Mohammad Hossein Doost Mohammadi

Faculty Member

DoB: 1983-08-05
Marital Status: Married

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📍 Hamadan, Iran

👤 Profile Summary

An enthusiastic, adaptive, and fast-learning person with a broad and acute interest in the discovery of new innovative technology, I particularly enjoy collaborating with scientists from different disciplines to develop new skills and solve new challenges. Interpersonal skills: Coached and collaborated with other scientists, outlining objectives, methodology, and conclusions, actively listening to people, and stimulating interest and discussion. Exchanged constructive feedback and support and learned delegating responsibility. Adaptability: Collaborated and communicated at all professional levels, and with people from diverse origins and cultures. Can work both independently and in team settings. Adapted to living abroad, increased my command of English, learned perseverance and self-motivation. Management and organization: Managed several projects and collaborations in parallel, planned work to achieve goals and targets on time, set realistic objectives, developed creative solutions to problems. Working on Digital System Design and Digital Image processing. Fields of interest: Identification using Biometrics, AI systems, SoC. Love to improve my knowledge and skills as much as I can do.

🎓 Education

Master in Electrical Engineering

Branch: Electronic
Institute/University: Iran university of Science and Technology
Tehran, Iran

2006 – 2009

Bachelor in Electrical Engineering

Branch: Electronic
Institute/University: Amirkabir University of Technology (Tehran Polytechnic)
Tehran, Iran

2001 – 2006

🧰 Work Experience

Faculty member

Hamedan University of Technology
Hamadan, Iran

Since 2011

Tasks and Achievements

- Public relations manager (2014-2017)
- Head of Circuit and Electronics Laboratory (2013-present)
- Head of Digital System Laboratory (2018-present)
- Scientific advisor of the Scientific Association of Electrical Engineering (2020-2021)

Chairman

Maad Sanjeshgaran Asia
Hamadan, Iran

Since 2016

Tasks and Achievements

- Founder of MSA
- R&D Supervisor

Patent arbitrator

Hamadan Science and Technology Park
Hamadan, Iran

Since 2019

Member of the Commercial Evaluation Committee of Technological and Innovative Projects

Deputy Minister of Science and Technology of the Ministry of Science, Research and Technology
Hamadan, Iran

Since 2020

Member of the Technology Assessment Committee for the standardization of technological products

Deputy Minister of Science and Technology of the Ministry of Science, Research and Technology

Tehran, Iran

Since 2021

💡 Skills

digital signal processing	■■■■	Digital Image processing	■■■
Digital system design	■■■■	Identification based on Biometrics	■■■
MATLAB (Mfile & Simulink)	■■■	FPGA based system Design	■■■■■
VHDL coding	■■■	Deep Learning	■■■

🔍 Research

Haniye Amirbegi, Mohammad Hossein Doost Mohammadi, "Improved model for recognizing people's emotions using facial expressions based on CNN", 5th National Conference on Computer, Information Technology and Applications of Artificial Intelligence, Ahvaz, Iran, Match 2022. (in Persian)

2022

Zahra Sahebi Hamrah, Mehdi Pourabdoli, Vahid A. Lashgari, Mohammad Hossein Doost Mohammadi, "Effect of time, temperature and composition on the performance of conductive adhesives made of silver-coated copper powder", INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES: 114; 103114, 2022. https://doi.org/10.1016/j.ijadhadh.2022.103114

2022

Zahra Sahebi Hamrah, Vahid A. Lashgari, Mohammad Hossein Doost Mohammadi, Deniz Uner, Mehdi Pourabdoli, "Microstructure, resistivity, and shear strength of electrically conductive adhesives made of silver-coated copper powder", MICROELECTRONICS RELIABILITY: 127; 114400, 2021. https://doi.org/10.1016/j.microrel.2021.114400

2021

Zahra Sahebi Hamrah, Mohammad Hossein Doost Mohammadi, Mehdi Pourabdoli, Vahid A. Lashgari, "New Application of Electrically Conductive Adhesive as a Transistor-based Electrical Circuit under AC and DC Currents", International Journal of Engineering: 34; 1819-1826, 2021. https://dx.doi.org/10.5829/ije.2021.34.08b.02

2021

Soroor Aghapoor, Mohammad Hossein Doost Mohammadi, "Low-complexity gaze detection algorithm using images obtained from the webcam", 13th International Conference on Information Technology, Computer and Telecommunication, Georgia, November , 2021

2021

Mohammad Hossein Doost Mohammadi, Arman Garousi, "A Fast and Simple Face Detection Algorithm Using Neural Network and Its Implementation on FPGA", International Journal of Recent Development in Engineering and Technology, Vol. 10, No. 5, pp. 10-20, 2021.

2021

Steven T. Karris, "Circuit Analysis II with MATLAB® Computing and Simulink® / SimPowerSystems® Modeling", translated by M.H. Doost Mohammadi & H. Janati, Hamedan University of Technology Press, May 2021. ISBN: 978-600-95985-1-9.

2021

Steven T. Karris, "Circuit Analysis I with MATLAB® Computing and Simulink® / SimPowerSystems® Modeling", translated by M.H. Doost Mohammadi & H. Janati, Hamedan University of Technology Press, November 2020. ISBN: 978-600-95985-0-2.

2020

Z. Sahebi Hamrah, M. Pourabdoli, M.H. Doost Mohammadi, "Study of the effect of composition and morphology on microstructure and specific resistance of Electrically conductive adhesives made of silver-copper core-shell particles", 8th International Conference on Materials Engineering, Tehran, Iran, September 2019. (in Persian)

2019

Kamran Soltani, Mohammad Hossein Doost Mohammadi, "Investigating the effect of wavelet filter selection on the accuracy of identification based on facial thermal diagram", 3rd international conferences on Electrical Engineering, Tehran, Iran, September 2018. (in Persian)

2018

Z.PourFarzaam, M.H. Doost Mohammadi, "Implementation of a face recognition algorithm on FPGA using System Generator", 3rd international conferences on Electrical Engineering, Tehran, Iran, September 2018. (in Persian)

2018

Behnam Madadnia, Mohammad Hossein Doost Mohammadi, "Design and implementation of power quality meter device for distribution network with improved accuracy", 22nd Electrical Power Distribution Conference, April 2017. (in Persian)

2017

Seyed Reza Razavi, Mohammad Hossein Doost Mohammadi, "R-peak Detection in Electrocardiogram Signals Using Continuous Wavelet Transform", INT. J. BIOAUTOMATION, Vol. 21, No. 2, 2017.

2017

H. Zivarian, M. H. DoostMohammadi, "An accurate scheme for distance measurement using an ordinary webcam", Int. J. Electrical and Computer Engineering (IJECE), Vol. 7, No. 1, 2017.

2017

Mohammad Hossein Doost Mohammadi,"Improved denoising method for ultrasonic echo with mother wavelet optimization and best basis selection", Int. j. of Electrical and Computer Engineering (IJECE), Vol. 6, No. 6, December 2016, pp. 2742-2754. DOI: 10.11591/ijece.v6i6.10763

2017

H. Zivarian, M. Soleimani, M. H. DoostMohammadi, "Field Programmable Gate Array–based Implementation of an Improved Algorithm for Objects Distance Measurement", IJE TRANSACTIONS A: Basics Vol. 30, No. 1, (January 2017). doi: 10.5829/idosi.ije.2017.30.01a.00.

2017

Behnam Madadnia, M. H. Doost Mohammadi, "Power grid data logger with minimal error, with the ability to send information online", IR Patent, IRP. 89218, ـJune 2016.

2016

Patent

Amin Aghakhani, Mohammad Hossein Doost Mohammadi, "Design and implementation of FPU unit on FPGA", The Second International Conference on Science and Engineering, 2016. (in Persian)

2016

Mahsa Bahrami, Mohammad Hossein Doost Mohammadi, "Identification based on Iris Texture", The Caspian Sea Journal, Vol. 10, No. 1, Supplement 4, 585-589, 2016.

2016

Amin Aghakhani, Mohammad Hossein Doost Mohammadi, "Design and Implementation of the Mixed Single Cycle Processor on FPGA", The Caspian Sea Journal, Vol. 10, No. 1, Supplement 4, 590-596, 2016.

2016

H.Ashouri, M. Jabari, A. Ghanbari, M.H. DoostMohammadi, "Design and construction of intelligent piping robot for status monitoring, troubleshooting and In-pipe repairs", Ninth Specialized Conference on Status Monitoring and Troubleshooting, University of Petroleum Industry, Ahvaz, Iran, March 2015.(in Persian)

2015

A. Hajirassouliha, M. Amoo,n M.H. Doostmohammadi, A. Sadr, A. Ayatollahi, Gh.A. Rezairad, "Comparison of using different types of wavelet or FFT for de-noising of body surface potential signals", IEEE Third International Conference on Broadband Communications, Information Technology & Biomedical Applications, March 2009.

2009

A. Hajirassouliha, M.H. Doostmohammadi, M. Amoon, A. Ayatollahi, A. Sadr, "De-Noising of body surface potential signals (book chapter: chapter 6)", Biomedical and Environmental Sensing, November 2009, ISBN: 9788792329288.

2009

⚒ Projects

Design and implementation of power distribution network data logger with high accuracy

For: Maad Sanjeshgaran Asia

October 2015

Supervisor

Design and implementation of smart gas meter

For: Ekbatan Gas Control

January 2017

Supervisor

Design and implementation of new generation of data logger for power distribution network

For: Maad Sanjeshgaran Asia

April 2020

Supervisor

⚜ Honors

Selected as the top instructor of the Electrical Engineering Department

2018

Selected as the top technology company in the field of electricity and electronics in Hamadan province

2017

Selected as the top technological project of Bu Ali Sina University technology incubator

2016

Selected as one of the top students among the 2006 entries (MSc)

2007

🌐 Social Network

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