Zohre Azimi

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Education

Ruhr-University Bochum Since February 2014	**PhD student** Optical imaging group „*The influence of serotonergic signaling system on Visual cortical processing and ist relevance for motor behavior* " <u>Supervisors</u>: 　Dr. Dirk Jancke 　Prof. Dr. Stefan Herlitze
Amirkabir University of Technology (AUT) 2010 – 2013	**M.Sc. in Biomedical engineering, bioelectric** Tehran, Iran. **Thesis**: „*Modeling voluntarz action by the help of decision making components*". ***GPA: 3.8/4*** <u>Supervisor</u>: 　Dr. Shahriar Gharibzadeh
Amirkabir University of Technology (AUT) 2006 – 2010	**B.Sc. in Biomedical engineering, bioelectric** Tehran, Iran. **Thesis**: „*An investigation of functional disconnection between frontal and prefrontal cortex with parietal, temporal and occipital cortices in processing integrated visual and auditory information in children with ADHD*". ***GPA: 3.6/4*** <u>Supervisors</u>: 　Dr. Vahidreza Nafisi 　Dr. Mehran Ahmadlou

Work experience

Amirkabir University of Technology (AUT) 2010	**Graduate student assistant** Group of Neuromascular systems Chair of Biomedical engineering, Tehran, Iran. <u>Tasks</u>:

	• Desigin and development of behavioural tasks using psychophysics toolbox.
Amirkabir University of Technology (AUT) 2010	**Graduate student assistant** Group of cybernetic and modeling biological system. Chair of Biomedical engineering, Tehran, Iran. Tasks: • Implementing MPC for controling tremor for Parkinson patients. • Implementing recurrent neural network for Matsuoka's CPG model. • Desigin and development of behavioural tasks using psychophysics toolbox.
Amirkabir University of Technology (AUT) 2009	**Undergraduate student assistant** Dialysis Laboratory, Iranian Research Organization for Science and Technology. Tehran, Iran. Task: • Design, test and manufacturing electromagnetic sensors.
Amirkabir University of Technology (AUT) 2008	**Undergraduate student assistant** Chair of Biomedical engineering, Tehran, Iran. Task: • Developing image processing toolbox for soccer robots.

Skills

Languages	Persian (native), English (fluent), German (elementary)
Programming languages	**MATLAB** (fluent), **R** (familiar), **C/C++** (familiar), **Python** (familiar), **Arduino/FPGA/CPLD/AVR/x86** (familiar)
Academic skills	**Signal and image processing** (VSDI, calcium signal, EEG), **Neural network** (feedforward and recurrent neural networks), **Optogenetic**, **Immunhistochmistry**. **Computational cognitive modeling.**

Publications

Nortmann, N., Rekauyke, S., Azimi, Z., Onat, S., König, P., & Jancke, D. (2015) Frontier in System Neuroscience, 9.

Abstracts/Posters:
Zohre Azimi and Dirk Jancke (2018), The influence of serotonergic signaling on visual cortical processing. 11th FENS Forum of Neuroscience, Berlin, Germany.

In submission
Zohre Azimi, Katharina Spoida, Ruxandra Barzan, Patric Wollenweber, Melanie D. Mark, Stefan Herlitze, Dirk Jancke (2018)., Subtraction and division of visual cortical responses by the serotonergic system.

Referneces

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