



Exponent[®]
Engineering & Scientific Consulting

Kelly LoVoi, Ph.D.

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Professional Profile

Dr. LoVoi has expertise in human cognition, attention, and perception with an emphasis on color perception, attention, and signal detection and response. With a background in cognitive neuroscience, she has used a combination of behavioral measurements, electrophysiological recordings, and neuroimaging to examine cognitive and perceptual processes and how they shape behavior.

Dr. LoVoi applies her expertise in perceptual and attentional processes to investigate how humans interact with products and the environment, including transportation accidents and slips, trips, and falls.

Dr. LoVoi earned her Ph.D. in Psychology at The Graduate Center, CUNY with an emphasis in cognitive neuroscience. Her doctoral research primarily focused on characterizing the spatial and temporal characteristics of visual perception that is induced through non-invasive brain stimulation. Her secondary research focused on the role that color plays in attention capture, particularly under conditions of inattention. Dr. LoVoi has also been an instructor at the City University of New York (CUNY) and has taught courses in perception, cognition, cognitive neuroscience, and general psychology.

Academic Credentials & Professional Honors

Ph.D., Psychology, City University of New York, 2020

B.S., Psychology, Southern Connecticut State University, 2012

Doctoral Student Research Grant, The Graduate Center, CUNY (2017)

Psychology Travel Award, The Graduate Center, CUNY (2017)

Provost's Pre-Dissertation Summer Research Award, The Graduate Center, CUNY (2017)

Science Fellowship, The Graduate Center, CUNY (2012)

Licenses and Certifications

Certified English XL Tribometrist (CXLT)

Academic Appointments

Teaching Assistant, Behavioral and Cognitive Neuroscience, CUNY, 2019

Adjunct Lecturer, Psychology, CUNY, 2016-2019

Prior Experience

Graduate Researcher, The Graduate Center, CUNY, 2012-2020

Research Intern, Yale Child Study Center, 2011-2012

Professional Affiliations

Society for Neuroscience (SfN)

Publications

Krauss, D., Young, D., Park, J., and LoVoi, K. (2026). Passenger vehicles. In Krauss, D. (Ed.), *Forensic Aspects of Driver Perception and Response* (pp. 143-154). 5th Edition. Lawyers & Judges Publishing Company.

LoVoi, K., Diebol, J.K., & Coelho, C.J. (2024). Behavioral Compliance with Safety Signs and Labels: An Update on Warnings Research. *The Defense News - WDTL*.

Diebol, J.K., LoVoi, K., & Coelho, C.J. (2023). Behavioral compliance with safety signs and labels: An analysis of research methods from the past 25 years. *Proceedings of the Human Factors and Ergonomics Society 67th Annual Meeting*, 67(1), 1031-1037.

*Webster, K., & Ro, T. (2020). Visual modulation of resting state α oscillations. *eNeuro*, 7(1), ENEURO.0268-19.2019.

*Webster, K., Clarke, J., Mack, A., & Ro, T. (2018). Effects of canonical color, luminance, and orientation on sustained inattention blindness for scenes. *Attention, Perception, & Psychophysics*, 80(7), 1833-1846.

*Webster, K., & Ro, T. (2017). Retinal and visual cortex distance from transcranial magnetic stimulation of the vertex affects phosphene perception. *Experimental Brain Research*, 235(9), 2857-2866.

*Published as Webster, K.

Presentations

LoVoi, K., Diebol, J.K., & Coelho, C.J. (2023). Behavioral compliance with safety signs and labels: An analysis of research methods from the past 25 years. Oral presentation given at the 67th Human Factors and Ergonomics Society Meeting, Chicago, IL.

*Webster, K., & Ro, T. (February 2019). Mapping the spatial and temporal characteristics of visual perception with transcranial magnetic stimulation. Oral presentation given at the 3rd International Brain Stimulation Conference, Vancouver, BC Canada.

*Webster, K., & Ro, T. (2018). Visual modulations of resting state alpha oscillations. Poster presented at the Graduate Center, CUNY 9th Annual Psychology Research Day, New York, NY.

*Webster, K., & Ro, T. (2017). Visual modulations of resting state alpha oscillations. Poster presented at the annual meeting of the Psychonomic Society, Vancouver, BC Canada.

*Webster, K. & Ro, T. (2016). Phosphene perception from transcranial magnetic stimulation (TMS) over the vertex. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.

*Webster, K., Clarke, J., Mack, A., & Ro, T. (2014). Appropriately colored scenes reduce inattentional

blindness. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.

*Webster, K. (2013). The effects of meaning enhancement on change detection. Poster presented at the annual meeting of the Eastern Psychological Association, New York, NY.

*Webster, K. (2012). The effects of meaning enhancement on change detection. Oral presentation given at the Connecticut State University Psychology Day, New Haven, CT.

*Presented as Webster, K.

Peer Reviews

NeuroReport