Byung-Il Oh

Curriculum Vitae

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Education

2013 – 2019	**B.A. in Psychology & B.S. in Convergence Software** Sungkyunkwan University

Experience

2018.10 – Present	**KATUSA** (Korean Augmentation To the United States Army) Republic of Korea Army
2015.02 – 2018.08	**Research Assistant** Visual Cognitive Neuroscience Lab (VCNL) Department of Psychology, Sungkyunkwan University Supervisor: Min-Suk Kang
Summer 2016	**Summer Internship** Sensorimotor Cognition Laboratory Center for Neuroscience Imaging Research, Institute of Basic Science Supervisor: Jun-Yeol Lee

Publications

1) **Oh, B.-I.**, Kim, Y.-J., Kang, M.-S. (in preparation). Ensemble representations reveal distinct neural coding of visual working memory.
2) Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (under review). Similarity-based clusters are representational units of visual working memory.
3) Kang, M.-S. & **Oh, B.-I.** (2016). Grouping influences output interference in short-term memory: a mixture modeling study. *Frontiers in Psychology*, *7:585*, 1-6.

Presentations

1) Kang, M.-S., **Oh, B.-I.**, & Kim, Y. (2018). Neural coding schemes of anterior and posterior brain regions in the formation of cluster representation in visual working memory. Poster presented at the 18th Annual Meeting of the *Society for Neuroscience*, SD., U.S.
2) Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (2018). Similarity-based clusters are the representational units of visual working memory. Poster presented at the 18th Annual Meeting of the *Vision Science Society*, St. Pete Beach, FL., U.S.
3) **Oh, B.-I.** & Kang, M.-S. (2018). Cluster representation during maintenance in visual working memory. Poster presented at the 18th Annual Meeting of *Korean Society for Cognitive and*

Biological Psychology, Suwon, the Republic of Korea.

4) Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (2018). Similarity-based clusters are the representational units of visual working memory. Poster presented at the 18th Annual Meeting of *Korean Society for Cognitive and Biological Psychology*, Suwon, the Republic of Korea.

5) **Oh, B.-I.** & Kang, M.-S. (2017). Time is needed for memory to be biased toward an ensemble average. Poster presented at the 17th Annual Meeting of the *Vision Science Society*, St. Pete Beach, FL., U.S. Abstract published in *Journal of Vision*, *17*(10), 350.

Programming skills

Primary: MATLAB (+EEGLAB/FieldTrip), Python (+PyMC3), R (+Stan)
Secondary: C/C++, C#, Java, HTML/CSS, JavaScript, Django, MySQL, Unity, Arduino, Photoshop

Campus activities

President
Undergraduate Students Society of Cognitive Psychology
Department of Psychology, Sungkyunkwan University
2015.01 - 2015.12

Tutor
Perception (PSY3008-01)
Department of Psychology, Sungkyunkwan University
Spring 2015

Tutor
Brain, Mind, and Behavior (PSY3013-01)
Department of Psychology, Sungkyunkwan University
Fall 2016