

CARY STOTHART

University of Notre Dame
Department of Psychology
118 Haggard Hall
Notre Dame, IN 46556
cary.stothart@gmail.com
<http://cary-stothart.net>

EDUCATION

- 2016 **Ph.D. in Cognitive Psychology**
Florida State University
Adviser: Dr. Neil Charness
Dissertation: *An exploration of the time course of attention sets for object features*
- 2013 **M.S. in Cognitive Psychology**
Florida State University
Adviser: Dr. Neil Charness
Thesis: *Effects of repeated administration on intensity scales*
- 2008 **B.S. in Psychology**
University of Utah

RESEARCH EXPERIENCE

- 06/2016 – Now **Postdoctoral Research Associate** (with Dr. James Brockmole)
Visual Cognition Laboratory, University of Notre Dame
- 04/2016 – Now **Research Consultant** (with Dr. Neil Charness and Dr. Walter Boot)
Aging Driver and Pedestrian Safety Laboratory, Florida State University
- 08/2010 – 04/2016 **Graduate Research Assistant** (with Dr. Neil Charness and Dr. Walter Boot)
Aging Driver and Pedestrian Safety Laboratory, Florida State University
- 08/2007 – 06/2009 **Research Assistant** (with Dr. David Strayer and Dr. Frank Drews)
Applied Cognition Laboratory, University of Utah

TEACHING EXPERIENCE

- 2015 **Instructor** (Spring)
Conducting Statistics Using R
Florida State University

AWARDS

- 2016 Florida State University
Cognitive Area Graduate Student Travel Award (\$800)
- 2015 Accessibility and Safety for an Aging Population University Transportation Center
Doctoral Research Fellowship

GRANTS AWARDED

Stothart, C. (2015-2016). *Is the Driving Performance of Older Adults Exceptionally Impacted by Cell Phone Notifications?* Funded by DOT supported Accessibility and Safety for an Aging Population University Transportation Center. Total costs \$19,139.

Stothart, C. (2010-2011). *Individual Differences in Virtual Environment Habituation*. Funded by the Center for Research and Education on Aging and Technology Enhancement. Total costs \$5,000.

PUBLICATIONS

Citation History

Citations: 262 h-index: 5 i10-index: 4 (from Google Scholar)

Journal Articles

Stothart, C., Clement, A., & Brockmole, J. R. (2017). Satisfaction in motion: Subsequent search misses are more likely in moving search displays. *Psychonomic Bulletin & Review*. doi: 10.3758/s13423-017-1300-1

Stothart, C., Wright, T. J., Simons, D. J., & Boot, W. R. (2017). The costs (or benefits) associated with attended objects do little to influence inattention blindness. *Acta Psychologica*, 173, 101-105. doi: 10.1016/j.actpsy.2016.12.012

Drew, T., & **Stothart, C.** (2016). Clarifying the role of target similarity, task relevance and feature-based suppression during sustained inattention blindness. *Journal of Vision*, 16(15), 13. doi: 10.1167/16.15.13

Stothart, C., Boot, W. R., & Simons, D. J. (2015). Using Mechanical Turk to assess the effects of age and spatial proximity on inattention blindness. *Collabra*, 1(1), 1-7. doi: 10.1525/collabra.26

Stothart, C., Mitchum, A., & Yehmert, C. (2015). The attentional cost of receiving a cell phone notification. *Journal of Experimental Psychology: Human Perception and Performance*, 41(4), 893-897. doi: 10.1037/xhp0000100

- ◆ Mentioned in: *TIME, Forbes, Forbes, The Huffington Post, The Wall Street Journal, Mashable, NDTV, El Pais, Harvard Business Review, USA Today, India Today, The Daily Mail, The Atlantic, Business Insider, New York Magazine, Zee News, Ars Technica, MIT Technology Review, Mental Floss, Psychology Today, Digital Trends*

Stothart, C., Simons, D. J., Boot, W. R., & Kramer, A. F. (2014). Is the effect of aerobic exercise on cognition a placebo effect? *PLOS ONE*, 9(10), e109557. doi: 10.1371/journal.pone.0109557

- ◆ Mentioned in: *The New York Times, The Sydney Morning Herald, Philadelphia Magazine*

Boot, W. R., Simons, D. J., **Stothart, C.**, & Stutts, C. (2013). The pervasive problem with placebos in psychology: Why active control groups are not sufficient to rule out placebo effects. *Perspectives on Psychological Science*, 8(4), 445-454. doi: 10.1177/1745691613491271

- ◆ Mentioned in: *National Geographic, The Huffington Post, The Washington Post, Popular Science*

Boot, W. R., **Stothart, C.**, & Charness, N. (2013). Improving the safety of aging road users: A mini-review. *Gerontology*, 60(1), 90-96. doi: 10.1159/000354212

Technical Reports

Boot, W., Charness, N., Mitchum, A., Roque, N., **Stothart, C.**, & Barajas, K. (2015). Driving Simulator Studies of the Effectiveness of Countermeasures to Prevent Wrong-Way Crashes BDV30-977-10. Florida Department of Transportation.

Boot, W., Charness, N., Mitchum, A., Landbeck, R., & **Stothart, C.** (2014). Aging Road User Studies of Intersection Safety BDV30 TWO 977-04. Florida Department of Transportation.

Charness, N., Boot, W., **Stothart, C.**, Fox, M., Mitchum, A., & Landbeck, R. (2013). Aging Road User, Bicyclist, and Pedestrian Safety: Effective Cycling Signs and Preventing Left-Turn Crashes BDK83 977-15. Florida Department of Transportation.

Charness, N., Boot, W., Mitchum, A., **Stothart, C.**, & Lupton, H. (2012). Aging Driver and Pedestrian Safety: Improving Parking Lot Safety BDK83 977-12. Florida Department of Transportation.

Charness, N., Mitchum, A., Champion, M., Cowing, B., & **Stothart, C.** (2011). Aging Driver and Pedestrian Safety: Human Factors Studies BDK83 977-09. Florida Department of Transportation.

Proceedings Papers

Stothart, C., Boot, W. R., Simons, D., Charness, N., & Wright, T. (2016). *Age effects on inattention blindness: Implications for driving*. In J. Zhou, & G. Salvendy (Eds.). *Human Aspects of IT for the Aged Population. Healthy and Active Aging*. Paper presented at the International Conference on Human Aspects of IT for the Aged Population, Toronto, 17-22 July (pp. 441-448). Switzerland: Springer International Publishing. doi: 10.1007/978-3-319-39949-2_42

Boot, W. R., Barajas, K., Mitchum, A., **Stothart, C.**, & Charness, N. (2016). *Ensuring the safety and accessibility of transportation for an aging population*. In J. Zhou, & G. Salvendy (Eds.). *Human Aspects of IT for the Aged Population. Healthy and Active Aging*. Paper presented at the International Conference on Human Aspects of IT for the Aged Population, Toronto, 17-22 July (pp. 386-394). Switzerland: Springer International Publishing. doi: 10.1007/978-3-319-39949-2_37

INVITED TALKS

Stothart, C. (2016, September). *The effect of environmental context on attention*. Talk presented at the University of Illinois Urbana-Champaign, Champaign, IL.

PRESENTATIONS

Stothart, C., Clement, A., & Brockmole, J. R. (2017, May). *Satisfaction in motion: Moving search displays increase subsequent search misses*. Poster session to be presented at the Vision Sciences Society 17th Annual Meeting, St Pete Beach, FL.

Krasich, K., Clement, A., **Stothart, C.**, & Brockmole, J. R. (2017, May). *Does memory consolidation influence memory-driven attentional capture?* Poster session to be presented at the Vision Sciences Society 17th Annual Meeting, St Pete Beach, FL.

Stothart, C., Simons, D. J., Boot, W. R., & Wright, T. J. (2016, May). *Are threatening unexpected objects more likely to capture awareness?* Poster presentation at the Vision Sciences Society 16th Annual Meeting, St Pete Beach, FL.

Wright, T. J., Roque, N. A., Boot, W. R., & **Stothart, C.** (2016, May). *Exploring moderators of the relationship between working memory capacity and inattention blindness*. Poster presentation at the Vision Sciences Society 16th Annual Meeting, St Pete Beach, FL.

Wright, T., Roque, N., Boot, W., & **Stothart, C.** (2015, November). *Do individual differences in attentional control and susceptibility to distraction predict inattention blindness?* Poster presentation at Object Perception, Attention, & Memory 23rd Annual Conference, Chicago, IL.

Charness, N., Mitchum, A., Boot, W. R., **Stothart, C.**, & Lupton, H. (2015, January). *Human and environmental factors in parking lot crash risk for older pedestrians*. Poster presentation at Transportation Research Board, Transportation Research Board, Washington, DC.

Stothart, C., Boot, W., Simons, D., & Beyko, A. (2014, May). *Action video game experience does not predict multiple object tracking performance*. Poster session presented at the Vision Sciences Society 14th Annual Meeting, St Pete Beach, FL.

Yehnert, C., **Stothart, C.**, & Mitchum, A. (2014, April). *How simply receiving a cell phone call impacts inattention blindness susceptibility*. Poster session presented at the Florida State University Psychology Department Undergraduate Research Day, Tallahassee, FL.

Mitchum, A., Boot, W., Charness, N., **Stothart, C.**, Fox, M., & Lupton, H. (2014, March). *Reducing the magnitude of negative left-turn lane offset reduces risky turning behavior of younger, middle-aged, and older drivers: A driving simulator study*. Poster session presented at the 2014 UTC Conference for the South Eastern Region.

Stothart, C., Mitchum, A., & Stutts, C. (2013, April). *Can simply receiving a phone call or text message impair sustained attention?* Poster session presented at the Florida State University Psychology Department Graduate Research Day, Tallahassee, FL.

Beyko, A., **Stothart, C.**, & Boot, W. R. (2012, May). *Exploring the effects of video game experience and motivation on visual processing*. Poster session presented at the Vision Sciences Society 12th Annual Meeting, Naples, FL.

Stothart, C., Beyko, A., & Boot, W. R. (2012, April). *Can demand characteristics explain the superior performance of action gamers?* Poster session presented at the Florida State University Psychology Department Graduate Research Day, Tallahassee, FL.

Mitchum, A., Lupton, H., **Stothart, C.**, Charness, N., & Boot, W. (2012, April). *Aging and pedestrian safety: A multi-pronged approach to understanding parking lot hazards*. Poster session presented at Cognitive Aging Conference 2012, Atlanta, GA.

PROFESSIONAL SERVICE

2013 – 2015 Member of the Psychology Department Graduate Advisory Committee at Florida State University

REVIEWING

Human Factors (x3)
Journal of Experimental Psychology: Applied (x3)
Acta Psychologica
Gerontechnology; Journal of Gerontology
Attention, Perception, & Psychophysics (x3)
Journal of Media Psychology
Intelligence
Perceptual and Motor Skills
Psychonomic Bulletin and Review (x2)
Transactions on Learning

SKILLS

Programming Languages and Software Development

Python	5 Years
R	4 Years
PHP	4 Years
JavaScript	4 Years
HTML/CSS	4 Years

Research Equipment

NADS MiniSim Driving Simulator	6 Years
EyeLink 1000/2k Eye Tracker	7 Months

Data Collection Platforms

Amazon Mechanical Turk	4 Years
------------------------	---------