

## VITA

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Born:                      January 24, 1961

## EDUCATION

1988                      Ph.D. University of California, Berkeley (major: Cognitive Psychology)  
 1982                      B.A. University of Michigan, Ann Arbor (magna cum laude with Honors)

## AWARDS AND HONORS

2012                      Student Impact Award, University of Toledo

2006-2009                      NSF \* U D Q W                                      <sup>3</sup>, Q G L Y L G X D O ' L I I H U H Q F H V  
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2003-2004                      1 6 ) \* U D Q W                                      <sup>3</sup> + D Q G H G Q H V V ' L I I H U H Q F H V  
    with JD Jasper)

1999                      New Directions Research Grant Award, University of Toledo

1995                      University Research Award & Fellowship, University of Toledo

1993, 1997                      deArce Memorial Fund Award, University of Toledo

1991                      Faculty Research Award & Fellowship, University of Toledo

1990                      Research Program Support Award, University of Toledo

1987                      Chancellor's Dissertation Year Fellowship, University of California, Berkeley

1979-82                      Class Honors, University of Michigan

1978                      Regent's Scholarship, University of Michigan

## PROFESSIONAL EXPERIENCE

2001-present                      Professor of Psychology, University of Toledo

1995-2001                      Associate Professor of Psychology, University of Toledo

1989-1995                      Assistant Professor of Psychology, University of Toledo

1988-89                      Postdoctoral Research Fellow, University of Toledo

1982-87                      Teaching Assistant/Associate (8 semesters), U.C. Berkeley

## PROFESSIONAL AFFILIATIONS

Member, Association for Psychological Science

Member, International Neuropsychological Society

Member, Midwestern Psychological Association

Member, Psychonomic Society

## PROFESSIONAL SERVICE

2003-present                      Action Editor, Brain and Cognition

1998                      Member of NIH Study Section grant reviewing panel, Communicative Disorders

1996-2003                      Member of Editorial Board, Brain and Cognition

1988-present Ad hoc reviewer for >200 papers submitted to 28 journals: Acta Psychologica, Applied Cognitive Psychology, Behavioral Neurology, Brain & Language, Child Development, Consciousness & Cognition, Cortex, Current Directions in Psychological Science, Developmental Neuropsychology, Developmental Psychology, Experimental Brain Research, Journal of Abnormal Psychology, Journal of Behavioral Decision Making, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, JEP: Human Perception & Performance, JEP: Learning Memory & Cognition, Laterality, Memory, Memory & Cognition, Neuropsychologia, Neuropsychology, Perception & Psychophysics, Perceptual & Motor Skills, *Psychology of Religion and Spirituality*, Psychological Science

- Bourgeois, M., Christman, S., & Horowitz, I. (1998). The role of hemispheric activation in stereotyping versus individuation: Evidence for two separate subsystems in person perception. *Brain and Cognition*, 38, 202-219.
- Niebauer, C., & Christman, S. (1999). Upper and lower visual field differences in categorical and coordinate judgments. *Psychonomic Bulletin & Review*, 6, 147-151.
- Propper, R., Christman, S., & Tirre, W. (1998). Effect of familial sinistrality on performance of episodic/explicit and semantic/implicit memory tasks. *Brain and Cognition*, 37, 13-15.
- Ziems, D., & Christman, S. (1998). Effects of mood on color perception as a function of valence and arousal dimension. *Perceptual and Motor Skills*, 87, 531-535.
- Propper, R.E., & Christman, S. (1999). A test of the HERA model II: Objects as stimuli. *Brain and Cognition*, 40, 227-229.
- Niebauer, C., & Christman, S. (1999). Visual field differences in spatial frequency discrimination. *Brain and Cognition*, 41, 381-389.
- Christman, S.D. (2001). Individual differences in Stroop and local/global processing: A possible role of interhemispheric interaction. *Brain and Cognition*, 45, 97-118.
- Christman, S.D., & Propper, R.E. (2001). Superior episodic memory is associated with interhemispheric processing. *Neuropsychology*, 15, 607-616.
- Propper, R.E., & Christman, S.D. (2002). Individual differences in recognition memory: Strength of handedness and know/remember judgments. *Brain and Cognition*, 48, 251.
- Ince, E., & Christman, S.D. (2002). Semantic representation of meanings by the cerebral hemispheres. *Brain and Language*, 80, 393-420.
- Christman, S.D. (2002). Hemispheric asymmetry in categorical judgments of direction versus coordinate judgments of velocity of motion. *Psychonomic Bulletin & Review*, 9, 298-305.
- Christman, S.D., Garvey, K.J., Propper, R.E., & Phaneuf, K.A. (2003). Bilateral eye movements enhance the retrieval of episodic memory. *Neuropsychology*, 17, 221-229.
- Lockett

- Christman, S.D., Bente, M., & Niebauer, C.L. (2007). Handedness differences in body image distortion and eating disorder symptomatology. *International Journal of Eating Disorders*, 40, 247-256.
- Propper, R.E., Stickgold, R., Keeley, R., & Christman, S.D. (2007). Is television traumatic? Dreams, stress, and media exposure in the aftermath of September 11, 2001. *Psychological Science*, 18, 334-340.
- Propper, R.E., Pierce, J., Bellorado, N., Geisler, M.W., & Christman, S.D. (2007). Effects of bilateral eye movements on interhemispheric gamma EEG coherence: Implications for EMDR therapy. *Journal of Nervous and Mental Disease*, 95, 785-788.
- Propper, R.E., Christman, S.D., & Olejarz, S. (2007). Home recorded sleep architecture as a function of handedness II: Consistent right versus consistent left handers. *Journal of Nervous and Mental Disease*

- Sontam, V., & Christman, S.D. (2012). Semantic organization and handedness: Handedness is associated with more diffuse activation of ambiguous word associations. *Cortex*, 17, 38-50.
- Westfall, J., Jasper, J.D., & Christman, S.D. (2012). Inaction inertia, the sunk cost effect, and handedness: Avoiding the losses of past decisions. *Brain and Cognition*, 80, 192-200.
- Prichard, E., & Christman, S. (2012). The neuroscience of changing minds. *Skeptiç*, 17, 50-51.
- Propper, R.E., Pierce, J., Geisler, M.W., Christman, S.D., & Bellorado, N. (2012). Hemispheric asymmetry in frontal EEG: Inconsistent right-handers are more right hemisphere active. *Open Journal of Medical Psychology*, 86-90.
- Christman, S.D. (2013). + D Q G H G Q H V V D Q G  $\mu$  H D u l l e r S a c e l l e s M i l l e y G W r e t e R Q J U L J K obscure musical genres. *Psychology of Music*, 41, 89-96.
- Propper, R.E., Christman, S.D., Brayé, T.T., & Januszewski, A. (2013). Tympanic membrane temperature, hemispheric activity, and affect: Evidence for a modest relationship. *Journal of Neuropsychiatry and Clinical Neuroscience*, 25, 198-204.
- Prichard, E., Propper, R.E., & Christman, S.D. (2013). Degree of handedness, but not direction, is a systematic predictor of cognitive performance. *Frontiers in Psychology*, 4, 3-6.
- Jasper, J. D., Kunzler, J., Prichard, E. C., & Christman, S. D. (2014). Individual differences in information order effects: The importance of right

Prichard, E.C., & Christman, S.D. (submitted). Left handers predict right wingers: Support for Donald Trump increases in states with higher rates of left-handedness. Submitted to *Laterality*.

Christman, S.D., & Prichard, E.C. (submitted). Left-handedness, cognitive style, and socioeconomic development across the globe: Countries with relatively many or relatively few left-handers fare more poorly. Submitted to *Psychological Science*

#### CHAPTERS

Kitterle, F., & Christman, S. (1991). Hemispheric Symmetries and Asymmetries in the Processing of Sinewave Gratings. In F. Kitterle (Ed.), *Advances in Cerebral Laterality Research: Data and Theory* Hillsdale, N.J.: Lawrence Erlbaum Associates.

- Christman, S.D. (2005). *Direction (left or right) versus degree (mixed or strong): Degree of handedness as a wide ranging dimension of individual differences*. Presented at Bowling Green State University, September.
- Christman, S.D. (2006). *Direction (left or right) versus degree (mixed or strong): Rethinking the meaning and measurement of handedness*. 2<sup>nd</sup> Annual Wall Memorial Lecture, University of Michigan, Flint, March.
- Christman, S.D. & Jasper, J.D. (2006). *Individual differences in decision making: The role of interaction between the left and right cerebral hemispheres in belief updating and risk perception*. Presented at the Decision Consortium Seminar, University of Michigan, Ann Arbor, January.
- Christman, S.D. (2010). *Direction (left or right) versus degree (mixed or strong): Rethinking the meaning and measurement of handedness*. Presented at Miami University, September.
- Christman, S.D. (2012), *WTVPLHG Young Men's Union, WU. A new way of thinking about handedness*. Presented at Stockton University, September.
- Christman, S.D. (2012), *WTVPLHG Young Men's Union, WU. A new way of thinking about handedness*. Presented at Montclair State University, September.

## PRESENTATIONS





Christman, S.D., & Garvey, K.J. (2000). Bilateral eye movements enhance episodic memory retrieval: A potential mechanism for EMDR therapy? Presented at the 7th Annual MCO Symposium on Research in Psychiatry, Psychology, and Behavioral Science, Toledo.

Ince, E., Christman, S.D., and Shore, W.J. (2000). Asymme

- Jasper, J.D., & Christman, S.D. (2003). Handedness differences in anchoring effects. Presented at the 2003 Annual Meeting of the Society for Judgment and Decision Making, Vancouver, B.C.
- McKeever, W.F., McSweeney, J., Bodiker, G., Dennis, M., Smith, S., Kinkaid, T., Bailey, L., & Christman, S. (2004). Greater right than left angular gyrus activation during writing in both dextral and non-inverted sinistral writers. Presented at the 32<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Baltimore.
- Christman, S., & Propper, R. (2004). Increased interhemispheric interaction leads to decreased false memories. Presented at the 1<sup>st</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco.
- Sontam, V., Weiland, P., Christman, S., & Jasper, J.D. (2004). Strength of handedness predicts differences in perceived risk. Presented at the 1<sup>st</sup> Annual Research Symposium Psychiatry, Psychology, and Behavioral Science, Toledo OH.
- McKeever, W.F., McSweeney, A.J., Bodiker, G., Dennis, M., Smith, S., Kinkaid, T., Bailey, L., & Christman, S. (2004). Left/right fMRI differences associated with handwriting postures of sinistral writers during performance of verbal tasks. Presented at the 11

- Christman, S.D., Henning, B.R., & Propper, R. (2006). Strongly handed individuals are less gullible: Interhemispheric interaction and belief updating. Presented at the Annual Meeting of the Midwestern Psychological Association, Chicago.
- Sontam, V., Jasper, J.D., & Christman, S.D. (2006). Handedness differences in representation updating. Presented at the Annual Meeting of the Midwestern Psychological Association, Chicago.
- Christman, S.D. (2006). Left hemisphere activation enhances encoding of episodic memories in females but not males. Presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston.
- Kempe, V., Brooks, P.J., & Christman, S.D. (2006). Gender modulates effects of hemispheric connectivity on verbal episodic memory. Presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston.
- Sontam, V., Christman, S.D., & Jasper, J.D. (2006). Semantic flexibility. Presented at the Annual Meeting of the Psychonomic Society, Houston.
- Jasper, J.D., Woolf, J., & Christman, S.D. (2007, March). Handedness differences in response to positively and negatively framed health messages. Poster presented at the fourteenth annual UT/BGSU/MCO Symposium on Research in Psychiatry, Psychology, and Behavioral Science, Toledo, OH.
- Christman, S.D. (2007). Individual differences in déjà vu and jamais experiences: Degree of handedness and access to the right hemisphere. Presented at the Annual Meeting of the Association for Psychological Science, Washington, D.C.
- Christman, S.D., & Sontam, V. (2007). Individual differences in ambiguous figure tests: Degree of handedness and access to the right hemisphere. Presented at the Annual Meeting of the Association for Psychological Science, Washington, D.C.
- Christman, S., & Butler, M. (2007). Individual differences in intentional versus incidental learning: Effects of handedness and interhemispheric interaction. Presented at the Annual Meeting of the Psychonomic Society, Long Beach.
- Sontam, V., & Christman, S.D. (2007). Semantic organization: Possible individual differences based on handedness. Presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach.
- Christman, S., & Propper, R. (2008). Individual differences in performance on the Everyday Memory Questionnaire: Effects of degree of handedness. Presented at the Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.
- Christman, S., Hoelzle, J., & Meyer, G. (2008). Individual differences in the ability to simulate malingered. Presented at the 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.
- Propper, R., Olejarz, S., & Christman, S. (2008). The thought of EEG: Anxiety and right hemisphere activity. Presented at the 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.
- Christman, S.D. (2008). Individual differences in Right Wing Authoritarianism: Handedness and cognitive rigidity. Presented at the Annual Meeting of the Midwestern Psychological Association, Chicago.
- Jasper, J.D., Barry, K., & Christman, S.D. (2008). Individual differences in counterfactual production. Presented at the 29<sup>th</sup> Annual Conference of the Society for Judgment and Decision Making, Chicago.
- Bossard, E.A., Levin, I.P., Jasper, J.D., & Christman, S.D. (2008). Individual differences in handedness: Comparing adaptive risky decision making in child-3 (i).tssocia0-3(81149 Tc[ci]-5(a0-3(811n3, Ma)nxi)J





## 38 Honors Theses chaired:

- Heidi Bellizzi (2015): Double Take: Handedness, Eye Movements, and Perception of Facial Attractiveness.
- Jessica Baker (2011): Handedness Differences in Perceptions of Facial Attractiveness
- Heather Pase (2010): Individual Differences in the Detection of Musical Pitch Violations
- Hiba Haselnaby (2010): Handedness and Memory for Concrete versus Abstract Nouns
- Morgan Sterling (2009): Handedness and Person Perception: Males Have Better Memory for Counterstereotypical Information
- Dina Sabry (2007): The Margins of Persuasion
- Brandon Jones (2007): Individual Differences in the Illusion of Truth
- April Martino (2007): Degree of Handedness and 2D:4D Ratios
- Megan DiQuattro (2005): Handedness, Body Image, and the Anchoring Effect
- Brad Henning \* X O O L E L O L W \ | V 5 H O D W L R Q W R + D Q G H G Q H V V D Q G + H
- Justin Overholt (2005): Metacognition and Interhemispheric Interaction
- Ashley Steele (2005): Interhemispheric Interaction and Belief Updating
- Paul Steiber (2004): Eye Movements, Interhemispheric Interaction, and Emotion
- Matt Altieri (2003): Persuasion and Handedness
- Amber Ayres (2003): The Mozart Effect Revisited
- Michelle Bentle (2003): Handedness and Body Image
- Tatum Bowerman (2002): Obsessive-compulsive Tendencies and Handedness
- Tiffany Brown (2002): Childhood Amnesia and Handedness
- Jacqueline Collins (2000): Gender and Handedness Differences in Humor Perception
- Daniel Abu-Absi (2000): Hemispheric Differences in the Perception of Categorical vs. Coordinate Auditory Tonal Relations
- Ryan Heilman (1999): Effects of Facial Priming in Affective vs. Non-affective tasks.
- Abbey Parsons (1999): The Perception of Coordinate Relations in Faces when placed in the Context of Chimeric Faces.
- Sanjeev Rally (1999): Lateral Biases in Aesthetic Preferences: Role of reading direction.
- Brandon Wilson (1999): Fractal variability in concurrent verbal and motor tasks.
- Holly Jacobson (1998): Interhemispheric Interaction and Global Processing.
- Sean Marsh (1997): Examining Facial Composites using Masculine and Positive/Negative.
- Charles Kowalski (1997): Aesthetic Preferences for Laterally Moving Stimuli.
- Piper Crisovan (1996): The Role of Phonetic Factors in Proofreading: A Comparison of Deaf and Hearing Subjects.
- Thomas Gerding (1996): Factors of Dissociation as a Function of Handedness.
- Dawn Lindsay (1996): Does Familial Handedness Affect Performance on Stroop Tasks?
- Katherine Pinger (1995): Hemispheric Activation and Aesthetic Preferences.
- Darlene Ammann (1994): Handedness and Dissociation: A Role of Interhemispheric Interaction.
- Jeanette Paxton (1993): Spatial Ability as a Function of Gender, Androgyny, and Familial Sinistrality.
- Alex Wise (1992): Performance of Right-handed Females on Spatial Tasks as a Function of Familial Sinistrality and Major.
- Colleen Dietsch (1992): Symmetry and Asymmetry in Aesthetic Preference: Effects of Handedness.
- Chris Matuszynski (1991): Word Frequency Effects in Implicit versus Explicit Memory.
- Lorna Zwerin (1991): Relationship between Handedness, Location, and Field Dependence.
- Michelle Hackworth (1990): Perception of Positive and Negative Emotional Expressions in Chimeric Faces.