Shi Pui Donald Li

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EDUCATION

PhD   Johns Hopkins University   June 2021
       Cognitive Science
       Advisors: Dr. Michael Bonner, Dr. Brenda Rapp, Dr. Soojin Park

MA   Johns Hopkins University   June 2018
       Cognitive Science

BEng   Tsinghua University   July 2015
       Aerospace Engineering and Engineering Mechanics

EXPERIENCE

Visiting Assistant Professor   Sep 2022-Present
       Cognitive Science Department at Johns Hopkins University

Postdoctoral Research Fellow   Sep 2021-Aug 2022
       Cognitive Science Department at Johns Hopkins University
       Supervisors: Dr. Soojin Park, Dr. Michael McCloskey

Summer Research Intern   July 2014-September 2014
       Psychology Department at Rice University
       Supervisors: Dr. Simon Fischer-Baum, Dr. Randi Martin

Summer Intern   July 2012-September 2014
       Hong Kong Civil Aviation Department

PUBLICATIONS

Li, S. P. D. & Bonner, M. (in review). Tuning in scene-preferring cortex for mid-level visual features gives rise to selectivity across multiple levels of stimulus complexity.

Li, S. P. D., Lu, Z., Shao, J., McCloskey, M & Park, S. (in prep). A scene with an invisible wall - the role of navigational experience in visual scene perception.

Li, S. P. D., Lu, Z., McCloskey, M & Park, S. (in prep). Distinct contributions of visual cues to navigability judgement of scenes in human brain and behaviour.

Li, S. P. D. & Bonner, M. (2020). Curvature as an Organizing Principle of Mid-level Visual Representation: A Semantic-preference Mapping Approach. Proceedings of NeurIPS workshop on Shared Visual Representation in Human & Machine Intelligence.

Li, S. P. D., Law, S. P., Lau, K. Y. D., & Rapp, B. (2020). Functional orthographic units in Chinese character reading: Are there abstract radical identities?. *Psychonomic Bulletin & Review*, 1-14.

Fischer-Baum, S., Bruggemann, D., Gallego, I. F., **Li, D. S.**, & Tamez, E. R. (2017). Decoding levels of representation in reading: A representational similarity approach. Cortex, 90, 88-102.

AWARDS AND HONORS

Vision Research Travel Award	2021
Technology Fellowship Grants, JHU	2018
Lee Shau-Kee Scholarships, Tsinghua University	2011-2015

      Full Tuition and stipend awarded for undergraduate study in Tsinghua University

Undergraduate Overseas Research Training Program   2014

CONFERENCE PRESENTATIONS

Interpretable Neural Network Models of Visual Cortex – A Scattering Transform Approach. **Li, D.S.P.**, Michael F. Bonner. Cognitive Computational Neuroscience, 2022

Interpretable Neural Network Models of the Visual Cortex: A Scattering Transform Approach. **Li, D. S. P.**, Michael Bonner. Vision Science Society, 2022

Deep neural network models of visual cortex reveal curvature and real-world size as organizing principles of mid-level representation. **Li, D. S. P.**, Michael Bonner. Vision Science Society, 2021

A scene with an invisible wall-the role of navigational experience in visual scene perception. Park, S., **Li, D. S. P.**, Shao, J., Lu, Z., McCloskey, M. Vision Science Society, 2020

Changes in functional connectivity between the left fusiform gyrus and the right hemisphere homologues of the orthographic processing network in acquired dysgraphia. **Li, D. S. P.**, Tao, Y., Rapp, B. Academy of Aphasia, Macau, 2019

A scene with an invisible wall-Does navigation experience influence scene perception? **Li, D. S. P.**, Lu, Z., Park, S., Vision Science Society, 2019

Neural substrate of visual navigation cue integration. **Li, D.S.** , Lu, Z., Park, S. Society for Neuroscience, San Diego, CA, 2018

Functional orthographic units in Chinese character reading: Are there abstract radical representations. **Li, D.S.** & Rapp, B. Psychonomic Society, Vancouver, DC, 2017

TEACHING

Instructor, Visual Cognition, JHU. Fall 2022
Instructor, Cognitive Neuroscience, JHU. Spring 2019
Teaching assistant, Cognitive Neuropsychology of Visual Perception, JHU. Spring 2021
Guest Lecture, Virtual Reality App Development, JHU. Intersession 2018
Teaching assistant, Probabilistic Model of the Visual Cortex, JHU. Fall 2017
Teaching assistant, Cognitive Neuroscience, JHU. Spring 2017, 2018, 2021
Teaching assistant, Cognition, JHU. Fall 2016
Teaching assistant, Introduction to Cognitive Neuropsychology, JHU. Fall 2015

SERVICE

Peer Review
Behavior Research Method
NeurIPS 2021 Workshop SVRHM
Cognitive Computational Neuroscience