

## VITA

Chad J. Marsolek

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### **PERSONAL**

Date of Birth: 17 May 1966  
Citizenship: U.S.A.

### **EDUCATION**

1984-1988 B. A. summa cum laude in psychology, University of Minnesota, Minneapolis, MN.  
1988-1992 A. M. in cognitive psychology, Harvard University, Cambridge, MA.  
Ph.D. in cognitive psychology, Harvard University, Cambridge, MA.  
Minors in behavioral neuroscience and philosophy.

### **PROFESSIONAL APPOINTMENTS**

1992-1996 Assistant Professor of Psychology, University of Arizona, Tucson, AZ.  
Faculty Member, McDonnell-Pew Cognitive Neuroscience Center.  
Faculty Member, Program in Neuroscience.  
1996-1999 Assistant Professor of Psychology, University of Minnesota, Minneapolis, MN.  
Faculty Member, Center for Cognitive Sciences.  
Faculty Member, interdisciplinary minor in Cognitive Science.  
Full Member, Graduate Faculty.  
1999-present Associate Professor of Psychology, University of Minnesota, Minneapolis, MN.  
Director, Cognitive and Biological Psychology, University of Minnesota, Minneapolis, MN.  
Governing Council Member, Center for Cognitive Sciences.  
Faculty Member, interdisciplinary minor in Cognitive Science.  
Full Member, Graduate Faculty.

### **HONORS AND AWARDS**

1988 Summa Cum Laude in Psychology, University of Minnesota.  
1988-1990 William James Merit Fellowship, Harvard University.  
1989-1992 Jacob K. Javits Graduate Fellowship, U. S. Department of Education.  
1996 Young Investigator Award, American Psychological Association (Division 3).

#### **GRANTS AWARDED (EXTRAMURAL)**

- 1995-1996      **Principal Investigator:** National Institute of Mental Health; *B/START Award*, \$37,714.
- 1998-2003      Program Faculty: National Institute of Child Health and Human Development; *Center for Cognitive Sciences Training Grant*; \$1.7 million (PI: Al Yonas).
- 2000-2003      **Principal Investigator:** National Institute of Mental Health; *Visual Object Recognition of Categories and Exemplars*; \$135,054.
- 2003-2008      Program Faculty: National Science Foundation; *REU Site in the Behavioral and Cognitive Sciences*; \$454,971 (PI: Herbert Pick).
- 2003-2006      **Principal Investigator:** National Institute of Mental Health; *Emotion and Memory*; \$137,663.
- 2004-2009      Program Faculty: National Institutes of Health; *Interdisciplinary Training Program in Cognitive Science*; \$3.1 million (PI: Gordon Legge).

#### **GRANTS BEING REVISED FOR RESUBMISSION (EXTRAMURAL)**

- 2006-2009      **Principal Investigator:** National Institute of Mental Health; *Visual Anti-Priming*; \$627,875.
- 2006-2009      **Principal Investigator:** National Science Foundation; *Stereotyping and Individuating*; \$465,267.

#### **GRANTS AWARDED (INTRAMURAL)**

- 1993            **Principal Investigator:** Social and Behavioral Sciences Research Institute, University of Arizona: *Small Grant*; \$1,500.
- 1993            **Principal Investigator:** Social and Behavioral Sciences Research Institute, University of Arizona: *Summer Stipend for Grant Proposal Development*; \$5,000.
- 1993-1994      **Principal Investigator:** University of Arizona Foundation, University of Arizona: *Small Grant*; \$4,910.
- 1994            **Principal Investigator:** Social and Behavioral Sciences Research Institute, University of Arizona: *Small Grant*; \$1,500.
- 1995            **Principal Investigator:** Social and Behavioral Sciences Research Institute, University of Arizona: *Small Grant*; \$1,500.
- 1996-1997      **Principal Investigator:** Office of the Vice President for Research and Dean of the Graduate School, University of Minnesota: *Grant-in-Aid of Research, Artistry, and Scholarship*; \$23,600.
- 1997-1998      **Principal Investigator:** Office of the Vice President for Research and Dean of the Graduate School, University of Minnesota: *Grant-in-Aid of Research, Artistry, and Scholarship*; \$21,620.
- 1999-2001      Co-Investigator: New Initiatives in Interdisciplinary Research and Postbaccalaureate Education, University of Minnesota; *Cognitive neuroscience and brain imaging program*; \$102,392 (PI: Daniel J. Kersten).

#### **PUBLICATIONS**

- Fletcher, C. R., Hummel, J. E., & Marsolek, C. J. (1990). Causality and the allocation of attention during comprehension. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 16, 233-240.
- Marsolek, C. J. (1990). Why the computations must not be ignored. *Behavioral and Brain Sciences*, 13, 554-555.

- O'Reilly, R. C., Kosslyn, S. M., Marsolek, C. J., & Chabris, C. F. (1990). Receptive field characteristics that allow parietal lobe neurons to encode spatial properties of visual input: A computational analysis. *Journal of Cognitive Neuroscience*, 2, 141-155.
- Kosslyn, S. M., Chabris, C. F., Marsolek, C. J., & Koenig, O. (1992). Categorical versus coordinate spatial relations: Computational analyses and computer simulations. *Journal of Experimental Psychology: Human Perception and Performance*, 18, 562-577.
- Marsolek, C. J. (1992). *Visual form systems in the cerebral hemispheres*. Doctoral dissertation. Harvard University, Cambridge, MA.
- Marsolek, C. J., & Kosslyn, S. M. (1992). Mental imagery representation. In S. C. Shapiro (Ed.), *Encyclopedia of artificial intelligence. Second edition* (pp. 928-931). New York: Wiley.
- Marsolek, C. J., Kosslyn, S. M., & Squire, L. R. (1992). Form-specific visual priming in the right cerebral hemisphere. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 18, 492-508.
- Marsolek, C. J. (1994). Implementational constraints on human learning and memory systems. *Behavioral and Brain Sciences*, 17, 411-412.
- Marsolek, C. J., Squire, L. R., Kosslyn, S. M., & Lulenski, M. E. (1994). Form-specific explicit and implicit memory in the right cerebral hemisphere. *Neuropsychology*, 8, 588-597.
- Kosslyn, S. M., Chabris, C. F., Marsolek, C. J., Jacobs, R. & Koenig, O. (1995). On computational evidence for different types of spatial relations encoding: Reply to Cook et al. (1995). *Journal of Experimental Psychology: Human Perception and Performance*, 21, 423-431.
- Marsolek, C. J. (1995). Abstract visual-form representations in the left cerebral hemisphere. *Journal of Experimental Psychology: Human Perception and Performance*, 21, 375-386.
- Marsolek, C. J., Schacter, D. L., & Nicholas, C. D. (1996). Form-specific visual priming for new associations in the right cerebral hemisphere. *Memory & Cognition*, 24, 539-556.
- Burgund, E. D., & Marsolek, C. J. (1997). Letter-case specific priming in the right cerebral hemisphere with a form-specific perceptual identification task. *Brain and Cognition*, 35, 239-258.
- Marsolek, C. J., & Burgund E. D. (1997). Computational analyses and hemispheric asymmetries in visual-form recognition. In S. Christman (Ed.), *Cerebral asymmetries in sensory and perceptual processing* (pp. 125-158). Amsterdam: Elsevier.
- Andresen, D. R., & Marsolek, C. J. (1998). Chorus of  $k$  prototypes or discord of contradictory representations? *Behavioral and Brain Sciences*, 21, 467-468.
- Burgund, E. D., & Marsolek, C. J. (1998). Fixed versus flexible features in dissociable neural processing subsystems. *Behavioral and Brain Sciences*, 21, 21-22.
- Marsolek, C. J. (1999). Dissociable neural subsystems underlie abstract and specific object recognition. *Psychological Science*, 10, 111-118.

- Marsolek, C. J., & Field, J. E. (1999). Perceptual-motor sequence learning of general regularities and specific sequences. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 815-836.
- Marsolek, C. J., & Hudson, T. E. (1999). Task and stimulus demands influence letter-case specific priming in the right cerebral hemisphere. *Laterality*, *4*, 127-147.
- Westerberg, C. E., & Marsolek, C. J. (1999). Questioning explicit properties of implicit individuals in knowledge representation. *Behavioral and Brain Sciences*, *22*, 788-789.
- Burgund, E. D., & Marsolek, C. J. (2000). Viewpoint-invariant and viewpoint-dependent object recognition in dissociable neural subsystems. *Psychonomic Bulletin & Review*, *7*, 480-489.
- van den Broek, P., Linzie, B., Fletcher, C., & Marsolek, C. (2000). The role of causal discourse structure in narrative writing. *Memory & Cognition*, *28*, 711-721.
- Amiri, H., & Marsolek, C. J. (2002). Depicting second-order isomorphism and “depictive” representations. *Behavioral and Brain Sciences*, *25*, 182-183.
- Marsolek, C. J., Nicholas, C. D., & Andresen, D. R. (2002). Interhemispheric communication of abstract and specific visual-form information. *Neuropsychologia*, *40*, 1983-1999.
- Bowers, J. S., & Marsolek, C. J. (Eds.). (2003). *Rethinking implicit memory*. Oxford: Oxford University Press.
- Bowers, J. S., & Marsolek, C. J. (2003). The status of implicit memory. In J. S. Bowers & C. J. Marsolek (Eds.), *Rethinking implicit memory* (pp. vii-ix). Oxford: Oxford University Press.
- Burgund, E. D., Marsolek, C. J., & Luciana, M. (2003). Serotonin levels influence patterns of repetition priming. *Neuropsychology*, *17*, 161-170.
- Marsolek, C. J. (2003). What is priming and why? In J. S. Bowers & C. J. Marsolek (Eds.), *Rethinking implicit memory* (pp. 41-64). Oxford: Oxford University Press.
- Marsolek, C. J., & Burgund, E. D. (2003). Visual recognition and priming of incomplete objects: The influence of stimulus and task demands. In J. S. Bowers & C. J. Marsolek (Eds.), *Rethinking implicit memory* (pp. 139-156). Oxford: Oxford University Press.
- Westerberg, C. E., & Marsolek, C. J. (2003-a). Hemispheric asymmetries in memory processes as measured in a false recognition paradigm. *Cortex*, *39*, 627-642.
- Westerberg, C. E., & Marsolek, C. J. (2003-b). Sensitivity reductions in false recognition: A measure of false memories with stronger theoretical implications. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *29*, 747-759.
- Marsolek, C. J. (2004). Abstractionist versus exemplar-based theories of visual word priming: A subsystems resolution. *The Quarterly Journal of Experimental Psychology*, *57*, 1233-1259.
- Deason, R. G., & Marsolek, C. J. (2005). A critical boundary to the left-hemisphere advantage in visual word processing. *Brain and Language*, *92*, 251-261.

- Marsolek, C. J., & Andresen, D. R. (2005). Interactive visual and postvisual processes and their roles in form-specific memory. *Canadian Journal of Experimental Psychology*, 59, 109-123.
- Marsolek, C. J., & Burgund, E. D. (2005). Initial storage of unfamiliar objects: Examining memory stores with signal detection analyses. *Acta Psychologica*, 119, 81–106.
- Andresen, D. R., & Marsolek, C. J. (in press). Does a causal relation exist between the functional hemispheric asymmetries of visual processing subsystems? *Brain and Cognition*.
- Deason, R. G., Andresen, D. R., & Marsolek, C. J. (in press). Causal relations between asymmetries at the individual level? *Behavioral and Brain Sciences*.
- Sundermeier, B. A., Virtue, S. M., Marsolek, C. J., & van den Broek, P. (in press). Evidence for dissociable neural mechanisms underlying inference generation in familiar and less-familiar scenarios. *Brain and Language*.
- Westerberg, C. E., & Marsolek, C. J. (in press). Do instructional warnings reduce false recognition? *Applied Cognitive Psychology*.

#### **SUBMITTED FOR PUBLICATION**

- Andresen, D. R., & Marsolek, C. J. (2005). *What predicts when interhemispheric transfer will detrimentally affect task performance?* Manuscript submitted for publication. *Journal of the International Neuropsychological Society*.
- Marsolek, C. J., Schnyer, D. M., Deason, R. G., Ritchey, M., Verfaellie, M. (2005). *Visual anti-priming: Evidence that repetition priming has a mechanistic purpose.* Manuscript submitted for publication. *Nature Neuroscience*.
- Snyder, K. A., Blank, M. P., & Marsolek, C. J. (2005). *Converging evidence for a dissociation between preferential looking in the visual-paired comparison task and recognition memory.* Manuscript submitted for publication. *Developmental Science*.
- Westerberg, C. E., Steele, V. R., & Marsolek, C. J. (2005). *Reversing presentation order of semantically related words reverses memory.* Manuscript submitted for publication. *Memory*.

#### **CONFERENCE PRESENTATIONS**

- van den Broek, P., Fletcher, C. R., & Marsolek, C. J. (1989, March). *Cognitive processes in the composition of narrative texts: The role of causal reasoning.* Presented at the American Educational Research Association Conference, San Francisco, CA.
- Marsolek, C. J. (1990, June). *Why are “what” and “where” processed by separate cortical visual systems? A neural network demonstration.* Laboratory presentation for the James S. McDonnell Foundation Summer Institute in Cognitive Neuroscience, Dartmouth College and Medical School, Hanover, NH.
- Marsolek, C. J. (1993, March). *Template matching in the right cerebral hemisphere?* Presented at the Southwest Cognitive Science Conference, Tucson, AZ.
- Marsolek, C. J. (1994, March). *Computational incompatibility for processing specific- vs. abstract-visual-form information.* Presented at the Cognitive Neuroscience Society Inaugural Meeting, San Francisco, CA.

- Marsolek, C. J., Ecker, B. C., Ewald, B. J., Stoltz, E. L., Wright, M. E., & Nicholas, C. D. (1995, November). *Letter-case similarity and backward pattern masking modulate form-specific priming in the cerebral hemispheres*. Presented at the Psychonomic Society Annual Meeting, Los Angeles, CA.
- Burgund, E. D., & Marsolek, C. J. (1996, April). *Letter-case specific priming in the right cerebral hemisphere in a modified perceptual identification task*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Field, J. E., & Marsolek, C. J. (1996, April). *Functional dissociation between specific-item and general-regularity effects in sensorimotor skill acquisition*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Nicholas, C. D., & Marsolek, C. J. (1996, April). *Differential interhemispheric transfer for abstract and specific visual-form information*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Burgund, E. D., & Marsolek, C. J. (1996, November). *Differential same-exemplar priming across hemispheres for unfamiliar possible and impossible objects*. Presented at the Psychonomic Society Annual Meeting, Chicago, IL.
- Field, J. E., & Marsolek, C. J. (1997, March). *Specific and general effects in sensorimotor sequence learning*. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Hudson, T. E., & Marsolek, C. J. (1997, March). *Resolving test-case dependent and test-case independent effects in letter-case specific priming in the right cerebral hemisphere*. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Nicholas, C. D., & Marsolek, C. J. (1997, March). *Interhemispheric transfer of abstract and specific visual information*. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Marsolek, C. J. (1997, November). *Object recognition in dissociable abstract and specific neural subsystems*. Presented at the Psychonomic Society Annual Meeting, Philadelphia, PA.
- Andresen, D. R., & Marsolek, C. J. (1998, March). *Interhemispheric transfer of unfamiliar visual-form information: Behavioral data and neural network simulations*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 10 (Suppl.), 21.
- Burgund, E. D., & Marsolek, C. J. (1998, March). *Viewpoint-dependent priming of familiar depth-rotated objects in a form-specific task*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 10 (Suppl.), 21.
- Marsolek, C. J., & Andresen, D. R. (1998, March). *Weak modularity of perceptual and conceptual subsystems reflected in masked word-stem completion memory*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 10 (Suppl.), 55.
- Andresen, D. R., & Marsolek, C. J. (1998, November). *Computational properties of interhemispheric communication between abstract and specific visual-form subsystems*. Presented at the Annual Pre-Psychonomics Workshop on Object Perception and Memory, Dallas, TX.
- Burgund, E. D., & Marsolek, C. J. (1998, November). *Dissociable mechanisms for priming of planar-rotated unfamiliar objects*. Presented at the Annual Pre-Psychonomics Workshop on Object Perception and Memory, Dallas, TX.

- Parkhurst, D., & Marsolek, C. J. (1998, November). *Temporal characteristics of visual object processing in the cerebral hemispheres*. Presented at the Psychonomic Society Annual Meeting, Dallas, TX.
- Andresen, D. R., & Marsolek, C. J. (1999, April). *What, if any, relation exists between the lateralizations of subsystems across the cerebral hemispheres?* Presented at the Cognitive Neuroscience Society Annual Meeting, Washington, DC. *Journal of Cognitive Neuroscience*, 11 (Suppl.), 42.
- Marsolek, C. J., & Burgund, E. D. (1999, April). *Visual recognition of incomplete objects: Evidence against parts-only recognition of object exemplars*. Presented at the Cognitive Neuroscience Society Annual Meeting, Washington, DC. *Journal of Cognitive Neuroscience*, 11 (Suppl.), 77.
- Marsolek, C. J., Jax, S. A., Andresen, D. R., Burgund, E. D., Westerberg, C. E., & Henrickson, B. J. (1999, November). *Contradictory neurocomputational properties for abstract-category and specific-exemplar object recognition*. Presented at the Psychonomic Society Annual Meeting, Los Angeles, CA.
- Andresen, D. R., & Marsolek, C. J. (2000, April). *Consolidation in specific perceptual-motor sequence learning*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 12 (Suppl.), 130.
- Burgund, E. D., Marsolek, C. J., & Luciana, M. M. (2000, April). *The role of serotonin in abstract and specific visual-form priming*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 12 (Suppl.), 130.
- Westerberg, C. E., & Marsolek, C. J. (2000, April). *What mechanisms underlie false recognition?* Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 12 (Suppl.), 140.
- Andresen, D. R., & Marsolek, C. J. (2000, November). *Consolidation from no discernible explicit memory to significant explicit memory*. Presented at the Psychonomic Society Annual Meeting, New Orleans, LA.
- Sundermeier, B. A., Virtue, S., van den Broek, P., Marsolek, C. J., & Linderholm, T. (2000, November). *Hemispheric asymmetries for connecting and predictive inferences: The role of causal constraint and textual familiarity*. Presented at the Psychonomic Society Annual Meeting, New Orleans, LA.
- Westerberg, C. E., & Marsolek, C. J. (2001, March). *Sensitivity effects in false memory*. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 13 (Suppl.), 33.
- Elo, L. C., Amiri, H., & Marsolek, C. J. (2001, May). *What creates the flash in flashback memories?* Presented at the conference, Mind and Emotion: From the Molecular to the Cultural, Minneapolis, MN.
- Marsolek, C. J. (2001, July). *Integrating neurocomputational and neuroimaging evidence to explain repetition priming*. Invited symposium presentation at the International Conference on Memory III, Valencia, Spain.
- Amiri, H., Elo, L. C., & Marsolek, C. J. (2001, November). *What creates the flash in flashback memories?* Presented at the Annual Pre-Psychonomics Conference on Object Perception and Memory, Orlando, FL.
- Andresen, D. R., Westerberg, C. E., Marsolek, C. J., Zhuang, J. & Hu, X. (2001, November). *Relating fMRI signals with computational properties of visual object recognition and priming*. Presented at the Annual Meeting of the Psychonomic Society, Orlando, FL.

- Westerberg, C. E., Andresen, D. R., Stevenson, W. E., & Marsolek, C. J. (2001, November). *Anti-priming of visual objects*. Presented at the Annual Pre-Psychonomics Conference on Object Perception and Memory, Orlando, FL.
- Burgund, E. D., Elo, L. C., & Marsolek, C. J. (2001, November). *Visual working memory for categories and exemplars of objects*. Presented at the Annual Pre-Psychonomics Conference on Object Perception and Memory, Orlando, FL.
- Amiri, H., & Marsolek, C. J. (2002, April). *The role of arousal, valence, and mood on the reflection-specific enhancement of visual memory: Implications for flashbulb memory mechanisms and PTSD*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 14. (Suppl.), 127.
- Andresen, D. R., & Marsolek, C. J. (2002, April). *Spatial and motor contributions to perceptual-motor sequence learning*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 14. (Suppl.), 116.
- Westerberg, C. E., & Marsolek, C. J. (2002, April). *The influence of warnings on false recognition*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 14. (Suppl.), 161.
- Sundermeier, B. A., Marsolek, C. J., van den Broek, P., & Virtue, S. (2002, June). *Situation familiarity affects hemispheric asymmetries of causal inference generation*. Presented at the Society for Text and Discourse Annual Meeting, Chicago, IL.
- Westerberg, C. E., & Marsolek, C. J. (2002, November). *How do instructional warnings reduce false recognition?* Presented at the Annual Meeting of the Psychonomic Society, Kansas City, MO.
- Andresen, D. R. & Marsolek, C. J. (2003, March). *Interhemispheric transfer of unfamiliar visual form information*. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 15. (Suppl.), 49.
- Deason, R. G., Westerberg, C. E., Capps, J. & Marsolek, C. J. (2003, April). *Visual anti-priming: Superimposed representations of objects and the nature of repetition priming*. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 15. (Suppl.), 181.
- Westerberg, C. E., & Marsolek, C. J. (2003, April). *Can false recognition be reduced through warnings that discourage associative encoding?* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 15. (Suppl.), 178.
- Deason, R. G., Westerberg, C. E., Capps, J. & Marsolek, C. J. (2003, November). *Anti-priming of familiar objects: Does priming have a purpose?* Presented at the Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada.
- Marsolek, C. J., & Andresen, D. R. (2003, November). *No causal relation between the functional hemispheric asymmetries in visual processing streams*. Presented at the Society for Neuroscience Annual Meeting, New Orleans, LA. Program No. 194.17. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2003. Online.

- Bernat, E. M., Marsolek, C. J., Collins, P. F., Steele, V. R., Westerberg, C. E., van den Broek, P., & Patrick, C. J. (2004, April). *Event-related potentials differentiate semantic processes contributing to inferences generated during comprehension*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16. (Suppl.), 208-209.
- Deason, R. G., & Marsolek, C. J. (2004, April). *Letter-case effects in perceptual identification of lateralized words*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16. (Suppl.), 152.
- Marsolek, C. J., Rothman, A. J., Elo, L. C., & Farhat, R. T. (2004, April). *Spontaneous activation and inhibition of gender stereotypes*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16. (Suppl.), 100.
- Snyder, K. A., Blank, M. P., Cheek, D. M., Kuefner, D., & Marsolek, C. J. (2004, April). *Converging evidence for a dissociation between preferential looking in the visual-paired comparison task and recognition memory*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16. (Suppl.), 143-144.
- Westerberg, C. E., Steele, V. R., & Marsolek, C. J. (2004, April). *The effects of presentation order on memory for semantically related words*. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16. (Suppl.), 106.
- Steele, V. R., Collins, P. F., Bernat, E. M., Lando, E. A. H., Marsolek, C. J., Lang, A. R., & Patrick, C. J. (2004, October). *Effects of alcohol on event-related potentials elicited during an inference-based comprehension task*. Presented at the Society for Psychophysiological Research Annual Meeting, Santa Fe, NM.
- Marsolek, C. J., Deason, R. G., & Westerberg, C. E. (2004, November). *Visual anti-priming*. Presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Deason, R. G., & Marsolek, C. J. (2005, April). *Word-to-object anti-priming: Are visual word and visual object representations functionally superimposed?* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17. (Suppl.), 146.
- Park, S. J., Kittur, A. D., Lundgren, E. M., & Marsolek, C. J. (2005, April). *Specificity of memory for emotion-provoking scenes: Picture perfect or picture imperfect?* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17. (Suppl.), 196.
- Schnyer, D. M., Nicholls, L. D., Deason, R. G., Verfaellie, M., & Marsolek, C. J. (2005, April). *Visual anti-priming: Tests of amnesic patients and older controls*. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17. (Suppl.), 137.
- Steele, V. R., Marsolek, C. J., Bernat, E. M., Collins, P. F., Lando, E. A. H., Venables, N. C., van den Broek, P., Lang, A. R., & Patrick, C. J. (2005, April). *Does alcohol intoxication affect comprehension? An event-related potential investigation*. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17. (Suppl.), 171.

#### **INVITED SYMPOSIUM PANEL**

2001 International Conference on Memory III, Valencia, Spain

***INVITED DEPARTMENTAL COLLOQUIA***

Columbia University, Massachusetts Institute of Technology, North Dakota State University, The Ohio State University, The University of Arizona, University of Michigan, University of Minnesota, University of Wisconsin, Madison

***GRADUATE STUDENTS ADVISED (PRIMARY ADVISOR)***

**Former**

E. Darcy Burgund, Ph.D. (Assistant Professor, Rice University)  
Jason E. Field, M.A. (Private Business Venture, Florida)  
Christopher N. Nicholas, Ph.D. (Private Business Venture, Arizona)  
David R. Andresen, Ph.D. (Post-Doctoral Fellow, Stanford University)  
Carmen E. Westerberg, Ph.D. (Post-Doctoral Fellow, Northwestern University)  
Hedy Amiri, M.A. (Pre-Doctoral Fellow, University of Minnesota)

**Current**

Rebecca G. Deason (Pre-Doctoral Fellow, University of Minnesota)  
Michael P. Blank (Pre-Doctoral Fellow, University of Minnesota)  
Alvina D. Kittur (Pre-Doctoral Student, University of Minnesota)  
Susan J. Park (Pre-Doctoral Fellow, University of Minnesota)  
Vaughn R. Steele (Pre-Doctoral Student, University of Minnesota)

***GRADUATE STUDENTS ADVISED (SECONDARY ADVISOR W/ LAB PROJECTS)***

**Current**

Lane A. Beckes (Pre-Doctoral Student, Social Psychology, University of Minnesota)  
Pradeep Ramanathan (Pre-Doctoral Student, Speech/Language/Hearing Sciences, University of Minnesota)

***FORMER UNDERGRADUATE STUDENTS ADVISED (AS PRIMARY ADVISOR)***

Thomas A. Carlson, Ph.D. (Post-Doctoral Fellow, Harvard University)  
Derrick Parkhurst, Ph.D. (Assistant Professor, Iowa State University)  
Kelly A. Snyder, Ph.D. (Assistant Professor, University of Denver)

***STUDY SECTION***

**Grant Agency**

*National Institute of Mental Health (Cognition and Perception)*

## **AD-HOC REVIEWER**

### **Grant Agencies:**

*National Institute of Mental Health*

*National Science Foundation*

*The Wellcome Trust (United Kingdom)*

*Economic and Social Research Council (United Kingdom)*

*Research Grants Council (Hong Kong)*

*Intramural Discovery Grant Program (Vanderbilt University)*

### **Academic Promotions:**

*Haverford College*

*Northwestern University*

*University of California, Los Angeles*

*University of Toledo*

### **Journals:**

*Acta Psychologica; Behavioral and Brain Sciences; Brain and Cognition; Cognition; Cognitive Science; Cognitive, Affective, & Behavioral Neuroscience; Journal of Affective Disorders; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of the International Neuropsychological Society; Journal of Personality and Social Psychology; Laterality; Learning & Memory; Memory & Cognition; Nature Reviews Neuroscience; NeuroImage; Neuropsychologia; Neuropsychology; Perception & Psychophysics; Psychological Review; Psychological Science; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Social Cognition*

### **Publishers:**

*Oxford University Press*

*W. W. Norton & Co.*

*Sinauer Associates, Inc.*

## **PROFESSIONAL SOCIETIES**

American Association for the Advancement of Science

American Psychological Association

American Psychological Society

Cognitive Neuroscience Society

Psychonomic Society

Society for Neuroscience

### **UNIVERSITY SERVICE**

- 1991-1992 Graduate Student Representative, Departmental Graduate Program Committee, Harvard University
- 1993 Ad-Hoc Reviewer, Small Grants Competition, University of Arizona Foundation
- 1993-1995 Departmental Coordinator, United Way Campaign and Food Bank Drive, University of Arizona.
- 1993-1995 Coordinator, Semi-Annual University of Arizona Cognitive Neuroscience Data BlitzKrieg.
- 1994-1995 Member, Departmental Cognitive Faculty Search Committee, University of Arizona
- 1997-1998 Member, Departmental Colloquium Committee, University of Minnesota
- 1997-1998 Member, Departmental Computer & Equipment Committee, University of Minnesota.
- 1997-2000 Member, Departmental Prelim Review Committee, University of Minnesota
- 1998-2002 Member, Departmental Awards Committee, University of Minnesota.
- 1999-2001 Member, University (Cross-College) Psychology/Computer Science & Engineering Joint Faculty Search Committee, University of Minnesota.
- 2002-2003 Member, Undergraduate Research Opportunities Program Committee, College of Liberal Arts, University of Minnesota.
- 2002-2003 Member, Mini-Grants Committee, Center for Cognitive Sciences, University of Minnesota.
- 1999-present Member, Departmental Appointments Committee, University of Minnesota.
- 2001-present Member, Departmental Graduate Studies Committee, University of Minnesota.
- 2001-present Director, Cognitive and Biological Area, Department of Psychology, University of Minnesota.
- 2003-present Elected Member, CLA Assembly, College of Liberal Arts, University of Minnesota.
- 2005-present Member, Ph.D. Program Committee, Center for Cognitive Sciences, University of Minnesota.

### **COMMUNITY SERVICE**

- 2001 *St. Paul Pioneer Press* ("Think you'll never remember all those numbers?", 12 January 2001)
- 2003 KARE-11, Minneapolis-St. Paul, MN ("News Extra" feature, *Improve Your Memory*, 23 February 2003)
- 2003 KARE-11, Minneapolis-St. Paul, MN ("News Extra" feature, *Traffic Quiz*, 16 November 2003)
- 2004 *Minnesota Daily* ("Researchers attempt to find area of brain responsible for love"; 13 February 2004)
- 2004 *CLA Today* (cover story for "Brain research for a smarter world" feature; Spring 2004)

### **TEACHING INTERESTS AND COURSES TAUGHT (REGULAR DAY SCHOOL)**

#### *Semester System (University of Arizona):*

Psychology 472/572: *Human Memory Systems*

Psychology/Philosophy 445/545: *Neural Network Modeling: What & Why*

Psychology 528: *Cognitive Neuroscience*

Psychology 544: *Cognitive Neuropsychology*

#### *Quarter System (University of Minnesota):*

Psychology 3051: *Introduction to Cognitive Psychology*

Psychology 5015: *Cognitive Processes*

Psychology 8970: *Human Learning, Memory, and Cognition Journal Club*

Psychology 8970: *Cognitive Neuroscience: What and Why?*

Psychology 8970: *Implicit Learning*

*Semester System (University of Minnesota):*

Psychology 3051: *Introduction to Cognitive Psychology*

Psychology 4993/8993: *Visual Cognition Laboratory*

Psychology 5015: *Cognition, Computation, and Brain*

Psychology 8055: *Cognitive Neuroscience*

Neuroscience 5561: *Systems Neuroscience (guest lecturer)*

### ***RESEARCH INTERESTS***

Human memory, learning, and vision

Cognitive neuroscience

Affective and social influences on cognitive abilities