

Beverly Roskos
(pronounced **Ross-kuss**)
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Education

B.S.	1983	Iowa State University, Ames, IA, <i>Psychology</i> .
Ph.D.	1989	Indiana University, Bloomington, IN, <i>Cognitive Psychology with minors in Quantitative Methods and Women's Studies (Social Sciences)</i> .
Post-doc	1989-91	Vanderbilt University, Nashville, TN, <i>Cognitive Sciences</i> .

Employment History

Associate Professor. Cognitive Psychology Concentration, Department of Psychology, University of Alabama, 1998-present.

Director of *Learning in Action* (Quality Enhancement Plan). Office of Academic Affairs, University of Alabama, July 2014-December 2015.

Director of Assessment. College of Arts & Sciences, University of Alabama, 2010-2013.

Associate Dean for the Social Sciences. College of Arts & Sciences, University of Alabama, 2007-2010.

Faculty Associate. Alabama Research Institute on Aging, University of Alabama, 2005-present.

Interim Chair, Department of Psychology, University of Alabama, Aug 2003 – Dec 2004.

Research Fellow. Center for Creative Media, College of Communication & Information Sciences, University of Alabama, 2002-2005.

Director of Experimental/Cognitive Psychology Graduate Studies. Department of Psychology, University of Alabama, 2000-2003.

Assistant Professor. Cognitive Psychology Concentration, Department of Psychology, University of Alabama, 1991-1998.

Honors and Awards

- *Outstanding Faculty Award* (Experimental Psychology), 1995-1996, PY Grad. Student Assoc.
- *Excellence in Academic Advising* (nominated), Spring 2015, Spring 2019, University of Alabama
- *Certificate of Recognition*, “With Deep Gratitude for [my] Contribution to the Development and Pilot Implementation of The University of Alabama’s *Learning in Action* Quality Enhancement Plan,” August 26, 2016, Office of Academic Affairs.
- As the Psychology BA/BS program assessment coordinator, the program won the *2018 Provost’s Assessment Award* (with Dr. Kristina McDonald, Director of Undergraduate Studies).

Professional Service Activities

Editorial Board

Consulting Editor, *Journal of Creative Behavior*, 2004-present

Consulting Editor, *Journal of Communication*, 2007-2012

Consulting Editor, *Journal of Mental Imagery*, 2010-present

Ad hoc reviewer: journals

<i>Amer J on Intellectual and Developmental Disabilities</i>	<i>Journal of Experimental Psychology: General</i>
<i>American Psychologist</i>	<i>Journal of Experimental Psychology: HPP</i>
<i>Applied Cognitive Psychology</i>	<i>Journal of Experimental Psychology: LMC</i>
<i>Behavior Research Methods, Instruments, & Computers</i>	<i>Journal of Mental Imagery</i>
<i>Behavior Therapy</i>	<i>Journal of Research in Personality</i>
<i>Cognitive Psychology</i>	<i>Media Psychology</i>
<i>Computers and Education</i>	<i>Memory & Cognition</i>
<i>Consciousness and Cognition</i>	<i>PeerJ</i>
<i>Discourse Processes</i>	<i>Perception</i>
<i>European Journal of Cognitive Psychology</i>	<i>Personality and Individual Differences</i>
<i>Frontiers</i>	<i>PLOS One</i>
<i>International Journal of Psychology</i>	<i>Pragmatics & Cognition</i>
<i>Journal of Clinical Psychology</i>	<i>PSYCH</i>
<i>Journal of Communication</i>	<i>Psychological Science</i>
<i>Journal of Creative Behavior</i>	<i>Psychonomic Bulletin & Review</i>
<i>Journal of Environmental Psychology</i>	<i>Quarterly Journal of Experimental Psychology: A</i>
<i>Journal of Experimental Psychology: Applied</i>	<i>Spatial Cognition and Computation</i>

Grant Reviews

National Science Foundation (NSF), 1998 (1 grant)

NSF Grant Review Panel, 2018 (25 grants), 2019 (27 grants), 2020 (23 grants)

Ad hoc reviewer: textbooks

Cognition, 5th ed. Brooks/Cole. (Stephen K. Reed)

Basic Statistics for the Behavioral Sciences, 2nd ed. Houghton/Mifflin. (Gary W. Heiman)

Sensation and Perception, 6th ed. Brooks/Cole. (E. Bruce Goldstein)

A Cognitive Psychology of Mass Communication, 4th ed., Lawrence Erlbaum. (Richard Jackson Harris)

Conference Organizer

1. International Conference on “Imagery, Creativity, and Discovery,” May 24-26, 1991, Vanderbilt University, Nashville, TN. With M. Intons-Peterson, R. Blake, & K. Clayton.
2. Southeastern Undergraduate Psychology Research Conference, March 15, 2002, University of Alabama, Tuscaloosa, AL.

Affiliations

American Psychological Association (Divisions 2, 3, 20, 34); Association for Psychological Science; Psychonomic Society (Fellow); Sigma Xi; Women in Cognitive Science.

Research Activities

Research Interests: Visual-Spatial Cognition

Visual-spatial cognition: the comprehension, mental representation, and use of visual and spatial information; includes individual and group differences in comprehension of visual media, wayfinding, representations of spatial information, spatial ability, spatial strategies, visual creativity, and visual mental imagery.

Research Interests: Other

Assessment of student learning; women in science, technology, engineering, and math (STEM).

Publications (√ = empirical, peer-reviewed)

*current or former graduate student

**current or former undergraduate student

1989

1. Intons-Peterson, M. J., & **Roskos-Ewoldsen, B.** (1989). Mitigating the effects of violent pornography. In S. Gubar & J. Hoff (Eds.), *For adult users only: The dilemma of violent pornography* (pp. 218-239). Bloomington, IN: Indiana University Press. [Book chapter]
2. √ Intons-Peterson, M. J., & **Roskos-Ewoldsen, B.** (1989). Sensory-perceptual qualities of images. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *15*, 188-199. [Empirical. Peer reviewed journal. 2001 Journal Impact Factor: 2.745]
3. √ Intons-Peterson, M. J., **Roskos-Ewoldsen, B.**, **Thomas, L., **Shirley, M., & **Blut, D. (1989). Will educational materials reduce negative effects of exposure to sexual violence? *Journal of Social and Clinical Psychology*, *8*, 256-275. [Empirical. Peer reviewed journal. 2001 Impact Factor: 1.000]

1992

4. *Expert Science Teaching Education Evaluation Model (ESTEEM): Concept Mapping Rubric.* (1992). Authored by (in alphabetical order): L. E. Bolen, J. A. Burry, A. I. Nejad, R. L. Oxford, *K. Pittman, & **B. Roskos-Ewoldsen.** [Manual]

1993

5. **Roskos-Ewoldsen, B.** (1993). Discovering emergent properties of images. In B. Roskos-Ewoldsen, M. J. Intons-Peterson, & R. E. Anderson (Eds.), *Imagery, creativity, and discovery: A cognitive perspective* (pp. 187-221). Amsterdam: North Holland/Elsevier. [Book chapter]
6. **Roskos-Ewoldsen, B.**, Intons-Peterson, M. J., & Anderson, R. E. (Eds.). (1993). *Imagery, creativity, and discovery: A cognitive perspective.* Amsterdam: North Holland/Elsevier. [Edited book]

7. **Roskos-Ewoldsen, B.**, Intons-Peterson, M. J., & Anderson, R. E. (1993). Imagery, creativity, and discovery: Conclusions and implications. In B. Roskos-Ewoldsen, M. J. Intons-Peterson, & R. E. Anderson (Eds.), *Imagery, creativity, and discovery: A cognitive perspective* (pp. 313-328). Amsterdam: North Holland/Elsevier. [Book chapter]

1997

8. √ *Bichsel, J., & **Roskos-Ewoldsen, B.** (1997). The effects of practice on the recognition of emergent properties in visual imagery. *Journal of Mental Imagery*, *21(1-2)*, 105-126. [Empirical. Peer reviewed journal. Not in index]

1998

9. Conners, F. A., *Mccown, S. M., & **Roskos-Ewoldsen, B.** (1998). Unique challenges in teaching undergraduate statistics. *Teaching of Psychology*, *25*, 40-42. [Review paper. Peer reviewed journal. 1998 Impact Factor: 0.254]
10. √ **Roskos-Ewoldsen, B.** (1998). Recognizing emergent properties of images and percepts: The role of perceptual organization in imaginal and perceptual discovery. *Journal of Mental Imagery*, *22(3-4)*, 145-174. [Empirical. Peer reviewed journal. Not in index]
11. √ **Roskos-Ewoldsen, B.**, *Burton, P., *Bichsel, J., *Willis, S., & Spruill, J. (1998). Coordinating the psychology human research participant pool. *Teaching of Psychology*, *25*, 14-18. [Empirical. Peer reviewed journal. 1998 Impact Factor: 0.254]
12. √ **Roskos-Ewoldsen, B.**, McNamara, T. P., *Shelton, A. L., & *Carr, W. S. (1998). Mental representations of large and small spatial layouts are viewpoint dependent. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *24*, 215-226. [Empirical. Peer reviewed journal. 1998 Impact Factor: 2.838]

1999

13. √ *Bichsel, J., & **Roskos-Ewoldsen, B.** (1999). Imaginal discovery, working memory, and intelligence. *Journal of Mental Imagery*, *23(1-2)*, 17-34. [Empirical. Peer reviewed journal. Not in index]
14. √ *Carr, W., & **Roskos-Ewoldsen, B.** (1999). Spatial orientation by mental transformation. *Psychological Research-Psychologische Forshung*, *62*, 36-47. [Empirical. Peer reviewed journal. 1999 Impact Factor: 0.915]

2000

15. **Byrd, J., & **Roskos-Ewoldsen, B.** (2000). The role of self-esteem, skin color, and stereotype threat on perceptions of job success among African-American women. *The University of Alabama McNair Journal*, *1*, 43-57. [Empirical. Non-refereed local journal. Not in index]
16. **Roskos-Ewoldsen, B.**, Chattin, D., Smith, K. & Heiman, G. W. (2000). *Instructor's resource manual and test bank*. Accompanies G. W. Heiman's *Basic statistics for the behavioral sciences*, 3rd ed. Boston: Houghton Mifflin. [Manual]

17. ✓ *Prestopnik, J. L., & **Roskos-Ewoldsen, B.** (2000). The relations among wayfinding strategy use, sense of direction, sex, and wayfinding ability. *Journal of Environmental Psychology, 20*, 177-191. [Empirical. Peer reviewed journal. 2000 Impact Factor: 0.689]

2001

18. ✓ Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2001). Using video clips to teach social psychology. *Teaching of Psychology, 28*, 212-215. [Empirical. Peer reviewed journal. 2001 Impact Factor: 0.461]

2002

19. **Roskos-Ewoldsen, B.**, *Carr, W., & *Prestopnik, J. L. (2002). *Assessment of spatial thinking ability for submarine personnel*. Arlington, VA: Office of Naval Research. [Technical Report]
20. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2002). Media priming: A synthesis. In J. B. Bryant & D. Zillmann (Eds.), *Media effects in theory and research (2nd ed)* (pp. 97-129). Mahwah, NJ: Lawrence Erlbaum. [Book chapter]

2003

21. ✓ *Rosenquist, C., Conners, F.A., & **Roskos-Ewoldsen, B.** (2003). Phonological and visuo-spatial working memory in individuals with intellectual disability. *American Journal on Mental Retardation, 108*, 403-413. [Empirical. Peer reviewed journal. 2003 Impact Factor: 1.707]
22. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., & Ward, T. B. (2003). Converging on a richer understanding of imagery: A commentary on Ahsen's "Image and maze" and Quill's "Critical assessment." *Journal of Mental Imagery, 27*, 234-238. [Invited commentary. Peer review journal. Not in index]

2004

23. *Yang, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2004). Mental models for brand placement. In L. J. Shrum (Ed.), *The psychology of entertainment media: Blurring the lines between entertainment and persuasion* (pp. 79-98). Mahwah, NJ: Lawrence Erlbaum. [Book chapter]
24. **Roskos-Ewoldsen, B.**, *Davies, J., & Roskos-Ewoldsen, D. R. (2004). Implications of the mental models approach for cultivation theory. *Communications: European Journal of Communication Research, 29*, 345-363. [Review paper. Peer reviewed journal. 2004 Impact Factor: 0.500]
25. ✓ *Rilea, S. L., & **Roskos-Ewoldsen, B.**, & Boles, D. B. (2004). Sex differences in spatial ability: A lateralization of function approach. *Brain and Cognition, 56*, 332-343. [Empirical. Peer reviewed journal. 2004 Impact Factor: 1.148]

2005

26. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2005). Applying social psychology to the media. In F. W. Schneider, J. A. Gruman, & L. M. Coutts (Eds.), *Applied social psychology: Understanding and addressing social and practical problems* (pp. 151-178). Thousand Oaks, CA: Sage Publications. [Book chapter]
27. √ *Sligh, A. C., Conners, F. A., & **Roskos-Ewoldsen, B.** (2005). Relation of creativity to fluid and crystallized intelligence. *Journal of Creative Behavior*, 39, 123-136. [Empirical. Peer reviewed journal. 2005 Impact Factor: 0.444]

2006

28. √ **Roskos-Ewoldsen, B.**, Conners, F. A., *Atwell, J. A., & *Prestopnik, J. L. (2006). Visual imagery scanning in young adults with intellectual disability. *American Journal on Mental Retardation*, 111, 35-47. [Empirical. Peer reviewed journal. 2006 Impact Factor: 1.598]
29. **Roskos-Ewoldsen, B.** (2006). Converging on a Richer Understanding of Human Behavior and Experience through a Blending of Cognitive and Clinical Psychology. *Journal of Clinical Psychology*, 62, 367-371. [Invited commentary. Peer reviewed journal. 2006 Impact Factor: 1.048]

2007

30. Roskos-Ewoldsen, D. R., Klinger, M. R., & **Roskos-Ewoldsen, B.** (2007). Media priming: A meta-analysis. In R. W. Preiss, B. M. Gayle, N. Burrell, M. Allen, & J. Bryant (Eds), *Mass media effects research: Advances through meta-analysis* (pp. 53-80). Mahwah, NJ: Lawrence Erlbaum. [Book chapter]
31. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., *Yang, M., & *Lee, M. (2007). Comprehension of the media. In D. R. Roskos-Ewoldsen and J. L. Monahan, *Communication and social cognition: Theory and methods* (pp. 319-348). Mahwah, NJ: Lawrence Erlbaum. [Book chapter]

2008

32. √ Dillman Carpentier, F. R., Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2008). A test of the network models of political priming. *Media Psychology*, 11(2), 186-206.
33. √ **Roskos-Ewoldsen, B.**, Black, S. R., & *Mccown, S. M. (2008). Age-related changes in creative thinking. *Journal of Creative Behavior*, 42, 33-59. [Empirical. Peer reviewed journal. 2006 Impact Factor: 0.464]
34. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2008). Scaling and cluster analysis. In A. F. Hayes, M. D. Slater, & L. B. Snyder (Eds.), *The Sage sourcebook of advanced data analysis methods for communication research* (pp. 275-310). Thousand Oaks, CA: Sage. [Refereed Book chapter: chapter was selected to be published; not all were selected]

35. ✓ *Lee, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2008). Applying the landscape model of comprehension to discourse from TV news stories. *Discourse Processes*, 45, 519-544. [Empirical. Peer reviewed journal. 2008 Impact Factor: 1.262]

2009

36. Roskos-Ewoldsen, D. R., **Roskos-Ewoldsen, B.**, & *Dillman Carpentier, F. R. (2009). Media priming: An updated synthesis. In J. Bryant and M. B. Oliver (Eds.), *Media effects: Advances in theory and research*, 3rd edition (pp. 74-93). New York: Routledge/Taylor & Francis. [Book chapter]
37. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2009). Current research in media priming. In R. L. Nabi & M. B. Oliver (Eds), *The SAGE handbook of media processes and effects* (pp. 177-192). Thousand Oaks, CA: Sage. [Book chapter]

2010

38. **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2010). Message processing. In C. R. Berger, M. E. Roloff, & D. R. Roskos-Ewoldsen (Eds.), *The handbook of communication science*, 2nd edition (pp. 129-144). Thousand Oaks, CA: Sage. [Book chapter]

2012

39. Ewoldsen, D. R., & **Roskos, B.** (2012). Applying social psychology to the media. In F. W. Schneider, J. A. Gruman, & L. M. Coutts (Eds.), *Applied social psychology: Understanding and addressing social and practical problems*, 2nd edition (pp. 135-163). Thousand Oaks, CA: Sage Publications. [Book chapter]

2013

40. ✓ Merrill, E. C., Conners, F. A., **Roskos, B.**, Klinger, M. R., & Klinger, L. G. (2013). Contextual cueing effects across the lifespan. *Journal of Genetic Psychology: Research and Theory on Human Development*, 174, 387-402. [Empirical. Peer reviewed journal. 2012 5-year Impact Factor: 1.333]
41. ✓ Sickler, S., & **Roskos, B.** (2013). Factors that play a role in first-year students' on-campus housing decisions, *Journal of College and University Student Housing*, 39(2), 10-30. [Empirical. Peer reviewed journal]
42. ✓ *Lee, M., **Roskos, B.**, & Ewoldsen, D. R. (2013). The impact of subtitles on comprehension of narrative film. *Media Psychology*, 16(4), 412-440. [Empirical. Peer reviewed journal. 2012 5-YR IF = 1.856]

2014

43. ✓ *Davis, M. Merrill, E., Conners, F., & **Roskos, B.** (2014). Patterns of differences in route-learning performance and correlations among abilities between persons with and without Down syndrome and typically developing children. *Frontiers in Psychology: Developmental Psychology*, 5 (Article 01446), 1-12. [Empirical. Peer reviewed journal. 2014 5-YR IF = 3.039]

2015

44. √ *Fu, E., Bravo, M., & **Roskos, B.** (2015). Single-destination navigation in a multiple-destination environment: A new “later-destination attractor” bias. *Memory & Cognition*, 43(7), 1043-1055. [Empirical. Peer reviewed journal. 2014 5-YR IF = 2.557]
45. **Roskos, B.**, & Pleasants, H. (2015). *Learning in action: Developing real-world problem solvers through high quality experiential learning*. Quality Enhancement Plan (QEP) submitted to the Southern Association of Colleges and Schools Commission on Colleges (SACS-COC). Accepted without recommendations. [Unpublished Quality Enhancement Plan]

2016

46. √ Merrill, E. C., *Yang, Y., **Roskos, B.**, & *Steele, S. (2016). Sex differences in using spatial and verbal abilities influence route learning performance in a virtual environment: A comparison of 6- to 12-year old boys and girls. *Frontiers in Psychology: Developmental Psychology*, 7(Article 258), 1-17. [Empirical. Peer-reviewed journal. 2014 5-YR IF = 3.039]
47. **Roskos, B.** (2016). Visual information-processing. *The international encyclopedia of communication theory and philosophy*, 1-12. Hoboken, NJ: Wiley. [Encyclopedia Entry]
48. √ *Kim, K., **Roskos, B.**, Ewoldsen, D. R. (2016). Using the Landscape Model of comprehension to understand framing effects in political advertisements. *Korean Journal of Communication Studies*, 24(4), 5-26. [Empirical. Peer-reviewed journal.]

2017

49. Ewoldsen, David. R., & **Roskos, B.** (2017). Applying social psychology to the media. In J.A. Gruman, F. W. Schneider, & L. M. Coutts (Eds.), *Applied social psychology: Understanding and addressing social and practical problems, 3rd Edition* (p. 155-188). Thousand Oaks, CA: Sage Publications. [Book chapter]

2020

50. √ *Costlow, K., Parmelee, P., Choi, S., & **Roskos, B.** (2020). When less is more: Downsizing, sense of place, and well-being in late life. *Journal of Environmental Psychology*, 71, 101478. doi: 10.1016/j.envp.2020.101478 [Empirical. Peer-reviewed journal.]
51. √ *Himmelberger, Z., Merrill, E. C., Conners, F. A., **Roskos, B.**, *Yang, Y., & *Robinson, T. (2020). The acquisition of survey knowledge by individuals with Down syndrome. *Frontiers in Human Neuroscience*, 14, Article 256. doi: 10.3389/fnhum.2020.00256 [Empirical. Peer-reviewed journal.]

Manuscripts Submitted or In Preparation

√ Denham, A., Roskos, B., & *Yu, J. (revise and resubmit). Improving spatial training through the analysis of digital game play. [Empirical. Peer-reviewed journal.]

√ *Robinson, T., *Burchardt, D., & Roskos, B. (in preparation). Can you see me now? Impacts of visibility and pre-existing litter on littering behavior. [Empirical]

√ *Robinson, T., *Burchardt, D., & Roskos, B. (in preparation). Environmental interventions for the prevention of marine litter. [Empirical]

√ Roskos, B., Sickler, S., & Xia, M. (in preparation). Predicting comfort after a liminal transition: Housing qualities, territoriality, and place identity. [Empirical]

Grant Support

Federal/Foundation Contracts & Grants

- 1999-2001 PI: *Assessment of Spatial Thinking Ability for Submarine Personnel*. Subcontract award granted by Office of Naval Research, N66604-99C-1285. \$93,146 (total costs). 2 years.
- 2004-2009 Co-I: *Decision Making and Substance Abuse among Inner-City Youth*. Award granted by National Institute for Drug Abuse, R01 DA018920-01. PI: John Bolland, Institute for Social Science Research, University of Alabama. \$2,610,817 (total costs). 5 years.
- 2007-2010 Co-I: *Choosing Careers in Science and Math: An Integrated Approach*. Award granted by National Science Foundation, HRD-0734074. PI: Joan Barth, Institute for Social Science Research, University of Alabama, \$449,993 (total costs). 3 years.
- 2009-2011 Co-PI: *Wayfinding Skills of Persons with Down Syndrome*. Award granted by Eunice Kennedy Shriver National Institute of Child Health & Human Development, 1 R03 HD057292-01A1. PI: Edward C. Merrill, Department of Psychology, University of Alabama. \$138,014 (total costs). 2 years.
- 2014-2017 Co-PI: *Acquiring Route and Survey Knowledge in Down Syndrome*. Award granted by National Institute of Child Health & Human Development, 1R15HD078936-01A1. PI: Edward C. Merrill, Department of Psychology, University of Alabama. \$411,596 (total costs). 3 years.
- 2020-2023 Co-PI: *Assessing the Malleability of Spatial Abilities in Individuals with Down Syndrome*. Award granted by Eunice Kennedy Shriver National Institute of Child Health & Human Development, 1R15HD100851-01. PI: Edward C. Merrill, Department of Psychology, University of Alabama. \$345,000 (direct costs). 3 years.

Internal Contracts & Grants

- 1991 Co-PI. *International Conference on Imagery, Creativity, and Discovery*. Margaret J. Intons-Peterson (PI, Indiana University), Randolph Blake (PI, Vanderbilt University), and Keith Clayton (Co-I, Vanderbilt). Awards granted by VU Graduate School (\$1200); VU College of Arts & Science (\$1200); and IU Graduate School (\$1000).
- 1992 PI. *Mental Imagery and Discovery*. Award granted by the Research Grants Committee, University of Alabama, \$5970. 1 year.
- 1993 PI. *Courses in Cognitive Psychology and Perception*. Award granted by the College of Arts and Sciences Teaching Grants Committee, University of Alabama, \$2000. 1 year.
- 1998 PI. *Web Development for Courses in Statistics, Physiological Psychology, and Sensation and Perception*. Technology Workshop Grant awarded by the Office for Faculty Development, University of Alabama, \$2000. 1 year.
- 2005 PI: *Wayfinding in Older Adults with Mild Cognitive Impairment*. Seed grant awarded by the Center for Mental Health and Aging, University of Alabama. Co-Investigators: S. R. Black, E. C. Merrill, & F. Scogin. \$5000. 1 year.
- 2005 PI. *Enhancing Students' Learning of Statistics through Technology*. Award granted by the Teaching Grants Committee, College of Arts and Sciences, University of Alabama. Co-Investigators: J. Spruill, & R. S. Allen. \$2000. 1 year.
- 2008 Co-PI. *Creative Collaboration in 3D multi-user Virtual Environments*. Award granted by the Alabama Council for Entrepreneurship Grants, University of Alabama. PI: Thomas B. Ward. \$4997. 1 year.

Federal/Foundation Grant Proposals in Preparation

PI. *Human Navigation Patterns During Natural Disasters*. NSF

Co-PI. *Enhancing Spatial Skills through Educational Technology*. DOE. PI. André Dunham, College of Education. Pilot data being collected.

Presentations

*current or former graduate student

**current or former undergraduate student

Invited Addresses & Colloquia

1. **Roskos-Ewoldsen, B.** (1991, May). *Recognizing emergent properties of images*. Invited paper presented at the Vanderbilt Conference on Imagery, creativity, and discovery, Nashville, TN.
2. **Roskos-Ewoldsen, B.** (1994, March). *Cognitive bases of creativity*. Invited address to the Cognitive Science Program, University of Memphis, Memphis, TN.
3. **Roskos-Ewoldsen, B.** (2004, April). *Visual-spatial cognition*. Invited colloquia for the

Department of Psychology, University of Minnesota Duluth, Duluth, MN.

4. **Roskos-Ewoldsen, B.** (2007, February). *The visual-spatial world*. Invited colloquia for the Department of Psychology, Illinois State University, Bloomington, IL.
5. **Roskos-Ewoldsen, B.** (2007, March). *The visual-spatial world*. Invited colloquia for the Department of Psychology, Missouri State University, Springfield, MO.
6. **Roskos-Ewoldsen, B.** (2007, April). *Wayfinding in older adults with mild cognitive impairment*. Invited colloquium for the Scientific Seminar Series of the Center for Mental Health and Aging. The University of Alabama, Tuscaloosa, AL.

Conference Moderator

Roskos-Ewoldsen, B. (2003, November). *Sentence and Text Comprehension*. Session presented at the annual meeting of the Psychonomic Society, Vancouver, BC, Canada.

Roskos, B. (2017, November). Session presented at the annual meeting of the Psychonomic Society, Vancouver, BC, Canada.

Conference Symposia

Shelton, A. L. & **Roskos, B.** (Co-chairs). (2011, May). *Where are we now? Understanding Spatial Skills, Strategies, and Navigation*. Symposium presented at the annual meeting of the Association for Psychological Science. Panel included Amy Shelton (Johns Hopkins), Beverly Roskos (Alabama), Nora Newcomb (Temple), Laura Carlson (Notre Dame), and Francesca Pazzaglia (Padova, Italy). Washington, DC.

Conference Presentations

*graduate student or former graduate student at time of presentation

**undergraduate student at time of presentation

1. **Roskos-Ewoldsen, B.**, & Intons-Peterson, M. J. (1986, May). *Imagery and encoding specificity*. Paper presented at the annual meeting, Indiana University-Purdue University Cognitive Psychology Conference, Bloomington, IN.
2. **Roskos-Ewoldsen, B.**, Metcalfe, J., & Nosofsky, R. M. (1987, May). *Models of classification learning: How different are they?* Paper presented at the annual meeting, Indiana University-Purdue University Cognitive Psychology Conference, Champagne, IL.
3. Intons-Peterson, M. J., & **Roskos-Ewoldsen, B.** (1988, November). *Sensory/perceptual qualities of images*. Paper presented at the annual meeting, The Psychonomic Society, Chicago, IL.
4. Intons-Peterson, M. J., & **Roskos-Ewoldsen, B.** (1988, September). *Sensory-perceptual qualities of images*. Paper presented at the Second Workshop on Imagery and Cognition, University of Padova, Italy.
5. **Roskos-Ewoldsen, B.** (1990, June). *“Perceptual” organization influences the detection of emergent properties of imagined patterns*. Poster session presented at the annual meeting, American Psychological Society, Dallas, TX.
6. **Roskos-Ewoldsen, B.** (1992, June). *Quantifying figural goodness*. Poster session presented at the annual meeting, American Psychological Society, San Diego, CA.
7. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., Franks, J. J., *Bichsel, J. M., & *Willis, S. (1993, November). *Imagery, memory, and transfer-appropriate processing*. Poster session presented at the annual meeting, Psychonomic Society, Washington, DC.
8. *Bichsel, J. M., & **Roskos-Ewoldsen, B.** (1994, May). *Effects of practice on the recognition of emergent properties in visual imagery*. Paper presented at the annual meeting, Midwestern Psychological Association, Chicago, IL.

9. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., *Bichsel, J. M., & Franks, J. J. (1994, May). *The influence of ease of imagery judgments on memory*. Paper presented at the annual meeting, Midwestern Psychological Association, Chicago, IL.
10. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., *Bichsel, J. M., Franks, J. J., & *Willis, S. (1995, May). *Imagery, memory, and spontaneous remembering*. Paper presented at the annual meeting, Midwestern Psychological Association, Chicago, IL.
11. McNamara, T. P., *Shelton, A., *Vaibhav, D., *Blevins, W., & **Roskos-Ewoldsen, B.** (1995, Nov). *Viewpoint dependence and independence in human spatial memory*. Paper presented at the annual meeting, Psychonomic Society, Los Angeles, CA.
12. *Carr, W. S., & **Roskos-Ewoldsen, B.** (1996, May). *Spatial orientation using mental transformation within a spatial framework model*. Paper presented at the annual meeting, Midwestern Psychological Association, Chicago, IL.
13. Franks, J. J., Roskos-Ewoldsen, D. R., *Bilbrey, C. W., & **Roskos-Ewoldsen, B.** (1997, May). *Measuring attitude priming*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
14. *Prestopnik, J. L., & **Roskos-Ewoldsen, B.** (1997, May). *Wayfinding strategies and sense of direction*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
15. *Carr, W. S., & **Roskos-Ewoldsen, B.** (1997, May). *Orienting to spatial locations beyond the visual field*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
16. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., Klinger, M. R., *Willis, S., & **White, K. K. (1997, May). *The effect of overlapping processing on memory is relatively unconscious*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
17. *Bichsel, J., & **Roskos-Ewoldsen, B.** (1997, June). *Working memory, intelligence, and visual discovery*. Poster session presented at the annual meeting of the American Psychological Society, Washington, DC.
18. *Mccown, S. M., Black, S., & **Roskos-Ewoldsen, B.** (1998, April). *Age related changes in creative thinking*. Poster session presented at the bi-annual meeting of the Cognitive Aging Society.
19. *Sligh, A. C., **Roskos-Ewoldsen, B.**, & Conners, F. A. (1998, May). *Intelligence and creativity: A test of Guilford's Threshold Hypothesis*. Poster session presented at the annual meeting of the American Psychological Society, Washington, DC.
20. **Roskos-Ewoldsen, B.**, *Carr, W., & *Prestopnik, J. (1998, May). *Measuring spatial visualization*. Poster session presented at the annual meeting of the American Psychological Society, Washington, DC.
21. *Willis, S., **Roskos-Ewoldsen, B.**, & Klinger, M. (1998, November). *Unconscious imaginal priming*. Poster session presented at the annual meeting of the Psychonomic Society, Dallas, TX.
22. *Mccown, S., *Sligh, A. C., & **Roskos-Ewoldsen, B.** (1999, May). *Relations among creativity, intelligence, and attentional inhibition*. Poster session presented at the annual meeting of the American Psychological Society, Denver, CO.
23. *Carr, W., **Roskos-Ewoldsen, B.**, & *Prestopnik, J. L. (2000, August). *Relation of spatial thinking to performance of submarine personnel*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
24. *Rilea, S. L., **Roskos-Ewoldsen, B.**, & *Carr, W. (2001, May). *Remembering what's behind us*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

25. *Prestopnik, J. L., & **Roskos-Ewoldsen, B.** (2001, May). *Sex differences versus strategy differences in wayfinding performance*. Poster session presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
26. **Arnold, T. L., **Weiss, J-M., *Carr, W., *Prestopnik, J., & **Roskos-Ewoldsen, B.** (2001, May). *A paper-and-pencil block design test*. Poster session presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
27. *Rosenquist, C. J., Conners, F. A., & **Roskos-Ewoldsen, B.** (2002, March). *Working memory in individuals with mental retardation*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
28. *Atwell, J., **Roskos-Ewoldsen, B.**, *Prestopnik, J., & Conners, F. A. (2002, March). *Image scanning and intellectual disability*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
29. *Shadinger, T. V., & **Roskos-Ewoldsen, B.** (2002, June). *Effects of indirection training on spatial ability: Implications for older adults*. Poster session presented at the annual meeting of the American Psychological Society, New Orleans, LA.
30. Roskos-Ewoldsen, D. R., **Roskos-Ewoldsen, B.**, & *Carpentier, F. R. D. (2002, July). *Media priming: A synthesis*. Paper presented at the annual meeting of the International Communication Association, Seoul, South Korea.
31. *Carpentier, F. R. D., Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2002, July). *A test of the network models of political priming*. Paper presented at the annual meeting of the International Communication Association, Seoul, South Korea.
32. *Prestopnik, J. L., & **Roskos-Ewoldsen, B.** (2002, November). *Dimensions of spatial strategies*. Poster session presented at the annual meeting of the Psychonomic Society, Kansas City, MO.
33. *Yang, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2003, May). *Testing the Landscape Model of text comprehension*. Paper presented at the annual meeting of the International Communication Association, San Diego, CA.
34. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., *Yang, M., *Choi, J., & *Crawford, Z. (2003, May). *Mental models of the media*. Poster session presented at the annual meeting of the International Communication Association, San Diego, CA.
35. *Yang, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2003, May). *Implications of the landscape model of text memory for brand placement*. Poster session presented at the annual meeting of the International Communication Association, San Diego, CA.
36. **Roskos-Ewoldsen, B.**, Roskos-Ewoldsen, D. R., *Yang, M., *Crawford, Z., & *Choi, J. (2003, May/June). *Mental models of a movie*. Poster session presented at the annual meeting of the American Psychological Society, Atlanta, GA.
37. **Roskos-Ewoldsen, B.**, *Lee, M., & Roskos-Ewoldsen, D. R. (2003, November). *Applying the Landscape Model of comprehension to TV news*. Paper presented at the annual meeting of the Psychonomic Society, Vancouver, BC, Canada.
38. *Crawford, Z. A., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2004, April). *Dynamic mental models of a movie*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
39. **Roskos-Ewoldsen, B.**, *Davies, J., & Roskos-Ewoldsen, D. R. (2004, May). *Mental Models of Cultivation*. Paper presented at the annual meeting of the International Communication Association, New Orleans, LA.
40. *Lee, M., Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2004, May). *Mental Representations of News Stories*. Paper presented at the annual meeting of the International Communication Association, New Orleans, LA.

41. **Roskos-Ewoldsen, B.**, **Moncrief, A. C., Klinger, M. R., & Klinger, L. G. (2004, November). *Generation and exploration: Separable creative processes in persons with Autism Spectrum Disorders*. Poster session presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
42. **Roskos-Ewoldsen, B.**, & *Prestopnik, J. L. (2005, June). *Spatial Performance and Strategy Use: The Benefits of Using Imagery*. Paper presented at the Xth European Workshop on Imagery and Cognition (bi-annual meeting). St. Andrews, Scotland.
43. Roskos-Ewoldsen, D. R., **Roskos-Ewoldsen, B.**, & *Lee, M. (2005, June). *The Role of Visual Representation in the Comprehension of TV News*. Paper presented at the Xth European Workshop on Imagery and Cognition (bi-annual meeting). St. Andrews, Scotland.
44. *Lee, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2005, November). *Combining the Landscape and Event Indexing Models of Comprehension: A Conceptual PDP Model*. Paper presented at the annual meeting of the National Communication Association. Boston.
45. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2005, November). *Mechanisms Underlying Media Priming: A Meta-Analysis*. Paper presented at the annual meeting of the National Communication Association. Boston.
46. Roskos-Ewoldsen, D. R., & **Roskos-Ewoldsen, B.** (2006, June). *Accessibility and comprehension of media messages*. Paper presented at the annual meeting of the International Communication Association. Dresden, Germany.
47. *Lee, M., **Roskos-Ewoldsen, B.**, & Roskos-Ewoldsen, D. R. (2006, June). *Simulation model for story comprehension in parallel distributed processing*. Paper presented at the annual meeting of the International Communication Association. Dresden, Germany.
48. *Lee, M., Roskos-Ewoldsen, D. R., & Roskos-Ewoldsen, B. (2006, June). *Comprehension of filmic events in a native language and a non-native language: Inference generation and cognitive mapping*. Poster session presented at the annual meeting of the International Communication Association. Dresden, Germany.
49. **Roskos-Ewoldsen, B.**, *Prestopnik, J. L., *McKeen, J. H., *Lee, M., & *Carr, W. (2006, November). *Spatial strategies are measurable and predictive of performance*. Paper presented at the annual meeting of the Psychonomic Society, Houston, TX.
50. *Hilgeman, M., **Roskos-Ewoldsen, B.**, & *McKeen, J. H. (2006, November). *Cognitive Screening as a Predictor of Functional Ability: A Comparison of Two Measures*. Paper presented at the annual meeting of the Gerontological Society of America., Dallas, TX.
51. Ward, T., Rhodes, N. **Roskos-Ewoldsen, B.**, DeCoster, J., & the Alabama Decision Making Group. (2007, January). *Generative thinking and risk behavior in adolescents*. Paper presented at the annual meeting of the Society for Personality and Social Psychology. Memphis, TN.
52. **Roskos-Ewoldsen, B.**, DeCoster, J., O'Mally, J., Dail, J., & the Alabama Decision Making Group (2007, February). *Improving the consistency of forward- and reverse-coded survey items*. Paper presented at the weekly meeting of Contemporary Issues in Experimental Psychology at The University of Alabama, Tuscaloosa, AL.
53. Barth, J. M., Roskos-Ewoldsen, D., Bolland, J. M., & the **Alabama Decision Making Group**. (2007, March). *High risk children's decisions about substance use: Dual processes*. Paper presented at the biannual meeting of the Society for Research in Child Development. Boston, MA.
54. Bolland, J. M., Rhodes, N., Barth, J. M., & the **Alabama Decision Making Group** (2007, March). *Instability in parental figures, decision making, and youth risk*. Paper presented at the biannual meeting of the Society for Research in Child Development. Boston, MA.

55. Ward, T. B., Rhodes, N., **Roskos-Ewoldsen, B.**, DeCoster, J., Bolland, J. M., Barth, J. M., O'Mally, J., & the Alabama Decision Making Group (2007, March). *Generative thinking and risk behavior in adolescents*. Poster session presented at the biannual meeting of the Society for Research in Child Development. Boston, MA.
56. McKeen, J. H., & **Roskos-Ewoldsen, B.** (2007, May). *Social and Spatial Aspects of Wayfinding*. Poster session presented at the annual meeting of the Association for Psychological Science. Washington, DC.
57. Merrill, E., **Roskos-Ewoldsen, B.**, McKeen, H., Black, S., Hilgeman, M., Scogin, F. (2008, April). *Mild Cognitive Impairment and Implicit Learning on a Contextual Cueing Task*. Poster session presented at the biennial Conference on Human Development. Indianapolis, IN.
58. Black, S. R., *Wayde, E., & **Roskos-Ewoldsen, B. B.** (2009, May). *Concreteness and semantic satiation*. Poster session presented at the annual meeting of the Association for Psychological Science. San Francisco, CA.
59. Kim, K. S., **Roskos-Ewoldsen, B.**, & Ewoldsen, D. R. (2010, June). *Using the Landscape Model of Comprehension to Understand Framing Effects in Political Judgments*. Paper presented at the annual meeting of the International Communication Association. Singapore.
60. **Roskos-Ewoldsen, B.**, & Barth, J. (2010, May). *Gender differences in life goals: Moving beyond marriage and family*. Poster session presented at the annual meeting of the Association for Psychological Science, Boston, MA.
61. Ward, T. B., *Guerdat, M., & **Roskos-Ewoldsen, B.** (2010, August). *Virtual Brainstorming: Avatar Visibility and Group Size*. Paper presented at the annual meeting of the Cognitive Science Society. Portland, OR.
62. *Benson, M., Merrill, E. C., Conners, F. A., & **Roskos-Ewoldsen, B.** (2011, March). *The effects of landmark instruction on wayfinding in persons with Down syndrome*. Poster session presented at the annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities. San Antonio, TX.
63. Ward, T. B., *O'Malley, J., *McKeen, J. H., Barth, J. M., **Roskos, B.** & Bolland, J. (2011, March/April). *Generative Thinking, Behavioral Outcomes and Risky Choices in Youth Growing Up in Poverty Environments*. Poster session presented at the biennial meeting of the Society for Research in Child Development. Montreal, Quebec, Canada.
64. **Roskos, B.** *McKeen, J. H., & *Prestopnik, J. (2011, May). *Individual differences in sense of direction and their relation to spatial performance and strategy use*. Paper presented at the annual meeting of the Association for Psychological Science. Washington, DC.
65. Barth, J., McCallum, D. M., Todd, B., Guadagno, R. E., **Roskos, B.**, Burkhalter, C., & Goldston, M. J. (2011, June). *Effects of Engaging Classroom Strategies and Teacher Support on Student Outcomes Over School Transitions*. Paper presented at the annual meeting of the American Society for Engineering Education. Vancouver, BC, Canada.
66. **Roskos, B.**, & *McKeen, J. H. (2011, November). *Social aspects of wayfinding*. Paper presented at the annual meeting of the Psychonomic Society. Seattle, WA.
67. Sickler, S., & **Roskos, B.** (2012, May-June). *Defining Your Comfort Zone: Examining Transitions by College-Aged and Retired Adults to Planned Residential Communities*. Poster session presented at the annual meeting of the Environmental Design Research Association. Seattle, WA.
68. *Steele, S. J., & **Roskos, B.** (2013, May). *Dimensions of spatial strategies: A replication*. Poster session presented at the annual meeting of the Association for Psychological Science. Washington, DC.
69. Sickler, S., & **Roskos, B.** (2013, May-June). *Temporary territories: Predictors of feeling "at home" in campus housing*. Poster session presented at the annual meeting of the Environmental Design Research Association. Providence, RI.

70. *Steele, S. J., & **Roskos, B.** (2013, November). *Brain lateralization predicts sex differences on object-oriented spatial tasks*. Poster session presented at the annual meeting of the Psychonomics Society. Toronto, ON, Canada.
71. *Fu, E., **Roskos, B.**, & Sickler, S. (2015, May). *Consumers in retirement: Indoor and outdoor environmental features that aid wayfinding (and sense of belongingness) in older adults during liminal transitions*. Poster session presented at the annual meeting of the Environmental Design Research Association. Los Angeles, CA.
72. *Fu, E., **Roskos, B.**, & Sickler, S. (2015, November). *Consumers in retirement: Indoor and outdoor environmental features that aid wayfinding (and sense of belongingness) in older adults during liminal transitions*. Poster session presented at the annual meeting of the Psychonomic Society. Chicago, IL.
73. **Roskos, B.**, **Whitham, W., & *Steele, S. (2015, November). *Wayfinding in urban and non-urban environments*. Poster session presented at the annual meeting of the Psychonomic Society. Chicago, IL.
74. **Roskos, B.**, *Mendoza, J., *Crawford, Z. & Ewoldsen, D. R. (2016, May). *Capturing mental models of a movie across time*. Poster session presented at the International Meeting of the Psychonomic Society. Granada, Spain.
75. *Fu, E., **Roskos, B.**, & Bravo, M. (2016, May). *Single-destination navigation in a multiple-destination task: A new “later-destination attractor” bias in route choice*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.
76. **Cory, M., & **Roskos, B.** (2016, November). *Technology use and driver mental resources*. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
77. *Fu, E. & **Roskos, B.** (2016, November). *The later-destination attractor bias: Uncoupling size of environment and visibility*. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
78. **Roskos, B.**, *Crawford, Z., Ewoldsen, D. R., & *Mendoza, J. (2017, November). *That's not the movie I saw! Measuring differences in movie interpretations*. Paper presented at the annual meeting of the Psychonomic Society, Vancouver, British Columbia, Canada.
79. **Roskos, B.**, *Crawford, Z., Ewoldsen, D. R., & *Mendoza, J. (2018, May). *That's not the movie I saw! Measuring differences in movie interpretations*. Paper presented at the International Meeting of the Psychonomic Society, Amsterdam, Netherlands.
80. *Burchardt, D., **Roskos, B.**, & *Fu, E. (2018, November). *The Later-Destination Navigation Bias in an Outdoor Environment*. Poster session presented at the annual meeting of the Psychonomic Society. New Orleans, LA.
81. *Horace, J., **Roskos, B.**, & Amy-Chavez, C. (2018, November). *African Americans Hiring African Americans: The Effects of Skin Tone on Hiring Preferences*. Poster session presented at the annual meeting of the Psychonomic Society. New Orleans, LA.
82. Merrill, E. C., Conners, F. A., **Roskos, B.**, *Robinson, T., *Himmelberger, Z., & *Yang, Y. (2019, March). *Acquisition of route and survey knowledge during wayfinding by individuals with Down syndrome*. Paper presented as part of a symposium, “How do navigational skills develop in typical and atypical populations?” at the Biennial Meeting of the Society for Research in Child Development. Baltimore, MD.
83. Zhao, Q., & Roskos, B. (2019, July). *Which is better: harder or easier? The effect of cognitive demand on the group incubation effect during a divergent thinking task*. Paper presented at the annual Creativity Conference. Ashland, OR.
84. Burchardt, D., Robinson, T., & Roskos, B. (2020, June-September). *The impact of visibility and existing litter on littering behavior*. Virtual poster session presented at the annual meeting of the Association for Psychological Science.

Teaching Activities

Teaching Interests

Statistical methods; sensation and perception; cognitive psychology; introduction to psychology; physiological psychology; cognitive neuroscience; research methods; environmental psychology

Student Learning Outcomes and Assessments

Course Level

In every class I tell students what I expect them to know by the end of the course, both in the syllabus and verbally. For every learning outcome I specify a priori how I am going to measure student progress toward it, usually with embedded exam questions and lab assignments. At the end of the semester I formally summarize the data and identify and changes that may increase student learning.

Program Level

Every academic program (e.g., B.A. in Psychology) assesses student learning outcomes for their majors. As the coordinator for psychology this involves requesting data from faculty who teach upper division courses; namely, research methods, history of psychology, and writing seminars (written papers are randomly selected). Along with the Undergraduate Committee, I summarize the data and present it to the faculty for discussion and suggested plans of action.

Department Level

In the very early ages of the outcomes and assessment process (2003-04), as Interim Chair I created student learning outcomes based on APA recommendations and department outcomes.

College Level

As Assessment Director for the College of Arts and Sciences, the Dean, Dean's staff, and I created outcomes and assessments at the college level, gathered the data, summarized and interpreted them, and created and monitored action plans.

Faculty Workshops

As Assessment Director for the College of Arts and Sciences, I led faculty workshops for course-level student learning outcomes and assessments, and for department-level outcomes and assessments, including student learning outcomes at the program level.

Quality Enhancement Plan

The University of Alabama's QEP focused on increasing undergraduate student problem-solving skills through quality experiential learning opportunities. As Director, my colleague and I led workshops for faculty and professional staff on how to structure quality opportunities and assess problem-solving skills. My colleague and I also assembled a faculty/staff committee to evaluate student essays for level of problem-solving skills using a rubric.

Teaching Technology

LMS (Blackboard); Clicker response systems (TurningPoint): Online homework (WebAssign); Online exams (Blackboard); Lecture recordings (Tegrity, Panopto); Writing tools (Turnitin); Lab assignments (SPSS); Accessibility tools (LMS, PDF, Word, Excel, PowerPoint, Box).

Teaching Supervision

Undergraduate Teaching Internships for Elementary Statistics
Coordinator for PY211 Elementary Statistics sections

Research Supervision

Undergraduate Research Assistants (100+)

Courses Taught (*Evidence of teaching effectiveness available upon request*)

Undergraduate-Lower Division

Elementary Statistical Methods
Experimental Methods in Psychology (Indiana University)

Undergraduate-Upper Division

Cognitive Psychology
Physiological Psychology
Sensation and Perception
Senior Writing Seminars:
 Environmental Psychology
 Principles of Mental Imagery

Directed Readings:

 Decision Making
 Language, Gesture, and Space

Undergraduate Independent Research

Graduate

Cognition and Learning
Perception and Action
Advanced Statistics I (t-tests and ANOVA)
Cognitive Seminar:
 Visual-Spatial Cognition
 Models of Memory
 Cognitive Aspects of Creativity
 Mental Models and Representations
Directed Readings: Spatial Cognition

Undergraduate Honors Thesis, Chair

Molly Cory (2016)

The relative effects of GPS devices and cell phones on driver attention.

William Whitham (2015)

Strategies used for wayfinding in urban and rural environments.

Amity Moncrief (2004) (co-chair with Laura Klinger)

Implicit and explicit creative skills in children and adolescents with Autism.

Adam Hutcheson (2002)

Strategy use in a wayfinding task.

McNair Scholar Researcher, Chair

Jennifer Byrd (2000)

The role of self-esteem, skin color, and stereotype threat on perceptions of job success among African-American women.

Master's Thesis, Chair

Toni Rebaldo (data collection)

The effect of exposure to "successful" Instagram profiles on self-reported life satisfaction.

Dalton Burchardt (data collection)

The effect of disruption on wayfinding performance and spatial memory.

Jessica Mendoza (2017)

Investigating the relationship between technology and spatial memory.

Sara Steele (2014)

Lateralization of function in spatial ability of men and women.

Henry McKeen (2007)

The role of sense of personal safety and spatial anxiety in gender differences in wayfinding.

Zachary Crawford (2003)

Dynamic mental models of a movie.

Rebecca Waters (I/O student; co-chair with Stanley Brodsky) (2002)

Validation of the Melvin-Martin sales inventory in a new-automobile sales environment.

Master's Thesis, Chair, continued

Tamara Shadinger (2001)

Effects of everyday activities on spatial ability: Implications for older adults.

Jillian Prestopnik (1998)

An investigation of the relations of wayfinding strategies, sense of direction, sex, and spatial orientation task performance.

Walter Carr (1995)

Spatial orientation by mental transformation within a spatial framework model.

Jacqueline Bichsel (1994)

The effects of practice on the recognition of emergent properties in visual imagery.

Dissertation, Chair:

Qichen Zhao (proposal stage)

Group creativity and incubation: The effect of emotion during incubation on creativity.

Janet Horace (data collection)

Her crowning glory: Exploring the implicit cognitive biases of African American women's hairstyles and their relations to judgments of attractiveness, professionalism, and dominance.

Jessica Mendoza (data collection)

The influence of chronic vs. normative social media usage on spatial memory.

En Fu (2017)

Route choice in virtual environments: The effects of environmental size, destination visibility, and regional boundaries.

Sara Steele (2016)

Predicting GPS usage: The relative importance of wayfinding ability, object-based spatial ability, working memory capacity, anxiety, and overall technology usage.

J. Henry McKeen (2010)

Factors related to social wayfinding: Environment, ability, and anxiety.

Mi-Na Lee (co-chair with Gary Copeland, CCIS) (2007)

Story comprehension modeling using parallel distributed processing networks.

Tamara Shadinger (2004)

Optimization of creativity: The roles of processes and components.

Allison Sligh (co-chair with Frances Connors) (2003)

The relation between intelligence and creativity.

Stacy Rilea (2002)

Sex differences in spatial ability: A lateralization of function approach.

Jillian Prestopnik (2001)

Dimensions of spatial strategies.

Sharon Harbin (interdisciplinary student; co-chair with David Roskos-Ewoldsen) (2001)

The language of cognitive principles: A foundation for cognitive sciences.

Katherine Perez-Rivera (adult clinical student; co-chair with Jerome Rosenberg) (2000)

Relation of racial identity attitudes to the experience of and coping with anger in African-Americans and Caucasians.

Celia Rosenquist (co-chair with Frances Connors) (2000)

Working memory in individuals with mental retardation.

Walter Carr (1997)

Spatial orientation to 180° with and without mental transformation.

Jacqueline Bichsel (1996)

Individual differences in working memory and their relation to discovery.

Dissertation, Chair, continued:

David Ott (child clinical student; co-chair with Robert Lyman) (1995)

Effects of musical context on the improvisation of children as a function of age, training, and exposure to music.

Major Area Paper (MAP) Supervision (Eliminated as requirement around 2005)

Allison Sligh (co-chair with Fran Connors) (2003)

Intelligence and creativity: A meta-analysis.

Tamara Shadinger (2003)

Optimization of creativity: Corporate training from a cognitive perspective.

Jillian Prestopnik (2001)

Strategy use in spatial cognition: A critical review.

Stacy Rilea (2001)

Sex differences in spatial ability: A lateralization of function approach.

Celia Rosenquist (co-chair with Fran Connors) (2000)

The development of mental imagery in individuals with mental retardation.

Walter Carr (1996)

Nominal and interval scaling in the cognitive representation of spatial information.

Jacqueline Bichsel (1995)

Working memory and intelligence.