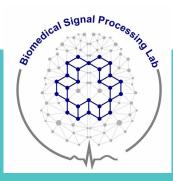# Sepehr Shirani

RESEARCH INTERESTS

- Biomedical signal processing
- EEG and MEG signal processing
- QEEG
- Neuroimaging using EEG and functional MRI
- Brain connectivity
- Brain mapping
- Diagnosis psychiatric and neural diseases using QEEG and ERP
- Brain Emotional Learning
- Brain Computer Interfaces
- Sleep study
- Pattern Recognition
- Computer Vision and Image Processing

CONTACT

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ABOUT ME

Fascinated by the field of neuroscience, my main focus during the past two years has been neuroimaging methods like EEG/ERP signal processing and fMRI imaging in order to reach a deeper understanding about brain functions and brain connectivity. I have been blessed with three important characteristics: ambition, determination, and perseverance. I am eager to learn more from people who have more experience and knowledge in biomedical engineering and neuroscience fields and I would be happy to work and collaborate with people with the same interests.

EDUCATION

- **K. N. Toosi University of Technology**
  M.Sc. IN Biomedical Engineering
  Thesis: "extracting brain connectivity features in Multiple Sclerosis from EEG resting state"

  Supervisor: Dr.Maryam Mohebbi

- **Isfahan University of Technology**
  B.Sc. IN Electrical Engineering - Electronic
  Thesis: "Building a wireless semiconductor gas sensor network with SIM modules"

  Supervisor: Dr.Vahid Ghafarinia

Biomedical Signal Processing Lab