

# JING FENG

Assistant Professor, Department of Psychology, North Carolina State University  
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## Education

<b>Ph.D.</b> in Cognitive and Engineering Psychology, University of Toronto, Toronto, Ontario, Canada	2011
<b>M.A.</b> in Cognitive and Engineering Psychology, University of Toronto, Toronto, Ontario, Canada	2006
<b>B.Sc.</b> in Applied Psychology, Zhejiang University, Hangzhou, Zhejiang, China	2005

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## Research Interests

Attention, spatial cognition, cognitive aging, cognitive training and intervention, human factors in driving and display design

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## Academic Experience

<b>Assistant Professor</b> , Department of Psychology, North Carolina State University	2013 – present
<b>Post-Doctoral Fellow</b> , Department of Mechanical and Industrial Engineering, University of Toronto	2012 – 2013
<b>Post-Doctoral Fellow</b> , Rotman Research Institute, Baycrest Center for Geriatric Care	2011 – 2012
<b>Graduate Researcher</b> , Department of Psychology, University of Toronto	2005 – 2011

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## Grants, Scholarships and Awards

### Research Funding

“DO7 Task Order – Infrastructure, Cyber Security” (01/17-12/17), Jing Feng (**PI**). Funding agency: Laboratory for Analytic Sciences (**\$134,415**).

“Address the Challenges of Older Drivers in North Carolina using Modern Technologies” (10/16-09/17), Jing Feng (**PI**), Arthur Goodwin, Robert Foss. Funding agency: North Carolina Department of Transportation / National Highway Transportation Safety Administration (**\$91,729**).

“An Advanced NC State Driving Simulator” (07/15-06/17), David Kaber, Chris Cunningham, Jing Feng (**co-PI**), Nagui Roupail. Funding agency: North Carolina State University (**\$89,000**).

“Optimizing User Learning: The Road to Becoming SAS Savvy” (10/14-08/15), Jing Feng (**PI**), Michael Geden. Funding agency: SAS. (**\$23,959**).

“Fitness-to-drive: development and validation of a measurement tool” (01/14-09/14), Jing Feng (**PI**). Funding agency: CHASS Scholarship and Research Award – College of Humanities and Social Sciences, North Carolina State University (**\$4,000**).

### Global Engagement and Partnership Development

North Carolina International Travel Assistance Fund (06/17), Jing Feng. Funding agency: University International Affairs, College of Humanities and Social Sciences, North Carolina State University (**\$2,000**).

### Scholarships and Awards

University of Toronto Fellowship, University of Toronto (2005-2011)

Frederic Hudd Scholarship, Massey College, University of Toronto (2006-2008)

Massey College Academic Travel Grant, Massey College, University of Toronto (2006-2008)

The Faculty of Art and Science’s Graduate Student Conference Travel Grant, University of Toronto (2007-2008)

Outstanding Student Fellowship, Zhejiang University (2003-2004)  
 Excellent student Award, Zhejiang University (2003-2004)  
 Excellent Bachelor Thesis Award, Zhejiang University (2003-2004)  
 Excellent Achievement Scholarship, Zhejiang University (2001-2002)

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## Publications

\* indicates student co-author

### Peer reviewed journal articles

1. **Feng, J.**, Craik, F. I. M., Levine, B., Moreno, S., Naglie, G., & Choi, H.\* (2016). Differential age-related changes in attention across an extended visual field. *European Journal of Ageing*. DOI: 10.1007/s10433-016-0399-7
2. Clark, H.\*, & **Feng, J.** (2016). Age differences in the takeover of vehicle control and engagement in non-driving-related activities in simulated semi-autonomous driving. *Accident, Analysis & Prevention*. DOI: 10.1016/j.aap.2016.08.027
3. Jacob, T.\*, Snyder, W., **Feng, J.**, & Choi, H.\* (2016). A neural model for straight line detection in the human visual cortex. *Neurocomputing*, 199, 185-196.
4. **Feng, J.**, Marulanda, S., & Donmez, B. (2014). Susceptibility to driver distraction questionnaire: development and relation to relevant self-reported measures. *Transportation Research Record: Journal of the Transportation Research Board*, 2434, 26-34.
5. **Feng, J.**, & Spence, I. (2014). Upper visual field advantage in localizing a target among distractors. *i-Perception*, 5(2), 97-100.
6. Spence, I., Jia, A., **Feng, J.**, Elserafi, J., & Zhao, Y. (2013). How speech modifies visual attention. *Applied Cognitive Psychology*, 27(5), 633-643.
7. **Feng, J.**, & Spence, I. (2013). A mixture distribution of spatial attention. *Experimental Psychology*, 60(3), 149-156.
8. **Feng, J.**, Pratt, J., & Spence, I. (2012). Attention and visuospatial working memory share the same processing resources. *Frontiers in Psychology*, 3, 103.
9. Wu, S., Cheng, C. K., **Feng, J.**, D'Angelo, L., Alain, C., & Spence, I. (2012). Playing a first-person shooter video game induces neuroplastic change. *Journal of Cognitive Neuroscience*, 24, 1286-1293.
10. Spence, I., & **Feng, J.** (2010). Video games and spatial cognition. *Review of General Psychology*, 14, 92-104.
11. Spence, I., Yu, J., **Feng, J.**, & Marshman, J. (2009). Women match men when learning a spatial skill. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 35, 1097-1103.
12. Spence, I., DeYoung, C. G., & **Feng, J.** (2009). The technology profile inventory: construction, validation, and application. *Computers in Human Behavior*, 25, 458-465.
13. **Feng, J.**, Spence, I., & Pratt, J. (2007). Playing an action video game reduces gender difference in spatial cognition. *Psychological Science*, 18, 850-855.

### Journal manuscripts under review or revision

1. **Feng, J.**, & Spence, I. (under revision). Orienting of attention across the visual field.
2. Choi, H.\*, Geden, M.\*, & **Feng, J.** (under review). Mind wanders more in images when performing a visual concurrent task.
3. **Feng, J.**, Sanchez, J.\*, Sall, R.\*, Lyons, S., & Nam, C. (under review). Emotion facilitates human-human reliance when using automation in high risk situations.
4. **Feng, J.**, Choi, H.\*, Craik, F. I. M., Levine, B., Moreno, S., Naglie, G., & Zhu, M. (under review). Adaptive response criterion in road hazard detection among older drivers.
5. Shen, S., Koech, W., **Feng, J.**, & Zhu, M. (under review). Older adults' travel patterns in the United States in 2015.

### Journal manuscripts in preparation

1. Sall, R.\*, & **Feng, J.** (in preparation). Satisfaction of search affects hazard detection in driving.
2. Geden, M.\*, & **Feng, J.** (in preparation). Reduced target facilitation and increased distractor suppression during mind wandering.
3. Sall, R.\*, Choi, H.\*, & **Feng, J.** (in preparation, invited book chapter). Transportation in the golden age of aging.

4. Choi, H.\* , Grünh, D., & **Feng, J.** (in preparation). Attentional abilities, but not age, predict driving performance of older drivers.
5. Geden, M.\* , & **Feng, J.** (in preparation). Mind wandering during reading.
6. Geden, M.\* , & **Feng, J.** (in preparation). Improving learnability of SAS technical documentation.

#### Peer reviewed conference proceedings and papers

1. Barik, T., Smith, J., Lubick, K., Holmes, E., Feng, J., Murphy-Hill, E., & Parnin, C. (2017). Do developers pay attention to error messages? To appear in *the Proceedings of the 39th International Conference on Software Engineering*, Buenos Aires, Argentina.
2. Sall, R.\* , & **Feng, J.** (2016). Better off alone: presence of one hazard impedes detection of another when presented together in simulated traffic scenes. In *the Proceedings of the 2016 International Annual Meeting of the Human Factors and Ergonomics Society*, Washington, DC, USA.
3. Choi, H.\* , & **Feng, J.** (2016). Differential association of distinct attentional functions with specific driving errors and crash types. In *the Proceedings of the 95th Transportation Research Board Annual Meeting*, Washington, USA.
4. Choi, H.\* , Nam, C., & **Feng, J.** (2015). A wandering mind cannot resolve conflicts in displayed information. In *the Proceedings of the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
5. Clark, H.\* , & **Feng, J.** (2015). Driver behavior at take-over in partial autonomous driving. In *the Proceedings of the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
6. Geden, M.\* , & **Feng, J.** (2015). Environment impacts mind wandering during driving. In *the Proceedings of the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
7. Choi, H.\* , Grünh, D., & **Feng, J.** (2015). Self-report attentional failures during driving relate to on-road crashes and simulated driving performance of older drivers. In *the Proceedings of the 94th Transportation Research Board Annual Meeting*, Washington, USA.
8. **Feng, J.**, Craik, F. I. M., Levine, B., Moreno, S., Naglie, G., Choi, H.\* , & Medina, A.\* (2015). Drive Aware: measuring attention in the context of driving. In *the Proceedings of the 94th Transportation Research Board Annual Meeting*, Washington, USA.
9. Choi, H.\* , & **Feng, J.** (2014). Attentional Failures during Driving. In *the Proceedings of the 2014 International Annual Meeting of the Human Factors and Ergonomics Society*, Chicago, IL, USA.
10. Riggan, B. S.\* , Snyder, W. E., Wang, X., & **Feng, J.** (2014). A human factors study of graphical passwords using biometrics. In X. Jiang, et al. (Eds.) *Pattern Recognition: Lecture Notes in Computer Science 2014*, 464-475.
11. **Feng, J.**, Marulanda, S., & Donmez, B. (2014). Susceptibility to driver distraction questionnaire: development and relation to relevant self-reported measures. In *the Proceedings of the Annual Meeting of the Transportation Research Board*, Washington, USA.
12. **Feng, J.**, & Donmez, B. (2013). Design of Effective feedback: understanding driver, feedback and their interaction. In *the Proceedings of the 7th International Symposium on Human Factors in Drivers Assessment, Training, and Vehicle Design*, Bolton Landing, NY, USA.
13. **Feng, J.**, & Spence, I. (2010). Left or right? Spatial arrangement for information presentation. In *the Proceedings of IBM CASCON 2010*, Toronto, Canada.
14. **Feng, J.**, & Spence, I. (2008). Video games change your brain. In *the Proceedings of Meaningful Play 2008*, East Lansing, Michigan, USA.
15. **Feng, J.**, & Spence, I. (2008). Attending to large dynamic displays. In *the Proceedings of Computer-Human Interaction (CHI) 2008*, Florence, Italy.
16. **Feng, J.**, & Spence, I. (2007). Effects of cognitive training on individual differences in attention. In *the Proceedings of HCI International 2007: Engineering Psychology and Cognitive Ergonomics*, 13, 279-287, Beijing, China.
17. **Feng, J.**, & Spence, I. (2006). Closing the gender gap by training using action video games. In *the Proceedings of the Second IASTED International Conference on Education and Technology*, Calgary, Canada.
18. **Feng, J.**, & Spence, I. (2006). Prepare women for careers in ICT using video games. In *the Proceedings of IBM CASCON 2006*, Toronto, Canada.

### Book Chapters and Encyclopedia Entries

1. Choi, H.\* & **Feng, J.** (in press). Using video games to improve spatial abilities. Invited chapter in R. Zheng, & M. Gardner (Eds.) *The Handbook of Research on Serious Games for Educational Applications*.
2. McLaughlin, A., **Feng, J.**, & Whitlock, L. (2016). Video Game Training. To appear in S. Whitbourne (Eds.) *The Encyclopedia of Adulthood and Aging*.
3. Choi, H.\* & **Feng, J.** (2016). General Slowing Hypothesis. To appear in S. Whitbourne (Eds.) *The Encyclopedia of Adulthood and Aging*.
4. McLaughlin, A., **Feng, J.**, & Pak, R. (2015). Design for lifelong learning and fulfillment: convergence of science and technology in a hierarchy of needs. To appear in W. S. Bainbridge, & M. C. Roco (Eds.) *Handbook of Science and Technology Convergence*.

### Technical Report

1. **Feng, J.**, & Donmez, B. (2013). *Designing feedback to induce safer driving behaviors: A literature review and a model of driver-feedback interaction*. Technical report submitted to Toyota Collaborative Safety Research Center.

## Presentations and Posters

### Conference Presentations

1. Choi, H.\* & **Feng, J.** (2015). A wandering mind cannot resolve conflicts in displayed information. Presentation at *the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
2. Choi, H.\* & **Feng, J.** (2014). Attentional failures during driving. Presentation at *the 2014 International Annual Meeting of the Human Factors and Ergonomics Society*, Chicago, IL, USA, October 2014.
3. **Feng, J.** (2013). Care for brain health in older drivers. Presentation at *North Carolina State University Healthcare IT Forum*, Raleigh, North Carolina, USA, November 2013.
4. **Feng, J.**, Craik, F. I. M., Levine, B., Moreno, S., & Naglie, G. (2012). Designing a fitness-to-drive measure for older drivers. Presentation at *the 13th Inter-University Workshop on Human Factors*, Toronto, Canada, October 2012.
5. **Feng, J.**, Craik, F. I. M., Levine, B., Moreno, S., & Naglie, G. (2012). Aging, attention and training. Presentation at *Toronto Rehab DriverLAB*, Toronto, Canada, February 2012.
6. **Feng, J.**, & Spence, I. (2010). Left or right? Spatial arrangement for information presentation. Presentation at *IBM CASCON 2010*, Toronto, Canada, November 2010.
7. **Feng, J.**, & Spence, I. (2010). Play changes the brain. Presentation at *INPLAY 2010*, Toronto, Canada, May 2010.
8. **Feng, J.**, & Spence, I. (2008). Video games change your brain. Presentation at *Meaningful Play 2008*, East Lansing, Michigan, USA, October 2008.
9. **Feng, J.**, & Spence, I. (2007). Effects of cognitive training on individual differences in attention. Presentation at *HCI International 2007*, Beijing, China, July 2007.
10. **Feng, J.** (2007). Effects of video game playing on individual differences in attention. Presentation at *the 8th Annual Inter-University Workshop on Human Factor Engineering*, Toronto, Canada, January 2007.
11. **Feng, J.**, & Spence, I. (2006). Closing the gender gap by training using action video games. Presentation at *the Second IASTED International Conference on Education and Technology*, Calgary, Canada, July 2006.

### Conference Posters

1. Choi, H.\* & **Feng, J.** (2016). Distinct attentional functions are differentially associated with specific driving errors and crash types. Poster presented at *the 2015 North Carolina Cognition Conference*, Wake Forrest, NC, USA.
2. Sall, R.\* & **Feng, J.** (2016). You've got two good eyes but you still don't see: the effect of salience in dual hazard perception. Poster presented at *the 2016 North Carolina Cognition Conference*, Wake Forrest, NC, USA.
3. Clark, H.\* & **Feng, J.** (2016). Take-over in partial autonomous driving. Poster presented at *the 2016 North Carolina Cognition Conference*, Wake Forrest, NC, USA.
4. Choi, H.\* & **Feng, J.** (2016). Distinct attentional functions are differentially associated with specific driving errors and crash types: evidence from a preliminary study. Poster presented at *the 95th Transportation Research Board Annual Meeting*, Washington, USA.

5. Clark, H.\*, & **Feng, J.** (2015). Driver behavior at take-over in partial autonomous driving. Poster presented at *the Proceedings of the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
6. Geden, M.\*, & **Feng, J.** (2015). Environment impacts mind wandering during driving. Poster presented at in *the Proceedings of the 2015 International Annual Meeting of the Human Factors and Ergonomics Society*, San Francisco, CA, USA.
7. Choi, H.\*, & **Feng, J.** (2015). Attentional functions of a wandering mind. Poster presented at *the 2015 North Carolina Cognition Conference*, Elon, NC, USA.
8. Clark, H.\*, & **Feng, J.** (2015). The temporal effects of visual cues: how reliability affects task performance. Poster presented at *the 2015 North Carolina Cognition Conference*, Elon, NC, USA.
9. Geden, M.\*, & **Feng, J.** (2015). Mind wandering during driving. Poster presented at *the 2015 North Carolina Cognition Conference*, Elon, NC, USA.
10. Choi, H.\*, Grünh, D., & **Feng, J.** (2015). Self-report attentional failures during driving relate to on-road crashes and simulated driving performance of older drivers. Poster presented at *the 94th Transportation Research Board Annual Meeting*, Washington, USA.
11. **Feng, J.**, Craik, F. I. M., Levine, B., Moreno, S., Naglie, G., Choi, H.-S.\*, & Medina, A.\* (2015). Drive Aware: measuring attention in the context of driving. Poster presented at *the 94th Transportation Research Board Annual Meeting*, Washington, USA.
12. Marulanda, S., **Feng, J.**, & Donmez, B. (2014). Susceptibility to driver distraction questionnaire: development and relation to relevant self-reported measures. Poster at *the Proceedings of the Annual Meeting of the Transportation Research Board*, Washington, USA, January 2014.
13. **Feng, J.**, & Donmez, B. (2013). Design of effective feedback: understanding driver, feedback and their interaction. Poster at *the 7th International Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design*, Bolton Landing, New York, USA, June 2013.
14. **Feng, J.**, & Spence, I. (2012). Bias in the spatial distribution of attention. Poster at *the Annual Conference of the Cognitive Neuroscience Society*, Chicago, USA, April 2012.
15. **Feng, J.**, Spence, I., & Wu, S. (2012). Gender differences in working memory and mental rotation. Poster at *the Lake Ontario Visionary Establishment Annual Meeting*, Niagara Falls, Canada, February 2012.
16. **Feng, J.**, & Spence, I. (2012). Top-down control of attention across an extended visual field. Poster at *the Lake Ontario Visionary Establishment Annual Meeting*, Niagara Falls, Canada, February 2012.
17. **Feng, J.**, & Spence, I. (2010). Play changes the brain. Poster at *INPLAY 2010*, Toronto, Canada, May 2010.
18. Spence, I., & **Feng, J.** (2009). Video games and spatial cognition. Poster at *the Annual University of Toronto's Knowledge Media Design Institute 2009*, Toronto, Canada, December 2009.
19. **Feng, J.**, & Spence, I. (2008). Attending to large dynamic displays. Poster at *Computer-Human Interaction (CHI) 2008*, Florence, Italy, April 2008.
20. **Feng, J.**, & Spence, I. (2006). Prepare women for careers in ICT using video games. Poster at *IBM CASCON 2006*, Toronto, Canada, October 2006.

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## Invited Talks

1. **Feng, J.** (2016). Aging and Driving. Invited to the conference on *Aging and Environment*, Raleigh, North Carolina, October 2014.
2. **Feng, J.** (2014). Attentional Failures during Driving. Invited to *the Carolina Chapter of Human Factors and Ergonomics Society*, February 2014.
3. **Feng, J.** (2013). Play changes the brain. Invited to *Ontario Science Center*, Toronto, Canada, April 2013.
4. **Feng, J.** (2011). Human attention and display design. Invited to *Nokia Research Center Beijing*, Beijing, China, April 2011.
5. **Feng, J.** (2011). Gender and spatial cognition. Invited to *Institute of Psychology, Chinese Academy of Sciences*, Beijing, China, April 2011.
6. **Feng, J.**, & Spence, I. (2010). Play changes the brain. Invited to *INPLAY 2010*, Toronto, Canada, April 2010.

7. Feng, J., & Spence, I. (2007). Becoming more attentive by playing video games. Invited to *Defence Research and Development (DRDC) Canada*, Toronto, Canada, October 2007.

## Select Media Exposure

1. Canseliet, M. (2016). Parole d'expert. *Ubisoft Book (France)*, May 12, 2016.
2. Fleming, N. (2013). Why video games may be good for you. *BBC (Future)*, August 26, 2013.
3. Bagley, K. (2012). Get your game on. *YouBeauty*, November 8, 2012.
4. Author. (2007). Nurture strikes back: some sex differences that look biological are really cultrue. *The Economist*, September 7, 2007.
5. Elias, C. (2007). Playing video games reduces sex differences in spatial skills. *University of Toronto Bulletin*, September 25, 2007.
6. Author. (2007). Playing video games reduces sex differences in spatial skills. *ScienceDaily*, October 26, 2007.
7. Rempel, S. (2007). Games improve women's spatial skills. *The Toronto Star*, November 8, 2007.
8. Carpenter, S. (2007). Shoot first, ace geometry later: video games may eliminate the gender gap in spatial skills. *Scientific American Mind*, December, 2007.
9. Zacharzewski, M. (2007). Graj, bedziesz lepszy z matmy! (in Polish). *GameRanking*, December 2007.

## Teaching

Biological Psychology (PSY 430 001), North Carolina State University	Spring 2017
Biological Psychology (PSY 430 002), North Carolina State University	Spring 2017
Ergonomics (PSY 340 001), North Carolina State University	Fall 2016
Biological Psychology (PSY 430 001), North Carolina State University	Fall 2016
Human Attention (PSY 710 003), North Carolina State University	Spring 2016
Biological Psychology (PSY 430 001), North Carolina State University	Spring 2016
Biological Psychology (PSY 430 001), North Carolina State University	Fall 2015
Biological Psychology (PSY 430 002), North Carolina State University	Fall 2015
Ergonomics (PSY 430 001), North Carolina State University	Spring 2015
Biological Psychology (PSY 430 001), North Carolina State University	Spring 2015
Ergonomics (PSY 340 001), North Carolina State University	Fall 2014
Biological Psychology (PSY 430 001), North Carolina State University	Fall 2014
Ergonomics (PSY 430 001), North Carolina State University	Spring 2014
Human Attention (PSY 710 003), North Carolina State University	Spring 2014
Biological Psychology (PSY 430 001), North Carolina State University	Fall 2013

## Research Advising

### Chair of the committee (graduated)

HeeSun Choi (PhD), Fall 2013 – Fall 2016  
Hallie Clark (Master), Fall 2014 – Fall 2016

### Chair of the committee (current)

Jonathan Kasko (PhD student), Fall 2016 - present  
Hallie Clark (PhD student), Fall 2016 – present  
Robert Sall (PhD student), Fall 2015 - present  
Michael Geden (PhD student), Fall 2014 – present

### Committee member (graduated)

Olga Zielinska (Master), Spring 2014 – Summer 2015  
Alex Trowbridge (Master), Spring 2014 – Spring 2015  
Allaire Welk (Master), Spring 2014 – Spring 2015

William Grenhart (Master), Fall 2014 – Summer 2015  
 Addison English (Master), Spring 2015 – Spring 2016  
 Mei Lau (Master, Industrial and System Engineering), Spring 2016 – Summer 2016  
 Olivia Morejon (Master, Industrial and System Engineering), Spring 2016 – Summer 2016

#### **Committee member (current)**

Stephen Cauffman (PhD student), Fall 2016 – present  
 John Sprufera (PhD student), Spring 2016 – present  
 John Grishin (PhD student), Spring 2016 – present  
 Michelle Taub (PhD student), Spring 2016 – present  
 Titus Barik, (PhD student, Computer Science), Spring 2016 – present  
 Allaire Welk (PhD student), Summer 2015 – present  
 Jesseca Taylor (PhD student), Spring 2015 – present  
 James Baker (PhD student), Fall 2014 – present  
 Laura Matalenas (Master student), Spring 2016 – present  
 Thomas Stokes (Master student), Spring 2014 – present

#### **Undergraduate**

PSY 498 (Psychology Honors Seminar), North Carolina State University students: Michael Wilkinson	Spring 2017
PSY 499 (Individual Study in Psychology), North Carolina State University students: Anna Bringle, Sara Clore, Michelle Cota Miranda, Geoffrey Richardson, Lindsey Thayer, Grace Yusckat, Philip Zendels	Spring 2017
PSY 498 (Psychology Honors Seminar), North Carolina State University student: Michael Wilkinson	Fall 2016
PSY 499 (Individual Study in Psychology), North Carolina State University students: Lillian Gates, Laura McAtee, Geoffrey Richardson, Philip Zendels	Fall 2016
PSY 499 (Individual Study in Psychology), North Carolina State University students: Darrius Anderson, Shannon Sauls	Spring 2016
PSY 499 (Individual Study in Psychology), North Carolina State University students: Jesse DeLaRosa, Katherine Reavis	Fall 2015
PSY 499 (Individual Study in Psychology), North Carolina State University students: Ahmet Erbas, Jennifer Funaro, Zachary McRorie, Camilo Uribe Bernal, Jackson Wood	Spring 2015
PSY 499 (Individual Study in Psychology), North Carolina State University students: Annie Melton, Katherine Reavis, Erica Shade, Lesley Winchester, Jackson Wood	Fall 2014
PSY 499 (Individual Study in Psychology), North Carolina State University students: Hallie Clark, Sean McClain, Katherine Reavis	Spring 2014
PSY 499 (Individual Study in Psychology), North Carolina State University students: Hallie Clark, Jenny Yann	Fall 2013
Research interns, North Carolina State University students: Andy Jin (BSc, UNC-Chapel Hill), Anika Nurin Khan (Freshman, UNC-Chapel Hill), Joseph Sanchez (Junior, biochemistry, NCSU)	Summer 2014, 2015, 2016

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### **Professional Activities and Service**

#### **Chapter President (2016)**

Carolina Chapter, Human Factors and Ergonomics Society (HFES)

#### **Program Chair (2015)**

Aging Technical Group, Human Factors and Ergonomics Society (HFES)

#### **Member**

Transportation Research Board (TRB) Human Factors in Road Vehicle Automation Joint Subcommittee

Transportation Research Board (TRB) Standing Committee on Vehicle User Characteristics  
 Association of Psychological Science (APS)  
 American Psychological Association (APA), Division 21: Applied Experimental and Engineering Psychology  
 Human Factors and Ergonomics Society (HFES)

#### **AdHoc Reviewer (journals)**

Acta Psychologica, ACM Transactions on Computer Human Interaction, Applied Ergonomics, Attention, Perception and Psychophysics, Biological Psychiatry, Canadian Journal of Behavioral Science, Cerebral Cortex, Child Development, IEEE Transactions on Human-Machine Systems, Journal of Applied Gerontology, Journal of Individual Differences, Journal of Gerontology: Psychological Sciences, PLOS ONE, Psychology and Violence, Psychonomic Bulletin & Review

#### **AdHoc Reviewer (conferences)**

Automotive User Interface and Interactive Vehicular Applications, Conference on Computer Human Interaction (CHI), FuturePlay, The Annual Human Factors and Ergonomics Society Meeting (HFES)

#### **AdHoc Reviewer (grants)**

National Science Foundation (NSF), Netherlands Organisation for Scientific Research (NWO), Israel Ministry of Science Technology and Space, Swiss National Science Foundation (SNSF)

#### **Service to the University**

Advisory Board Member, Assistant and Associate Professors' Community at NCSU	July 2015 – present
Speaker, Building Future Faculty Program at NCSU	March 2015
Member, Psychology Department Award Committee	August 2014 – present
Organizer, Human Factors and Ergonomics Brownbag Series	August 2015 – present
Reviewer of department nomination to the CHASS dissertation award	April 2015
Member, Psychology Department Undergraduate Curriculum Committee	November 2016 – present

#### **Service to the Community**

Member, North Carolina Senior Driver Safety Coalition	January 2015 – present
Treasure, Carolina Chapter of the Human Factors and Ergonomics Society	January 2014 – December 2015
Technical Program Committee Member, Conference paper program of Future Play	April 2007 – April 2010