



BAHAREH KARIMI

BIOMEDICAL ENGINEERING

CONTACTS

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EDUCATION

◇ M.Sc. AmirKabir University of Technology

Biomedical Engineering (bioelectric), 2019-2021

Thesis: Prediction of Explosive Synchronization in Networks of Biological Oscillators

Supervisor: Dr.Sajad Jafari

sajadjafari@aut.ac.ir

◇ B.Sc. Alzahra University Of Tehran

Engineering Physics, 2014-2018

Thesis: Relativistic Stars and Black Holes

Supervisor: Dr.MohammadTaghi MirTorabi

torabi@alzahra.ac.ir

PROJETS AND RESEARCHES

◇ Design of Electrical Circuit of Bone Repair Process (2020)

The final project of Bioelectromagnetism

Instructor: Dr. Saviz

◇ Training and Comparing the two Methods of Classifying Gaussian Naïve Bayes and logistics Regression (2020)

The final project of Machine Learning

Instructor: Dr. Seyed Salehi

◇ Investigation the effect of switches on Neuron Izhikevich (2020)

The final project of Electrophysiology

Instructor: Dr. Hashemi Golpaygani

◇ Investigation of the Attractor of chartic system during Explosive Synchronization in the Complex Networks (2021)

The final project of chaos

Instructor: Dr. Jafari

SKILLS

HARDWARE DESCRIPTION LANGUAGE (HDL)

- VERILOG

APPLICATIONS

- Microsoft Office

PROGRAMMING LANGUAGE

- C++
- C

- AVR
- ASSEMBLY

- VISUAL BASIC
- MATLAB