

Mehdi Zangane, BSc.

Sharif University of Technology

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Education

- 2012 – Present **BSc**, Sharif University of Technology (SUT), Tehran, Iran
Major in Electronics and Electrical (Biomedical) Engineering
- 2008 – 2012 Diploma in mathematics and physics
Dr.Hashtrodi High School, Tehran, Iran

Research Interests

- Neural Engineering, Computational neuroscience
- Visual neuroscience, Memory and Learning

Research Experience

- 2015 - Present **Research Assistant**, Institute for Research in Fundamental Sciences (IPM),
School of Cognitive Sciences
Supervisor: Dr. Lashgari
Dissertation: LFP Classification in Visual Cortex, LFP Modeling in Visual Cortex
- 2014 - 2015 **Research Assistant**, Iran University of Science and Technology (IUST),
Lashgari Lab
Supervisor: Dr. Lashgari
Dissertation: Image segmentation in MR picture, Visual properties of neurons

Laboratories Experience

- Primate training
- Electrophysiological lab setup
- Task Designing for recording

Teaching Experience

- *Teaching Assistant* fall 2015
Fundamental of Neuroscience, Dr. Reza Lashgari,
Physics Department, Sharif University of Technology
- Private Teacher 2012 - 2014

Abstract and Conferences

1. Alikhani M, Rahimabadi A, Rahimi Nasrabadi H, **Zangane M**, Davodnia V, Lashgari R. “Neural adaptation in primary visual cortex of awake primates” . Chicago, IL: Society for Neuroscience, 2015
2. Rahimabadi A, Alikhani M, Davodnia V, **Zangane M**, Rahimi Nasrabadi H, Lashgari R. “ Method for analyzing neuronal response variability based on frequency response amplitude”. Chicago, IL: Society for Neuroscience, 2015

Awards and Honours

- Ranked **11th** in University Entrance Exam (Concours), 2012

Computer Skills

- *Programming:* MATLAB, C/C++, R, Python, Java, Verilog HDL
- *Image Analysis Software:* 3DSlicer
- *PCB and Electronic Designs:* Altium, OrcadPSPICE, Proteus
- *Graphical and Designing Tools:* AutoCAD, CorelDRAW