

## دکتر حمید سلطانیان زاده



مرتبه علمی: استاد تمام

### تحصیلات:

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### راهنمایی پایان نامه:

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- (۱) عضو ملی International Conference on Microelectronics (ICM)
- (۲) عضو ملی International Agencies (Iranian and European)
- (۳) عضو ملی National Institutes of Health (NIH), USA
- (۴) عضو ملی IEEE World Congress on Computational Intelligence
- (۵) عضو ملی ISMRM International Conference
- (۶) عضو ملی Iranian Electrical Engineering Conference
- (۷) عضو ملی National Science Foundation(NFC), USA
- (۸) عضو ملی Iranian Computer Conference
- (۹) عضو ملی Iranian Biomedical Engineering Conference
- (۱۰) عضو ملی Iranian Signal Processing and Machine Vision Conference

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- 2) Hossein-Zadeh, Gholam-Ali, and Hamid Soltanian Zadeh. "Simulation of magnetic resonance imaging with field non-uniformities." SPIE Medical Imaging Conf, San Diego, California.
- 3) Soltanian Zadeh, Hamid. "Electrical Stimulation of Paralyzed Muscles." First Iranian Conference on Biomedical Engineering, Tehran.
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- 6) Soltanian Zadeh, Hamid. "Segmentation of Medical Images Using a Linear Filter." Presented at SPIE Medical Imaging V: Image Processing Conference, San Jose.
- 7) Gholam-Ali Hossein-Zadeh, and Hamid Soltanian Zadeh. "How to Control the false positive rate in Fuzzy clustering: Application to fMRI activation detection using a hemodynamic-based feature space." IASTED International Conference on Biomedical Engineering, Salzburg.
- 8) Soltanian Zadeh, Hamid. "MRI Feature Extraction Using a Linear Transformation." Presented at and Published in the proceedings of SPIE Medical Imaging 1993: Image Processing Conference, Newport Beach.



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- 10) Soltanian Zadeh, Hamid. "A Multi-Dimensional Non - Linear Edge Preserving Filter for Magnetic Resonance Image Restoration." IEEE Medical Imaging Conference, San Francisco.
- 11) Soltanian Zadeh, Hamid. "A Comparative Analysis of Several Transformations for Enhancement and Segmentation of Magnetic Resonance Images." IEEE Medical Imaging Conference, San Francisco.
- 12) Soltanian Zadeh, Hamid. "Semi-Automatic Brain Morphometry from CT Images." SPIE Medical Imaging 1994: Image Processing Conference, Newport Beach.
- 13) Soltanian Zadeh, Hamid. "Semi - automatic brai morphometry in C." IEEE, Medical Imaging Conference, Norwich.
- 14) Soltanian Zadeh, Hamid. "Automated Contour Extraction Using a Multi-Scale Approach." IEEE Medical Imaging Conference, Norwich.
- 15) Soltanian Zadeh, Hamid. "A New Approach for MRI Feature Extraction." 7th Iranian Conference on Biomedical Engineering, Tehran.
- 16) Soltanian Zadeh, Hamid. "Semi-Automatic Brain Morphometry from CT Images." SPIE Medical Imaging 1994: Image Processing Conference, Newport Beach.
- 17) Soltanian Zadeh, Hamid. "Automated Contour Extraction Using a Multi - Scale Approach." Presented at the Second Annual Meeting of the Society of magnetic Resonance-SMR, San Francisco.
- 18) Soltanian Zadeh, Hamid. "Optimal Transformation for Magnetic Resonance Image Segmentation and Partial Volume Extraction." 7th Iranian Conference on Biomedical Engineering, Tehran.
- 19) Soltanian Zadeh, Hamid. "MRI Computer Aided Diagnosis a Feature Space Approach." First Annual Computer Conference of Computer Society of Iran, Tehran.
- 20) Soltanian Zadeh, Hamid. "Intelligent Methods of Medical Image Processing." Presented at and Published in the Proceedings of the Workshop on Intelligent Systems, Tehran.
- 21) Soltanian Zadeh, Hamid. "Medical Image Processing." Invited talk at Sharif University of Technology, Tehran.

- 22) Soltanian Zadeh, Hamid. "Automated Contour Extraction Using a Multi-Scale Approach." Presented at and Published in the Proceedings of the Workshop on Computer Vision, Islamabad.
- 23) Soltanian Zadeh, Hamid. "Reproducibility Study for Volume Estimations in MRI of the Brain Using the Eigen image Algorithm." Presented at and Published in the proceedings of SPIE Medical Imaging1995: Image Processing Conference, San Diego.
- 24) Soltanian Zadeh, Hamid. "Parallel Processing and its Applications in Medical Imaging." Invited talk at Amir Kabir University, Tehran.
- 25) Soltanian Zadeh, Hamid. "Automated Contour Extraction for Medical Image Registration and Segmentation." Presented at and Published in the proceedings of SPIE Medical Imaging1995: Image Processing Conference, San Diego.
- 26) Soltanian Zadeh, Hamid. "Linear Filter Design for CNR Enhancement of MR Images with Multiple Interfering Features in the Scene." Third Iranian Conference on Elec. Eng, Tehran.
- 27) Soltanian Zadeh, Hamid. "Fast Discrete Cosine Transform Based Magnetic Resonance Imaging." 21st Seminar of Intelligent Systems IPM, Tehran.
- 28) Hamid Soltanian Zadeh. "MRI Data Fusion Using Fuzzy Integral." 8th Iranian Conference on Biomedical Eng, Tehran.
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- 31) Soltanian Zadeh, Hamid. "Segmentation of Normal and Abnormal Brain Tissues from MRI Using Multi-Layer Perceptron Neural Networks." Presented at and Published in the Proceedings of the Fourth Iranian Conference on Elec. Eng, Tehran.
- 32) Soltanian Zadeh, Hamid. "Neural Network Methodologies for Segmentation of Magnetic Resonance Images." Presented at and Published in the Proceedings of the 8th Iranian Conference on Biomedical Eng, Tehran.
- 33) Soltanian Zadeh, Hamid. "A New Multi-Grid Method for PET Image Reconstruction Using EM Algorithm." Presented at and Published in the Proceedings of the 8th Iranian Conference on Biomedical Eng, Tehran.

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- 38) Soltanian Zadeh, Hamid. "Streaking Artifact Correction in Computed Tomography." Presented at and Published in the Proceedings of the Fourth Iranian Conference on Elec. Eng, Tehran.
- 39) Soltanian Zadeh, Hamid. "Simulation of Spin - Echo MRI." Presented at and Published in the proceedings of the 8th Iranian Conference on Biomedical Eng, Tehran.
- 40) Soltanian Zadeh, Hamid. "A Deformable Model for Segmentation of Hippocampus from Brain MRI Improvements and Extension to 3D." Presented at and Published in the Proceedings of the 1996 IEEE Medical Imaging Conference, San Francisco.
- 41) Soltanian Zadeh, Hamid. "Adaptive Clustering Techniques for Segmentation of Magnetic Resonance Images." Presented at and Published in the proceedings of the ISRF-IEE International Conference on Intelligent and Cognitive Systems Neural Networks Symposium, Tehran.
- 42) Soltanian Zadeh, Hamid. "A Comparative Study of Neural Network Methodologies for Segmentation of Magnetic Resonance Images." Presented at and Published in the Proceedings of the 1996 International Conference on Image Processing ICIP96, Lausanne.
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- 44) Soltanian Zadeh, Hamid. "A 3D Dynamic Contour Model for Segmentation of Hippocampus from Brian MRI." Presented at and Published in the Proceedings of the 8th Iranian Conference on Biomedical Eng, Tehran.
- 45) Soltanian Zadeh, Hamidand. "Feature Space Analysis of MRI." SPIE Medical Imaging 1997 Image Processing Conference, Newport Beach.
- 46) Soltanian Zadeh, Hamid. "Computerized Analysis of Magnetic Resonance Images." Presented at and Published in the proceedings of the Tenth Scandinavian Conference on Image Analysis, Lappeenranta.
- 47) Soltanian Zadeh, Hamid. "Unsupervised Competitive Neural Network Methodologies for Segmentation of Magnetic Resonance Images." Presented at and Published in the proceedings of the Third International Annual Computer Society of Iran Computer Conference CSICC97, Tehran.
- 48) Soltanian Zadeh, Hamid. "Implementation of an Active Noise Cancellation System." Presented at and Published in the Proceedings of the Fifth Iranian Conference on Elec. Eng, Tehran.
- 49) Soltanian Zadeh, Hamid. "A Proof for Stability of Real Polynomials inside the Unit Circle." Presented at and Published in the proceedings of the Fifth Iranian Conference on Elec. Eng, Tehran.
- 50) Soltanian Zadeh, Hamid. "Surface Extraction Using Fuzzy Set Theory." Presented at the Fifth Iranian Conference in Eng, Tehran.
- 51) Soltanian Zadeh, Hamid. "Eigen image Filtering of Heterogeneous Lesions." Presented at and Published in the Proceedings of SPIE Medical Imaging 1997: Image Processing Conference, Newport Beach.
- 52) Soltanian Zadeh, Hamid. "Semi Supervised Segmentation of MRI Stroke Studies." Presented at and Published in the Proceedings of SPIE Medical Imaging 1997: Image Processing Conference, Newport Beach.
- 53) Soltanian Zadeh, Hamid. "Comparison of Electrical Impedance Tomography Using Circular and Elliptical Models." Presented at and Published in the proceedings of the 8th Iranian Conference on Biomedical Eng, Tehran.
- 54) Soltanian Zadeh, Hamid. "Time -Frequency Analysis of Noise." Presented at the fifth Iranian Conference on Elec Eng, Tehran.
- 55) Soltanian Zadeh, Hamid. "An Intelligent System for Locating Hippocampus in Human Brain MRI." Presented at and published in the proceedings of the Third International Annual Computer Society of Iran Computer Conference CSIC97, Tehran.
- 56) Soltanian Zadeh, Hamid. "A Combined Method for the Compression of Pathological Colored Images." Presented at and Published in the proceedings of

the Third International Annual Computer Society of Iran Computer Conference CSICC97, Tehran.

57) Soltanian Zadeh, Hamid. "A Comparative Study of Segmentation Methodologies for Magnetic Resonance Imaging." Presented at and Published in the proceedings of the Tenth Scandinavian Conference on Image Analysis, Lappeenranta.

58) Soltanian Zadeh, Hamid. "Phased Array Design for Hyperthermia Cancer Therapy." Presented at and Published in the Proceedings of the Fifth Iranian Conference on Elec. Eng, Tehran.

59) Soltanian Zadeh, Hamid. "Magnetic Resonance Imaging Through Wavelet Transform." CSICC97, Tehran.

60) Soltanian Zadeh, Hamid. "Simulation of MRI with Field Non-uniformities." Presented at and published in the proceedings of SPIE Medical Imaging 1998: Image processing Conference, San Diego.

61) Soltanian Zadeh, Hamid. "Multi wavelet Based Feature Extraction for MRI Segmentation." Presented at and Published in the proceedings of SPE Annual Meeting, San Diego.

62) Soltanian Zadeh, Hamid. "Reproducibility of MRI segmentation using of feat a space meth." SPIE Med. In.

63) Soltanian Zadeh, Hamid. "Combining Cluster Analysis with Supervised Segmentation Methods for MRI." Presented at and Published in the Proceedings of SPIE Medical Imaging1998: Image processing Conference, San Diego.

64) Soltanian Zadeh, Hamid. "Warping Brain MR Images Using Deformable Contours." Presented at and Published in the proceedings of the 1998 International Computer Symposium ICS98, Tainan.

65) Soltanian Zadeh, Hamid. "Multi -Wavelets for MRI Feature Extraction." Invited talk at the Institute for Studies in Physics and Mathematics, Tehran.

66) Soltanian Zadeh, Hamid. "Brain Tumor Segmentation by Linear Combination of Multispectral MR Images." Presented at and Published in the proceedings of the sixth Iranian Conference on Elec, Tehran.

67) Soltanian Zadeh, Hamid. "An Intelligent Approach for Locating Hippocampus in Human Brain MRI." Presented at and Published in the proceedings of the 16th International Conference on Applied Informatics AL98.

68) Soltanian Zadeh, Hamid. "Improving HOS Spectral Estimation by Kalman Filtering and Optimization Methods." Presented at and Published in the proceedings of the sixth Iranian Conference on Elec. Eng, Tehran.

- 69) Soltanian Zadeh, Hamid. "Reproducibility of MRI Segmentation Using a Feature Space Method." Presented at and Published in the proceedings of SPIE Medical Imaging 1998: Image Processing Conference, San Diego.
- 70) Soltanian Zadeh, Hamid. "A New Nonlinear Anisotropic Filter for MRI Noise Suppression." Presented at and Published in the proceedings of the sixth Iranian Conference on Elec. Eng, Tehran.
- 71) Soltanian Zadeh, Hamid. "Is There Texture Information in Standard Brain MRI?" SPIE Medical Imaging 1999 Image Processing Conference, San Diego.
- 72) Soltanian Zadeh, Hamid. "Knowledge-Based Localization of Hippocampus in Human Brain MRI." SPIE Medical Imaging 1999 Image Processing Conference, San Diego.
- 73) Soltanian Zadeh, Hamid. "Homothetical Warping of Brain MR Images." presented at and published in the proceedings of SPIE Medical Imaging 1999: Image Processing Conference, San Diego.
- 74) Soltanian Zadeh, Hamid. "Correction of MRI Distortions Created by Static Magnetic Field Inhomogeneity." Presented at and published in the proceedings of IPM Medical image processing Seminar, Tehran.
- 75) Soltanian Zadeh, Hamid. "An Expert System for Localization of Brain Structures from MRI." Invited talk at the Institute for studies in Physics and Mathematics IPM, Tehran.
- 76) Soltanian Zadeh, Hamid. "Unsupervised segmentation of multi parameter MRI in experimental cerebral ischemia in rat with histopathological validation." ISMRM-99.
- 77) Soltanian Zadeh, Hamid. "Estimation of Electromagnetic Fields in MRI Systems Using Finite Difference." Presented at and Published in the proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.
- 78) Soltanian Zadeh, Hamid. "Simulation of Diffusion MRI." Presented at and Published in the Proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.
- 79) Soltanian Zadeh, Hamid. "A New Hybrid Method for MRI Segmentation." Presented at and published in the proceedings of IPM Medical Image Processing Seminar, Tehran.
- 80) Soltanian Zadeh, Hamid. "Medial Image Analysis using Neural Networks." Invited Talk at Joint Iranian and Armenian Workshop on neural Networks, IPM, Tehran.
- 81) Soltanian Zadeh, Hamid. "Performance of MLP Neural Networks for Reducing Dimensionality of Brain MRI Feature Space." Presented at and

Published in the Proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.

82) Soltanian Zadeh, Hamid. "A Novel Method for Segmentation of Body Structures in CT Images." Presented at and Published in the proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.

83) Soltanian Zadeh, Hamid. "Neural Networks for signal and Image Processing." Invited talk at the University of Tehran, Tehran.

84) Soltanian Zadeh, Hamid. "A Linear Minimum Mean Square Error Transformation for Reduction of MRI Feature Space Dimension." Presented at and Published in the proceedings of the Fourth International Annual Computer Society of Iran Computer Conference CSICC99, Tehran.

85) Soltanian Zadeh, Hamid. "Local Warping of Brain MRI Using MLP Neural Networks." Presented at and published in the proceedings of IPM Medical Image Processing Seminar, Tehran.

86) Soltanian Zadeh, Hamid. "A Nonlinear Approach to MRI Feature Extraction." Presented at and Published in the proceedings of the Fourth International Annual Computer Society of Iran Computer Conference CSICC99, Tehran.

87) Soltanian Zadeh, Hamid. "Image Compression Using Vector Quantization and Fractals." Presented at and Published in the proceedings of the 7th Iranian Conference on Elec. Eng: Communication Systems Section, Tehran.

88) Soltanian Zadeh, Hamid. "Microcalcification Classification in Mammograms Using Texture Features." Presented at and published in the proceedings of IPM Medical Image Processing Seminar, Tehran.

89) Soltanian Zadeh, Hamid. "Cardiac Motion Estimation from Tagged MRI." Presented at and Published in the Proceedings of the Fourth international Annual Computer Society of Iran Computer Conference CSICC99, Tehran.

90) Soltanian Zadeh, Hamid. "Simulation of BOLD Functional MRI." Presented at and Published in the proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.

91) Soltanian Zadeh, Hamid. "Automatic Landmark Extraction from MRI Using Growing Neural Gas Model." Presented at and Published in the proceedings of the 7th Iranian Conference on Elec. Eng: Biomedical Eng. Section, Tehran.

92) Soltanian Zadeh, Hamid. "Designing MLP Neural Networks for Phase or Magnitude Retrieval." Invited Talk at the Institute for Studies in Physics and Mathematics IPM, Tehran.

- 93) Soltanian Zadeh, Hamid. "A New MRI Segmentation Method Based on K-means Clustering and Pixel Correlation." 9th Iranian Conference on Biomedical Eng, Tehran.
- 94) Soltanian Zadeh, Hamid. "Microcalcification Classification in Mammograms Using Shape and Texture Features." 9th Iranian Conference on Biomedical Eng, Tehran.
- 95) Soltanian Zadeh, Hamid. "Data Preparation for Transmitting ECG on Telephone Lines." 9th Iranian Conference on Biomedical Eng, Tehran.
- 96) Soltanian Zadeh, Hamid. "Design and Implementation of Ultrasound Phased Arrays for Cancer Therapy." 8th Iranian Conference on Elec. Eng, Isfahan.
- 97) Soltanian Zadeh, Hamid. "A New Image Restoration and Noise Suppression Method Using Kalman Filtering." 8th Iranian Conference on Elec. Eng, Isfahan.
- 98) Soltanian Zadeh, Hamid. "Classification of Mammographic Microcalcifications Using Shape Features." 8th Iranian Conference on Elec. Eng, Isfahan.
- 99) Soltanian Zadeh, Hamid. "Multi parameter MRI Tissue Staging in Experimental Cerebral Ischemia in Rat." 25th International Stroke Meeting, New Orleans.
- 100) Soltanian Zadeh, Hamid. "Medical Imaging and Analysis." Invited Talk at the International Millennium Seminar, Sharif University of Technology, Tehran.
- 101) Soltanian Zadeh, Hamid. "Clustering guided deformable model for MRI segmentation." Presented at and Published in The Proceedings of SPIE Medical Imaging 2000: Image Processing Conference, San Diego.
- 102) Soltanian Zadeh, Hamid. "Segmentation of Multiple Sclerosis Lesions from Brain MRI Using Expectation Maximization." Presented at and Published in the proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 103) Soltanian Zadeh, Hamid. "Microcalcification Classification in Mammograms Using Shape and Texture Features." Presented at and published in the proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 104) Soltanian Zadeh, Hamid. "Analysis of fMRI using a Linear Filter." Presented at the World Congress on Medical Physics and Biomedical Engineering WC2000.
- 105) Soltanian Zadeh, Hamid. "A 3D Deformable Model for Segmentation of Human Prostate from Ultrasonic Images." Presented at the World Congress on Medical Physics and Biomedical Engineering WC2000.



- 106) Soltanian Zadeh, Hamid. "Automated Segmentation of Brain MRI Using Clustering and Deformable Models." Presented at and Published in the Proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 107) Soltanian Zadeh, Hamid. "Unsupervised Segmentation of Clinical Stroke with Multi parameter MRI." 8th ISMRM Meeting, Denver.
- 108) Soltanian Zadeh, Hamid. "Tissue Characterization of Multi parameter MRI with Histopathological Validation in Experimental Cerebral Ischemia in Rat." 8th ISMRM Meeting, Denver.
- 109) Soltanian Zadeh, Hamid. "Feature space analysis: effects of MRI Protocols." Presented at and Published in the Proceedings of SPIE Medical Imaging 2000: Image processing Conference, San Diego.
- 110) Soltanian Zadeh, Hamid. "Boundary based Warping of Brain Images." Presented at and published in the proceedings of SPIE Medical Imaging 2000: Image Processing Conference, San Diego.
- 111) Soltanian Zadeh, Hamid. "Compression of ECG with a Low Bit Rate." Presented at and Published in the Proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 112) Soltanian Zadeh, Hamid. "Optimal linear filter for fMRI analysis." Presented at and Published in the Proceedings of SPIE Medical Imaging 2000: Image Processing Conference, San Diego.
- 113) Soltanian Zadeh, Hamid. "Texture feature extraction methods for microcalcification classification in Mammograms." Presented at and published in the proceedings of SPIE Medical Imaging 2000: Image Processing Conference, San Diego.
- 114) Soltanian Zadeh, Hamid. "Simulation and Correction of MRI Distortions Created by Static Magnetic Field Inhomogeneity." Presented at and published in the proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 115) Soltanian Zadeh, Hamid. "Partial Volume Estimation: An Improvement for Eigen image Method." Presented at and published in the proceedings of SPIE Medical Imaging 2000: Image Conference, San Diego.
- 116) Soltanian Zadeh, Hamid. "A New Method for Local Warping of Brain MRI Based on Voronoi Images." Presented at and Published in the proceedings of the 9th Iranian Conference on Biomedical Eng, Tehran.
- 117) Soltanian Zadeh, Hamid. "Medical Image Analysis." Invited Talk at the 3rd Students Computer Engineering Conference Amir Kabir University of Technology, Tehran.

- 118) Soltanian Zadeh, Hamid. "Robotics in Biomedical Engineering." Invited Talk at the ROBOSHOP2000 University of Tehran, Tehran.
- 119) Soltanian Zadeh, Hamid. "Shape-based and texture-based feature extraction for classification of microcalcifications in mammograms." SPIE Medical Imaging 2001, San Diego.
- 120) Soltanian Zadeh, Hamid. "Polynomial transformation for MRI feature extraction." SPIE Medical Imaging 2001, San Diego.
- 121) Soltanian Zadeh, Hamid. "Fast skeletonization algorithm for 3D elongated objects." SPIE Medical Imaging 2001, San Diego.
- 122) Soltanian Zadeh, Hamid. "Voxel-coding method for quantification of vascular structure from 3D images." SPIE Medical Imaging 2001, San Diego.
- 123) Soltanian Zadeh, Hamid. "Partial volume estimation using continuous representation." SPIE Medical Imaging 2001, San Diego.
- 124) Soltanian Zadeh, Hamid. "Knowledge-based deformable surface model with application to segmentation of brain structures in MRI." SPIE Medical Imaging 2001, San Diego.
- 125) Soltanian Zadeh, Hamid. "Comparison of Crisp and Fuzzy Co-occurrence Matrices for Feature Extraction from Pathological Images of Prostate." CSICC'01, Isfahan.
- 126) Soltanian Zadeh, Hamid. "Tissue characterization in cerebral ischemia using Multi parameter MRI." SPIE Medical Imaging 2001, San Diego.
- 127) Soltanian Zadeh, Hamid. "New 2D ultrasound phased-array design for hyperthermia cancer therapy." SPIE Medical Imaging 2001, San Diego.
- 128) Soltanian Zadeh, Hamid. "Automatic Grading of Prostate Pathological Images Using Multi-wavelet Feature." MVIP'01, Birjand.
- 129) Soltanian Zadeh, Hamid. "MRI Geometric Distortion Correction Using Edge Information." MVIP'01, Birjand.
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- 438) Hamid Soltanian Zadeh. "Numerical Solutions to the Bloch - McConnell Equations with Radio Frequency Irradiation Scheme for CEST MR." 20th Iranian Conference on Elec. Eng, Tehran.
- 439) Hamid Soltanian Zadeh. "Effects of Improved Adaptive Gamma Correction Method on Wireless Capsule Endoscopy Images: Illumination Compensation and Edge Detection." 20th Iranian Conference on Elec. Eng., Tehran.
- 440) Hamid Soltanian Zadeh. "The accuracy of dual energy mapping approach in CTAC in presence of low concentration of contrast agent." 10th Asia Oceania Congress of Nuclear Medicine and Biology, Tehran.

- 441) Hamid Soltanian Zadeh. "Brain Connectivity Analysis to Study Chronic Short Sleep." 26th Annual Meeting of the APSS - American Academy of Sleep Medicine, Boston.
- 442) , Hamid Soltanian Zadeh. "Automatic Informative Tissues Discriminators in WCE." 2012 IEEE International Conference on Imaging Systems and Techniques, Manchester.
- 443) Hamid Soltanian Zadeh. "Structural Analysis of Stroke Lesions Using MRI." 34th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, San Diego.
- 444) Hamid Soltanian Zadeh. "Segmentation of Crohn Lymphangiectasis Xanthoma Lymphoid Hyperplasia and Stenosis diseases in WCE." XXIV Conference of the European Federation of Medical Informatics, Pisa.
- 445) Hamid Soltanian Zadeh. "Discriminative features for interictal epileptic discharges in intracerebral EEG signals." 5th International Congress on Image and Signal Processing, Chongqing.
- 446) Hamid Soltanian Zadeh. "Resting State Functional Connectivity in Medial Temporal Lobe Epileptic Patients: Seed-Based Correlation Analysis in Resting State after ICA." 3rd Biennial Conference on Resting State Brain Connectivity, Magdeburg.
- 447) Soltanian Zadeh, Hamid. "Analysis and Application of Diffusion Magnetic Resonance Images." Oakland University, Michigan.
- 448) Hamid Soltanian Zadeh. "Algorithmic Analysis of Clinical and Neuropsychological Data in Localization-Related Epilepsy." International Conference on Applied and Computational Mathematics, Ankara.
- 449) Soltanian Zadeh, Hamid. "Frontiers of Medical Imaging." Academy of Sciences, Tehran.
- 450) Hamid Soltanian Zadeh. "Binaural Speech Separation Based on the Time-Frequency Binary Mask." Sixth International Symposium on Telecommunications, Tehran.
- 451) Hamid Soltanian Zadeh. "Face Recognition: A Sparse Representation-based Classification Using Independent Component Analysis." Sixth International Symposium on Telecommunications, Tehran.
- 452) Soltanian Zadeh, Hamid. "Estimation of Brain Networks at Rest using Functional Magnetic Resonance Imaging." Basic and Clinical Neuroscience Congress 2012, Tehran.
- 453) Latifi-Navid, MMM, Hamid Soltanian Zadeh, and KVV Elisevich. "Algorithmic Analysis of Clinical and Neuropsychological Data Localization-

Related Epilepsy." International Conference on Applied and Computational Mathematics (ICACM'2012), Ankara.

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- 468) Bagher-Ebadian, Hasan, RRR Jain, JJJ Narang, and Hamid Soltanian Zadeh. "Adaptive Model for Direct Estimation of Hemodynamic Parameters in MR Perfusion Studies: Comparison and Evaluation Using CT Perfusion and Singular Value Decomposition Technique." ISMRM'2013, Salt Lake City.
- 469) Iraj, Armin, VVV Mika, JJJ Yang, AAA Rahman, GGG G. Ma, RRR Welch, RRR Benson, SSS Millis, Hamid Soltanian Zadeh, EMM Haacke, and ZZZ Kou. "Functional connectivity in posterior cingulate cortex alters in brain concussion patients at the acute stage." ISMRM'2013, Salt Lake City.
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- 471) Bagher-Ebadian, HHH, SPP Nejad-Davarani, JRR Ewing, and Hamid Soltanian Zadeh. "Model Averaging in Estimation of Permeability Parameters from Dynamic Contrast Enhanced Magnetic Resonance Images." 10th Annual Research Symposium of Henry Ford Health System, Detroit.
- 472) Hamidian, Hajar, Hamid Soltanian Zadeh, Kourosh Jafari-Khouzani, AAA Dakka, OOO Mesi, AAA Hassane, and PPP Mitsias. "Quantitative Evaluation of Brain Structures Damaged by Stroke Lesions." 10th Annual Research Symposium of Henry Ford Health System, Detroit.
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- 475) Nazem-Zadeh, Mohammadreza, JMM Schwalb, Hasan Bagher-Ebadian, Hajar Hamidian, and Hamid Soltanian Zadeh. "Diffusion Properties of Bilateral Cingulum May Help in Lateralizing Temporal Lobe Epilepsy." 10th Annual Research Symposium of Henry Ford Health System, Detroit.
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- 477) Maraka, SSS, QQQ Jiang, Kourosh Jafari-Khouzani, NNN Hamidian, LLL L.Li, SSS Malik, TTT Zhang, MMM M. Lu, Hamid Soltanian Zadeh, and PPP Mitsias. "Quantitative Assessment of Corticospinal Tract Injury on Diffusion Tensor Imaging Correlates with Motor Outcome after Ischemic Stroke." American Academy of Neurology 65th Annual Meeting, San Diego.
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- 481) Shamsakhtari, A, N Gholizadeh, S Akhlaghpour, Hamid Soltanian Zadeh, MR Fatemizadeh, E Ainaghizadeh, M Nourizadeh, and F Daeenejad. "Optimization of Liver Iron Load Assessment by Pixel-Based T2\* MRI in Thalassemic Patients." International Academy of Cardiology 18th World Congress on Heart Disease Annual Scientific Sessions 2013.
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- 500) Bagher-Ebadian, Hasan, S P. Nejad-Davarani, J R. Ewing, and Hamid Soltanian Zadeh. "Error Quantification in Relaxivity Rate Change ( $\Delta R1$ ) Due to Systematic Errors in Dynamic Contrast Enhanced MR Studies." ISMRM'2014, Rome.
- 501) Bagher-Ebadian, Hasan, Mohammadreza Nazem-Zadeh, J M Schwalb, A. Hassane, and Hamid Soltanian Zadeh. "Equilibrium Model for Magnetic Resonance Grading of Hippocampal Sclerosis in Temporal Lobe Epilepsy." ISMRM'2014, Rome.
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- 503) Iraj, A ., Hamid Soltanian Zadeh, R. Benson, EM. Haacke, and Z. Kou. "'Seemingly Inconsistency between Damaged White Matter Structure and Increased Functional Connectivity in Cingulum: Initial Response of Brain Plasticity to Trauma." ISMRM'2014, Rome.
- 504) Maboudi, Hadi, Hideaki Shimazaki, Hamid Soltanian Zadeh, and Shun Amari. "Bimodal Distributions of Local Phase Variables in Natural Images." the 2014 VSS Annual Meeting.
- 505) Alizadeh, M., Hamid Soltanian Zadeh, and O. Haji-Maghsoudi. "Segmentation of Small Bowel Tumors in Wireless Capsule Endoscopy Using Level Set Method." 2014 IEEE 27th International Symposium on Computer-Based Medical Systems, New York.
- 506) Mahmoudi, F., Mohammadreza Nazem Zadeh, JMS Schwalb, Hasan Bagher-Ebadian, and Hamid Soltanian Zadeh. "A Decision Tree Analysis of Volumetrics in Temporal Lobe Epilepsy." 2014 Biennial Meeting of the American Society for Stereotactic and Functional Neurosurgery, Washington.
- 507) Nazem-Zadeh, Mohammadreza, JMS Schwalb, Hasan Bagher-Ebadian, FFF Mahmoudi, and Hamid Soltanian Zadeh. "Lateralization of Temporal Lobe Epilepsy by Imaging-Based Response-Driven Multinomial Multivariate Models." 2014 Biennial Meeting of the American Society for Stereotactic and Functional Neurosurgery, Washington.
- 508) Maleki-Balajoo, S., D. Asemani, and Hamid Soltanian Zadeh. "Estimating Dynamic Functional Connectivity in rest fMRI Based on Machine Learning Algorithms." 20th Annual Meeting of the Organization for Human Brain Mapping, Hamburg.

- 509) Saligheh-Rad, H., Hamid Soltanian Zadeh, and F. Sanaei-Nezhad. "Automatic Bone Segmentation in Pelvis Area with Bone Marrow Metastases Employing Local Level-Set with Prior information; Applications in Breast Cancer Treatment Monitoring and Surgical Planning." 28th International Congress and Exhibition on Computer Assisted Radiology and Surgery.
- 510) Hamidian, Hajar, S. Lu, S. Rana, F. Fotouhi, and Hamid Soltanian Zadeh. "Adapting Medical Image Processing Tasks to a Scalable Scientific Workflow System." 2014 IEEE 10th World Congress on Services.
- 511) Hosseini, MP, Mohammadreza Nazem-Zadeh, D. Pompili, and Hamid Soltanian Zadeh. "Statistical Validation of Automatic Methods for Hippocampus Segmentation in MR Images of Epileptic Patients." 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Chicago.
- 512) Nazem-Zadeh, Mohammadreza, JMS Schwalb, Hasan Bagher-Ebadian, FFF Mahmoudi, M P Hosseini, Kourosh Jafari-Khouzani, KVE Elisevich, and Hamid Soltanian Zadeh. "Lateralization of Temporal Lobe Epilepsy by Imaging-Based Response-Driven Multinomial Multivariate Models." 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Chicago.
- 513) Hosseini, MP, Mohammadreza Nazem-Zadeh, FFF Mahmoudi, H. Ying, and Hamid Soltanian Zadeh. "Support Vector Machine with Nonlinear-Kernel Optimization for Lateralization of Epileptogenic Hippocampus in MR Images." 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Chicago.
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- 516) Sigari, M.H, Hamid Soltanian Zadeh, V. Kiani, and H.R. Pourreza. "Counterattack Detection in Broadcast Soccer Videos using Camera Motion Estimation." 2015 Intentional Symposium on Artificial Intelligence and Signal Processing.
- 517) Rezaeian, M.R., Gholam-Ali Hossein-Zadeh, and Hamid Soltanian Zadeh. "Quantification of the CEST effect by Gaussian mixture modeling of Z-

spectrum." 2nd International Conference on Pattern Recognition and Image Analysis, Rasht.

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- 533) Nazem-Zadeh, M.R., S.M. Bowyer, J.E. Moran, E. Davoodi-Bojd, A. Zillgitt, H. Bagher-Ebadian, F. Mahmoudi, K. Elisevich, and Hamid Soltanian Zadeh. "MEG Coherence and DTI Connectivity in Mesial Temporal Lobe Epilepsy." Imaging in Motion and Beyond, Detroit.
- 534) Mahmoudi, F., M.R. Nazem-Zadeh, JM. Schwalb, E.L. Air, H. Bagher-Ebadian, K.V. Elisevich, and Hamid Soltanian Zadeh. "Lateralization of Temporal Lobe Epilepsy using a Combinational Model of Electroencephalographic and Imaging." Imaging in Motion and Beyond, Detroit.
- 535) Hamidian, Hajar, J. Hu, F. Fotouhi, Hamid Soltanian Zadeh, and J. Hua. "Quantifying and Visualizing Shape Deformations by Variation of Geometric Spectrum." Imaging in Motion and Beyond, Detroit.
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- 1) Outstanding Researcher, Department of Justice, USA, international, Other, 1993/01/01
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