Contact Information	Henry Ford Health System Department of Radiation Oncology, One Ford Place, STE 4D, Detroit, MI-48202	+1(248)320-1550 gi8052@wayne.edu nzakari1@hfhs.org	
Objective	To ameliorate human health through cross-disciplinary activities which are in the vanguard of new approaches to rationally understand diseases progression by integrating the engineering science with biomedical science and clinical practice.		
Research Interests	 MRI, Sequence Development, Image Processing, Image Reconstruction Medical Physics, Medical Imaging, Radiation Oncology Neuroimaging, functional Magnetic Resonance Imaging (fMRI) MR-Safety and Electromagnetic Cardiovascular MRI 		
Education	Wayne State University		
	M.Sc., Biomedical Engineering - Biomedical Imaging Track Start: Sept. 2017- Jul. 2019; Over all GPA: 3.8/4		
	 Thesis: Contrast Mechanisms for Tumor Imaging Advisor: E. Mark Haacke, Ph.D Co-Advisor: Carri Glide-Hurst, Ph.D 	at 0.35T	
	Amirkabir University of Technology		
	B.Sc., Biomedical Engineering - Bioelectric Start: Sept. 2012- Apr. 2017; Over all GPA: 16.35/20 - 3.3/4		
	 Thesis: Assessment of fMRI Phase Images by means of Averaged BOSS Technique Advisor: Abbas N. Moghaddam, Ph.D 		
Work Experience	Research Assistant Department of Radiation Oncology Henry Ford Health System Supervisor: Carri Glide-Hurst, Ph.D	Oct. 2019 – Present	
Publications	 Niloufar Zakariaei, Yongsheng Chen, Siamak Nejad-Daravani, E. Mark Haacke, Carri Glide-Hurst. "Rapid Multi-Contrast Brain Imaging at 0.35T to Facilitate Tumor Response Assessment and Functional Adaptive Radiation Therapy", AAPM, 2019 		
	 Vahid Ghodrati, Niloufar Zakariaei, Abbas N. Moghaddam. "Peripheral Nerve Stimulation Considerations in the Presence of the Foreign Metallic Objects", ISMRM, 2015. 		
Research Experience	Research Assistant S MR Research Facility, MRC Department of Radiology, Wayne State University Supervisor: E. Mark Haacke, Ph.D	Sept. 2017 – Jul. 2019	

	Research Assistant Ju	n. 2014 – Apr. 2017	
	Advanced Medical Imaging Research (AMIR) Lab, Amir Lab Department of Biomedical Engineering, Amirkabir University of Supervisor: Abbas N. Moghaddam, Ph.D	of Technology	
Teaching Experience	Teaching Assistant		
Experience	Instructor: Abbas N. Moghaddam	fall 2015	
	• Brain Physiology and Cognition Instructor: Shahriar Gharibzadeh	fall 2016	
Selected Research Projects	• Advanced Digital Image Processing A User Interface Design to Denoise Extremely Corrupted Imag Instructor: Xiaoyan Han, Ph.D	ges Spring 2018	
	• Math and Programming in Engineering A User Interface Design for Medical Images Segmentation Instructor: Richard Genik, Ph.D	Spring 2018	
	• Medical Imaging A New Method for Early Microaneurysm Detection in Diabetic Instructor: Mohammad Mehrmohammadi, Ph.D	c Retinopathy Fall 2017	
	• MR Imaging for Neurovascular Diseases The application of Perfusion Imaging of the Brain in Neurodeg Instructor: E. Mark Haacke, Ph.D	generative Disease Fall 2017	
	• MRI Safe Mode Region Modification to Prevent the Peripheral Nerve MR-Scanning in the Presence of Paramagnetic Objects Instructor: Abbas N. Moghaddam, Ph.D	e Stimulation During Spring 2016	
	• Microprocessor Lab Setting up a 128*64 Graphical LCD by ST7920 Driver Instructor: Ali Saeidi, Ph.D	Fall 2015	
	• Electrical Measurement Design a Sudoku Table and Solve it with Back Track Technique Instructor: Amirhossein Rezaei, Ph.D	e by LabView Fall 2015	
	• Biological Optimization Implementation of Ant Colony Optimization Instructor: Sajjad Jafari, Ph.D	Fall 2015	
	• Logic Circuits Lab Designing and Implementation a Game for Evaluating Hand-Eye Coordination on FPGA for Every Person		
	Instructor: Safa Rafieivand, Ph.D	Spring 2015	
	• Microprocessor Programming an AVR microcontroller to Monitor the Temper Stepper Motor Using a Keyboard	rature and Control a	

	Instructor: Farshad Almasganj, Ph.D	Spring 2015
	• C++ Programming Implementation of Othello Game Instructor: Farnaz Ghassemi, Ph.D	Spring 2013
Honors	 Best In Physics (BIP) award from AAPM highest in the abstract review process and judg to reflect the highest level of scientific quality Member of Tau Beta Pi Honor Society Honorary Admission to the Graduate Program Amirkabir University of Technology Ranked Top 0.5 percent in the National Entra in Mathematics and Physics Semi-finalist of the National Math Olympiad Semi-finalist of the National Olympiad in Info 	I. BIP presentations are those scoring ged by the Scientific Program Directors and innovation2019 2018a of Biomedical Engineering Department 20162016ance Exam among all Iranian Students 2012 20112011
Experience	 Research Intern in Computational Modelling and Brain Sciences (ICBS), Shahid Behes Software Educator: LT spice, MATLAB Software Educator: PSPICE/ OrCad 	Lab, Institute for Cognitive shti University Summer 2015 Fall 2014 Spring 2014
Computer Skills	 Programming Languages: C/C++, MATLAB, Python, R Engineering Software: Simulink, PSPICE/OrCad, LTspice, Altuim Designer, Proteus, Keil uVision, LabView, CodeVisionAVR, AVR and ARM Assembly Technical Simulators: FSL, SPM, AFNI, Maxwell Ansoft, Simpleware, ImageJ Operating Systems: Microsoft Windows, Linux (Ubuntu User) Other software: Microsoft Office, Photoshop, LATEX 	
Language Skills	 English: Fluent Persian: Native Arabic: Elementary 	
Volunteer Experiences	 Civil Rights Activist: Michigan Section Leader of a Grass Roots Organization to Foment Movements Against Inhumane Policies Media Content Producer: Social Medial Chair of the Graduate Teaching Assistants of Wayne State University (Subset of American Federation of Teachers) Educationist: Provider of a Free Educational System for Children in Deprived Areas 	
Hobbies	 Amateur Theater (Perform, Direct) Playing Violin Photography Calligraphy 	
References	E. Mark Haacke Professor Department of Biomedical Engineering Wayne State University	Phone: +1 (313) 384-9218 E-mail: Nmrimaging@aol.com https://bit.ly/2lVMvGe
	Carri Glide-Hurst Director of Translational Research Radiation Oncology Henry Ford Cancer Institute	Phone: +1 (313) 848-7278 E-mail: churst2@hfhs.org https://bit.ly/2mh1B9n

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