



# Babak Seddighi

## RESEARCH INTERESTS

- ◆ Brain-Heart Interaction and Interoception Senses.
- ◆ Biomedical Signal Processing.
- ◆ Neural Networks.
- ◆ Pattern Recognition.
- ◆ Cognitive Neuroscience.
- ◆ Sleep Disorders.
- ◆ Discrimination of Sleep Stages.
- ◆ Diagnosis the Severity of Psychiatric Disorders Using Heartbeat Evoked Potentials.

## CONTACT

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- ◆ [www.twitter.com/babak\\_seddighi](https://www.twitter.com/babak_seddighi)
- ◆ [www.researchgate.net/profile/Babak\\_Seddighi](https://www.researchgate.net/profile/Babak_Seddighi)

## ABOUT ME

I am one of the members of K.N.Toosi University of Technology's BSP Lab. My area of research interests are in Brain-heart interactions and interoceptions fields. My specific hobbies are mostly reading books, writing short stories and watching conceptual movies. I have also been the co-founder and chief editor of Khazar Institute of Higher Education's quarterly journal of electrical engineering and technology entitled frequency, for two years. My hunger for learning has no limits and I would love to learn new things each and every day and when it comes to experiments, I believe in only one word and that's perfection.

## EDUCATION

### K. N. Toosi University of Technology

M.Sc. in Biomedical Engineering–Bioelectric

Thesis: Detection of Heartbeat Evoked Potentials (HEP) and Evaluation of Their Relationship with Sleep Disorders.

Supervisor: Dr. Maryam Mohebbi

### Khazar Institute of Higher Education

B.Sc. in Electrical Engineering–Electronic

Senior Project: Analysis Various Authentication and Verification Biometric Systems.

Supervisor: Dr. Mehrdad Moradnejad