

EDUCATION

UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN, PH.D. (1994)
MICHIGAN STATE UNIVERSITY, M.A. (1991)
DARTMOUTH COLLEGE: A.B., *cum laude* (1987), Self-Defined Major: Psychology of Language

EXPERIENCE

UNIVERSITY OF DELAWARE (2022 – PRESENT)
Interim President, 2025 – present
Provost & Professor of Psychological and Brain Sciences (2022 – 2025)

UNIVERSITY OF NOTRE DAME (1994 - 2022)
Vice President, Associate Provost, and Dean of the Graduate School (2013-2022)
Associate Dean of Professional Development, The Graduate School (2009-2013)
Associate Chair, Psychology Department (2007-2009)
Director of Graduate Studies, Psychology Department (2001-2005)
Professor of Psychology (2008-2022; Associate 1999 – 2008; Assistant 1994-1999)

AWARDS and RECOGNITIONS

- Participant, Academy for Innovative Higher Education Leadership (2016)
- Fellow, Association of Psychological Science (Elected, 2012)
- Selected member for founding cohort, NDLead, Notre Dame (2011)
- Rev. Edmund P. Joyce C.S.C Award for Excellence in Undergraduate Teaching, Notre Dame (2008)
- Kaneb Teaching Award, College of Arts and Letters, Notre Dame (2001 and 2005)
- Appointed, Kaneb Center Teaching Fellow, Notre Dame (2002)
- American Psychological Association Dissertation Award (1994)
- Benjamin Benner Research Award in Psychology, Dartmouth College (1987)
- Class of 1846 Latin Prize, Dartmouth College (1984)

PROFESSIONAL APPOINTMENTS AND ELECTIONS

- Council of Graduate Schools Advisory Committee on Advocacy and Public Policy (2022)
- Council of Graduate Schools PhD Career Pathways Deans Leadership Group (2019-2021)
- Guarini School Board of Advisors, Dartmouth College, Vice-Chair (2021-2024); Founding Member (2019-2024)
- Governing Board, Psychonomic Society: Chair-Elect (2018); Chair (2019); Past-Chair (2020); Secretary-Treasurer (2008-2010); Elected member (2016-2021)
- Governing Board, The Cognitive Science Society, Elected Member (2011-2016); Program Co-Chair for Annual Meeting (2011)
- Program Committee, Midwestern Psychological Association (2006-2008); Local Representative (2005-2010)

PROFESSIONAL MEMBERSHIPS

- Psychonomic Society, Fellow
- Association for Psychological Science, Fellow
- Cognitive Science Society, Member

EDITORIAL and EVALUATOR ACTIVITIES

- Associate Editor:
 - *Journal of Experimental Psychology: Learning, Memory & Cognition* (2008 – 2012)
 - *Cognitive Psychology* (2011 – 2014)
 - *Memory & Cognition* (2005 – 2008)
- Guest editor (with Nora Newcombe and James Hoffman), Special Section entitled “Spatial reference frames: Integrating Cognitive, Behavioral, and Cognitive Neuroscience Approaches, *Journal of Experimental Psychology: Learning, Memory and Cognition* (2010)
- Editorial Board Member (2012 – 2022):
 - *Journal of Experimental Psychology: Learning, Memory and Cognition*;
 - *Attention, Perception, & Psychophysics*
- External Reviewer: Departmental Reviews, Tenure and Promotion Cases
- Consultant in Spatial Cognition, Sandia National Labs
- National Science Foundation, Graduate Research Fellowship Panel
- National Science Foundation, Cross-Directorate Review Panel (CDI)
- National Science Foundation, SBE Advance Grant Review Panel
- National Science Foundation SBE POWRE Grant Review Panel

SCHOLARSHIP SYNOPSIS

- Research expertise in *spatial cognition* with a focus on how we represent environments, examining how they are learned, which landmarks are remembered, how routes through these environments are described, and why we might get lost in these environments
- Research expertise in *visual perception and attention* with a focus on the information that is used to guide eye-movements to targets in the environment, and the identification of information that we retain from a glance at the world
- *Interdisciplinary research* on frames of reference in collaboration with engineers, computer scientists, linguistics, cultural anthropologists, neuroscientists and geographers to understand navigation and coordination across spaces.

EXTERNAL FUNDING (PI or Co-PI)

Related to Administration

- PI, Deliberative Sessions on Protections for Research Misconduct Whistleblowers (1-ORIR190050- 01-00); Office of Research Integrity, Department of Health and Human Services; Project Director: Allan Loup; \$111,496
- Co-PI, Cultivating Foundations for Responsible Innovation (SES-1926280); National Science Foundation; Project Director: Mark Bourgeois; \$295,787
- PI, Cultivating Leaders for Ethical STEM Program (#SES- 1449469); National Science Foundation; Project Director: John Lubker; \$410,340). This led to the development of the LASER (Leadership Advancing Socially-Engaged Research) which won the best leadership program award by the Association of Leadership Educators in 2021.
- PI, Council of Graduate Schools Career Pathways Project (funded by National Science Foundation grant #1661272 and Andrew W. Mellon Foundation), \$80,000
- PI, The Newly Associate Network (Lilly Foundation), \$12,000.

Related to Research

- Co-PI, Human-Driven Spatial Language for Human-Robot Interaction. National Science Foundation, Information & Intelligent Systems: Human-centered computing program. \$499,008. 9/1/10 - 8/31/13, PI Marge Skubic, University of Missouri.

- Co-PI, Differential use of egocentric and allocentric information in the use of robotic devices using upper limb rehabilitation for stroke patients. ND-PDT, Indiana Clinical and Translational Sciences Institute, NIH RR025761, \$18,388, 9/15/2010- 9/14/2011; PI James Schmiedeler, Notre Dame
- PI, Interpreting Spatial Relations. National Science Foundation, SBR 52,1889727638, \$179,856. 1998-2001.
- PI, Acquisition of a Dual Purkinje Image Eye Tracker for Use in Cognitive Psychology. National Science Foundation, 9602477, 9/1/1996 – 8/31/1997.

UNDERGRADUATE FUNDING FOR RESEARCH AND LEARNING

- Undergraduate Research Opportunity Program: Kevin Mickey, Kevin Kimberly
- Learning Beyond the Classroom Grant:
 - Greg Davis, Jeremy Hillyard, Kevin Kimberly, Jared Miller to attend the Spatial Cognition Conference in Freiburg, Germany (lab)
 - Meaghan Jennings, Beck Roan, Amanda Spiegelberg, Matt Grosso, Gabrielle Michalak to attend the Green Festival in San Francisco (Deciding to be Green Class)

POSTDOCTORAL SCHOLARS DIRECTED

- Ben Nelligan, Ph.D.
- Deanne Adams, Ph.D.
- Holger Schultheis, Ph.D.
- Xiaou Li, Ph.D.
- Aaron Ashley, Ph.D.

GRADUATE STUDENTS DIRECTED

- Jared Miller, Ph.D.
- Jennifer Kolesari, Ph.D.
- Jose Lugo, Ph.D., co-director
- Chris Galuceia, M.A.
- Edwin Covell, M.A.
- Patrick Hill, M. A.
- Shannon van Deman, M.A.
- Eric Covey, M.A.

PSYCHOLOGY UNDERGRADUATE HONORS THESES DIRECTED

- Alexandra Amorati
- Corinne Swearingen
- Kevin Kimberly
- Kevin Mickey
- Ashley Herrmann

RESEARCH METRICS

h = 33; citations = 4258 (July, 2025); goggle scholar profile: [Laura Carlson](#)

BOOKS

Carlson, L. A. & van der Zee, E (Eds). (2005). Functional features in language and space: Insights from perception, categorization and development. Oxford University Press

REFEREED PUBLICATIONS

Spatial Cognition

- Saskia, F.K., Nelligan, B., Dalton, R.C., Marchette, S. Shelton, A.L., Carlson, L. & Hölscher, C. (2019). Exploring individual differences and building complexity in wayfinding: The case of Seattle Central Library. *Environment and Behavior*, 51, 5, 622-665.
- *Schultheis, H. & Carlson, L. A. (2018). Inter-Process Relations in Spatial Language: Feedback and Graded Compatibility. *Cognition*, 176, 140-158.
- *Kolesari, J. & Carlson, L. A. (2018). How the Physicality of Space Affects How We Think About Time. *Memory & Cognition*, 46(3), 438-449.
- *Schultheis, H., & Carlson, L. A. (2017). Mechanisms of Reference Frame Selection in Spatial Term Use: Computational and Empirical Studies. *Cognitive Science*, 41 (2), 276-325.
- *Li, X., Carlson, L. A., Mou, W., *Williams, M. R., & *Miller, J. E. (2011). Describing spatial locations from perception and memory: The influence of intrinsic axes on reference object selection. *Journal of Memory and Language*, 65, 222-236.
- *Miller, J.E., Carlson, L. A., & *Hill, P. L. (2011). Selecting a reference object. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 37, 840-850.
- *Miller, J. E., & Carlson, L. A. (2011). Selecting landmarks in a novel environment. *Psychonomic Bulletin & Review*, 18(1), 184-191.
- Carlson, L. A., *Hölscher, C., Shipley, T. F., & Conroy Dalton, R. (2010). Getting Lost in Buildings. *Current Directions in Psychological Science*, 19(5), 284-289.
- Carlson, L. A. & *Hill, P. L. (2008). Processing the presence, placement and properties of a distractor during spatial language tasks. *Memory & Cognition*, 36, 240-255
- Carlson, L. A. & *Van Deman, S. (2008). Inhibition within a reference frame during the interpretation of spatial language. *Cognition*, 106, 384-407.
- *Ashley, A. & Carlson, L.A. (2007). Interpreting proximity terms involves computing distance and direction. *Language and Cognitive Processes*, 22, 1021-1044.
- Carlson, L. A., Regier, T., †Lopez, B. & Corrigan, B. (2006). Attention unites form and function in spatial language. *Spatial Cognition and Computation*, 6, 295-308.
- Carlson, L. A. & †Kenny, R. (2006). Interpreting spatial terms involves simulating interactions. *Psychonomic Bulletin & Review*, 13, 682-688.
- Carlson, L. A. & *Covey, E. S. (2005). How far is near? Inferring distance from spatial descriptions. *Language and Cognitive Processes*, 20, 617-632.
- Carlson, L. A. & *van Deman, S. (2004). The space in spatial language. *Journal of Memory and Language*, 51(3), 418-436.
- Carlson, L. A. (2003). Using spatial language. *Psychology of Learning and Motivation*, 43, 127- 161.
- Carlson, L. A., West, R., Taylor, H. A., & †Herndon, R. (2002). Neural correlates of spatial term use. *Journal of Experimental Psychology: Human Perception and Performance*, 28, 1391- 1408.
- Carlson, L. A. & Logan, G. D. (2001). Using spatial terms to select an object. *Memory & Cognition*, 29, 883-892.
- Regier, T. & Carlson, L. A. (2001). Grounding spatial language in perception: An empirical and computational investigation. *Journal of Experimental Psychology: General*, 130, 273-298. Order of authorship is arbitrary.
- Carlson-Radvansky, L. A., & *Tang, Z. (2000). Functional influences on orienting a reference frame. *Memory & Cognition*, 28, 812-820.
- Carlson, L. A. (1999). Selecting a reference frame. *Spatial Cognition and Computation*, 1, 365-379.
- Carlson-Radvansky, L. A., *Covey, E. S., & †Lattanzi, K. M. (1999). "What" effects on "where": Functional influences on spatial relations. *Psychological Science*, 10, 516-521.
- Carlson-Radvansky, L. A. & *Jiang, Y. (1998). Inhibition accompanies reference frame selection. *Psychological Science*, 9, 386-391.
- Carlson-Radvansky, L. A., & Logan, G. D. (1997). The influence of reference frame selection on spatial template construction. *Journal of Memory and Language*, 37, 411-437.
- Carlson-Radvansky, L. A. & Radvansky, G. A. (1996). The influence of functional relations on spatial term selection. *Psychological Science*, 7, 56-60.

- Carlson-Radvansky, L. A., & Irwin, D. E. (1994). Reference frame activation during spatial term assignment. *Journal of Memory and Language*, 33, 646-671.
- Carlson-Radvansky, L. A. & Irwin, D. E. (1993). Frames of reference in vision and language: Where is above? *Cognition*, 46, 223-244.

Visual Perception and Attention

- *Schultheis, H. & Carlson, L. A. (2013). Determinants of Attentional Modulation Near the Hands. *Frontiers in Psychology: Perception Science*, 18 November 2013 DOI: 10.3389/fpsyg.2013.00858
- *Miller, J. E., Carlson, L. A., & McAuley, J. D. (2013). When what you hear influences when you see: Listening to an auditory rhythm influences the temporal allocation of visual attention. *Psychological Science*, 24 (1), 11-18. DOI: 10.1177/0956797612446707.
- West, R. L., Carlson, L. A., & Cohen, A.-L. (2007). What the eyes can tell us about prospective memory. *International Journal of Psychophysiology*, 64, 269-277.
- †Brockmole, J. R., Carlson, L. A., & Irwin, D. E. (2002). Inhibition of attended processing during saccadic eye movements. *Perception & Psychophysics*, 64, 867-881.
- Carlson, L.A., Covell, E. R., & †Warapius, T. (2001). Transsaccadic coding of multiple objects and features *Psychologica Belgica*, 41 (Special Issue: Transsaccadic Object Perception), 9- 28.
- Currie, C., McConkie, G., Carlson-Radvansky, L. A., & Irwin, D. E. (2000). The role of the saccade target object in the perception of a visually stable world. *Perception & Psychophysics*, 62, 673-683.
- Carlson-Radvansky, L. A. (1999). Memory for relational information across eye movements. *Perception & Psychophysics*, 61, 919-934.
- Irwin, D. E., & Carlson-Radvansky, L. A. (1996). Cognitive suppression during saccadic eye movements. *Psychological Science*, 7, 83-88.
- Irwin, D. E., Carlson-Radvansky, L. A., & Andrews, R. V. (1996). Information processing during saccadic eye movements. *Acta Psychologica*, 90, 261-273.
- Carlson-Radvansky, L. A., & Irwin, D. E. (1995). Memory for structural information across eye movements. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 21, 1441-1458.
- Radvansky, G. A., Carlson-Radvansky, L. A., & Irwin, D. E. (1995). Uncertainty in estimating distances from memory. *Memory & Cognition*, 23, 596-606.
- Irwin, D. E., McConkie, G. W., Carlson-Radvansky, L. A., & Currie, C. (1994). A localist evaluation solution for visual stability across saccades. *Behavioral and Brain Sciences*, 17, 265-266.
- Carlson, L. A., Alejano, A. & Carr, T. (1991). The level of focal attention hypothesis in oral reading: Influence of strategies on the context specificity of lexical repetition effects. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 17, 924-931.

Interdisciplinary Research

- Carlson, L. A., Kennedy, J., Zeller, K. A., & Busey, T. (2021). Describing communication during a forensic investigation using the pebbles on the scale metaphor. *Forensic Science International Synergy*, 4(1): 100199; DOI:10.1016/j.fsisyn.2021.100199
- *Lugo J, Schmiedeler J, Batill S, Carlson L. (2016). Relationship Between Product Aesthetic Subject Preference and Quantified Gestalt Principles in Automobile Wheel Rims. *Journal of Mechanical Design*, 138 (5), 051101.
- *Lugo, JE, Schmiedeler, J.P., Batill, S. M., & Carlson, L. A. (2015). Quantification of Classical Gestalt Principles in Two-Dimensional Product Representations. *Journal of Mechanical Design*, 137(9), 094502.
- Carlson, L. A., Skubic, M., *Miller, J., Huo, Z., & Alexenko, T. (2014). Strategies for human-driven robot comprehension of spatial descriptions by older adults in a robot fetch task. *Topics in Cognitive Science*, 6 (3), 513-533.
- Carlson, L. A., Hoffman, J., & Newcombe, N. (2010). Introduction to the Special Section on Spatial Reference Frames: Examining what and how information is encoded through the integration of cognitive, behavioral, and neuroscience approaches. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 36, 573-575.

CONFERENCE PROCEEDINGS (REFEREED)

Spatial Cognition

- *Adams, D., *Galeucia, C., *Kolesari, J., Carlson, L.A., & Coventry, K. R. (2015). Priming dynamic- kinematic routines using spatial language. *Proceedings of the Cognitive Science Society, Annual Meeting*, Philadelphia, (2015/7).
- Carlson, L.A., *Kolesari, J., *Galeucia, C. & *Adams, D. (2015). Selecting landmarks when giving directions to different addressees on campus. *Proceedings of the Cognitive Science Society, Annual Meeting*, Philadelphia, (2015/7).

Interdisciplinary Research

- *Lugo, J., Schmiedeler, J., Batill, S., & Carlson, L. A. (2014). Relationship between Product Aesthetic Subject Preference and Quantified Gestalt Principles. *ASME 2014 International Design Engineering Technical Conference & Computers and Information in Engineering Conference*, (2014/8/17), V007T07A045-V007T07A045.
- Carlson, L. A., Skubic, M., Miller, J., Huo, Z., & Alexenko, T. (2013). Assessing the effectiveness of older adults' spatial descriptions in a fetch task. *Proceedings of the Cognitive Science Society, Annual Meeting, Berlin*, (2013/7).
- Skubic, M., Huo, Z., Alexenko, T., Carlson, L. A., & Miller, J. (2013). Testing an assistive fetch robot with spatial language from older and younger adults- RO-MAN, 2013 IEEE, 697-702.
- Lugo, J., Batill, S., & Carlson, L. (2012). Modeling Product form Preference Using Gestalt Principles, Semantic Space and Kansei. In *Proceedings of the ASME 2012 International Design Engineering Technical Conference & Computers and Information in Engineering Conference*.
- Skubic, M., Alexenko, T., Huo, Z., Carlson, L. A., & *Miller, J. (2012). Investigating spatial language for robot fetch commands. Grounding Language for Physical Systems. AAAI Technical Report WS-12-07. Workshops at the Twenty-Sixth AAAI Conference on Artificial Intelligence.
- Skubic, M., Zhiyu, H., Carlson, L. A., Li, X. O., & *Miller, J. (2011). Human-driven spatial language for human-robot interaction. *Human-Robot Interaction in ElderCare: Papers from the 2011 AAAI Workshops (WS-11-12)*. Twenty-fifth AAAI Conference on Artificial Intelligence.

INVITED BOOK CHAPTERS WITH PEER REVIEW

Spatial Cognition

- *Schultheis, H. & Carlson, L. A. (2013). Spatial Reasoning. *Oxford Handbook of Cognitive Psychology*, D. Reisberg (Ed.). Oxford University Press. DOI:10.1093/oxfordhb/9780195376746.013.0045
- *Miller, J. E., & Carlson, L. A. (2012). Functional Effects in Spatial Language. Y. Coello & A. Bartolo (Eds.). *Language and action in the cognitive neurosciences*. Psychology Press, (2012/12/7), 193.
- Carlson, L. A. Parsing space around objects (2010). In V. Evans & P. Chilton (Eds.). *Language, Cognition, and Space: The state of the art and new directions*. Advances in Cognitive Linguistics Series, Equinox Publishers.
- Carlson, L. A. (2010). Encoding space in spatial language. *Spatial Foundations of Cognition and Language* (p. 157-187) (Eds, K. S. Mix, L. B. Smith & M. Graesser), Language and Space Series (General Editor, E. van der Zee), Oxford University Press.
- Carlson, L. A. & *Hill, P. L. (2009). Formulating spatial descriptions across various dialogue contexts (pg. 89-103). In K. Coventry, T. Tenbrink, & J. Bateman (Eds.). *Spatial language and Dialogue*, Language and Space Series, Oxford University Press.
- Carlson, L. A. Commentator on "Thinking and Talking about Space". (2007). In J. Plumert & J. Spencer (Eds.). *The emerging spatial mind*, pp. 248-263. Oxford University Press.
- Carlson, L. A. & *Hill, P. L. (2007). Experimental methods for studying language and space. In M. Gonzalez-Marquez, I. Mittelberg, S. Coulson, & M. Spivey (Eds.) *Methods in Cognitive Linguistics*, pp. 250-276, Amsterdam: John Benjamins.
- Carlson, L. A. & Logan, G. D. (2005). Attention and spatial language. In L. Itti, G. Rees, & J. Tsotsos (Eds.). *Neurobiology of attention* (pp. 330-336). Academic Press.
- Carlson, L. A & †Kenny, R. (2005). Constraints on Spatial Language Comprehension. In D. Pecher & R. A. Zwaan (Eds), *The Grounding of Cognition: The role of perception and action in memory, language and thinking* (pp. 35-64). Cambridge University Press.

- Carlson, L. A., Regier, T., & *Covey, E. S. (2003). Defining spatial relations: Reconciling axis and vector representations. In E. van der Zee & J. Slack (Eds.), *Representing direction in language and space* (pp. 111-131). Oxford University Press.
- Carlson, L. A. (2000). Object use and object location: The effect of function on spatial relations. In E. vander Zee & U. Niskanen (Eds.) *Cognitive interfaces: Constraints on linking cognitive information* (pp 94-115). Oxford University Press.

Visual Perception and Attention

- Carlson, L. A. (2010). Top-down and bottom-up processing. In B. Goldstein (Ed.), *Encyclopedia of Perception*, Sage.
- Carr, T.H., Dagenbach, D., Van Wieren, D. L., Carlson-Radvansky, L. A., Alejano, A., & Brown, J. (1994). Acquiring general knowledge from specific episodes of experience. In C. Umiltà & M. Moscovitch (Eds.) *Attention and Performance XV: Conscious and nonconscious information processing* (p. 697-724). MIT Press.

Interdisciplinary Research

- Shelton, A., Marchette, S., Holscher, C., ^Nelligan, B., Shipley, T., & Carlson, L. (2016). Why people get lost in the Seattle Central Library. In R. C. Dalton & C. Holscher (Eds). *Take one building: Interdisciplinary Research Perspectives of the Seattle Central Library*. Routledge.

OTHER PUBLICATIONS

Spatial Cognition

- Carlson, L. A. (2004). On the “whats” and “hows” of “where” Review of K. Coventry & P. Olivier (Eds.). *Spatial Language: Cognitive and computational perspectives* Dordrecht: Kluwer Academic Publishers, 2002. *Contemporary Psychology*, 49, 482-485.
- Carlson-Radvansky, L. A. (1997). Room to talk: The language/space interface. Review of P. Bloom, M. A. Peterson, L. Nadel, and M. Garrett (Eds.), *Language and space* Cambridge, MA: MIT Press, 1996. *Contemporary Psychology*, 42, 1116.

Visual Perception and Attention

- Carlson, L. A., McCandliss, B., Alejano, A. & Carr, T. H. (1990). Does attention control the context specificity of repetition benefits in oral reading? *Bulletin of the Psychonomic Society*, 28, 488-488.

Interdisciplinary Research

- Carlson, L. A. and *Covell, E. R. (2004). Defining functional features for spatial language. In L. Carlson & E. van der Zee (Eds.). *Functional features in language and space: Insights from perception, categorization and development*. Oxford University Press.
- Regier, T., Carlson, L. A., & Corrigan, B. (2004). Attention in spatial language: Bridging geometry and function. In L. Carlson & E. van der Zee (Eds.). *Functional features in language and space: Insights from perception, categorization and development*. Oxford University Press.
- Regier, T. & Carlson, L. A. (2002). Spatial language: Perceptual constraints and linguistic variation. In N. Stein, P. Bauer, and M. Rabinowitz (Eds.), *Representation, Memory, and Development: Essays in Honor of Jean Mandler* (199-222), Lawrence Erlbaum, Mahwah, NJ.

Other

- Carlson, L. A. (2004). On Applying the Science of Psychology to Life: A Research Methods Primer. In G. Howard (Ed.). *For the love of teaching*. Academic Publications, Notre Dame, IN.

SAMPLE INVITED LECTURES, ADDRESSES AND ENGAGEMENTS (since 2010)

- Carlson, L. A. (2019). Cultivating the Alumni Base: Friend-raising to Fundraising. Dean's Toolbox Presentation the Summer Annual Meeting of the Council of Graduate Schools, July.
- Carlson, L. A. (2018). Data Visualization for Analyzing Career Pathways, Council of Graduate Schools Annual Meeting, December.
- Carlson, L. A. (2018). Invited Speaker for CLASP Workshop on Dialogue and Perception, Gothenburg, Sweden.
- Carlson, L. A. (2018). Invited speaker at Psychological Scientists as Academic Leaders Symposium, Association for Psychological Science, San Francisco.
- Carlson, L. A. (2017-present). Invited Participant in Human Factors in Forensic Practice Sourcebook Working Group, sponsored by RTI.
- Carlson, L. A. (2017). Participant in Pre-Workshop Internships, Practicums, and Other Models of Immersive Professional Development, Council of Graduate Schools Annual Meeting, Scottsdale, AZ.
- Carlson, L. A. (2016). Open Questions for Reference Frames use in the Domains of Language, Culture, and Environment. Invited talk at Universals and Variation in Spatial Referencing across Cultures and Languages, NSF Specialist Meeting, UC Santa Barbara.
- Carlson, L. A. (2016). Spatial Processing. Invited talk at Human Factors in Forensic Practice Sourcebook Working Group. Research Triangle Institute.
- Carlson, L. A. (2016): Presentation. Association for Women in Science, Notre Dame, IN, January 21, 2016.
- Carlson, L. A. (2014). Why we get lost, Notre Dame Alumni Association Football Friday Lecture, Notre Dame, IN, October 3, 2014.
- Carlson, L. A., Skubic, M., Miller, J., Huo, Z., & Alexenko, T. (2013). Assessing the effectiveness of older adults' spatial descriptions in a fetch task. Presented at Cognitive Science Society, Annual Meeting, Berlin. (read by Tim Shipley)
- Carlson, L. A. (2013). Deciding to be Green. Hesburgh Lecture presented to the Las Vegas Notre Dame Club.
- Carlson, L. A. (2013). Deciding to be Green. Hesburgh Lecture presented to the Greater Baltimore Notre Dame Club.
- Carlson, L.A. (2012). Invited participant at NSF-funded Specialist meeting: Spatial thinking across the college curriculum. December, Santa Barbara, CA.
- Carlson, L.A. (2011-2012). Member of the Inaugural ND Lead Class, Notre Dame, IN. Carlson, L.A. & Shelton, A. (2011). Organizers for Symposium to be given at Psychonomics: Wayfinding in the Seattle Public Library: What can we learn about navigational styles? Seattle, Washington, November.
- Carlson, L. A. (2011). Wayfinding in the Seattle Central Public Library: Methodology. Paper presented in symposium at the Psychonomic conference in Seattle, WA, November.
- Carlson, L. A. (2011). Wayfinding in the Seattle Central Public Library. Invited paper presented at the Spatial Cognition and Architectural Design conference, New York, NY, November.
- Carlson, L. A., Hoelscher, C. & Shipley, T., (2011). Navigating in buildings: Building features, cognitive maps and individual differences. Paper presented as part of a symposium entitled "Where are we now?: Understanding spatial skills, strategies, and navigation. Association for Psychological Science, Washington, D.C.
- Carlson, L. A. (2011). Deciding to be Green. Hesburgh Lecture, University of Tennessee at Chattanooga, October, 2011.
- Carlson, L. A. (2011). Deciding to be Green. Hesburgh Lecture, Seton Hill University, October, 2011
- Carlson, L. A. (2011). Project Leader for weeklong intensive, Experimental Methods in Cognitive Linguistics (EMCL 5.2), University of Chicago, June, 2011.
- Carlson, L. A. (2011). Wayfinding in buildings. Invited address at the Dublin Institute of Technology, Computational Linguistics Group, Dublin, Ireland, May, 2011.
- Carlson, L. A., Hölscher, C., Shipley, T. & Conroy Dalton, R. (2011). A Spatial Cognition Framework for Understanding Wayfinding in Buildings. Talk at the intensive "Design Implications of Spatial Cognition Research", EDRA MOVE, EDRA 42 Chicago, May 2011.
- Carlson, L. A. (2010). Getting lost in buildings. Presentation at the Building Complexity, Spatial Cognition and Individual Differences Panel for the School of the Built and Natural Environment and the Cognition and Communication Research Center in the School of Psychology and Sport Science,

Northumbria University, Newcastle, UK, September, 2010.
 Carlson, L. A. (2010). Encoding the locations of objects during navigation. University of Freiburg, Germany, April, 2010.
 Carlson, L. A. (2010). Deciding to be Green, Hesburgh Lecture, Alvernia University, April, 2010. Carlson, L. A. (2010). Deciding to be Green, Hesburgh Lecture, Stockton College of New Jersey, April, 2010.

SAMPLE CONFERENCE PRESENTATIONS (SINCE 2010)

- Carlson, L. A., Kennedy, J., Zeller, K., & Busey, T. (2018). Communication during a forensic case: A task analysis and conceptual model. Paper presented at the 2018 Psychonomic Society meeting in New Orleans, LA
- *Kolesari, J. & Carlson, L. A. (2017). How features of contextual events alter the interpretations of before and after. Poster presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- *Kolesari, J., Lynch, D., Schmiedeler, J., and Carlson, L. (2016). Reaching to an Illusion Using Spatial Reference Frames. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- *Kolesari, J. & Carlson, L. (2016). Mapping Time onto a Spatial Reference Frame. Poster presented at 2016 Spatial Cognition Conference, Philadelphia, PA.
- *Nelligan, B., & Amorati, A., *Adams, D., *Galeucia, C. and Carlson, L. (2016). How spatial ability and stress impact escape path. Poster presented at the 2016 Spatial Cognition Conference, Philadelphia, PA.
- *Adams, D., Amorati, A. R., *Galeucia, C., & Carlson, L. A. (2015). Navigating in an emergency: the effects of stress and spatial ability. Poster presented at the Psychonomic Society's 56th Annual Meeting, Chicago, IL.
- *Adams, D., *Galeucia, C., *Kolesari, J., Carlson, L. A., & Coventry, K. (2015). Priming dynamic-kinematic routines using spatial language. Poster presented at the Annual Meeting of The Cognitive Science Society, Pasadena, CA.
- Carlson, L. A., *Kolesari, J., *Galeucia, C., & *Adams, D. (2015). Selecting landmarks when giving directions to different addressees on campus. Poster presented at the Annual Meeting of The Cognitive Science Society, Pasadena, CA.
- Carlson, L. A., *Kolesari, J., *Galeucia, C., & *Adams, D. (2015). Selecting landmarks when giving directions to different addressees on campus. Poster presented at the Psychonomic Society's 56th Annual Meeting, Chicago, IL.
- *Galeucia, C., Adams, D., Carlson, L. A., Miller, J., & Tenbrink, T. (2015). Choosing landmarks at intersections: navigational versus perceptual salience. Poster presented at the Psychonomic Society's 56th Annual Meeting, Chicago, IL.
- *Adams, D., *Galeucia, C., *Kolesari, J., Carlson, L. A., & Coventry, K. (2014). Evidence for dynamic-kinematic routines in the use of spatial terms. Psychonomic Society's 55th Annual Meeting, Long Beach, CA, November 21, 2014.
- *Kolesari, J., Carlson, L. A. (2014). Using space to understand time. Psychonomic Society's 55th Annual Meeting, Long Beach, CA, November 21, 2014.
- *Galeucia, C., & Carlson, L. A. (2014). The effect of interaction on the selection of reference objects. Psychonomic Society's 55th Annual Meeting, Long Beach, CA, November 21, 2014.
- Carlson, L. A., Skubic, M., Miller, J., Huo, Z., & Alexenko, T. (2013). Assessing the effectiveness of older adults' spatial descriptions in a fetch task. Presented at Cognitive Science Society, Annual Meeting, Berlin. (read by Tim Shipley)
- Carlson, L. A., Skubic, M., *Miller, J., *Huo, Z., & *Li, X. (2011). A corpus of spatial descriptions for the development of human-driven spatial language robot algorithms. Poster to be presented at the 52nd Annual meeting of the Psychonomic Society, Seattle, WA, November, 2011.
- Carlson, L. A. & *Miller, J. (2011). Defining salience for landmark selection. Poster to be presented at the Cognitive Science Society Annual Meeting, Boston, July, 2011.
- Carlson, L. A., Hölscher, C., & Shipley, T. Navigating in Buildings: Building Features, Cognitive Maps, and Individual Differences. Talk presented as part of the symposium "Where Are We Now?: Understanding Spatial Skills, Strategies, and Navigation," Annual Meeting of the Association for Psychological Science, Washington, DC, May, 2011.

- Carlson, L. A., Shipley, T., *Li, X., Hölscher, C. (2010). Learning about objects along a route through a novel environment. Presentation at the 51st Annual meeting of the Psychonomic Society.
- Carlson, L. A., Shipley, T., *Li, X. & Hölscher, C. (2010). Why some people get lost in buildings. Paper presented at the unusual bodies and uncommon behaviors workshop at Spatial Cognition Conference, August, 2010, Portland, OR.
- *Schultheis, H. & Carlson, L. A. (2010) "Towards a Comprehensive Computational Model of Spatial Term Use" Poster presented at Spatial Cognition Conference, August, 2010, Portland, OR.
- *Li, X., Carlson, L. A., & Mou, W. (2010). Describing spatial locations from perception and memory: The effect of spatial reference directions on reference object selection" Poster presented at Spatial Cognition Conference, August, 2010, Portland, OR.
- †Mickey, K., Carlson, L. A., & Freundsuh, S. (2010). "Location, Location, Location: Environmental constraints on interpreting spatial terms". Poster presented at the Annual Cognitive Science Society Conference, 2010, Portland, OR.
- *Schultheis, H., Carlson, L.A., & Abrams, R. (2010). Attention for Action: Attentional Modulation by the Hands. Poster presented at Spatial Cognition Conference, August, 2010, Portland, OR.