

Francesca C. Fortenbaugh

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Education

- University of California, Berkeley (GPA 3.993) 2006- present
Doctoral Candidate, Psychology (Cognition, Brain, and Behavior)
- University of San Francisco (GPA 3.914) 1999-2004
B.S. Mathematics and Psychology (summa cum laude)

Awards & Fellowships

- NSF Graduate Research Fellowship 2007-2010
Awarded in the cognitive neuroscience division
- Recipient of the Dean's Medal for Excellence in the Sciences 2004
- Recipient of the Father Flynn Award 2004
Annual award for the highest cumulative GPA
- Who's Who Among Students in American Universities and Colleges Award 2004
- Recipient of the Ruth Aubrey Prize 2004
Annual award for the Honors Program in the Humanities
- Recipient of the Batey Prize 2004
Annual award for the Mathematics Department
- Recipient of the Father Minnigerode Award 2004
Annual award for the Psychology Department
- Nominated for Valedictorian of the School of Arts and Sciences 2004
- Davies Scholar 2003
- Alpha Sigma Nu – Jesuit Honors Society 2002-2004
- Psi Chi – Psychology Honors Society 2001-2004
President of USF chapter 2003-2004
Treasurer of USF chapter 2001-2003
- National Honors Society 1999
Greenwich High School, Greenwich, CT

Relevant Experience & Accomplishments

Leadership & Organization

- Co-Founder and coordinator of Cogito 2001-2004
Student-run think tank looking at current social and political issues.
- Member of USF Putnam Team 2003
Participated in the Putnam National Undergraduate Mathematics Competition.
- Certified Advanced Tutor 2003
Certification awarded by the College Reading and Learning Association
- Student Coordinator of the Bay Area Math Meet 2002-2003

Research & Internship Experience

- Intern at Youth Guidance Center (YGC) 1/2004 – 6/2004
Interned for a San Francisco probation officer at the YGC working with juvenile sexual offenders. Member of, CCOSO (California Coalition on Sexual Offending).
- Senior Honors Thesis in Psychology (USF) Fall 2003
Thesis Advisors: Dr. Susan Heidenreich/Dr. Kay Livesay
Looked at stimulus properties that exhibit a Mere Exposure Effect.

Teaching Experience & Relevant Employment History

- Spring 2007 Graduate Student Instructor UC Berkeley
Research Design and Statistical Analysis for Psychology
- Fall 2006 Graduate Student Instructor UC Berkeley
Cognitive Psychology
- 7/2004-6/2006 Assistant Research Program Coordinator Johns Hopkins Univ.
Worked for Dr. Kathleen Turano at Lions Vision Center, Wilmer Eye Institute.
- Spring 2004 Tutor at the Learning and Writing Center USF
- Spring 2004 T.A. Calculus II USF
- 2003-2004 T.A. Psychological Research Methods USF
- Fall 2003 Private Tutor in mathematics San Francisco, CA
High-school level algebra and geometry
- Fall 2001-Fall 2003 Supplemental Instructor for Astronomy USF
- Spring 2003 Tutor at the Learning and Writing Center USF
- Fall 2002 T.A. Calculus III USF
- Spring 2001 T.A. Brain and Behavior USF

Publications

- 1 Palmer, S.E., Schloss, K.B., & **Fortenbaugh, F.C.** (in preparation). The Configural Shape Illusion.
- 2 **Fortenbaugh, F. C.**, Sanghvi, S., Silver, M. A., & Robertson, L. C. (in preparation). Exploring the edge of visual space: The influence of visual boundaries on spatial localization.
- 3 List, A., Landau, A. N., Brooks, J. L., Flevaris, A., **Fortenbaugh, F. C.**, Esterman, M., VanVleet, T. M., Albrecht, A. R., Alvarez, B., Robertson, L. C., & Schendel, K. (submitted). Shifting attention in viewer and object-centered reference frames after unilateral brain injury. *Neuropsychologia*.
- 4 **Fortenbaugh, F. C.**, Prinzmetal, W., & Robertson, L. C. (in press). Rapid changes in visual-spatial attention distort perceived object shape. *Psychonomic Bulletin & Review*.
- 5 **Fortenbaugh, F. C.**, & Robertson, L. C. (in press). When here becomes there: Attentional modulation of foveal bias in peripheral localization. *Attention, Perception and Psychophysics*.
- 6 Kosovicheva, A. A., **Fortenbaugh, F. C.**, & Robertson, L. C. (2010). Where does attention go when it moves? Spatial properties and locus of the attentional repulsion effect. *Journal of Vision, 10(12):33, 1-13*.
- 7 **Fortenbaugh, F. C.**, Hicks, J. C., Hao, L., & Turano, K. A. (2008). The affect of peripheral field loss on representations of Space: Evidence for distortion and adaptation. *Investigative Ophthalmology and Visual Science, 49(6), 2765-2772*.
- 8 **Fortenbaugh, F. C.**, Hicks, J. C., Hao, L., & Turano, K. A. (2007). Losing sight of the bigger picture: Peripheral field loss compresses representations of space. *Vision Research, 47(19), 2506-2520*.
- 9 **Fortenbaugh, F. C.**, Hicks, J. C., Hao, L., & Turano, K. A. (2007). A new technique for simulating peripheral field losses to study human navigation. *Behavior Research Methods, 39(3), 552-560*.
- 10 **Fortenbaugh, F. C.**, Chaudhury, S., Hicks, J. C., Hao, L., & Turano, K. A. (2007). Gender differences in cue preference during path integration in virtual environments. *ACM: Transactions in Applied Perception, 4(1), 6*.
<http://doi.acm.org/10.1145/1227134.1227140>
- 11 **Fortenbaugh, F. C.**, Hicks, J. C., Hao, L., & Turano, K. A. (2006). High-speed navigators: Using more than what meets the eye. *Journal of Vision, 6(5), 565-579*.

Conference Presentations (* denotes talks)

1. Palmer, S.E., Schloss, K.B., & **Fortenbaugh, F.C.** (November 2010). CSI Berkeley, Episode II: The case for edge assimilation. Presented at the Annual Configural Processing Consortium. St. Louis, MO.
2. * **Fortenbaugh, F.C.**, Prinzmetal, W., & Robertson, L.C. (July 2010). "Cue position can distort object space". Presented at the 16th Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning. Hood River, OR.
3. **Fortenbaugh, F.C.**, & Robertson, L.C. (May 2010). "Cue position alters perceived object space". Presented at the 10th Annual Meeting of the Vision Science Society, Naples, FL.
4. Kosovicheva, A.A., **Fortenbaugh, F.C.**, & Robertson, L.C. (May 2010). "Spatial properties of the Attentional Repulsion Effect". Presented at the 10th Annual Meeting of the Vision Science Society, Naples, FL.
5. Schloss, K.B., **Fortenbaugh, F.C.**, Strauss, E.D., & Palmer, S.E. (May 2010). "CSI Berkeley Episode II: Perceptual organization and selective attention". Presented at the 10th Annual Meeting of the Vision Science Society, Naples, FL.
6. Enzminger, A., **Fortenbaugh, F.C.**, & Robertson, L.C. (May 2010). "Varying the distribution of attention can alter perceived location". Presented at the Annual California Cognitive Science Conference, Berkeley, CA.
7. Parker, K.S., **Fortenbaugh, F.C.**, Tyson, N., & Robertson, L.C. (April 2010). "Left brain/Right brain: Do both side of the brain contribute equally when searching for visual targets?". Presented at Veterans Administration Research Day, Martinez, CA.
8. * **Fortenbaugh, F.C.**, Prinzmetal, W., & Robertson, L.C. (April 2010). "Rapid cue onsets can distortion object space". Presented at the Annual Berkeley-Stanford Talks, Berkeley, CA.
9. List, A., Landau, A.N., Brooks, J.L., Flevaris, A., **Fortenbaugh, F.C.**, Esterman, M., VanVleet, T.M., Albrecht, A.R., Alvarez, B., Robertson, L.C., & Schendel, K. (July 2009). "Object-based attention in patients with unilateral lesions". Presented at the 15th Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River OR.
10. Palmer, S.E., Schloss, K.B., & **Fortenbaugh, F.C.** (May 2009). "A Configural Shape Illusion". Presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL.
11. List, A., Landau, A.N., Brooks, J.L., Flevaris, A.V., **Fortenbaugh, F.C.**, Esterman, M., VanVleet, T.M., Albrecht, A.R., Alvarez, B., Robertson, L.C. & Schendel, K. (May 2009). Object-based attention in patients with left and right hemisphere lesions. Presented at the 9th Annual Meeting of the Vision Sciences Society, Naples, FL.
12. List, A., Landau, A.N., Brooks, J.L., Flevaris, A.V., **Fortenbaugh, F.C.**, Esterman, M., VanVleet, T.M., Albrecht, A.R., Alvarez, B., Robertson, L.C. & Schendel, K. (April 2009). Object-based attention in patients with left and right hemisphere

lesions. Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

13. Palmer, S.E., Schloss, K.B., & **Fortenbaugh, F.C.** (November 2008). "A Configural Shape Illusion". Presented at the Configural Processing Consortium, University of Notre Dame, South Bend, IN.
14. **Fortenbaugh, F.C.** & Robertson, L.C. (May 2008). "Visual Boundaries and Perceived Eccentricity: Evidence that Boundary Reduction Changes the Scale of Space". Presented at the Annual Meeting of the Vision Science Society, Naples FL.
15. **Fortenbaugh, F.C.** & Robertson, L.C. (April 2008). "Attentional Modulation of Perceived Eccentricity". Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
16. * **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (August 2007). "The Peripheral Visual Field and Spatial Representations: What You Have Now Effects What You Remember". Presented at the 4th Annual Bay Area Memory Meeting, Berkeley, CA.
17. Turano, K.A., Fortenbaugh, F.C., Hicks, J.C., & Hao, L. (2007). "Peripheral Visual Field Loss Compresses Space in Visual Memory". Presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
18. **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (May 2006). "Peripheral Field Loss and the Perception of Visual Space: Evidence of Compression and Adaptation". Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
19. * **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (February 2006). "Losing Sight of the Bigger Picture: Peripheral Field Loss and the Compression of Visual Space". Presented at the Wilmer Research Meeting, Baltimore, Maryland.
20. * **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (May 2005). "An Internal GPS: The Role of Spatial Representations in Human Navigational Ability". Presented at the 9th International Conference for Cognitive and Neural Systems, Boston, Massachusetts.
21. * **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (April 2005). "Cognitive maps and navigational ability: Behavioral evidence for a connection". Presented at the Wilmer Research Meeting, Baltimore, Maryland.
22. Turano, K.A., **Fortenbaugh, F.C.**, Hicks, J.C., & Hao, L. (2005). "Visual Span for Navigation: Fast vs. Slow Walkers". Presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.

Invited Talks

1. **Fortenbaugh, F.C.**, Prinzmetal, W., & Robertson, L.C. (October 2010). “Shifts of attention can distort object shapes”. *Cognition, Brain, and Behavior Colloquium, University of California, Berkeley*. Berkeley, CA.
2. **Fortenbaugh, F.C.**, Hicks, J.C., Hao, L., & Turano, K.A. (October 2007). “The affect of field of view size on spatial representations”. *Neuroscience Speaker Series, University of San Francisco*. San Francisco, CA.

Refereed Journals

- Journal of Vision Impairment & Blindness
- Behavior Research Methods
- Journal of Vision
- Memory & Cognition

Students Supervised

1. Anna Kosovicheva (B.A. in Psychology, 2009, graduated with honors). Research assistant, Spring 2008. Co-mentored her honors thesis project with Dr. Lynn Robertson.
2. Shradha Sanghvi (O.D. 2010, graduated with honors). Co-mentored her during NEI Summer Research Program in 2008 and during completion of her honors thesis project with Dr. Michael Silver.
3. Betty Wang (O.D. expected 2012). Co-mentored her during NEI Summer Research Program in 2009 with Dr. Michael Silver and am currently co-mentoring her honors thesis project with Dr. Michael Silver and Dr. Ian Bailey.
4. Anna Enzminger: Research assistant, Fall 2009- Spring 2010.
5. Hilary Lapping: Research assistant, Fall 2009.
6. Natalie Tyson: Research assistant, Spring 2010-present.
7. Alyssa Beck: Research assistant, Fall 2010-present.
8. Laura Meier: Research assistant, Fall 2010-present