

# Mehrnoosh Neghabi

## Research Expert

I am working in the field of Brain Computer Interfaces. I am focusing on feature extraction algorithms in SSVEP-based BCI systems in Isfahan Neuro Technology Laboratory. I am also interested in OCT image processing. My new project is OCT image classification in Medical Image & Signal Processing research center.



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## SKILLS

EEG signal Processing  
(MATLAB)

Brain Computer  
Interface

AVR Programming  
(CodeVision AVR)

Altium Designer

Image Processing

Social Communication

Team Work

## LANGUAGE

English

Professional Working Proficiency

## INTERESTS

Brain-Computer  
Interface (BCI)

Image Processing

Biomedical Instruments

Signal Processing

## EDUCATION

### M.Sc in Biomedical Engineering, Bio electric University of Isfahan

09/2015 – 03/2018

Overall GPA: 15.18/20

#### Courses

- Master Thesis: Evaluation and Comparison of Reference Signal-Based Feature Extraction Methods in SSVEP-Based BCI. Supervisor: Dr. Hamidreza Marateb, Dr. Amin Mahnam

### B.Sc in Biomedical Engineering, Bio electric University of Isfahan

09/2009 – 09/2014

Overall GPA: 15.94/20

#### Courses

- Design and construction of stethoscope. Supervisor: Dr. Majid Mohammad Beigie

## WORK EXPERIENCE

### Research Expert

Isfahan University of Medical Sciences

10/2018 – Present

Isfahan, Iran

#### Achievements/Tasks

- Internationalization of Research

## ORGANIZATIONS

Medical Image & Signal Processing research center (10/2018 – Present)

Researcher

Isfahan Neuro Technology Laboratory (10/2015 – Present)

Researcher

## CERTIFICATES

EEG signal Processing Workshop (2016)

A 30-hour intensive introduction to EEG signal Processing and its Application to computational neuroscience, National Brain Mapping Lab.

English Article Writing Workshop (2017)

A 21-hour Writing course, University of Isfahan

Advanced Statistical Methods for Rigorous Assessment of Findings in Scientific Reports (2018)

A 6-hour workshop organized by Student Scientific Association, University of Isfahan

## PERSONAL PROJECTS

SSVEP-Based Brain-Computer Interface (2016 – Present)

OCT Image Prospecting (2018 – Present)

## ACHIEVEMENTS

Neghabi, M., Marateb, H. R., & Mahnam, A. (2019). Comparing Steady-State Visually Evoked Potentials Frequency Estimation Methods in Brain-Computer Interface With the Minimum Number of EEG Channels. Basic and Clinical Neuroscience, 10(3), 245-256.