

Mahdad Esmaeili

Date of Birth: May 20th 1983

Current Position: Assistant professor, Biomedical Engineering Department
(Tabriz University of Medical Sciences (September 5, 2017- now

:Contact Information

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:Education

- PhD in Biomedical Engineering, Department of Biomedical Engineering, Isfahan & University of medical Science, Isfahan, Iran. (GPA: 18.51 out of 20
- M.Sc in Biomedical Engineering, Department of Biomedical Engineering, Isfahan & University of Medical Science, Isfahan, Iran, 2010. (GPA: 17.31 out of 20
- B.SC. in Biomedical Engineering, Department of Electrical Engineering, Sahand & University of Technology, Tabriz, Iran, 2006
- High School Diploma in Mathematics and Physics, Seghatoleslam(Public exemplary & Schools), Tabriz, 2001

:National Patents

- Patent No: 139750140003004978
Electrocardiogram interface design for transferring and storing ECG signals in the hospital database(PACS) in HIS system
Sina Andarabi, Mehdi Samadi, Mahdad Esmaeili
- Patent No: 139750140003004978
Smart glove cover device with voice command and the ability to disinfect gloves
Saeed Asghari, Hossein Najafzadeh, Mahdad Esmaeili

:Teaching Experiences

- Medical Image Processing: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences
- Biomedical Signal Processing: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences
- Pattern Recognition: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences
- . Electronic I&II : BSc course, Azad University of Tabriz, Biomedical Engineering Department

:Research Lines and Interested topics

- .Machine Learning, Computer Vision, Deep Learning, especially their applications in Healthcare, e.g
- .Medical Image Diagnosis, AI-based Computer-aided Diagnosis

:Skills

- Programming: Python, Matlab, C, Pascal &
- Electrical Eng. Softwares: Proteus, PSPICE &
- Mathematical Softwares: Matlab &
- MPs and MCUs: 8051, AVR, FPGA &

Honors and Certificates

- . Ranked 2st in M.Sc. of Biomedical Engineering in Isfahan University of Medical Science

(Best Paper Award for IEEE ICIP(International Conference on Image Processing

:Other

Advising under-graduate students

Faculty affairs Committee member

Teaching in workshops

PROFESSIONAL EXPERIENCES

Head of Bio-Medical Engineering (Bioelectric) Dept. Since 2019

Head of the medical equipment working group Innovation and accelerator of health field

of Tabriz University of Medical Sciences Since 2018

Member of Technology Council of Tabriz University of Medical Sciences