
Education

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| 2018 - Present | University of Pittsburgh , Pittsburgh, PA
Cognitive Psychology PhD Program
Advisor: Scott Fraundorf, PhD |
| 2012 - 2016 | Westminster College , Salt Lake City, Utah
B.S. Psychology, Brain & Behavior emphasis
Applied Mathematics Minor
Honors Program Minor
Cum Laude
Advisors: Lesa Ellis, PhD and Jen Simonds, PhD |

Thesis: *Examining Cognitive Style and Information Recoding using Event-Related Potentials*

Research Experience

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| 2018 – Present | <i>Graduate Student Researcher</i>
University of Pittsburgh MAPLE Lab
Supervisor: Scott Fraundorf, PhD |
| 2016 - 2018 | <i>Research Assistant</i>
University of Utah Center for Driving Safety & Technology
Supervisors: David Strayer, PhD and Joel Cooper, PhD |
| 2013 - 2016 | <i>Lab Manager and Research Assistant</i>
Westminster Interdisciplinary Neuroscience Lab
Supervisors: Lesa Ellis, PhD and Russell Costa, PhD |
| 2015-2016 | <i>Student Statistics Consultant</i>
Westminster Quantitative Analysis and Research Co-op (QUARC)
Supervisors: Sean Raleigh, PhD and Jen Simonds, PhD |

Research Interests

Broad: psycholinguistics, cognitive psychology, cognitive neuroscience, human-computer interaction, statistical methods

Specific: Processing of variability in speech, non-native speech, syntactic priming, linguistic alignment, predictive processes in language processing, dialectical speech, linear mixed effects regression

Classes

Linear Regression
ANOVA
Social Neuroscience
Intro to SEM

Reading Science
Cognitive Neuroscience
Cognitive Psychology

Mixed Effects Modelling
Advanced Topics in Neuroscience
Applied Statistics

Publications

Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, & Biondi, F. (In Press). Assessing the Visual and Cognitive Demands of In-Vehicle Infotainment Systems. *Cognitive Research: Principles and Implications*.

Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, Wheatley, C.L., Motzkus, C.M., Goethe, R.M., & Biondi, F. (2019). Visual and Cognitive Demands of CarPlay, Android Auto, and Five Native Infotainment Systems. *Human Factors*.

Biondi, F. N., **Getty, D.J.**, Cooper, J. M., & Strayer, D. L. (2019). Examining the effect of infotainment auditory-vocal systems' design components on workload and usability. *Transportation Research Part F: Traffic Psychology and Behaviour*, 62, 520-528.

Motzkus, C. J., **Getty, D. J.**, Campos, A., Cooper, J. M., & Strayer, D. L. (2018, September). Utilizing a Remote LED Stimulus to Concurrently Measure Cognitive and Visual Task Demand. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 62, No. 1, pp. 1-5). Sage CA: Los Angeles, CA: SAGE Publications.

Getty, D.J., Biondi, F., Morgan, S. D., Cooper, J. M., & Strayer, D. L. (2018). The Effects of Voice System Design Components on Driver Workload. *Transportation Research Record*, 2672(37), 94-100.

Biondi, F., **Getty, D.J.**, McCarty, M., Goethe, R., Cooper, J. M., & Strayer, D. L. (2018). The Challenge of ADAS Assessment: A Scale for the Assessment of the HMI of Advanced Driver Assistance Technology. *Transportation Research Record Journal of the Transportation Research Board*, 1-38.

Knaeble, B., Chan, J., Costa, R., McLean, K., **Getty, D. J.**, Rampeearie, R. (2017). Student's t Test and Scientific Reproducibility. *The Journal of the Utah Academy of Arts, Sciences, and Letters*, 93, 37-53.

Book Chapters

Strayer, D. L., **Getty, D. J.**, Biondi, F., & Cooper, J. S. (In Press). The Multitasking Motorist and the Attention Economy. In S. M. Lane and P. Atchley (Eds). *The Attention Economy*. APA Press.

Technical Reports

Strayer, D. L., Cooper, J. M., McCarty, M. M., **Getty, D. J.**, Wheatley, C. L., Campos, A., Motzkus, C., McKenzie, K., Loveless, S. M., Esplin, J., & Goethe, R. M. (2018). Visual and Cognitive Demands of Using Apple's CarPlay, Google's Android Auto, and Five Different OEM infotainment systems. *Washington, DC: AAA Foundation for Traffic Safety*.

Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, & Biondi, F. (2017). Visual and Cognitive Demands of Using In-Vehicle Infotainment Systems. *Washington, DC: AAA Foundation for Traffic Safety.*

Conference Talks

Biondi, F., Goethe, R. M., McCarty, M. M., **Getty, D.**, Cooper, J. M., Strayer, D. L. (2018, January). The Challenge of ADAS Assessment: A Scale for the Assessment of the HMI of Advanced Driver Assistance Technology. Presented at the *Transportation Review Board 2018* annual meeting, Washington, D.C.

Getty, D. (2015, September). Cognitive Style and Information Recoding. In B. Kleba, B. Avery, R. Hyde (Coordinators). *Westminster Summer Undergraduate Research Symposium*. Talk conducted from Westminster College, Salt Lake City, UT.

Getty, D. (2014, October). Cognitive Style and Information Recoding. In T. Dolan (Coordinator). *Westminster Summer Undergraduate Research Symposium*. Talk conducted from Westminster College, Salt Lake City, UT.

Poster Presentations

Motzkus, C. J., **Getty, D. J.**, Campos, A., Cooper, J. M., & Strayer, D. L. (2018, October). Utilizing a Remote LED Stimulus to Concurrently Measure Cognitive and Visual Task Demand. Presented at the *Human Factors and Ergonomics Society Annual Meeting*, Philadelphia, PA.

Getty, D., Biondi, F., Morgan, S. D., Cooper, J. M., Strayer, D. L. (2018, January). The Effects of Voice System Design Components on Driver Workload. Presented at the *Transportation Review Board 2018* annual meeting, Washington, D.C.

Chan, J., Knaeble, B., Costa, R., McLean, K., **Getty, D.**, Rampearee, R. (2016, March). Student's t Test and Scientific Reproducibility. Presented at the *Utah Academy of Arts, Sciences, and Letters* annual meeting, Salt Lake City, UT.

Ellis, L. K., Cohen, B., Nu, C.S., Zweifel, H., **Getty, D.**, & Costa, R.E. (2015, March). Enhanced Neural Processing of Emotional Stimuli in Late Adolescence vs. Adulthood. Presented at the *Cognitive Neuroscience Society* annual meeting, San Francisco, CA.

Nu, C. S., **Getty, D.**, *et al.* (2014, April). The Influence of Natural and Urban Environments on Attentional Processing of Emotional Stimuli. Presented at the *Rocky Mountain Psychological Association* annual meeting, Salt Lake City, UT.

Alves, J., **Getty, D.**, *et al.* (2014, April). The effects of chronic sleep deprivation on attentional and emotional processing. Presented at the *Rocky Mountain Psychological Association* annual meeting, Salt Lake City, UT.

Other Talks & Presentations

Getty, D.J. (2019, April). Syntactic adaptation to native and non-native speech. Presented at the *University of Pittsburgh Cognitive Psychology Brown Bag*, Pittsburgh, PA.

McCarty, M.M., **Getty, D.J.** (2017, October). Distraction Potential of In-Vehicle Information Systems. Presented at the *University of Utah Department of Psychology Brown Bag*, Salt Lake City, UT.

Teaching Experience

Spring 2019	Learning & Motivation Lab Sensation & Perception University of Pittsburgh	<i>Instructor</i> <i>Teaching Assistant</i>
Fall 2018	Intro to Psychology University of Pittsburgh	<i>Teaching Assistant,</i>
Fall 2015	Elementary Statistics Westminster Mathematics Department	<i>Teaching Assistant</i>
2014 – 2015	Intro to Psychology Westminster Psychology Department	<i>Teaching Assistant</i>
2014 – 2016	Intro to Brain and Behavior Intro to Psychology Westminster START Center	<i>Tutor</i> <i>Tutor</i>

Grants and Awards

2016	Research Honors, Meldrum Science Center—Westminster College
2016	Psychology Outstanding Graduate Award—Westminster College
2015	Gore Summer Research Grant—Westminster College
2014	Gore Summer Research Grant—Westminster College

Service and Committee Work

2019	Diversity Committee, Undergraduate Efforts Subcommittee Projects: Scholarship Bank
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Technical Skills

Proficient with: R for Statistical Computing, ggplot2, dplyr, lme4, Qualtrics survey system, Praat
Experience with: Matlab, Psychtoolbox and CogToolbox, rvest, tidytext,

Updated April 19th, 2019