



# NEGAR MASSIHI

## CONTACT

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**Google Scholar:**

<https://scholar.google.com/citations?user=pOT62nAAAAAJ&hl=en>

**Research Gate:**

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**Loop:**

<https://loop.frontiersin.org/people/1984242/overview>

Marital Status: Single

Birth: March 8, 1995

City: Tehran

Country: Iran

## Education

- Ph.D. student in Biomedical Engineering (Bioelectric), Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran (2021-present)
- M.Sc. degree in Biomedical Engineering (Bioelectric), Science and Research Branch, Islamic Azad University, Tehran, Iran (2017-2020), (Ranked 1)  
GPA: 19.65/20
- B.Sc. degree in Biomedical Engineering (Bioelectric), Science and Research Branch, Islamic Azad University, Tehran, Iran (2013-2017), (Ranked 2)  
GPA: 18.58/20
- Diploma in Mathematics and Physics, Toloo 1 High school, Tehran, Iran  
GPA: 19.83/20

## Projects

1. Extracting Features from Forearm Veins Pattern Images for Authentication of Individuals (M.Sc. thesis)  
Supervisor: Dr. Saeid Rashidi
2. Person Identification using cognitive map in a behavioral biometric by extracting time-frequency features (B.Sc. thesis)  
Supervisor: Dr. Keivan Maghooli

## Languages

	Reading	Listening	Writing	Speaking
<b>English:</b>				
<b>Persian:</b>	Native	Native	Native	Native

## Skills

<b>Matlab:</b>		<b>Focusky:</b>	
<b>Prezi:</b>		<b>Microsoft Office:</b>	
<b>Orcad:</b>		<b>ImageJ:</b>	
<b>Photoshop:</b>			

## Events, Courses and Certificates

- 2<sup>nd</sup> Conference on Novel Approaches of Biomedical Engineering in Cardiovascular Diseases, 2016.
- Introduction to programming with MATLAB software course, Soha educational-research institute, 2017.
- 27<sup>th</sup> National and 5<sup>th</sup> International Iranian Conference on Biomedical Engineering (ICBME), Amirkabir University of Technology, 2020.
- 5<sup>th</sup> Iranian Symposium on Brain Mapping Updates (ISBM2021), National Brain Mapping Lab, 2021.
- Brain Stimulation: Perspectives for the future Webinar, National Brain Mapping Lab, 2021.
- Introducing Surface EMG Signal Processing Methods: Applications and Challenges Workshop, National Brain Mapping Lab, 2021.
- Fundamentals of Biomedical Signals Processing with MATLAB Software (Application in Computational Neuroscience) Workshop, National Brain Mapping Lab, 2021.
- The role of transcranial current stimulation in ameliorating Dementia of Alzheimer's Type (DAT) symptoms, National Brain Mapping Lab, 2021.

## Articles

- **Title:** Authentication of Individuals based on Wrist Vein Images by Extracting Phase of Fractional Fourier Transform

**Authors:** Negar Massihi, Saeid Rashidi

**Published in:** 2020 27th National and 5th International Iranian Conference on Biomedical Engineering (ICBME)

- **Title:** Extracting features from wrist vein images using fractional fourier transform for person verification

**Authors:** Negar Massihi, Saeid Rashidi

**Journal:** Biomedical Physics & Engineering Express

## Research Interests

- Chaos theory and its application in biological signals and systems
- Medical and biomedical image processing
- Biological signal processing
- Pattern recognition
- Feature extraction and Classification
- Modeling of biological systems