

Armita Faghani Jadidi

Curriculum Vitae

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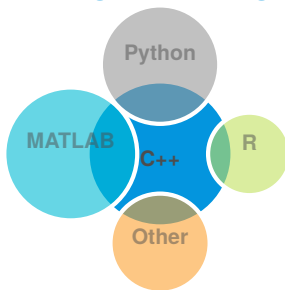


Armita Faghani

Research Interests

Neuroscience
Neurorehabilitation
Signal Processing
Machine Learning

Programming



Education

- 2019 - 2022 **Ph.D. Fellow (Marie Curie Fellowship)** [Aalborg University](#)
Center for Neuroplasticity and Pain (CNAP)
Department of Health Science and Technology
Ph.D. Thesis: Novel sensory feedback paradigm for alleviation of phantom limb pain
Supervisor: Prof. Winnie Jensen
- 2014 - 2017 **Master of Biomedical Engineering** [Amirkabir University of Technology \(Tehran Polytechnic\)](#)
Master Thesis: "Object decoding in different attention /consciousness state, EEG study."
Supervisor: Prof. Mohammad Hasan Moradi
- 2009 - 2013 **Bachelor of Biomedical Engineering** [Amirkabir University of Technology](#)
Bachelor Thesis: "The Impact of Numeration on Visual Attention during a Psychophysical Task, ERP Study."
Supervisor: Dr. Raheleh Davoodi

Teaching and Research Experience

- 1/2022-now **PhD external research co-operation** [New York University](#)
Medical Robotics and Interactive Intelligent Technologies (MERIIT) Lab
Mentor: Prof. S. Farokh Atashzar
- Winter 2021 **Bachelor students' supervision (two groups)** [Aalborg University, Denmark](#)
3rd semester project, title: The effect of peripheral electrical stimulation on the muscle activity within voluntary muscle contraction.
- Summer 2021 **Guest researcher at Central Institute of Mental Health** [Mannheim, Germany](#)
Collaboration intension: fMRI study on amputees with Phantom limb pain
- Spring 2016 **Part Time Lecturer** [Ruzbahan University, Mazandaran, Iran](#)
Courses: Introduction to Biomedical Engineering, Electrical Safety in Hospital System, Physiology Lab.
- Spring 2016 **Part Time Teacher at National Organization for Development of Exceptional Talents** [Mazandaran, Iran](#)
Courses: Chemistry Olympiad courses
- 2014 – 2016 **Part Time Tutor at private institute** [Mazandaran, Iran](#)
Courses: Introduction to Chemistry, Physics , Advanced Math.

Publications

Personal Skills



Languages

Persian ★★★★★
English ★★★★★
Danish ★★★★★

Armita Faghani Jadidi, Andrew Stevenson, Ali Asghar Zarei, Winnie Jensen, Romulus Lontis
Effect of Modulated TENS on Corticospinal Excitability in Healthy Subjects
Neuroscience, 2022

Ali Asghar Zarei, S. Farokh Atashzar, **Armita Faghani Jadidi**, Romulus Lontis, Winnie Jensen

Gamma-band Enhancement of Functional Brain Connectivity Following Transcutaneous Electrical Nerve Stimulation, *Journal of Neural Engineering, 2022*

Ali Asghar Zarei, **Armita Faghani Jadidi**, Romulus Lontis, Winnie Jensen

Short-term Suppression of Somatosensory Evoked Potentials and Perceived Sensations in Healthy Subjects Following TENS

IEEE Transactions on Biomedical Engineering, 2021

Armita Faghani Jadidi, Ali Asghar Zarei, Romulus Lontis, Winnie Jensen

Modulation of Corticospinal Excitability by Two Different Somatosensory Stimulation Patterns; As a Pilot Study

42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society in conjunction 2020, Montreal, Canada

Ali Asghar Zarei, **Armita Faghani Jadidi**, Romulus Lontis, Winnie Jensen

Transcutaneous Electrical Stimulation Influences the Time-Frequency Map of Cortical Activity - A Pilot Study

42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society in conjunction 2020, Montreal, Canada

Armita Faghani Jadidi, Raheleh Davoodi, Mohammad Hassan Moradi, Ali Yoonessi

The Impact of Numeration on Visual Attention during a Psychophysical Task; An ERP Study

The 21st Iranian Conference on Biomedical Engineering (ICBME) 2014, Tehran, Iran (IEEE Indexed)

Armita Faghani Jadidi, Mohammad Hassan Moradi

Separation of P300 Sources and Sub-components to Study the Impact of Numeration on Visual Attention; Using Constrained Blind Source Separation.

24th Iranian Conference on Electrical Engineering (ICEE) 2016, Shiraz, Iran (IEEE Indexed)

Armita Faghani Jadidi, Banafsheh Shafie Zargar, Mohammad Hassan Moradi

Categorizing Visual Objects; Using ERP Components

The 23rd Iranian and the 1st International Iranian Conference on Biomedical Engineering (ICBME) 2016, Tehran, Iran (IEEE Indexed)

Honors & Awards

- 2022 **Journal cover winner of March 2022 issue of Neuroscience**
- 2020 **Oral presenting at EMBC 2020, Montreal (virtual presentation)**
- 2019 **Marie Sklodowska-Curie Actions (MSCA) Horizon 2020, PhD fellowship**
- 2013 **341st Rank among more than 10,000 Participants in the nationwide
“Master of Biomedical Engineering” university entrance exam
Full Scholarship for Tuition Fee.**
National Organization of Educational Testing

References

Prof. Winnie Jensen

Department of Health Science and Technology, Aalborg university

Prof. Romulus Lontis

Department of Health Science and Technology, Aalborg university

Assistant Prof. Farokh Atashzar

Tandon School of Engineering, New York University