

EDUCATION

- 2013-present **PhD Candidate**, Cognitive Science, *Georgia State University*, Atlanta, GA.
2011-13 **M.S.** in Cognitive & Affective Psychology, *University of Wisconsin Oshkosh*.
2008-10 **Masters** in Personnel Management, *University of Pune*, India.
2005-08 **B. A.** in Psychology, *University of Pune*, India.

AWARDS

- 2018-19 **Dissertation Research Award**, *American Psychological Association*
2018-19 **Provost's Dissertation Fellowship**, *Georgia State University*
2016-18 **Language & Literacy Fellowship**, *Georgia State University*

PEER REVIEWED PUBLICATIONS

- Singh, S.**, Walk, A. M., & Conway, C. M. (2018). Atypical predictive processing during visual statistical learning in children with developmental dyslexia: an event-related potential study. *Annals of dyslexia*, 1-15.
- Singh, S.**, Daltrozzo, J., & Conway, C. M. (2017). Effect of pattern awareness on the behavioral and neurophysiological correlates of visual statistical learning. *Neuroscience of Consciousness*, 3(1).
- Daltrozzo, J., Emerson, S. N., Deocampo, J., **Singh, S.**, Freggens, M., Branum-Martin, L., & Conway, C. M. (2017). Visual statistical learning is related to natural language ability in adults: An ERP study. *Brain and Language*, 166, 40-51.
- Singh, S.**, Walk, A.M., & Conway, C.M. (2016). Visual statistical learning deficits in children with developmental dyslexia: An event related potential study. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.
- Singh, S.**, Daltrozzo, J., & Conway, C.M. (2015). Attention and pattern consciousness reorganize the cortical topography of event-related potential correlates of visual sequential learning. In D.C. Noelle, R. Dale, A.S. Warlaumont, J. Yoshimi, T. Matlock, C.D. Jennings, & P.P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 2212-2217). Austin, TX: Cognitive Science Society.
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- Singh, S., & Conway, C. M. (*in prep*). Organizing Reading Ability and Statistical Learning by Learning Outcome.
- Singh, S., Conway, C. M., & Arciuli, J. (*in prep*). Statistical Learning and Dyslexia: Does learning outcome matter?

PRESENTATIONS

- Spiess, T., **Singh, S.** Conway, C.M. *The Role of Chunk Strength and Grammaticality in Affecting Learning of an Artificial Grammar*. Poster presented at Georgia Undergraduate Research Conference, Gainesville, GA, November 2018.
- Raley, P., Crane, T., **Singh, S.**, & Conway, C.M. (2018). *Grammatically and Chunk Strength Information Indexed by ERPs and Behavioral Endorsement through Artificial Grammar Learning*. Poster presented at the Language and Literacy Day, Georgia State University, Atlanta GA, April 2018.
- Raley, P., Crane, T., **Singh, S.**, & Conway, C.M. (2017). *Neural & Behavioral Correlates of Grammaticality & Chunk Strength Information in Artificial Grammar*. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA, 2017.
- Singh, S.**, Walk, A.M., & Conway, C.M. (2017). *Atypical Predictive Processing During Visual Statistical Learning in Children with Developmental Dyslexia: an Event Related Potential Study*.

Poster presented at the Language and Literacy Day, Georgia State University, Atlanta GA, April 2017.

- Singh, S.,** Walk, A.M., & Conway, C.M. (2016). *Visual statistical learning deficits in children with developmental dyslexia: An event related potential study.* Poster presented at the Annual Society for Psychophysiological Research, Minneapolis, MN, September 2016.
- Singh, S.,** Walk, A.M., & Conway, C.M. (2016). *Visual statistical learning deficits in children with developmental dyslexia: An event related potential study.* Poster presented at the Annual Meeting of the Cognitive Science Society, Pennsylvania, PA, August 2016.
- Singh, S.,** Walk, A.M., & Conway, C.M. (2016). *Neural Correlates of Visual Statistical Learning in Children with Dyslexia: an ERP Study.* Poster presented at the Brains and Behavior retreat. Georgia State University, Atlanta, GA, April 2016.
- Singh, S.,** Walk, A.M., & Conway, C.M. (2016). *Neural Correlates of Visual Statistical Learning in Children with Dyslexia: an ERP Study.* Poster presented at the Center for Advanced Brain Imaging, Georgia Tech, Atlanta, GA, April 2016.
- Singh, S.,** Daltrozzo, J., Conway, C. M. (2015). *Attention and Pattern Consciousness Reorganize the Cortical Topography of Event-Related Potential Correlates of Visual Sequential Learning.* Poster presented at the Annual Meeting of the Cognitive Science Society, Pasadena, LA, July 2015.
- Singh, S.,** Daltrozzo, J., Deocampo, J., Conway, C.M. (2015). *An event-related potential effect of auditory sequential learning related to syntactic processing of natural language.* Poster presented at the Language and Literacy Day, Georgia State University, Atlanta, GA, May 2015.
- Daltrozzo, J., **Singh, S.,** & Conway, C.M. (2015). *Attention and pattern consciousness reorganize the cortical topography of event related correlates of visual sequential learning.* Poster presented at the NeuroGaming Conference and Expo, San Francisco, CA, May, 2015.
- Emerson, S., Daltrozzo, J., Ghali, A., **Singh, S.,** Freggens, M., & Conway, C.M. (2015). *Event related potential effects of musical aptitude on auditory sequential learning.* Talk presented at the 2015 *Annual Meeting of the Southern Psychological Association*, Hilton Head, SC, March, 2015.
- Singh, S.,** Smith, G. N. L., Daltrozzo, J., Conway, C.M. (2014). *Neural Correlates of Sequential Learning are Related to Personality Type.* Poster presented at the Annual Meeting of the Psychonomic Society (2014). Longbeach, CA, November 2014.
- Singh, S.,** Daltrozzo, J., Deocampo, J., Conway, C.M. (2014). *An event-related potential effect of auditory sequential learning related to syntactic processing of natural language.* Poster presented at the Society for Psychophysiological Research (2014) 54th Annual Meeting. Atlanta, GA, September 2014.
- Singh, S.,** Daltrozzo, J., Deocampo, J., Conway, C.M. (2014). *An event-related potential effect of auditory sequential learning related to syntactic processing of natural language.* Poster presented at the Cognitive Neuroscience Society (2014) Annual Meeting. Boston, MA, April 2014.
- Singh, S.,** Daltrozzo, J., Deocampo, J., Conway, C.M. (2014). *An event-related potential effect of auditory sequential learning related to syntactic processing of natural language.* Poster presented at the Brains and Behavior retreat. Georgia State University, Atlanta, GA, April 2014.
- Singh, S.,** Flick, H., Koch, J. (2013). *Social networking and brain hemisphere asymmetry: Effects on alpha power from induced jealousy using Facebook.* Poster presented at the Society for Neuroscience Annual Meeting. San Diego, CA, November 2013.

RESEARCH EXPERIENCE

Ongoing **PhD Dissertation**, Georgia State University, Atlanta, GA
Laboratory of **Christopher M. Conway, PhD**

- “*Neurophysiological Mechanisms of Reading and Statistical Learning in Adults with and without Reading Disorders.*”

- 2015** **Georgia State University & Emory University, Atlanta, GA**
-present **Laboratory of Christopher Conway, PhD & Dietrich Stout, PhD**
 • “*The Language of Technology: Neural Substrates of Tool-making and Language*”
- 2013** **Georgia State University, Atlanta, GA.**
-present **Laboratory of Christopher M. Conway, PhD**
 • “*Neural Mechanisms of Implicit Learning and Language*”
 • Electroencephalography (EEG) Data Collection & analyses
 • Event related potentials, Linear mixed modeling, EEG Source estimation
- 2012** **Masters Thesis, University of Wisconsin - Oshkosh, WI.**
 Laboratory of **Jim Koch, PhD**
 • “*Effects of Training on Attention*”
 • EEG Data collection, Behavioral Data collection & analyses
- 2012** **Duke University, Durham NC.**
 Laboratory of **Kevin LaBar, PhD & Warren Meck, PhD.**
 • “*Effects of Fear on time perception*”
 • Ran participants for the experiment using Biopac and Presentation software.
 • Collected Galvanic Skin Response data.
 • Presented preliminary findings
- 2011-12** **University of Wisconsin, Oshkosh, WI.**
 Laboratory of **Jim Koch, PhD**
 • “*Cortical correlates of jealousy: A study with electroencephalogram*”
 • Complied with IRB protocol, literature review and content analysis.
 • Acquired EEG asymmetry data
 • Performed data collection and analyses and presented findings

TEACHING EXPERIENCE

- 2017** **Guest Lecture, Georgia State University, Atlanta, Georgia.**
 • NEUR 4020 Cognitive Neuroscience, *Language & The Brain*
- 2014-16** **Graduate Research Assistant, Georgia State University - Psychology Dept.**
 • Introduction to Research Methods
 • *Lab instructor* for advanced research methods.
- 2013-14** **Graduate Research Assistant, Georgia State University - Psychology Dept.**
 • Introduction to Psychology, Introduction to Human Development, Introduction to Research Methods
 • *Lab instructor* for advanced research methods.
- 2012-13** **Graduate Research Assistant, University of Wisconsin Oshkosh - MBA Dept.**
 • Quantitative Business Analysis, Financial markets, HR Staffing & Planning, Occupational Safety & Health, Training & Development.

SCIENCE OUTREACH

- 2019** **Participant, ComSciCon-Atlanta: The Communicating Science workshop for graduate students**
- 2017** **Brain Awareness Volunteer, Centennial Place Elementary School, Atlanta, GA.**
- 2016** **Participant, ComSciCon-Chicago: The Communicating Science workshop for graduate students**
- 2016** **Brain Awareness Volunteer, Lilburn Elementary, Lilburn, GA.**
- 2016** **Atlanta Science Festival Volunteer, Trip Elementary School, Grayson, GA.**
- 2015** **Brain Awareness Volunteer, Meadowcreek Elementary School, Norcross, GA.**

OTHER EXPERIENCES

- 2018** **Sub Reviewer**, for PLOS-One Psychology
- 2018** **Judge**, Poster Session, 21st Psychology Research Day, Annual Atlanta University Center, Atlanta GA
- 2017** **Judge**, Poster Session, Psychology Undergraduate Research Conference, Georgia State University, Atlanta GA
- 2017** **Mentor**, Coursera Community: Introduction to UI Design Course
- 2017** **Sub Reviewer**, for Journal of Experimental Psychology
- 2016** **Judge**, Poster Session, Psychology Undergraduate Research Conference, Georgia State University, Atlanta GA
- 2015** **Conference Volunteer**, Second Language Research Forum, Georgia State University, Atlanta, GA.
- 2010** **Clinical Posting** - Sahyadri Specialty Hospital, Pune, Interned at Department of Behavioral Science and Mental Health.
- 2009** **Intern**, Suzlon Energy Ltd., Pune, Worked on the assessment of employee
- 2008** **Volunteer, Teacher Akanksha (NGO)**, for underserved children.

WORKSHOPS & INDEPENDENT COURSEWORK

- 2017** **Certified**, Evaluating User Interfaces by University of Minnesota on Coursera. Certificate earned on July 19, [User Interface Design Specialization *in progress*]
- 2016** **Certified**, Statistical Inference by Johns Hopkins University on Coursera. Certificate earned on May 24. [Data Science Specialization *in progress*]
- 2015** **Attendee**, Programming online experiments with jsPsych - July 22nd, Joshua de Leeuw, at the Annual Meeting of the Cognitive Society, Pasadena, California.
- 2014** **Attendee**, Mini ERP Boot Camp - September 9 -10th, Steven J. Luck, at the 54th Annual Meeting, Society for Psychophysiological Research, Atlanta Marriott Marquis, Atlanta, Georgia.
- 2011** **Certified**, 100 hours of clinical observation (Psychiatric), Department of Behavioral Science and Mental Health at Sahyadri Specialty Hospital, Pune.
- 2009** **Certified**, French Pre-Diplome & DELF-A2, '*Alliance Francaise De Poona*'.

REFERENCE

Christopher M. Conway, PhD
Boys Town National Research Hospital
555 North 30th St.
Omaha, Nebraska 68131
Phone: 531-355-5038
Email: christopher.conway@boystown.org