estimation. Rahimi Mohammad, Moradisabzevar Manouchehr, Aghaizadeh Zoroofi Reza (2013)., IEEE International Conference on Image Processing, 15-18 September, Melbourne, Australia.  
  
**22.** On the Performance of Model-View-Controller-Based Privacy Preservation Architecture for Personal Health Record Systems.. Farhangi Negin, Aghaizadeh Zoroofi Reza, Taghiyareh Fattaneh (2013)., The Annual International Conference on Science and Engineering in Biology, Medical and Public Health, 16-18 August, Jakarta, Indonesia.  
  
**23.** Pomegranate Quality Evaluation Using Machine Vision. خشرو علیرضا, Keyhani Alireza, Aghaizadeh Zoroofi Reza, Zamani Zabihollah, Rafiei Shahin (2009)., Proc. Ist IS on Pomegranate, 4 October, Adama, Turky.  
  
**24.** A New Approach to White Blood Cell Nucleus Segmentation Based on Gram-Schmidt Orthogonalization. Rezatofighi Sh., Soltanian Zadeh Hamid, SHARIFIAN R, Aghaizadeh Zoroofi Reza (2009)., ICDIP’2009, 7-9 March, Bangkok, Thailand.  
  
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**27.** Segmentation of Nucleus and Cytoplasm of White Blood Cells Using8Gram-Schmidt Orthogonalization and Deformable Models. Rezatofighi Sh., Aghaizadeh Zoroofi Reza, SHARIFIAN R, Soltanian Zadeh Hamid (2008)., ICSP 2008, 25-28 October, Beijing, China.  
  
**28.** A New Automatic Border Detection Method for Lumen and Media-Adventitia boundaries in IVUS Images. Najafi Zahra, آرش تاکی, Setarehdan ُSeyed Kamaledin, Aghaizadeh Zoroofi Reza, نواب نصیر (2007)., Computer Assisted Radiology and Surgery (CARS2007), 27-30 June, Berlin, Germany.  
  
**29.** Automatic Segmentation of Teeth in Multi-slice CT Images. کیهانی نژاد شیوا, Aghaizadeh Zoroofi Reza, Setarehdan ُSeyed Kamaledin, شیرانی ق (2006)., Proceedings of the 3rd Visual Information Engineering Conference, 26-28 September, Bangalore, India.  
  
**30.** Design and Implementation of a Standard Radiology Information Management System Expandable to Other Clinical Information Systems. Sehati Mr., Aghaizadeh Zoroofi Reza, Soltanian Zadeh Hamid (2006)., 11th Annual Conference of Iran Computer Society, 1-3 February, Tehran, Iran.  
  
**31.** MRI-SPECT data fusion for temporal lobe epilepsy surgery candidate selection. Ghannad-rezaie M., Soltanian Zadeh Hamid, Jafari-Khozani K, Siadat MR, Aghaizadeh Zoroofi Reza, Elisevich K.v. (2005)., SIP 2005, 15-17 August, Honolulu, United States Of America.  
  
**32.** MRI-SPECT DATA FUSION FOR TEMPORAL LOBE EPILEPSY SURGERYCANDIDATE SELECTION. Ghannad-rezaie M., Soltanian Zadeh Hamid, جعفری کورش, سیادت محمدرضا, Aghaizadeh Zoroofi Reza, Elisevich Kost (2005)., 17th IASTED, 15-17 August, Hawaii, United States Of America.  
  
**33.** Colonoscopy Image Processing. Faghih Roohi Shahrooz, Aghaizadeh Zoroofi Reza, Akhlaghpoor Sh, Soltanian Zadeh Hamid (2005)., International Conference on Information and Knowledge Technology, 1-3 June, Tehran, Iran.  
  
**34.** New Method for Designing Object-Oriented Software Basis for Hospital Information Systems. Sehati Mr., Aghaizadeh Zoroofi Reza, Soltanian Zadeh Hamid (2005)., International Conference on Information and Knowledge Technology, 24-26 May, Tehran, Iran.  
  
**35.** Automatic Grading of Pathological Images of Prostate Using Texture Analysis. Farjam R., Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza (2005)., MVIP 2005, 24-25 February, Tehran, Iran.  
  
**36.** Segmentation of Brian Tissue in MRI using Guassian Mixture Modeling. Zeydabadinezhad M., Aghaizadeh Zoroofi Reza, Soltanian Zadeh Hamid (2005)., MVIP 2005, 24-25 February, Tehran, Iran.  
  
**37.** Tree-Structured Grading of Pathological Images of Prostate. Farjam R., Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza, Jafari-Khozani K (2005)., SPIE Medical Imaging 2005: Image Processing, 12-17 February, San Diego, United States Of America.  
  
**38.** Comparing Wavelet and Wavelet Packet Feature Spaces in MRSI Brain Tumor Characterization. Yazdanshahmorad Azadeh, Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza (2004)., 2nd IEEE GCC Conference, 23-25 November, Bahrain.  
  
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**40.** Brian MR Image Segmentation by Guassian Mixture Modeling. Zeydabadinezhad M., Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza (2004)., 2nd IEEE GCC Conference, 23-25 November, Bahrain.  
  
**41.** Comparison of Three Gaussian Mixture Modeling and Spatial Encoding Methods for Segmenting Human Brain MRI. Zeydabadinezhad M., Aghaizadeh Zoroofi Reza, Soltanian Zadeh Hamid (2004)., ICOSSIP 2004, 14-16 September, Izmir, Turkey.  
  
**42.** Wavelet-Based Determination of Malignancy of Pathological Images of Prostate. Farjam R., Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza (2004)., ICOSSIP 2004, 14-16 September, Izmir, Turkey.  
  
**43.** MRSI Brain Tumor Characterization Using Wavelet and Wavelet Packets Feature Spaces and Artificial Neural Networks. Yazdanshahmorad Azadeh, Soltanian Zadeh Hamid, Aghaizadeh Zoroofi Reza (2004)., 26th Annual International Conference of the IEEE, 1-6 September, San Francisco, United States Of America.  
  
**44.** Multi-Resolution Automatic Segmentation of T1-Weighted Brain MR Images. Zeydabadinezhad M., Aghaizadeh Zoroofi Reza, Soltanian Zadeh Hamid (2004)., IEEE ISBI, 16-19 May, Arlington, United States Of America.

**HONORS and AWARDS**

**ACADEMIC POSITIONS**

**COURSES OFFERED**

**Computer Graphics  
  
Machine Vision  
  
Digital Image Processing  
  
Medical Information Management  
  
Computer Graphics  
  
Machine Vision  
  
Digital Image Processing  
  
Medical Information Management  
  
Computer Graphics  
  
Machine Vision  
  
Digital Image Processing  
  
Medical Information Management  
  
Digital Image Processing  
  
Medical Information Management  
  
Machine Vision  
  
Digital Image Processing  
  
Industrial Training  
  
Digital Image Processing  
  
Medical Information Management  
  
Advanced Computer Graphics  
  
Computer Graphics  
  
Medical Information Management  
  
Seminar 2  
  
Computer Graphics  
  
Seminar 1  
  
Medical Information Management**

**LABORATORIES**

**Image Processing**