

Mehran Khorasani - Curriculum Vitae

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Education

- M.Sc. in Electrical Engineering, Islamic Azad University, South Tehran Branch, Tehran, Iran. 2012-2015
- B.Sc. in Electrical Engineering, Zanjan University, Zanajn, Iran. 2007-2011

Work Experience

- Design and fabrication of smart greenhouse system. 2014-present
- Design, develop and Install of smart home system (TIS, KNX). 2011
- Researcher at Institute for Research in Fundamental Sciences (IPM), Brain Engineering Research Center, Tehran, Iran. 2016- present

Research Experience

- Iris-based identification via sparse representation. 2016
- Face recognition based on compressive sensing (M.Sc thesis). 2015
- Audio blind source separation via sparse representation. 2015
- Robust image steganography based on LBP. 2014
- Alert accessibility for users with hearing deficiency; Design and development of smart system to notify user with visual notifier and vibration module using PIC (B.Sc thesis). 2011

Publications

- Ghofrani, S., Alikiaamiri, S.R, and Khorasani, M., 2015 Comparing the performance of recovery algorithms for face recognition, In *International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CGVCVIP)*.

Research Interest

- Signal processing
- Image processing
- Face recognition
- Compressed sensing
- Sparse representation based classification

Software skill

- Programming: C/C++, Bascom, MATLAB
- PCB and Electronics design: CadSoft EAGLE, Altium Designer, Proteus, ADS, Orcad, Silvaco, Keil uVision, STM32CubeMx

Other

- Building rescue and line follower robot at Zanzan first national robotics exhibition. 2011

Language

- Persian: Native
- English: Fluent

Hobbies

- Chess
- Music
- Poetries and Novels