

## JEANINE K. STEFANUCCI

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### EDUCATION

August 2006      Ph.D. in Psychology, University of Virginia  
January 2004      M.A. in Psychology, University of Virginia  
May 1999          B.A. in Psychology and Cognitive Science, University of Virginia

### PROFESSIONAL EXPERIENCE

2015-present      Associate Professor, Department of Psychology, University of Utah  
2015-present      Adjunct Associate Professor, School of Computing, University of Utah  
2013                Visiting Scholar & Humboldt Fellow, Max Planck Institute for Biological  
Cybernetics, Tuebingen, Germany  
2009 - 2015      Assistant Professor, Department of Psychology, University of Utah  
2006 - 2009      Assistant Professor, Department of Psychology, College of William &  
Mary

### EXTERNAL FUNDING

#### Awarded:

2020-2021      ARL, BAA, W911NF-20-2-0093: *Augmented target recognition: Quantifying the costs and benefits of implementation*, P.I., Trafton Drew, Co-P.I. with Sarah Creem-Regehr, \$147,826  
2020-2023      ARI, BAA, W911NF-19-S-0006: *Assessing Spatial Memory Gist and Situational Awareness in Complex Environments*, Co-P.I. with Sarah Creem-Regehr (P.I. is Brent Chamberlain at Utah State University), Total Budget, \$798,661, Utah Budget: \$394,589  
2018-2022      NSF, CHS, Collaborative Research: *Designing virtual worlds for children: A developmental study of how they perceive, act, and reason spatially*, P.I. with co-P.I.s, Sarah Creem-Regehr & William B. Thompson, Total Budget, \$1,200,000 Utah Budget: \$539,504  
2018-2020      ARL, BAA, W911NF-18-2-0086: *Improving Operationalization of Temporal Aspects of Population-Centric Data through 3D Immersive Environments*, P.I. with Co-P.I., Sarah Creem-Regehr, \$119,848  
2017-2020      ONR: *Affordances for Quantitative and Objective Measures of Immersion and Presence*, Co-P.I. with Sarah Creem-Regehr, \$268,616  
2017-2018      ARL, BAA, W911NF-12-R-0011: *Course of Action Analysis: 3D Geospatial Visualization of Sociocultural Data for Improved Command and Control (C2)*

- Decision-Making*, P.I. with Co-P.I., Sarah Creem-Regehr, \$39,670
- 2016-2019 NIH, SBIR, 2R42AG044147-02A1: *Memory Care Partner*, Co-P.I. (10% effort) with P.I., Norman Foster, Total Budget, \$1,448,451, Utah Subcontract: \$473,986
- 2016-2019 NSF, DLS (BCS-1628583): *The Relationship between Mobility and Spatial Reasoning in Children across Cultures*, P.I., Elizabeth Cashdan, Co-P.I., \$199,926
- 2013-2018 NSF, IBSS (SMA-1329091): *Age Changes and Sex Differences in Spatial Cognition: Testing the Role of Mobility in Three Non-Industrial Societies and the U.S.*, P.I., Elizabeth Cashdan, Co-P.I. with Sarah Creem-Regehr and Harvey Miller, \$999,871
- 2011-2015 NSF, HCC: Small (IIS-1116636): *The Influence of Self-Avatars on Perception and Action in Virtual Worlds*, P.I.s, William Thompson and Bobby Bodenheimer, Co-P.I. with Sarah Creem-Regehr, \$249,927
- 2009-2014 NSF, HCC: Small: *A New Method for Evaluating Perceptual Fidelity in Computer Graphics*, P.I., William Thompson, Co-P.I. with Sarah Creem-Regehr, \$498,893
- 2007-2010 NIMH, R01, *Fear in the Eye of the Beholder: Fear and the Perception of Height*, Dennis R. Proffitt and Bethany A. Teachman, P.I.s, Stefanucci served as consultant, \$1,309,729

## INTERNAL FUNDING

- 2016 Kickstart Grant from University of Utah College of Humanities: *Expertise, Perception, and Attention*, P.I., Dustin Stokes, Co-P.I., Jeanine Stefanucci, Sarah Creem-Regehr, Trafton Drew, Wayne Wu (CMU), \$10,000 (1 year award)
- 2011 University of Utah Seed Grant: *The Role of the Body in Space Perception: Cognitive and Neural Mechanisms*, P.I., Stefanucci, Co-P.I., Sarah Creem-Regehr, \$28,500 (1 year award)
- 2011 University of Utah, College of Health Seed Grant: *Embodied Perceptions: An Investigation of Spatial and Body Size Perceptions among Individuals with Eating Disorders*, P.I., Justine Reel, Co-P.I., Stefanucci, \$6,000 (1 year award)
- 2009 QEP-Mellon, *Curriculum development grant for Computational Methods in Cognitive Science*, Co-P.I. with Noah Schwartz, \$4,500
- 2007 The Borgenicht Program for Aging Studies and Exercise Science Grant, \$1,500
- 2007 William & Mary Faculty Summer Research Grant, \$5,000

## FELLOWSHIPS AND HONORS

- 2019 Celebrate U Researcher Award from University of Utah
- 2019 Superior Teaching Award for Senior Faculty in the College of Social and Behavioral Sciences
- 2016 Inaugural Career Services Faculty Recognition Award
- 2015 Superior Research Award for Junior Faculty in the College of Social and Behavioral Sciences
- 2014 Irwin Altman Outstanding Psychology Faculty Award

- 2014 Earl Alluisi Award for early career achievement in the field of Applied Experimental/Engineering Psychology, APA Division 21
- 2013 Humboldt Fellowship for Experienced Researchers
- 2012 Excellence in Teaching Award from the National Society of Leadership and Success, Sigma Alpha Pi
- 2012 Honorary Membership, Sigma Alpha Pi
- 2005 Faculty Senate Dissertation Year Fellowship
- 2004 Honoree, Seven Society Graduate Fellowship for Superb Teaching
- 2004 Distinguished Teaching Fellowship
- 2003 Microsoft Future Professoriate Fellowship
  - Featured student on Microsoft Education website (April 2004)
- 2002 McDonnell-Pew Summer Institute in Cognitive Neuroscience Fellowship
- 1998 Howard Estes Vaughn Scholarship
- 1997 Psi Chi - National Honors Society for Psychology

## RESEARCH INTERESTS

Perception of Spatial Layout, Emotion and Cognition/Perception, Spatial Cognition, Virtual Environments, Human-Computer Interfaces and Applied Psychology, Sex Differences in Spatial Cognition

## PUBLICATIONS (\*student co-authors)

### *Books*

Thompson, W. B., Fleming, R. W., Creem-Regehr, S. H., & Stefanucci, J. K. (2011). *Visual Perception from a Computer Graphics Perspective*, New York: CRC Press, Taylor & Francis Group.

### *Journal Articles and Book Chapters*

Barhorst-Cates, E. M.\*, Stefanucci, J. K., & Creem-Regehr, S. H. (in press). A comparison of virtual locomotion methods in movement experts and non-experts: Testing the contributions of body-based and visual translation for spatial updating. *Experimental Brain Research*.

Munion, A.\*, Stefanucci, J. K., Butner, J. (in press). An ecological approach to modeling vision: Quantifying form perception using the circle map equation. *Ecological Psychology*.

Munion, A.\*, Stefanucci, J. K., Rovira, E., Squire, P., & Hendricks, M. (2019). Gender differences in spatial navigation: Characterizing exploration patterns during wayfinding. *Psychonomic Bulletin & Review*, 6, 1933-1940.

Creem-Regehr, S.H., Gill, D. M.\*, Pointon, G. D.\*, Bodenheimer, R. E., & Stefanucci, J. K. (2019). Mind the gap: Gap affordance judgments of children, teens, and adults in an

immersive virtual environment. *Frontiers in Robotics and AI: Virtual Environments*. doi.org/10.3389/frobt.2019.00096

- Ruginski, I.\*, Creem-Regehr, S.H., Stefanucci, J. K., & Cashdan, E. (2019). GPS-use negatively affects environmental learning through spatial transformation abilities. *Journal of Environmental Psychology*, 64, 12-20.
- Stefanucci, J. K. (2019). Publish with undergraduates or perish?: Strategies for preserving faculty time in undergraduate research supervision at large universities and liberal arts colleges. *Frontiers in Psychology: Educational Psychology*. doi: 10.3389/fpsyg.2019.00828.
- Schutz, M., & Stefanucci, J. K. (2018). Hearing value: Exploring the effects of amplitude envelope on consumer preference. *Ergonomics in Design: The Quarterly of Human Factors Applications*, 27, 16-19.
- Thaler, A.\*, Piryankova, I.\*, Stefanucci, J. K., Pujades, S., de la Rosa, S., Streuber, S., Romero, J., Black, M. J., & Mohler, B. J. (2018). Visual perception and evaluation of photo-realistic self-avatars from 3D body scans in males and females. *Frontiers in ICT: Virtual Environments*, 5:18, doi: 10.3389/fict.2018.00018.
- Gagnon, K. T.\*, Thomas, B. J., Munion, A.\*, Creem-Regehr, S. H., Cashdan, E. A., & Stefanucci, J. K. (2018). Not all those who wander are lost: Spatial exploration patterns and their relationship to gender and spatial memory. *Cognition*, 108-117.
- Padilla, L. M.\*, Creem-Regehr, S. H., Hegarty, M., & Stefanucci, J. K. (2018). Decision making with visualizations: A cognitive framework across disciplines. *Cognitive Research: Principles and Implications*, 3, 29, doi: 10.1186/s41235-018-0120-9.
- Ruginski, I. T.\*, Thomas, B., Geuss, M. N., & Stefanucci, J. K. (2018). Anxiety influences the perceptual-motor calibration of visually-guided braking to avoid collisions. *Journal of Motor Behavior*, doi: 10.1080/00222895.2018.1474335.
- Adams, H.\*, Narasimham, G., Rieser, J. J., Creem-Regehr, S. H., Stefanucci, J. K., & Bodenheimer, R. E. (2018). Locomotive and prism recalibration of children and teens in immersive virtual environments. *Transactions on Visualization and Computer Graphics*, 24, 1408-1417.
- Klatzky, R., Thompson, W. B., Stefanucci, J. K., Gill, D. M.\*, & McGee, K.\* (2017). The perceptual basis of vast space. *Psychonomic Bulletin & Review*, 24(6), 1870-1878.
- Padilla, L. M.\*, Creem-Regehr, S. H., Stefanucci, J. K., & Cashdan, E. A. (2017). Sex differences in virtual navigation influenced by scale and navigation experience. *Psychonomic Bulletin & Review*, 24 (2), 582-590.

- Schutz, M., Stefanucci, J. K., Baum, S. H.\*, & Roth, A.\* (2017). Name that percussive tune: Associative memory and amplitude envelope. *Quarterly Journal of Experimental Psychology*, *70*, 1323-1343.
- Guess, M. N.\*, McCardell, M. J.\*, & Stefanucci, J. K. (2016). Fear similarly alters perceptual estimates of and action over gaps. *PLoS One*. 11(7): e0158610.  
doi:10.1371/journal.pone.0158610
- Stefanucci, J. K., & Stokes, D. (2016). Commentary on Balci: On some limits to the motivational direction approach. *Emotion Review*, *8* (2), 129-135.
- Lambert, A. E.\*, Watson, J. M., Stefanucci, J. K., Medeiros-Ward, N.\*, Bakdash, J. Z., Strayer, D. L. (2016). Stereotype threat impairs older adult driving. *Applied Cognitive Psychology*, *30*, 22-28.
- Gagnon, K. \*, Cashdan, E., Stefanucci, J. K., & Creem-Regehr, S. H. (2015). Sex differences in exploration behavior and the relationship to harm avoidance. *Human Nature*, *27*, 82-97.  
doi 10.1007/s12110-015-9248-1
- Geuss, M. N.\*, Stefanucci, J. K., Creem-Regehr, S. H., Thompson, W. B., & Mohler, B. J. (2015). Effect of display technology on perceived scale of space. *Human Factors*, *57*, 1235-1247.
- Jun, E.\*, Stefanucci, J. K., Creem-Regehr, S. H., Geuss, M. N., & Thompson, W. B. (2015). Big foot: Using the size of a virtual foot to scale gap width. *Transactions on Applied Perception*, *12*, 16:1-16:12.
- Gagnon, K. T.\*, Geuss, M. N.\*, Stefanucci, J. K., Baucom, B. R., & Creem-Regehr, S. H. (2015). The influence of social context and body size on action judgments for self and others. *Journal of Experimental Psychology: Human Perception and Performance*, *41*, 1385-1395.
- Stefanucci, J. K., Creem-Regehr, S. H., Thompson, W. B., Lessard, D. A.\*, & Geuss, M. N.\* (2015). Evaluating the accuracy of size perception on screen-based displays: Displayed objects appear smaller than real objects. *Journal of Experimental Psychology: Applied*, *21*, 215-223.
- Linkenauger, S. A., Wong, H. Y., Geuss, M. N.\*, Stefanucci, J. K., Bulthoff, H. H., Mohler, B. J., & Proffitt, D. R. (2015). The perceptual homunculus: The perception of the relative proportions of the human body. *Journal of Experimental Psychology: General*, *144*, 103-113.
- Creem-Regehr, S. H., Stefanucci, J. K., & Thompson, W. B. (2015). Perceiving absolute scale in real and virtual environments: How theory and application have mutually informed the role of body-based perception. In B. Ross (Ed.) *The Psychology of Learning and Motivation*, Volume 62 (pp. 195-224).

- Linkenauger, S. A., Geuss, M. N.\*, Stefanucci, J. K., Leyrer, M., Richardson, B. H., Proffitt, D. R., Bulthoff, H. H., & Mohler, B. J. (2014). Evidence for hand-size constancy: The dominant hand as a natural perceptual metric. *Psychological Science*, *25*, 2086-2094.
- Piryankova, I.\*, Stefanucci, J. K., Romero, J., de la Rosa, S., Black, M., & Mohler, B. (2014). Can I recognize my body's weight? The influence of shape and texture on the perception of self. *Transactions on Applied Perception*, *11*, Article No. 13. doi: 10.1145/2641568
- Riener, C. R., & Stefanucci, J. K. (2014). Perception and/for/with/as action. In L.A. Shapiro (Ed.) *The Routledge Handbook of Embodied Cognition*, Routledge Press (pp. 99-107).
- Storbeck, J., & Stefanucci, J. K. (2014). Conditions under which arousal does and does not elevate height judgments. *PLoS One*. *9*(4): e92024. doi:10.1371/journal.pone.0092024
- Huynh, S. V.\*, Stefanucci, J. K., & Aspinwall, L. (2014). Self-affirmation counters the effects of self-regulatory resource depletion on height perception. *Journal of Experimental Social Psychology*, *52*, 96-100.
- Creem-Regehr, S. H., Gagnon, K. T.\*, Geuss, M. N.\*, & Stefanucci, J. K. (2013). Relating spatial perspective taking to the perception of other's affordances. Providing a foundation for predicting the future behavior of others. *Frontiers in Human Neuroscience*.*7*: 596. doi: 10.3389/fnhum.2013.00596
- Lambert, A. E.\*, Seegmiller, J. K.\*, Stefanucci, J. K., & Watson, J. M. (2013). On working memory capacity and implicit associations between advanced age and dangerous driving. *Applied Cognitive Psychology*, *27*, 306-313.
- Gagnon, K. T.\*, Geuss, M. N.\*, & Stefanucci, J. K. (2013). Fear influences perceived reaching to targets in audition, but not vision. *Evolution and Human Behavior*, *34*, 49-54.
- Geuss, M.\*, Stefanucci, J. K., Creem-Regehr, S. H., & Thompson, W. B. (2012). Effect of viewing plane on perceived distances in real and virtual environments. *Journal of Experimental Psychology: Human Perception and Performance*, *38*, 1242-1253.
- Stefanucci, J. K., Gagnon, K. T.\*, Tompkins, C.\*, & Bullock, K. E.\* (2012). Plunging into the pool of death: Imagining a dangerous outcome influences distance perception. *Perception*, *41*, 1-11.
- Siegel, E. H.\*, & Stefanucci, J. K. (2011). A little bit louder now: Negative affect increases perceived loudness. *Emotion*, *11*, 1006-1011.
- Stefanucci, J. K., Gagnon, K. T.\*, & Lessard, D.\* (2011). Follow your heart: Emotion adaptively influences perception. *Social Psychology and Personality Compass*, *5/6*, 296-308.

- Riener, C. R., Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2011). An effect of mood on the perception of geographical slant. *Cognition & Emotion, 25*, 174-182.
- Geuss, M.\*, Stefanucci, J.K., de Benedictis-Kessner, J.\*, & Stevens, N. R.\* (2010). A balancing act: Physical balance, through arousal, influences size perception. *Attention, Perception, & Psychophysics, 72*, 1890-1902.
- Stefanucci, J. K., & Geuss, M.\* (2010). Duck! Scaling the height of a horizontal barrier to body height. *Attention, Perception, & Psychophysics, 72*, 1338-1349.
- Stefanucci, J. K. (2010). Emotional high: Emotion and the perception of spatial layout. In E. Balcetis and G. D. Lassiter (Eds.) *The Social Psychology of Visual Perception*, Psychology Press (pp. 273-297).
- Stefanucci, J. K., & Geuss, M.\* (2009). Big people, little world: The body influences size perception. *Perception, 38*, 1782-1795.
- Linkenauger, S., Witt, J. K., Bakdash, J. Z., Stefanucci, J. K., & Proffitt, D. R. (2009). Asymmetrical body perception: A possible role for neural body representations. *Psychological Science, 20*, 1373-1380.
- Linkenauger, S., Witt, J. K., Stefanucci, J. K., Bakdash, J. Z., & Proffitt, D. R. (2009). Effects of handedness and reachability on perceived distance. *Journal of Experimental Psychology: Human Perception & Performance, 35*, 1649-1660.
- Stefanucci, J. K., & Proffitt, D. R. (2009). The roles of altitude and fear in the perception of heights. *Journal of Experimental Psychology: Human Perception & Performance, 35*, 424-438.
- Stefanucci, J. K., & Storbeck, J. (2009). Don't look down: Emotional arousal elevates height perception. *Journal of Experimental Psychology: General, 138*, 131-145.
- Clerkin, E. M., Cody, M. W., Stefanucci, J. K., Proffitt, D. R., & Teachman, B. A. (2009). Imagery and fear influence height perception. *Journal of Anxiety Disorders, 23*, 381-386.
- Schnall, S., Harber, K. D., Stefanucci, J., & Proffitt, D. R. (2008). Social support and the perception of geographical slant. *Journal of Experimental Social Psychology, 44*, 1246-1255.
- Teachman, B. A., Stefanucci, J. K., Clerkin, E. M., Cody, M. W., & Proffitt, D. R. (2008). A new mode of fear expression: Perceptual bias in height fear. *Emotion, 8*, 296-301.
- Stefanucci, J. K., Proffitt, D. R., Clore, G., & Parekh, N.\* (2008). Skating down a steeper slope: Fear influences the perception of geographical slant. *Perception, 37*, 321-323.

- Nishimura, E. M., Rapoport, E. D., Darling, B. A., Cervenka, J. P., Stefanucci, J. K., Proffitt, D. R., Downs, T. H., & Downs, J. H. (2007). Functional brain imaging for analysis of reading effort for computer-generated text. In D.D. Schmorow & L. M. Reeves (Eds.) *Foundations of Augmented Cognition*, New York: Springer.
- Stefanucci, J. K., O'Hagan, S. P.\*, & Proffitt, D. R. (2007). Augmenting context-dependent memory. *Journal of Cognitive Engineering and Decision Making*, 1 (4), 391-404.
- Witt, J. K., Stefanucci, J. K., Riener, C. R., & Proffitt, D. R. (2007). Seeing beyond the target: An effect of environmental context on distance perception. *Perception*, 36, 1752-1768.
- Stefanucci, J. K., Proffitt, D. R., Banton, T., & Epstein, W. (2005). Distances appear different on hills. *Perception & Psychophysics*, 67(6), 1052-1060.
- Banton, T., Stefanucci, J. K., Durgin, F., Fass, A. M., & Proffitt, D. R. (2005). The perception of walking speed in a virtual environment. *Presence*, 14 (4), 394-406.
- Proffitt, D. R., Stefanucci, J. K., Banton, T., & Epstein, W. (2003). The role of effort in perceiving distance. *Psychological Science*, 14 (2), 106-112.

***Published Conference Proceedings (peer-reviewed papers)***

- Gagnon, H. C.\*, Na, D.\*, Heiner, K.\*, Stefanucci, J. K., Creem-Regehr, S. H., & Bodenheimer, R. E. (2020). The role of viewing distance and feedback on affordance judgments in augmented reality. *Proceedings of the 2020 IEEE Virtual Reality (VR)*, Atlanta, GA.
- Liu, J.\*, Narasimhan, G., Stefanucci, J. K., Creem-Regehr, S. H., & Bodenheimer, R. E. (2020). Distance perception in modern mobile augmented reality. *PERCAR Workshop at the 2020 IEEE Virtual Reality (VR)*, Atlanta, GA.
- Thaler, A., Pujades, S., Stefanucci, J. K., Creem-Regehr, S. H., Tesch, J., Black, M. J., & Mohler, B. J. (2019). The influence of visual perspective on body size estimation in immersive virtual reality. *Proceedings of the 16<sup>th</sup> Annual ACM SIGGRAPH Symposium on Applied Perception*, Barcelona, Spain.
- Salas, C.\*, Pointon, G.\*, Adams, H. A.\*, Stefanucci, J. K., Creem-Regehr, S. H., Thompson, W. B., Bodenheimer, R. E. (2019). Distance judgments to on- and off-ground objects in augmented reality. *Proceedings of the 2019 IEEE Virtual Reality (VR)*, Osaka, Japan.
- Wu, H.\*, Adams, H.\*, Pointon, G.\*, Stefanucci, J. K., Creem-Regehr, S. H., & Bodenheimer, R. E. (2019). Danger from the deep: A gap affordance study in augmented reality. *PERCAR Workshop at the 2019 IEEE Virtual Reality (VR)*, Osaka, Japan.
- Ruginski, I. T.\*, Stefanucci, J. K., & Creem-Regehr, S. H. (2018). State anxiety influences sex differences in survey spatial learning. *Proceedings of the 10<sup>th</sup> Annual Spatial Cognition Conference*, Tuebingen, Germany.



- Pointon, G. \*, Thompson, C. \*, Creem-Regehr, S. H., Stefanucci, J. K., Bodenheimer, R. E. (2018). Affordances as a measure of perceptual fidelity in augmented reality. *PERCAR Workshop at the 2018 IEEE Virtual Reality (VR)*, Reutlingen, Germany.
- Bodenheimer, R. E., Creem-Regehr, S. H., Stefanucci, J. K., Shemetova, E. \*, & Thompson, W. B. (2017). Prism aftereffects for throwing with a self-avatar in an immersive virtual environment. *2017 IEEE Virtual Reality (VR)*, Los Angeles, CA.
- Tarampi, M. R. \*, Geuss, M. N. \*, Stefanucci, J. K., & Creem-Regehr, S. H. (2014). A preliminary study on the role of movement imagery in spatial perception. *Proceedings of the 6<sup>th</sup> Annual Spatial Cognition Conference*, Bremen, Germany.
- Satyavolu, S. \*, Creem-Regehr, S. H., Stefanucci, J. K., & Thompson, W. B. (2014). Pointing from a third person avatar location: Does dynamic feedback help? *Proceedings of the 11<sup>th</sup> Annual ACM SIGGRAPH Symposium on Applied Perception*, Vancouver, BC.
- Gerritsen, D. \*, Gagnon, K. \*, Stefanucci, J. K., & Drews, F. (2012). I'd like to introduce you to my desktop: Toward a theory of social human-computer interaction. In *Proceedings of the 56<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*, Boston, MA.
- Stefanucci, J. K., Lessard, D. \*, Geuss, M. \*, Creem-Regehr, S. H., & Thompson, W. B. (2012). Evaluating the accuracy of size perception in real and virtual environments. Presented in *Proceedings of the 9<sup>th</sup> Annual ACM SIGGRAPH Symposium on Applied Perception*, Los Angeles, CA.
- Raj, M. \*, Creem-Regehr, S. H., Rand, K. M. \*, Stefanucci, J. K., & Thompson, W. B. (2012). Kinect based 3D object manipulation on a desktop display. Presented in *Proceedings of the 9<sup>th</sup> Annual ACM SIGGRAPH Symposium on Applied Perception*, Los Angeles, CA.
- Geuss, M. \*, Stefanucci, J. K., Creem-Regehr, S. H., & Thompson, W. B. (2010). Can I pass? Using affordances to measure perceived size in virtual environments. In *Proceedings of the 7<sup>th</sup> Annual ACM SIGGRAPH Symposium on Applied Perception in Graphics and Visualization*, Long Beach, CA.
- Stefanucci, J. K., & Proffitt, D. R. (2005). Multimodal interfaces improve memory. *Paper presented at the 11<sup>th</sup> International Conference on Human-Computer Interaction*, Las Vegas, NV.
- Stefanucci, J. K., & Proffitt, D. R. (2002). Providing distinctive cues to augment human memory. In W. Gray & C. Schunn (Eds.), *Proceedings of the Twenty-fourth Annual Conference of the Cognitive Science Society* (p. 840). Mahwah, NJ: Erlbaum.
- Tan, D. S., Stefanucci, J. K., Proffitt, D. R., & Pausch, R. (2002). Kinesthetic cues aid spatial memory. *CHI 2002 Conference on Human Factors in Computing Systems*, Minneapolis, MN.

Tan, D.S., Stefanucci, J.K., Proffitt, D.R., & Pausch, R. (2001). The Infocockpit: Providing Location and Place to Aid Human Memory. *Workshop on Perceptive User Interfaces 2001*, Orlando, Florida.

### ***Submitted Manuscripts***

Barhorst-Cates, E. M.\*, Creem-Regehr, S. H., Stefanucci, J. K., Saccomano, T., Gardner, J., & Wright, C. (submitted). Spatial reference frame but neither age nor gender predict performance on a water level task in 8-11-year old children.

Cashdan, E. A., Gagnon K. T.\*, Stefanucci, J. K., Butner, J., & Creem-Regehr, S. H. (submitted). Why males and females navigate differently: Risk-seeking, harm-avoidance, and sex differences in range size.

Ruginski, I.\*, Creem-Regehr, S. H., Stefanucci, J. K., Barhorst-Cates, E., Davis, H., Sugiyama, L. S., Herlosky, K. N., Crittenden, A. N., Kramer, K., & Cashdan, E. A. (under revision). The MRTX: A chronometric mental rotation task accessible across age and culture.

Schug, M. G., Barhorst-Cates, E. \*, Stefanucci, J. K., Creem-Regehr, S. H., Olsen, A. P. L., & Cashdan, E. A. (submitted). Childhood experience reduces gender differences in spatial abilities: A Cross-Cultural Study.

Stefanucci, J. K., Saxon, M.\*, & Whitaker, M.\* (invited chapter, to appear). Embodied perception and action in real and virtual environments.

### ***Manuscripts in Preparation***

Barhorst-Cates, E. M.\*, Stoker, J\*., Stefanucci, J. K., & Creem-Regehr, S. H. (in preparation). Use of self-motion cues for spatial updating is influenced by age and presence of visual landmarks.

Ivy, S. \*, Rohovit, T. \*, Lavelle, M. \*, Padilla, L., Stefanucci, J.K., Stokes, D., & Drew, T. (in preparation). Through the eyes of the expert: Evaluating holistic processing in architects through gaze-contingent viewing.

Stefanucci, J. K., Creem-Regehr, S. H., & Bodenheimer, R. E. (in preparation). The use of affordances in virtual reality.

### **CONFERENCE PRESENTATIONS**

Gagnon, H. C.\*, Na, D.\*, Heiner, K. \*, Stefanucci, J. K., Creem-Regehr, S. H., & Bodenheimer, R. E. (2020, June). *Judgments of passing through augmented reality apertures: The role of viewing distance and feedback*. Poster presented at the annual meeting of the Vision Sciences Society.

- Rohovit, T.\*, Ivy, S.\*, Lavelle, M.\*, Stefanucci, J. K., Stokes, D., & Drew, T. (2020, June). *Through the eyes of the expert: Evaluating holistic processing in architects using gaze-contingent viewing*. Poster presented at the annual meeting of the Vision Sciences Society.
- Saxon, M. A.\*, Thomas, B. J., Stefanucci, J. K., & Creem-Regehr, S. H. (2020, June). *Investigating cues for perspective-taking in virtual reality*. Poster presented at the annual meeting of the Vision Sciences Society.
- Barhorst-Cates, E.M.\*, Creem-Regehr, S.H., & Stefanucci, J. K. (2019, May). *Movement experience and balance affect performance on a virtual triangle completion task*. Poster presented at the 59<sup>th</sup> Annual Meeting of the Psychonomics Society, Montreal, Canada.
- Barhorst-Cates, E.M.\*, Creem-Regehr, S.H., & Stefanucci, J. K. (2019, October). *Developmental differences in optimal locomotion methods for spatial updating in virtual reality*. Talk presented at Neuroscience 2019, Chicago, IL.
- Pointon, G.\*, Salas, C. Adams, H., Creem-Regehr, S. H., Stefanucci, J. K., Bodenheimer, R. E., & Thompson, W. B. (2019, September). *Perceived distance to augmented reality images is influenced by ground-contact*. *Journal of Vision*, 19, 15a.
- Saxon, M.\*, Thomas, B. J., Stefanucci, J. K., & Creem-Regehr, S. H. (2019, May). *Does avatar presence facilitate affordance judgments from different perspectives?* Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Gill, D. M.\*, Stefanucci, J. K., Olpin, Z.\*, & Thompson, W. B. (2018, November). *Awe-inspiring: Time perception slows in vast spaces*. Paper presented at the 59<sup>th</sup> annual meeting of the Psychonomic Society, New Orleans, LA.
- Nicora, G. L.\*, Drew, T., Stokes, D., & Stefanucci, J. K. (2018, November). *Do you see what I see?: Exploring holistic processing with gaze-contingent viewing*. Poster presented at the 59<sup>th</sup> annual meeting of the Psychonomic Society, New Orleans, LA.
- Pointon, G.\*, Thompson, C.\*, Creem-Regehr, S. H., Stefanucci, J. K., Joshi, M.\*, Paris, R.\*, & Bodenheimer, R. E. (2018, November). *Investigating space perception with affordance judgments in augmented reality*. Poster presented at the 59<sup>th</sup> annual meeting of the Psychonomic Society, New Orleans, LA.
- Barhorst-Cates, E.\*, Creem-Regehr, S. H., & Stefanucci, J. K., (2018, November). *Real and imagined spatial updating in expert dancers and non-dancers*. Poster presented at the 59<sup>th</sup> annual meeting of the Psychonomic Society, New Orleans, LA.
- Munion, A. K.\*, Stefanucci, J. K., Rovira, E., Squire, P., & Hendricks, M. (2018, September). *Gender differences in spatial navigation: An approach to characterizing how we wayfind*. Paper presented at the 7<sup>th</sup> International Conference on Spatial Cognition, Rome, Italy.
- Barhorst-Cates, E.\*, Wright, C., Creem-Regehr, S. H., Stefanucci, J. K., & Cashdan, E. A. (2018, September). *Movement and art experience: Spatial abilities and familiar environment*

- representations in 9-10 year olds*. Poster presented at the 10<sup>th</sup> annual Spatial Cognition conference, Tuebingen, Germany.
- Gill, D.\*, Ruginski, I.\*, Butner, J.\*, Geuss, M. N., Stefanucci, J.K., Creem-Regehr, S.H. (2018, April). *Investigating insight generation and decision making with visualizations in real and virtual environments*. Poster presented at the 1st Annual Meeting of the American Psychological Association: Technology, Mind, and Society, Washington D.C.
- McElroy, N.\*, Barhorst-Cates, E.\*, Tarampi, M., & Stefanucci, J. K. (2018, April). *Investigating static and dynamic spatial abilities in dancers*. Poster presented at the annual meeting of the Rocky Mountain Psychological Association, Denver, CO.
- Gill, D. M.\*, Pointon, G.\*, Creem-Regehr, S. H., & Stefanucci, J. K. (2017, November). *A comparison of children's and adults' judgments of action capabilities in virtual environments*. Poster presented at the 2017 Annual Meeting of the Psychonomic Society, Vancouver, BC.
- Ruginski, I.\*, Barhorst-Cates, E.\*, ... (2017, November). *Mobility for spatial cognition and navigation: Developing and validating a self-report scale to characterize travel patterns*. Poster presented at the 2017 Annual Meeting of the Psychonomic Society, Vancouver, BC.
- Pointon, G.\*, Creem-Regehr, S. H., & Stefanucci, J. K. (2017, November). *Actor specific kinematics and affordance judgments for others*. Poster presented at the 2017 Annual Meeting of the Psychonomic Society, Vancouver, BC.
- Thaler, A.\*, Piryankova, I., Geuss, M. N., Stefanucci, J. K., de la Rosa, S., Streuber, S., Romero, J., Black, M. J., & Mohler, B. J. (2017, August). *Gender differences in visual perception of own body weight*. Poster presented at the European Conference on Visual Perception, Berlin, Germany.
- Thomas, B., Geuss, M. N., Ruginski, I.\*, & Stefanucci, J. K. (2017, May). *Braking bad: Arousal influences the visual guidance of braking*. Poster presented at the 16<sup>th</sup> Annual Meeting of the Society for Vision Sciences, St. Pete Beach, FL.
- Thaler, A.\*, Geuss, M. N., Stefanucci, J. K., Molbert, S. C., Giel, K. E., Black, M. J., & Mohler, B. J. (2017, May). *Perception of others' body sizes is predicted by own body size*. Poster presented at the 16<sup>th</sup> Annual Meeting of the Society for Vision Sciences, St. Pete Beach, FL.
- Stefanucci, J. K., Creem-Regehr, S. H., & Cashdan, E. A. (2017, March). *Mobility contributes to sex differences in spatial cognition and navigation*. Poster presented at the 2017 International Conference on Psychological Science, Vienna, Austria.

- Dixon, L.\* , Padilla, L. M.\* , Stefanucci, J.K., Creem-Regehr, S. H., & Johnstone, A. (2016, November). *Relating video gaming and spatial cognition in women*. Poster presented at the 2016 Annual Meeting of the Psychonomic Society, Boston, MA.
- Munion, A. K.\* , Stefanucci, J. K., Butner, J., Rovira, E., Hendricks, M., & Squire, P. (2016, November). *Investigating sex differences in a large-scale, real-world wayfinding task*. Poster presented at the 2016 Annual Meeting of the Psychonomic Society, Boston, MA.
- Ruginski, I. T.\* , Gill, D. M.\* , Padilla, L. M., Stefanucci, J. K., Creem-Regehr, S. H., & Cashdan, E. A. (2016, November). *The effect of sex and parenthood on perceived distances to objects*. Poster presented at the 2016 Annual Meeting of the Psychonomic Society, Boston, MA.
- Ruginski, I.T.\* , Stefanucci, J.K., & Creem-Regehr, S.H. (2015, November). *The effect of anxiety on gender differences in survey spatial learning*. Talk presented at the 2015 Annual Meeting of the Psychonomic Society. Chicago, IL.
- Creem-Regehr, S. H., Padilla, L. M.\* , Stefanucci, J. K., & Cashdan, E. (2015, September). *Effects of spatial abilities, cue types, and scale on spatial memory in virtual natural landscapes*. Talk presented at the International Conference on Spatial Cognition (ICSC), Rome, Italy.
- Stefanucci, J. K., Gagnon, K.\* , Creem-Regehr, S. H., & Cashdan, E. (2015, September). *An Investigation of Mobility and Spatial Anxiety on Spatial Memory in a Virtual Environment*. Talk presented at the International Conference on Spatial Cognition (ICSC), Rome, Italy.
- Padilla, L.\* , Creem-Regehr, S. H., Stefanucci, J.K., & Cashdan, E. (2015, July). *Sex Differences in Virtual Navigation Influenced by Scale, Visual Cue-Types, Spatial Memory and Lifetime Mobility*. Poster presented at the Annual Conference of the Cognitive Science Society, Pasadena, CA.
- Gill, D. M.\* , Stefanucci, J. K., Creem-Regehr, S. H., & Barhorst, E.\* (2015, July). *The effects of spatial anxiety on memory for spatio-temporal scale*. Poster presented at the Annual Conference of the Cognitive Science Society, Pasadena, CA.
- Cashdan, E., Gagnon, K.\* , Barhorst, E.\* , Padilla, L.M.\* , Stefanucci, J.K, Creem-Regehr, S.H. (2015, May). *Sex differences in range size: When is travel worth the risk?* Talk presented at the Human Behavior and Evolution Society annual meeting, Columbia, MO.
- Schug, M., Stefanucci, J. K., Creem-Regehr, S. H., & Cashdan, E. (2015, March). *Wayfinding anxiety and childhood experience*. Poster presented at the Meeting of the Society for Research in Child Development, Philadelphia, PA.

- Gagnon, K. \*, Stefanucci, J. K., Creem-Regehr, S. H., & Cashdan, E. (2014, November). *Characterizing exploration behavior in a large-scale desktop virtual environment*. Poster to presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Padilla, L. \*, Creem-Regehr, S. H., Stefanucci, J. K., & Cashdan, E. (2014, November). *Effects of scale on sex differences in a virtual water maze*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Ruginski, I. \*, Geuss, M. N. \*, & Stefanucci, J. K. (2014, November). *Braking bad: The dynamic influence of anxiety on visually guided action performance*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Gagnon, K. \*, Cashdan, E., Stefanucci, J. K., & Creem-Regehr, S. H. (2014, July). *Sex differences in exploration and the relationship to harm avoidance*. Poster presented at the 26<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Natal, Brazil.  
\*\* Awarded 1 of 2 best student poster awards at the conference
- Gagnon, K. \*, Geuss, M. \*, Stefanucci, J. K., & Creem-Regehr, S. H. (2013, November). *The influence of body size and social context on action judgments for self and others*. Talk presented at the 53<sup>rd</sup> annual meeting of the Psychonomic Society, Toronto, ON.
- Geuss, M. \*, Du Toit, F. \*, & Stefanucci, J. K. (2013, November). *The dynamic relationship between fear and estimates of virtual heights*. Talk presented at the 53<sup>rd</sup> annual meeting of the Psychonomic Society, Toronto, ON.
- Huynh, S. \*, Stefanucci, J. K., & Aspinwall, L. A. (2013, January). *Self-affirmation counters the effects of cognitive resource depletion on height perception*. Poster presented at the 14<sup>th</sup> annual meeting of the Society for Personality and Social Psychology meeting, New Orleans, LA.
- Pasupathi, M., Drews, F. A., Stefanucci, J. K., & Wainryb, C. (2013, January). *Body-focused narration of sedentary activity reduces subsequent caloric intake*. Poster presented at the 14<sup>th</sup> annual meeting of the Society for Personality and Social Psychology meeting, New Orleans, LA.
- Gagnon, K. \*, McCardell, M. \*, & Stefanucci, J. K. (2012, May). *When reaching is risky, disgust influences estimates of exocentric distance*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Lessard, D. \*, Creem-Regehr, S. H., & Stefanucci, J. K. (2012, May). *Effects of environment constraints and judgments about action on distance judgments*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Rand, K. \*, Bakdash, J. \*, Stefanucci, J. K., & Creem-Regehr, S. H. (2012, May). *Perceptual dependence of size and distance? A within subjects variability approach*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.

- Lambert, A. E.\*, Watson, J. M., Stefanucci, J. K., Seegmiller, J. K.\*, Medeiros-Ward, N.\*, & Strayer, D. L. (2012, April). *On attentional control and the elderly driver stereotype*. Poster presented at the Cognitive Aging Conference, Atlanta, GA.
- Crowell, S. E., Bride, D. L.\*, Skidmore, C. R.\*, O'Connor, C. G.\*, Allred, C.\*, & Stefanucci, J. K. (2012, March). Concordance and discordance between self-report and psychophysiological assessments across several discrete emotion elicitation tasks. Paper presented at the biennial meeting for the *Society for Research on Adolescence*, Vancouver, British Columbia.
- Bride, D. L.\*, Crowell, S. E., Skidmore, C. R.\*, O'Connor, C. G.\*, Nguyen, T.\*, Hansen, E.\*, & Stefanucci, J. K. (2012, March). Psychophysiological responding to 2D versus 3D film clips. Poster presented at the biennial meeting of the *Society for Research on Adolescence*, Vancouver, British Columbia.
- Lambert, A. E.\*, Fitzpatrick, C. \*, Watson, J. M., Seegmiller, J. K.\*, Stefanucci, J. K., Medeiros-Ward, N.\*, & Strayer, D. L. (2012, January). *Negative stereotypes of elderly drivers impact older adult driving performance*. Poster presented at the 13<sup>th</sup> annual meeting of the Society for Personality and Social Psychology meeting, San Diego, CA.
- Gagnon, K. \*, Geuss, M. \*, Rueckert, J. \*, & Stefanucci, J. K. (2011, November). *A test of embodied perception with aurally perceived distances*. Poster presented at the 51<sup>st</sup> annual meeting of the Psychonomic Society, Seattle, WA.
- Platts, S. \*, Tarampi, M. \*, Geuss, M. \*, Stefanucci, J. K., & Creem-Regehr, S. (2011, April). *The influence of spatial expertise on perception and action*. Poster presented at the annual meeting of the Rocky Mountain Psychological Association, Salt Lake, UT.
- Rueckert, J. \*, Geuss, M. \*, Gagnon, K. \*, & Stefanucci, J. K. (2011, April). *The influence of affect on aurally and visually perceived distances*. Talk given at the annual meeting of the Rocky Mountain Psychological Association, Salt Lake, UT.
- Gagnon, K. \*, McCardell, M. \*, Fuhrman, S. \*, & Stefanucci, J. K. (2011, January). *Mapping the perceived extent of contamination*. Poster presented at the Annual Evolutionary Psychology Pre-conference, San Antonio, TX.
- Tarampi, M. \*, Geuss, M. N. \*, Stefanucci, J. K., & Creem-Regehr, S. H. (2010, November). *Yes I can: Dancers are overconfident in their affordance judgments*. Poster presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society, St. Louis, MI.
- Stefanucci, J. K., & Geuss, M. N.\* (2010, May). *Perception of the height of a barrier is scaled to the body*. Poster presented at the 10<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.

- Geuss, M. N.\*, & Stefanucci, J. K. (2010, May). *Arousal and imbalance influence size perception*. Poster presented at the 10th Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Creem-Regehr, S. H., Geuss, M. N.\*, Ziemek, T. R.\*, Allen, G. C.\*, Stefanucci, J. K., & Thompson, W. B. (2010, May). *Comparing different measures of space perception across real and virtual environments*. Poster presented at the 10th Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Stefanucci, J. K., & Siegel, E. H.\* (2009, May). *Things that go bump in the night: Fear alters sounds and smells*. Poster presented at the 21st Annual Meeting of the Association for Psychological Science, San Francisco, CA.
- Geuss, M. N.\*, & Stefanucci, J. K. (2009, May). *Mirror, mirror, on the wall: Can I walk through this aperture?* Poster presented at the 9th Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Siegel, E. H.\*, Walker, P.\*, & Stefanucci, J. K. (2009, May). *So close and yet so far away: An effect of disgust on distance perception and graspability*. Poster presented at the 9th Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Niederhut, D. E.\*, & Stefanucci, J. K. (2009, March). *Yes I know he's Jack the Ripper, but how fast is he running? Fear and motion perception*. Poster presented at the Annual Meeting of the Eastern Psychological Association, Pittsburgh, PA.
- Niederhut, D. E.\*, & Stefanucci, J. K. (2009, February). *The effect of emotion on biological motion perception*. Poster presented at the Evolutionary Psychology Preconference of the Society for Personality and Social Psychology, Tampa, FL.
- Clerkin, E. M., Cody, M. W., Aikens, T.H., Stefanucci, J. K., Proffitt, D. R., & Teachman, B. A. (2008, November). *Imagery biases visual perception in height fear*. Poster presented at the Annual Meeting of the Association for Behavioral and Cognitive Therapies, Orlando, FL.
- Siegel, E.\*, Geuss, M.\*, & Stefanucci, J. K. (2008, May). *How's it going to feel? Affective forecasting of fear and excitement in dangerous situations*. Poster presented at the 20<sup>th</sup> Annual Meeting of the Association for Psychological Science, Chicago, IL.
- Riener, C. R., Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2008, May). *Does depression change slant perception?* Poster presented at the 20<sup>th</sup> Annual Meeting of the Association for Psychological Science, Chicago, IL.
- Stefanucci, J. & Geuss, M.\* (2008, May). *Changing Spaces: Body size influences the perception of aperture width*. Poster presented at the 8<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.



- Siegel, E.\*, Geuss, M.\*, & Stefanucci, J. K. (2008, May). *Studying the relationship between emotion and height perception in naturalistic settings*. Poster presented at the 8<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Bakdash, J., Linkenauger, S., Stefanucci, J., Witt, J., Banton, T., & Proffitt, D. (2008, May). *Perceived distance influences simulated walking time*. Poster presented at the 8<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Naples, FL.
- Siegel, E.\*, Geuss, M.\*, & Stefanucci, J. K. (2008, March). *Emotional heights: The influence of affect on behavior and perception*. Poster presented at the Annual Meeting of the Eastern Psychological Association, Boston, MA.
- Storbeck, J. & Stefanucci, J. K. (2008, January). *Emotion regulation of arousal influences perception of heights*. Poster presented at the 8th Annual Meeting for the Society of Personality and Social Psychology, Albuquerque, NM.
- Schutz, M., Stefanucci, J. K., Carberry, A.\*, & Roth, A.\* (2007, November). *Name that (Percussive) Tune: Tone Envelope Affects Learning*. Poster presented at the 6th Annual Auditory Perception, Cognition, and Action Meeting, Long Beach, CA.
- Teachman, B. A., Stefanucci, J. K., Clerkin, E. M., Cody, M. W., & Proffitt, D. R. (2007, November). *Looking over the edge: Perceptual and implicit association biases in height fear*. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
- Stefanucci, J. K. & Proffitt, D. R. (2007, May). *Fear Influences the Perception of Spatial Layout*. Poster presented at the 19<sup>th</sup> Annual Meeting the Association for Psychological Science, Washington, DC.
- Stefanucci, J. K. & Storbeck, J. (2007, May). *Arousal Influences the Perception of Height*. Poster presented at the 7<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Schnall, S., Harber, K. D., Stefanucci, J., & Proffitt, D. R. (2007, January). *Social support and the perception of geographical slant*. Poster presented at the meeting of the Society for Personality and Social Psychology, Memphis, TN.
- Cody, M. W., Clerkin, E. M., Reiman, R. J., Winlack, J. F., Stefanucci, J. K., & Teachman, B. A. (2006, November). *Relationship of cognitive and perceptual biases to other markers of height fear*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- Schnall, S., Harber, K. D., Stefanucci, J. & Proffitt, D. R. (2006, July). *Social support and the perception of geographical slant*. Paper presented at the meeting of the Experimental Psychology Society, Plymouth, UK.

- Stefanucci, J. K., Bowles, R. P., & Spellman, B. A. (2006, May). *Political Beliefs Predict Resiliency to the September 11, 2001 Attacks*. Poster presented at the 18<sup>th</sup> Annual Meeting of the Association for Psychological Science, New York, NY.
- Spellman, B. A., & Stefanucci, J. K. (2006, May). *Remembrance of Emotions Past: How Did You Feel After September 11th, 2001*. Poster presented at the 18<sup>th</sup> Annual Meeting of the Association for Psychological Science, New York, NY.
- Stefanucci, J. K. & Proffitt, D. R. (2006, May). *Looking Down from High Places: The Roles of Altitude and Fear in the Perception of Height*. Poster presented at the 6<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Franchak, J. M. \*, Stefanucci, J. K., & Proffitt, D. R. (2006, May). *Within Striking Distance: Task Efficacy Influences Perceived Size and Distance*. Poster presented at the 6<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Linkenauger, S. A., Witt, J., Stefanucci, J., & Proffitt, D. R. (2006, May). *Ease to Grasp an Object Affects Perceived Distance*. Poster presented at the 6<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Stefanucci, J. K., & Proffitt, D. R. (2005, November). *Looking Down from High Places: The Roles of Altitude and Fear in Perceiving Heights*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, ON.
- Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2005, May). *Skating Down a Steeper Slope: The Effect of Fear on Geographical Slant Perception*. Poster presented at the 5<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Riener, C. R., Witt, J. K., Stefanucci, J. K., & Proffitt, D. R. (2005, May). *Seeing Beyond the Target: An Effect of Environmental Context on Distance Perception*. Poster presented at the 5<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Schnall, S., Witt, J. K., Augustyn, J. S., Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2005, May). *Invasion of Personal Space Influences Perception of Spatial Layout*. Poster presented at the 5<sup>th</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Dodson, C. S., Stefanucci, J. K., Darling, B. A., Hege, A. C. G., & Proffitt, D. R. (2005, April). *A fMRI investigation of source memory and interference in the 'who said what?' paradigm*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
- Augustyn, J. S., Stefanucci, J. K., & Proffitt, D. R., & Epstein, W. (2004, November). *Hit me with your best shot: action as a cue for object recognition*. Poster presented at the 45<sup>th</sup> Annual Meeting of the Psychonomic Society, Minneapolis, MN.

- Riener, C., Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2003, May). *Mood and Spatial Layout*. Poster presented at the 3<sup>rd</sup> Annual Meeting of the Society for Vision Sciences, Sarasota, FL.
- Riener, C., Stefanucci, J. K., Proffitt, D. R., & Clore, G. (2003, November). *Mood and the Perception of Spatial Layout*. Poster presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, BC.
- Stefanucci, J. K., Poppe, A. C., & Spellman, B. A. (2002, June). *The September 11, 2001 attacks: College students' changes in behavioral and emotional responses*. Poster presented at the 14<sup>th</sup> Annual Meeting of the American Psychological Society, New Orleans, LA.
- Poppe, A. C., Stefanucci, J. K., & Spellman, B. A. (2002, June). *The September 11, 2001 attacks: Gender differences in behavioral and emotional responses*. Poster presented at the 14<sup>th</sup> Annual Meeting of the American Psychological Society, New Orleans, LA.
- Stefanucci, J. K., Downs, T. H., Snyder, A. P., Downs, J. H., Proffitt, D. R. (2002, April). *Context-dependent memory engages a frontal-parietal-occipital network*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Banton, T., Stefanucci, J., Proffitt, D. R., & Epstein, W. (2001, November). *Distances appear different on hills*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the Psychonomic Society, Orlando, FL.
- Proffitt, D. R., Banton, T., Steve, J. K., & Epstein, W. (2000, November). *The role of effort in the perception of distance*. Paper presented at the 41st Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Banton, T., Steve, J., Durgin, F. H., & Proffitt, D. R. (2000, May). *The calibration of optic flow and treadmill speed during treadmill walking in a virtual environment*. Poster presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
- Durgin, F. H., Banton, T., Walley, K., Proffitt, D. R., Steve, J., & Lewis, J. (2000, May). *Locomotor recalibration in a virtual world*. Poster presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.

## **RESEARCH IN THE PRESS**

Dr. Stefanucci's work reviewed in APA Monitor:

Weir, K. (2018, February). Virtual reality expands its reach. *APA Monitor*, 49 (2), 54.

Press Release Regarding Klatzky et al. (2017)

Open but not rugged: The awe-inspiring vastness of Nullarbor (June 29, 2017)  
*Psychonomic Society*

Press Releases Regarding Lambert et al. (2016)

How stereotypes can threaten your driving (November 12, 2015) *Association for Psychological Science*

Dr. Stefanucci interviewed for KSL.com: “Fear: Why we love it” – video recorded interview aired on October 31, 2014 [http://www.ksl.com/?sid=32176385&nid=148&s\\_cid=rss-extlink](http://www.ksl.com/?sid=32176385&nid=148&s_cid=rss-extlink)

Press Releases Regarding Linkenauger et al. (2014)

Hand size appears to stay constant, providing natural ‘ruler’ (September 29, 2014)  
*Science Daily, EurekAlert, BioSciBlog*

Press Releases Regarding Stefanucci & Storbeck (2009)

Fear of Heights Linked to Vertical Perception (February 25, 2009) *New Scientist.com*  
People Who Fear Heights Overrate Distances (February 25, 2009) *Medicalgeek.com*

Press Releases Regarding Linkenauger et al. (2009)

Observations: A vast right-arm conspiracy: Study suggests handedness many affect body perception (December, 2009; Volume 22, Number 10) *APSObserver*  
A vast right-arm conspiracy: Study suggests handedness many affect body perception (November 5, 2009), *Science Daily, EurekAlert, PHYSORG.com, AllScienceNews.net!*  
Southpaws have a different view (November 5, 2009) *Psych Central*

Press Releases Regarding Schnall et al. (2008)

What are Friends For? A Longer Life (April 21, 2009) *NY Times*  
Friends Turn Mental Mountains into Molehills (June 15, 2008) *NewScientist.com*  
A Friend Can Ease Out Your Worries (June 18, 2008) *Times of India*  
Illusions of Steepness and Height (October, 2008) *Scientific American MIND*

## **INVITED TALKS**

*The Role of the Body in Perceiving Real and Virtual Environments*

Clemson University, Clemson, SC, October 2019

George Mason University, Fairfax, VA, December 2019

University of Central Florida, Orlando, FL, September 2016, January 2020

Indiana University, Bloomington, IN, April 2016

*LEO After Hours: The Science of Fear*, October 2015

*The Role of the Body in Perceiving Real and Virtual Spaces*

Dagstuhl Conference on Virtual Realities, Wadern, Germany, June 2013

Max Planck Institute for Biological Cybernetics, Tuebingen, Germany, February 2013

NC State University, Raleigh, NC, December 2012

*The Adaptive Influence of Bodily States on Perception*

University of Cincinnati, Cincinnati, OH, Jan. 2013

*The Adaptive Influence of Emotion on Perception*

Fred Rhodewalt Social Psychology Winter Conference, Park City, UT, Jan. 2013

*Chair of Invited Symposium for Society of Experimental Social Psychology (SESP): Emotional and Motivational Influences on Perception*

Austin, TX, Oct., 2012

*Real and Virtual Changes to the Body Affect the Perception of Affordances*

Invited symposium talk presented at the International Conference on Spatial Cognition, Rome, Italy, Sept. 2012

*Leadership and Scholarship*

Sigma Alpha Phi Induction and Awards Ceremony, Apr. 2012

*The Adaptive Influence of Emotion on Perception*

Embodiment Preconference, Annual Meeting for the Society for Personality and Social Psychology, San Diego, CA, Jan. 2012

*Understanding the Role of Emotion in Perception*

University of Utah, Dec. 2008

University of Notre Dame, Jan. 2009

Kansas State University, Mar. 2009

*The Role of Fear in the Perception of Spatial Layout*

College of William & Mary, Neuroscience Colloquium, Feb. 2008

*Emotional Influences on Perception & Cognition: Looking Down on the World*

University of Virginia, Feb. 2008

*Looking Down from High Places: The Roles of Altitude and Fear in the Perception of Height*

Quinnipiac University, Jan. 2006

Colgate University, Feb. 2006

College of William & Mary, Feb. 2006

University of North Carolina at Asheville, Feb. 2006

## COURSES TAUGHT

|            |  |                                    |
|------------|--|------------------------------------|
| 2017, 2019 | Advanced Cognition Graduate Seminar          | University of Utah                 |
| 2014       | Graduate Seminar on Human Factors            | University of Utah                 |
| 2012       | Graduate Seminar on Emotion and Cognition    | University of Utah                 |
| 2011-2013  | Human Factors                                | University of Utah                 |
| 2010, 2012 | Psychology as a Career and a Science         | University of Utah                 |
| 2009- 2020 | Engineering Psychology and Human Performance | University of Utah                 |
| 2008-2010  | Introduction to Cognitive Science            | William & Mary, University of Utah |
| 2006, 2014 | Sensation and Perception                     | William & Mary, University of Utah |
| 2007-2009  | Advanced Research in Perception              | William & Mary                     |
| 2006-2008  | Elementary Statistics                        | William & Mary                     |
| 2005       | Cognitive and Social Neuroscience            | University of Virginia             |
| 2004       | The Science of Vision and Audition           | James Madison University           |

## STUDENT SUPERVISION

Post-doctoral scholar, Dr. Brandon Thomas (2016-2018)  
Ph.D. student, Co-Chair of Thesis Committee: Mirinda Whitaker (2019-present)  
Ph.D. student, Co-Chair of Thesis Committee: Holly Gagnon (2018-present)  
Ph.D. student, Chair of Thesis Committee: Morgan Saxon (2018-present)  
Ph.D. student, Member of Prelim Committee: Ty McKinney (2018-2019)  
Ph.D. student, Member of Thesis Committee: Emily Scott (2017-present)  
Ph.D. student, Co-Chair of Thesis Committee: Ascher Munion (2015-2020)  
Ph.D. student, Member of Thesis Committee: Kristina Oldroyd (2018-2019)  
Ph.D. student, Member of Thesis Committee: James Coleman (2015-2017)  
Ph.D. student, Member of Thesis Committee: Jonna Turrill (2015-2018)  
Ph.D. student, Member of Thesis Committee: Rachel Hopman (2017-2019)  
Ph.D. student, Co-Chair of Thesis Committee: Grant Pointon (2016- present)  
Ph.D. student, Chair of Thesis Committee: Devin Gill (2014-2019)  
Ph.D. student, Co-Chair of Thesis Committee: Erica Barhorst-Cates (2014-2019)  
Ph.D. student, Member of Thesis Committee: Lace Padilla (2014-2018)  
Ph.D. student, Co-Chair of Thesis Committee: Ian Ruginski (2013-2018)  
Ph.D. student, Co-Chair of Thesis Committee: Kyle Gagnon (2010-2015)  
Ph.D. student, Chair of Thesis Committee: Michael Geuss (2009-2014)  
Ph.D. student, Co-Chair of Thesis Committee: David Lessard (2010-2014)  
Ph.D. student, Member of Thesis Committee: A. Eve Miller (2012-2014)  
Ph.D. student, Member of Thesis Committee: Kristina Rand (2010-2014)  
Ph.D. student, Member of Thesis Committee: Nathan Story (2012-present)  
Ph.D. student, Member of Thesis Committee: Jennifer Taber (2011-2013)  
Ph.D. student, Member of Thesis Committee: Margaret Tarampi (2010-2013)  
Ph.D. student, Member of Thesis Committee: Ann Lambert (2009-2011)  
Ph.D. student, Member of Prelim Committee: Christy Weeden (2010-2012)  
Ph.D. student, Member of Prelim Committee: Nathan Medeiros-Ward (2010-2011)  
Ph.D. student, Member of Prelim Committee: A. Eve Miller (2010-2011)

Ph.D. student, Member of Thesis Committee: Andrea Morris (2010-2011)  
Ph.D. student, Member of Thesis Committee: Joel Cooper (2009-2010)  
Ph.D. student, Member of Thesis Committee: Benjamin Kunz (2009-2010)  
M.A. student, Chair of Thesis Committee: Erika Siegel (2007-2009)  
M.A. student, Member of Thesis Committee: Natalie Brito (2006-2008)  
M.A. student, Member of Thesis Committee: Kristin Reardon (2007-2009)  
M.A. student, Member of Thesis Committee: Andrea Robinson (2007-2009)

## **STUDENT AWARDS**

Erica Barhorst-Cates: Honorable Mention for NSF Graduate Fellowship, Spring 2015  
Lauren Forrest and Katie Yant: SPEAK grant (\$500) to study perception and eating disorders, May 2011  
David Gerritsen: First place in CSBS Research Conference for Undergraduates, Spring 2011 and 2012  
Stefan Huynh: Chosen as CSBS Graduating Student of the Year, Spring 2012  
David Lessard: Honorable Mention for NSF Graduate Fellowship, Spring 2012  
Dillon Niederhut: Awarded NSF Graduate Fellowship (attended UC Berkeley), Spring 2011

### Chair of Undergraduate Honors Theses:

Zeljka Macura (2012-2013), Psychology honors thesis, "*The influence of virtual others on judgments of self passage.*"  
David Gerritsen (2011-2012), Psychology honors thesis, "*I'd like to introduce you to my desktop: Toward a theory of social human-computer interaction.*"  
Stefan Huynh (2011-2012), Psychology honors thesis, "*Self affirmation counters the effects of regulatory resource depletion on height perception.*"  
Lauren Forrest (2011-2012), Psychology honors thesis: "*The role of perception in eating disorders.*"  
Michael McCardell (2009-2010), Psychology honors thesis: "*Disgusting images affect distance perception in near space.*"  
Sarah Baum (2008-2009), Neuroscience honors thesis: "*The cognitive advantage of percussive auditory information.*"  
Dillon Niederhut (2008-2009), Neuroscience honors thesis: "*The effect of emotion on human motion perception.*"  
Erin Horn (2005-2006), Psychology undergraduate thesis: "*Social influences on the fear and perception of heights.*"  
John Franchak (2003-2005), Psychology undergraduate thesis: "*The effect of task difficulty on the perception of distance.*"  
Nazish Parekh (2003-2004), Psychology undergraduate thesis: "*Does fear affect perception of geographical slant?*"

## **PROFESSIONAL ACTIVITIES**

### ***National and Editorial Service***

Committee member for IEEE VR Best Dissertation Award (2021)  
Workshops Chair for IEEE VR (2020)  
Reviewer for 2020 ISMAR conference papers  
Program Committee member for conference papers for IEEE VR (2019)  
Program Committee member for Spatial Cognition (2018)  
Conference Chair for APA Division 21 Annual Meeting (2014)  
Membership Chair for APA Division 21 (2014 - present)  
National Science Foundation Graduate Research Fellowship Panelist (2014, 2017)  
Women in Cognitive Science, Faculty mentor (2017-present)  
Program Co-Chair for ACM SIGGRAPH Symposium on Applied Perception (2013)  
Program Committee member for ACM SIGGRAPH Symposium on Applied Perception (2013-present)  
National Science Foundation Grant Review Panelist and ad-hoc reviewer  
Co-Organizer, Fred Rhodewalt Social Psychology Winter Conference, 2011-present  
Judge for Psychology Session of the 87<sup>th</sup> Annual Meeting of the Virginia Academy of Sciences (May 28, 2009)  
Reviewer for 6<sup>th</sup> and 7<sup>th</sup> International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design  
Panelist for American Psychological Association on “How to Publish” at the 2011 Rocky Mountain Psychological Association annual meeting  
Discussion Leader, *Getting Involved in Research in the Social Sciences*, College of William & Mary, Forum on Undergraduate Research, Fall 2008  
Workshop Leader, *Difficult Classroom Situations*, University of Virginia Teaching Resource Center, Fall 2004 & 2005  
Reviewer for 2012 ACM SIGGRAPH conference papers  
Reviewer for 2014 Cognitive Science Society conference papers

Associate Editor:  
Psychonomic Bulletin & Review (2020-2023)

Consulting Editor/Editorial Board:  
Virtual Environments: Frontiers in Robotics and AI  
Journal of Experimental Psychology: Applied (2013-2014)  
Journal of Experimental Psychology: General  
Perspectives on Psychological Science (2014-2018)

Ad-hoc peer reviewer for the following journals (in alphabetical order):

Accident Analysis & Prevention, ACM Transactions in Applied Perception, Acta Psychologica, Anxiety, Stress, & Coping, Applied Cognitive Psychology, Attention, Perception, & Psychophysics, Cognition & Emotion, Depression & Anxiety, Emotion, European Journal of Social Psychology, Experimental Brain Research, Frontiers in Human Neuroscience, International Journal of Human-Computer Interaction, Investigative Ophthalmology & Visual Science, Journal of Behavior Therapy and Experimental Psychiatry, Journal of Environmental Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology:



General, Journal of Experimental Psychology: Human Perception & Performance, Journal of Experimental Psychology: Learning, Memory & Cognition, Journal of Experimental Social Psychology, Journal of Gerontology: Psychological Sciences, Perception, Personality and Social Psychology Bulletin, PLoS One, Presence, Psychological Research, Psychological Science, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Science Advances, Social Psychological and Personality Science, Transactions on Visualization and Computer Graphics

### ***Society Memberships***

American Psychological Association (Div. 21), Association for Computing Machinery, Association for Psychological Science, IEEE, Psychonomic Society, Society of Experimental Social Psychology, Vision Sciences Society

### ***Departmental/University Service***

Director of Undergraduate Studies, University of Utah, 2018-present  
Department Outreach Committee Chair, University of Utah, 2017-present  
Professional Issues and Ethics Committee (PIE) Faculty Co-Chair, University of Utah, 2017-2018  
Honors College Policy Board, University of Utah, 2017-present  
Departmental Honors Track Advisor, University of Utah, 2013-2018  
Member, College of Social and Behavioral Sciences Research Space Committee, 2014  
Member, Cognitive Neuroscience Search Committee and Development Neuroscience Search Committee, University of Utah, 2012-2014  
Member, Quantitative Search Committee, University of Utah, 2011-2012  
Faculty participant in Career Forum for CSBS, University of Utah, April 7, 2011  
Faculty participant in High School Visit Day, University of Utah, 2011  
Undergraduate Studies Committee, University of Utah, 2009 - present  
Faculty Advisor, Psi Chi, William & Mary, 2007-2009, University of Utah 2010-present  
Elected Member, Departmental Space Committee, William & Mary, 2008-2009  
Member, Social Search Committee, William & Mary, 2006-2008  
Executive Committee Member for the Women's Network, William & Mary, 2006-2009