Danesh Shahnazian

Curriculum Vitae

Ph.D. Candidate, Cognition and Brain Sciences (250) 853-3837

The University of Victoria d.shahnazian@gmail.com

The Department of Psychology

Education

Ph.D. in Psychology 2012–Present

Department of Psychology,

The University of Victoria, Victoria, Canada,

Advisor: Clay B. Holroyd

M.Sc. in Biomedical Engineering, 2009-2012

Department of Electrical and Computer Engineering

Faculty of Engineering, University of Tehran, Tehran, Iran,

Advisor: Gholam-Ali Hossein-Zadeh

B.Sc. in Electrical Engineering, 2004–2008

Department of Electrical and Computer Engineering

Faculty of Engineering, University of Tehran, Tehran, Iran,

Advisor: Gholam-Ali Hossein-Zadeh

Academic Background & Interests

Recurrent Neural Network Modeling, Computational Reinforcement Learning, Event-Related Potentials, functional Magnetic Resonance Imaging, Signal Processing, Pattern Recognition and Machine Learning.

Teaching Experience

University of Victoria, Victoria, Canada.

Sessional instructor–Measurement of psychological processes 2016

Teacher Assistant–Statistical Methods in Psychology 2013, 2014, 2015

University of Tehran, Tehran, Iran.

Teacher Assistant–Digital Signal Processing 2011

Teacher Assistant– Signals and Systems 2011

Teacher Assistant – Probability and Statistics 2011

Supervisory roles

University of Victoria, Victoria, Canada

Co-Supervisor of Honors project – 4th, year undergraduate student, Primary supervisor: Clay Holroyd 2016

Laboratory supervisor – Learning and cognitive control laboratory, Primary supervisor: Clay Holroyd ` 2016

Publications

Shahnazian, D., & Holroyd, C. B. (2017). Distributed representations of action sequences in anterior cingulate cortex: A recurrent neural network approach. *Psychonomic Bulletin & Review*, 1-20.

Shahnazian, D., Mokhtari, F., & Hossein-Zadeh, G. A. (2012, February). A method based on the granger causality and graph kernels for discriminating resting state from attentional task. In *Biomedical Engineering (ICoBE), 2012 International Conference on* (pp. 83-88). IEEE.

Abstract, Workshop Presentation and Posters

Shahnazian, D., & Holroyd, C. B, "Recurrent Neural Network Modeling of Anterior Cingulate Cortex"Lecture Presented at: *Pacific Northwest Conference on Cognition and Memory*, 2017, Burnaby, BC.

Shahnazian, D., & Holroyd, C. B, "Sensitivity of Anterior Cingulate Cortex to Reward Prediction Errors at Different Levels of Hierarchy" Lectures note presented at: *Pacific Northwest Conference on Cognition and Memory*, 2016, Vancouver, BC.

Shahnazian, D., & Holroyd, C. B, "Sensitivity of Anterior Cingulate Cortex to Reward Prediction Errors at Different Levels of Hierarchy" Poster Presented a*t: Society for Neuroscience Annual Meeting,* 2016, San Diego, CA.

Shahnazian, D., & Holroyd, C. B, "Recurrent Neural Network Modeling of Anterior Cingulate Cortex" Lecture presented at: *Pacific Northwest Conference on Cognition and Memory*, 2015, Bellingham, WA.

Shahnazian, D., & Holroyd, C. B, "Recurrent Neural Network Modeling of Anterior Cingulate Cortex" Poster Presented at: *The 2nd Multidisciplinary Conference on Reinforcement Learning and Decision Making,* 2015, Edmonton, AB.

Shahnazian, D., & Holroyd, C. B, "Prediction Errors at Different Levels of Hierarchy" Poster presented at: *Society for Psychophysiological Research Annual Meeting,* 2015, Seattle, WA.

Shahnazian, D., & Holroyd, C. B., "Recurrent Neural Network Modeling of Anterior Cingulate Cortex", Poster Presented at: *3rd Workshop on Computational Properties of Prefrontal Cortex,* 2014, Whistler, BC.

Honors & Awards

The University of Victoria Graduate Award 2014, 2015, 2016, 2017

Travel Award, Research Collaboration with the Cognitive & Affective Psychophysiology Lab.

University of Ghent, Ghent, Belgium 2015

Travel Award, *Society for Neuroscience Annual Meeting*, 2016, San Diego, CA 2016

Travel Award, *3rd Workshop on Computational Properties of Prefrontal Cortex*, Whistler, BC, 2016

Ranked 95th out of 12000 Students in M.Sc. National University Entrance Exam 2009

Ranked 150th out of 500000 Students in B.Sc. National University Entrance Exam 2004

References

Prof. Clay Holroyd, PhD. Email:holroyd@uvic.ca

University of Victoria, Victoria, Canada Phone (250) 853-3910

Prof. Adam Krawitz, PhD. Email:akrawitz@uvic.ca

University of Victoria, Victoria, Canada Phone (250)721-7551

Professional Memberships & Affiliations

Society for Neuroscience Meeting 2016-2017
Society for Psychophysiological Research, 2015-2016
Biomedical Research Group, University of Victoria 2012-2014

Languages

Persian **Native,** English **Fluent**

Computer skills

Microsoft Office, Matlab, BrainVision, SPM ToolBox , EEGlab, R