CURRICULUM VITAE

September, 2014

Gideon Paul Caplovitz

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2011 - Present **Assistant Professor** **UNIVERSITY of NEVADA RENO**

EDUCATION:

2008	**Ph.D. Cognitive Neuroscience**	Dartmouth College
1998	**M.S. Mathematics**	Courant Institute New York University
1995	**B.A. Computational Mathematics**	University of California at Santa Cruz

HONORS/AWARDS**:**

2014 Best Visual Illusion of the Year Contest: 1st Place
2011 Nominee: Outstanding Undergraduate Research Mentor Award
2008 AAAS/Science Program for Excellence in Science
2007 Cold Spring Harbor Laboratory: Struct, Fnct & Dev. of the Visual System
2007 Recipient: Marie Center 1982 Award for Research Excellence
2007 Best Visual Illusion of the Year Contest: Judge
2006 Recipient: Marie Center 1982 Award for Teaching Excellence
2006 Best Visual Illusion of the Year Contest: 3rd Place
2005 Nominee: Marie Center 1982 Award for Teaching Excellence
2004 Dartmouth College Summer Institute in Cognitive Neuroscience Fellow
2003 Dartmouth College Presidential Fellow

FUNDING:

2014 UNR General Undergraduate Research Award: $1500: Cody Cushing
2012 NIH/NIGMS COBRE (Co-PI): 1P20GM103650-01A1 (*Active)*
2012 NIH/NEI (Co-PI): 1R15 EY022775-01 (*Active)*
2012 UNR Honors Undergraduate Research Award $1000: Lianne Barnes
2011 UNR Honors Undergraduate Research Award $1000: Megan Stricker
2011 UNR GSA Capital Grant $3500: Chris Blair
2008 NIH T32 NRSA Postdoctoral training fellowship
2005 National Science Foundation Graduate Research Fellow

EMPLOYMENT HISTORY:

2010 - 2011	Visiting Assistant Professor	UNIVERSITY of NEVADA RENO
2008 - 2010	Post-Doctoral Research Fellow	PRINCETON UNIVERSITY
1998 - 2003	Senior Mathematician	ABRATECH CORPORATION
1997	Scientific Programmer	LUCENT TECHNOLOGIES
1995 - 1996	UNIX Programmer	AT&T BELL LABORATORIES
1994	SONAR Analyst	NAVAL UNDERSEA WARFARE CENTER

TEACHING EXPERIENCE

UNR Instructor

Summer 2014: Psych FIT Faculty Instructor
Fall 2014: PSY210 Introduction to Statistics
Spring 2013: PSY763 Graduate Seminar: Attention
PSY479 Laboratory Instructor in: Techniques in Neuroscience Laboratory
Fall 2013: PSY706 Graduate Statistics I
Fall 2012: PSY301 Experimental Psychology
PSY706 Graduate Statistics I
Spring 2012: PSY763 Graduate Seminar: Attention
Fall 2011: PSY301 Experimental Psychology
PSY706 Graduate Statistics I
Spring 2011: PSY301 Experimental Psychology
PSY210 Introduction to Statistics
Fall 2010: PSY301 Experimental Psychology
PSY210 Introduction to Statistics

Prior to UNR

2010: Instructor: Psychophysics Laboratory Workshop, Graduate Seminar NEU502, Princeton University

2009: Invited Lecturer: Psychology 352, Advanced Perception Bucknell University

1998: Private mathematics tutor. Palo Alto, California

McGraw Center Teacher-Training Workshops, Princeton University
Workshops attended:

2010: Applying the Science and Research on Learning to Lecturing
2009: Designing a Course
2009: Master Class on Lecturing
2008: The Scholar as Teacher

Graduate Student Instructor, Dartmouth College

2007 Psych 10: Statistics
2005 Psych 24: Perception
2005 Psych 64: Sensory Psychology
2004 Psych 11: Experimental Methods in Psychological Research

V.S.S Demo Night Presentations

2014: 12th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'The Dynamic Ebbinghaus Illusion'

2014: 12th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'The Wandering Circles'

2013: 11th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'Dynamic Size Contrast Illusion'

2012: 10th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'The Anorthoscope and Kinetic Anamorphosis'

2011: 9th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'Spinning Ellipses'

2010: 8th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'Fun with stick-shadow motion'

2009: 7th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'The Bar-Cross-Ellipse Illusion'

2008: 6th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'An opti -mechanical demonstration of differential chromatic and achromatic flicker fusion'

2007: 5th Annual Demo Night Presentation, Vision Science Society Annual Meeting: 'Aperture Induced Motion'

Undergraduate Research Supervision

2010 - Present Supervisor, Undergraduate Research Opportunity PSY 375

2012-2013 L. Barnes, Honors Thesis. Six is Sapphire, but is Sapphire Six? Bidirectionality and Numerosity in Grapheme-Color Synesthesia. Supervisor **** Named 2013 National Collegiate Honors Council Portz Scholar****

2011-2012 M. Stricker, Honors Thesis. The color of music. Supervisor

2010-2011 C. Kupitz, Honors Thesis. The Binding Ring Illusion. Supervisor

2003-2008 Supervisor, Undergraduate Research Opportunity, Tse Vision Lab

2007 E.J. Ruberry. Honors Thesis. Effects of facial paralysis on ability to identify facial expressions of emotion. Co-author

2004 M.R. Samco. Honors Thesis. Neuro-anatomical correlates of psychological traits as revealed by diffusion tensor imaging. co-supervisor

JOURNAL REVIEWING:

Journal of Vision
Neuropsychologia
Science
Human Brain Mapping
Behavior Research Methods
Brain and Cognition
Journal of Neuroscience
Journal of Experimental Psychology: HPP
Nature Neuroscience
Attention Perception & Psychophysics
Perception
Journal of the American Optical Society A

JOURNAL EDITING:

Sage Open

PUBLISHED ARTICLES:

1. A.G. Shapiro, G.P. Caplovitz and E.L. Dixon. Feature- and Face-Exchange illusions: New insights and applications for the study of the binding problem. *Front. Hum. Neurosci.* 8:804. doi: 10.3389/fnhum.2014.00804. (2014).
2. D.J. Peterson, G. Gurariy, G.G. Dimotsantos, H. Arciniega, M.E. Berryhill & G.P. Caplovitz. The steady-state visual evoked potential reveals neural correlates of the items encoded into visual working memory. *Neuropsychologia*, 63, 145-153. (2014).
3. J.D. McCarthy, G.P. Caplovitz. Color synesthesia improves color but impairs motion perception. Spotlight. *Trends in Cognitive Science*. 18(5), 224-228. (2014)

4. R.E. Mruczek, C.D. Blair, G.P. Caplovitz. Dynamic Illusory Size-Contrast: A relative-size illusion modulated by stimulus motion and eye movements. *Journal of Vision*. 14(3):2, 1-15. (2014)
5. P.J. Kohler, G.P. Caplovitz, P.U. Tse. The global slowdown effect: Why does perceptual grouping reduce perceived speed? *Attention Perception and Psychophysics.* 76(3):780-92. (2014).
6. C.D. Blair, J. Goold, K. Killebrew & G.P. Caplovitz. Form features provide a cue to the angular velocity of rotating objects. *Journal of Experimental Psychology: Human Perception & Performance*; 40(1):116-28. (2014).
7. J.D. McCarthy, L.N. Barnes, B.D. Alvarez & G.P. Caplovitz. Two plus blue equals green: Grapheme-color synesthesia allows cognitive access to numerical information via color. *Consciousness & Cognition*; 22(4), 1384-1392. (2013).
8. D.J. Peterson, G. Gurariy, G.P. Caplovitz, M.E. Berryhill. The Neural Fate of Individual Item Representations in Visual Working Memory. *Visual Cognition*; 21(6). (2013)
9. J.D. McCarthy, C. Kupitz, G.P. Caplovitz. The Binding Ring Illusion: assimilation affects the perceived size of a circular array. *F1000Research*, 2-58. (2013)
10. E.A. Reavis, P.J. Kohler, G.P. Caplovitz, T.P. Wheatley, P.U. Tse. Effects of attention on visual experience during monocular rivalry. *Vision Research.83:76-81.* (2013)
11. H.C. Hughes, G.P. Caplovitz, R. Loucks, R. Fendrich. Attentive and Pre-Attentive Processes in Change Detection and Identification. *PLoS ONE.*7(8):e42851 (2012)
12. J.D. McCarthy, D. Cordeiro, G.P. Caplovitz. Local form-motion interactions influence global form perception. *Attention, Perception and Psychophysics.* 74(5): 816-23. (2012)
13. C.D. Blair, G.P. Caplovitz. The Effect of Attention on Context Dependent Synesthetic Experiences.*Seeing and Perceiving 25(6):619-29 (2012)*
14. K.B. Porter*, G.P. Caplovitz*, C.M. Ackerman, P.J. Kohler, P.U. Tse. Rotational and translational motion interact independently with form. *Vision Res.* 8;51(23-24):2478-87. (2011) * Authors contributed equally
15. G.P. Caplovitz, A.G. Shapiro, S. Stroud. The maintenance and disambiguation ofobject representations depend upon feature contrast within and between objects. *Journal of Vision;*11(14).1 (2011)
16. G.P.Caplovitz, M.J. Arcaro, S. Kastner. Stage 3 and what we see. *Cognitive Neuroscience;*1(3):220-222. (2010)
17. G.P. Caplovitz, P.U.Tse. Extrastriate cortical activity reflects segmentation of motion into independent sources. *Neuropsychologia;*48(9):2699-708 (2010)
18. P.J. Kohler, G.P. Caplovitz, P-J. Hsieh, J. Sun, P.U. Tse. Motion fading is driven by perceived, not actual angular velocity. *Vision Research*;50(11):1086-94 (2010)

19. G.P. Caplovitz, S. Kastner. Carrot sticks or joysticks: video games improve vision. *Nat Neurosci.*;12(5):527-8. (2009)
20. P.U. Tse, G.P. Caplovitz, P-J. Hsieh. Microsaccade directions do not predict directionality of illusory brightness changes of overlapping transparent surfaces. *Vision Research*;49(7):790.e1-7. (2009)
21. P.J. Kohler, G.P. Caplovitz*, P.U. Tse. The whole moves less than the spin of its parts. *Atten Percept Psychophys.*;71(4):675-9. (2009) *corresponding author
22. G.P. Caplovitz, N.A. Paymer, P.U. Tse. The Drifting Edge Illusion: A stationary edge abutting an oriented drifting grating appears to move because of the 'other aperture problem'. *Vision Research*; 48(22):2403-14. (2008)
23. G.P. Caplovitz, R. Fendrich, H.C. Hughes. Failures to see: Attentive blank stares revealed by change blindness. *Consciousness & Cognition*; 17(3):877-86. (2008)
24. G.P. Caplovitz, D.J. Barroso, P-J. Hsieh, P.U. Tse. fMRI Reveals that non-local processing in ventral retinotopic cortex underlies perceptual grouping by temporal synchrony. *Human Brain Mapping*; 29(6):651-61. (2008)
25. G.P. Caplovitz , P.U. Tse. Rotating dotted ellipses: Motion perception driven by grouped figural rather than local dot motion signals. *Vision Research*; 47(15), 1979-1991. (2007)
26. G.P. Caplovitz, P.U. Tse. V3A processes contour curvature as a trackable feature for the perception of rotational motion. *Cerebral Cortex*; 17(5):1179-89. (2007)
27. X.G. Troncoso, P.U., S.L. Macknik, G.P. Caplovitz, P-J. Hsieh, A.A. Schlegel, J. Otero-Millan, S. Martinez-Conde. BOLD activation varies parametrically with corner angle throughout human retinotopic cortex. *Perception*; 36(6) 808-820. (2007)
28. G.P. Caplovitz, P.U. Tse. The Bar-Cross-Ellipse Illusion: alternating percepts of rigid and non-rigid motion based on contour ownership and trackable feature assignment. *Perception*; 35(7):993-7. (2006)
29. P.U. Tse., G.P. Caplovitz, P-J. Hsieh. Microsaccade directions do not predict directionality of illusory brightness changes of overlapping transparent surfaces. *Vision Research*; 46(22):3823-30. (2006)
30. G.P. Caplovitz, P-J. Hsieh, P.U. Tse. Mechanisms underlying the perceived angular velocity of a rigidly rotating object. *Vision Research*; 46(18):2877-93. (2006)
31. P-J. Hsieh, G.P. Caplovitz, P.U. Tse. Bistable illusory rebound motion: Event-related functional magnetic resonance imaging of perceptual states and switches. *Neuroimage*; 32(2):728-39. (2006)
32. P-J. Hsieh , G.P. Caplovitz, P.U. Tse. Illusory motion induced by the offset of stationary luminance-defined gradients. *Vision Research*; 46(6-7):970-8. (2006)
33. P-J. Hsieh, G.P. Caplovitz, P.U. Tse. Illusory Rebound Motion and the motion continuity heuristic. *Vision Research*; 45(23):2972-85. (2005)

34. D.L. Jewett, G.P Caplovitz, B. Baird, M. Trumpis, M.P. Olson, L.J. Larson-Prior. The use of QSD (q-sequence deconvolution) to recover superposed, transient evoked-responses. *Clinical Neurophysiology*; 115:2754-2775. (2004)

BOOK CHAPTERS:

35. R.E. Mruczek, C.D. Blair, L. Strother & G.P. Caplovitz. Dynamic Illusory Size Contrast. *Oxford Compendium of Visual Illusions. (In Press)*
36. R.E. Mruczek, C.D. Blair, L. Strother & G.P. Caplovitz. Size contrast and assimilation in the Delboeuf and Ebbinghaus illusions. *Oxford Compendium of Visual Illusions. (In Press)*
37. P.U. Tse, E.A. Reavis, P.J. Kohler, G.P. Caplovitz, & T.P. Wheatley. How attention can alter appearances. In L. Albertazzi (ed.), *The Wiley-Blackwell Handbook of Experimental Phenomenology: Visual Perception of Shape, Space and Appearance.* (2013).
38. G.P. Caplovitz, A. Boswell, K. Killebrew. The Bar Cross Ellipse Illusion. *Oxford Compendium of Visual Illusions. (In Press)*
39. G.P. Caplovitz, P-J. Hsieh, P. Kohler, K. Porter. Spinning Ellipse Speed Illusion. *Oxford Compendium of Visual Illusions. (In Press)*
40. C.D. Blair, P.U. Tse, G.P. Caplovitz. Interactions of form and motion in the perception of moving objects. *Oxford Handbook of Perceptual Organization (In Press)*
41. G.P. Caplovitz. Visual Form-Motion Interactions. *Advances in Psychology Research. 82* (2011).
42. P.U. Tse, G.P. Caplovitz. Chapter 15 Contour discontinuities subserve two types of form analysis that underlie motion processing. *Prog Brain Res*.; 154:271-92 (2006).

PUBLISHED ABSTRACTS:

Vision Science Society Meeting, St. Petersburg, FL 2014

G. Erlikhman, G.P. Caplovitz, P. Kellman. Properties of Spatiotemporal Boundary Formation.

K. Tregillus, L. Strother, G.P. Caplovitz, M.A. Webster. Neural coding of image blur assessed by fMRI

C.D. Blair, L. Strother, G.P. Caplovitz. Walking with Cornsweet: Polarity Reversals Induce Illusory Motion Percepts

K. Killebrew, C.D. Blair, G.P. Caplovitz. Summary statistics influence how individuals are perceived in noise.

R. Mriczek, C.D. Blair, G.P. Caplovitz. Dynamic Illusory Size-Contrast: A relative-size illusion modulated by stimulus motion and eye movements.

J.D. McCarthy, L.N. Barnes, B.A.Alvarez, G.P. Caplovitz. Two plus blue equals green: Grapheme-color synesthesia allows cognitive access to numerical information via color.

G. Gurariy, D. Peterson, M.E. Berryhill, G.P. Caplovitz. The Neural Fate of Individual Item Representations in Visual Working Memory.

Western Regional IDeA Scientific Conference, Honolulu, HI 2013

G.P. Caplovitz, G. Erlikhman, P. Kellman. Neural Correlates of Spatiotemporal Boundary Formation

Vision Science Society Meeting, Naples, FL 2013

G.P. Caplovitz, G. Erlikhman, J. Lago, P. Kellman. Neural Correlates of Spatiotemporal Boundary Formation

A. Kaplan, G.P. Caplovitz. Conflating Kanizsa Figures with Perceptual Grouping?

C.D. Blair, G.P. Caplovitz. Constraints on dynamical evolution of motion perception

G. Gurariy, G.P. Caplovitz. Local motion-contrast Interactions Influence Global Shape Perception

A. Boswell, G. Gurariy, G.P. Caplovitz. Perceived Size of a Moving Target

J.D. McCarthy, G.P. Caplovitz, Robust shape perception of static and rotating objects revealed by spatiotemporal form integration.

Cognitive Neuroscience Society Meeting, San Francisco, CA 2013

J.D. McCarthy, L. Barnes, G.P. Caplovitz. Two Plus Blue Equals Green: The Minimal Cost Of Doing Math With Colors In Grapheme-Color Synesthesia

Western Psychological Society Meeting, Reno, NV 2013

J.D. McCarthy, L. Barnes, G.P. Caplovitz. Two Plus Blue Equals Green: The Minimal Cost Of Doing Math With Colors In Grapheme-Color Synesthesia

S. Im, G.P. Caplovitz, V.M. Follette. Attention, PTSD and General Psychological Distress: A Mediational Model

Association for Psychological Science Washington D.C. 2013

S. Im, G.P. Caplovitz, V.M. Follette. Construct validity of mindfulness using a multi-method approach

Vision Science Society Meeting, Naples, FL 2012

G.P. Caplovitz, D. Cordeiro, J. Daniel McCarthy. Local form-motion interactions influence global form perception

C. Blair, J. Goold, K. Killebrew, G.P. Caplovitz. The motion of form features provides a cue to angular velocity

A. Boswell, G.P. Caplovitz. Size Perception of Arrays

P.J. Kohler, G.P. Caplovitz, S.V. Fogelson, P.U. Tse. Neural correlates of perceptually bistable motion-based grouping

J. Daniel McCarthy, P.J. Kohler, P.U. Tse, G.P. Caplovitz. The neural correlates of spatiotemporal form integration in object and motion perception

Rocky Mountain Psychological Association Annual Meeting, 2012

L. Barnes, J. Daniel McCarthy, G.P. Caplovitz. Two plus blue equals purple: Bidirectionality in synesthesia is revealed by math with colors

C. Blair, N. Clark, G.P. Caplovitz. Synesthetic Shape Pop-Out Effects at Varied Stimulus Presentation Durations

A. Boswell, S. Chuang, G.P. Caplovitz. Size Perception of Arrays

M. Stricker, G.P. Caplovitz. The "Color" of Music: An Investigation of Timbre and Color Association

Cognitive Neuroscience Society Meeting, San Francisco, CA 2011

G.P. Caplovitz, M. Arcaro,S. Kastner. Categorical representation of visually suppressed objects in visual cortex

J.D. McCarthy, C. Kupitz, G.P. Caplovitz. The Binding Ring Illusion: Misperceived size constrains models of size perception.

Vision Sciences Society Meeting, Naples, FL 2011

S.F. O'Neil, G.P. Caplovitz, M. Webster. Sibling Rivalry: Facial Distinctiveness and binocular rivalry.

G.P. Caplovitz, P.U. Tse. Extrastriate cortical activity reflects segmentation of motion into independent sources

P. Winkler, K.C. McDermott, G.P. Caplovitz, M. Webster. Figural Chasers.

J.D. McCarthy, G.P. Caplovitz. The Binding Ring Illusion: Misperceived size constrains models of size perception.

Vision Sciences Society Meeting, Naples, FL 2010

G.P. Caplovitz, M. Arcaro,S. Kastner. Categorical representation of visually suppressed objects in visual cortex

A. Shapiro, G.P. Caplovitz. Feature Exchange: the unstable contribution of features in the maintenance of objects moving along ambiguous trajectories

Vision Sciences Society Meeting, Naples, FL 2009

G.P. Caplovitz, P.U. Tse. Dotted Ellipses: Local and emergent motion signals differentially modulate BOLD activity in visual cortex

P.J. Kohler, G.P. Caplovitz, P.U. Tse. The Whole Moves More than the Spin of its Parts

J. Ales, G.P. Caplovitz, A. Norcia. Neural correlates of perceptual grouping in the occluded diamond illusion

European Conference on Visual Perception, Regensburg, Germany 2009

G.P. Caplovitz, K.B. Porter, C.M. Ackerman, P.J. Kohler, P.U. Tse. Independent processing of rotational and translational motion in the perception of moving objects

Vision Sciences Society Meeting, Naples, FL 2008

G.P. Caplovitz, R. Fendrich, H.C. Hughes. Seeing Changes Without Seeing What Changed.

N.A. Paymer, G.P. Caplovitz, P.U. Tse. Stimulus factors that influence the perceived

direction of tilt-induced motion.

European Conference on Visual Perception, Arezzo, Italy 2007

G.P. Caplovitz, R. Fendrich, H.C. Hughes. Failures to See: Attentive Blank Stares Revealed by Change Blindness.

Dartmouth Undergraduate Honors Thesis Presentations, 2007

E. J. Ruberry, F.C. Davis, M.A. Stotland, T.F. Heatherton, G.P. Caplovitz, P.J. Whalen: Effects of facial paralysis on ability to identify facial expressions of emotion.

Vision Sciences Society Meeting, Sarasota, FL 2007

G.P. Caplovitz, P.U. Tse. Aperture Induced Motion: Illusory motion percepts arising from conflicting terminator and component motion signals.

P-J. Hsieh, G.P. Caplovitz, P.U. Tse. Bistable Illusory Rebound Motion: Event-related functional magnetic resonance imaging of perceptual states and switches.

Vision Sciences Society Meeting, Sarasota, FL 2006

G.P. Caplovitz, P.U. Tse. Spinning Ellipses: Dotted contours reveal the spatial resolution for the tracking of unambiguously moving features.

P.U. Tse, G.P. Caplovitz. V3A processes contour curvature as a trackable feature for the perception of rotational motion.

Society for Neurosciences Meeting, Washington, D.C. 2005

G.P. Caplovitz, P-J. Hsieh, P.U. Tse. The neural correlates of trackable feature motion processing on the basis of second-order motion stimuli.

C. Gomez, G. P. Caplovitz, P.-J. Hsieh, P. U. Tse.Neuronal correlates of common fate (spatial and temporal correlation) in retinotopic cortex.

X.G. Troncoso, P.U. Tse, S.L. Macknik , G.P. Caplovitz, P.-J. Hsieh , A.A. Schlegal, S. Martinez-Conde. fMRI correlates of corner-based illusions show BOLD activation varies gradually with corner angle.

P.-J., Hsieh, G.P.Caplovitz, P.U.Tse. Neuronal activity varies with motion-induced blindness in ipsilateral and contralateral retinotopic cortex & contralateral hMT+.

Optical Society of America Vision Meeting, 2005

X.G. Troncoso, P.U. Tse, S.L. Macknik , G.P. Caplovitz, P.-J. Hsieh , A.A. Schlegal, S. Martinez-Conde. fMRI correlates of corner-based illusions show BOLD activation varies gradually with corner angle.

European Conference on Visual Perception, 2005

P.U. Tse, G.P. Caplovitz, P.-J. Hsieh. The role of contour curvature in form-based motion processing.

X.G. Troncoso, P.U. Tse, S.L. Macknik , G.P. Caplovitz, P.-J. Hsieh , A. A. Schlegal, S. Martinez-Conde. fMRI correlates of corner-based illusions show BOLD activation varies gradually with corner angle.

Vision Sciences Society Meeting, Sarasota, FL 2005

G.P. Caplovitz, P-J. Hsieh, P.U. Tse. The neural correlates of motion processing on the

basis of trackable features.

P-J. Hsieh, G.P. Caplovitz, P.U. Tse. Neural correlates of conscious visibility found in ipsilateral retinotopic cortex.

P.U. Tse, G.P. Caplovitz, P-J. Hsieh. Voluntary attention modulates the brightness of overlapping transparent surfaces.

M.R. Samco, G.P. Caplovitz, P-J. Hsieh, P.U. Tse. Neural correlates of human creativity revealed using diffusion tensor imaging.

C. Gomez, G.P. Caplovitz, P.-J. Hsieh, P.U. Tse. Neuronal correlates of Common Fate (spatial and temporal correlation) in retinotopic cortex.

Society for Neurosciences, 2004

P.U. Tse, M.R. Samco, G.P. Caplovitz, P-J. Hsieh, Neural correlates of psychological attributes (creativity,schitzotypy,psychopathy, handedness, and gender) revealed using Diffusion Tensor Imaging.

Annual Meeting of the Association for Research in Otolaryngology, 2003

D.L. Jewett, G.P. Caplovitz, B. Baird, L. Larson-Prior. Time-domain deconvolution of overlapped waveforms by "Q-Sequences".

ADDITIONAL CONFERENCE PRESENTATIONS

Bay Area Vision Research Day, Berkeley, CA 2013

J.D. McCarthy, G.P. Caplovitz, Robust shape perception of static and rotating objects revealed by spatiotemporal form integration.

California Cognitive Science Conference, Berkeley, CA, 2012

J.D. McCarthy, L.N. Barnes, G.P. Caplovitz. Two plus blue equals green: Bidirectionality in synesthesia is revealed by math with colors

Bay Area Vision Research Day, Berkeley, CA 2012

C. Blair, N. Clark, G.P. Caplovitz. Synesthetic Shape Pop-Out Effects at Varied Stimulus Presentation Durations

K. Killebrew, J.G. Jones, G.P. Caplovitz. Apparent Motion : Perceived speed does not override spatial proximity in motion correspondence

Psychology Undergraduate Research Conference, Berkeley, CA 2011

D. Cordeiro, J.D. McCarthy, G.P. Caplovitz. Local form-motion interactions influence global form perception.

J. Goold, K. Killebrew, C.D. Blair, G.P. Caplovitz. Perception of Angular Velocity.

Bay Area Vision Research Day, Berkeley, CA 2011

J.D. McCarthy, D. Cordeiro, G.P. Caplovitz. Local form-motion interactions influence global form perception.

C.D. Blair, G.P. Caplovitz. The Effect of Attention on Context Dependent Synesthetic Experiences

INVITED TALKS:

02/21/14	*"Adventures in Seeing"* Colloquium Dept. of Psychology, University of Nevada Reno.
11/13/13	"*In the Mind's Eye"*. College of Liberal Arts, Great Conversations
11/01/13	*"Interactions of Visual Form and Motion"* Claremont McKenna College
08/21/13	"*Neural Correlates of Form-Motion Interactions*". INBRE IDeA Meeting
11/07/12	"*The role of form processing in the perception of rotational motion"* 2012 IDeA States Mini-Conference on Visual and Cognitive Neuroscience
11/19/11	*"Neural Correlates of the Unseen"* 2nd Annual Sierra Chapter of the Society for Neuroscience: Neuroscience Symposium
10/15/10	*"Cognitive and Neural Investigations of our Sensory Experiences"* Colloquium Dept. of Psychology, University of Nevada Reno.
04/2010	*"We see the cake, not the ingredients: intriguing contributions of form to motion processing"* Colloquium Dept. of Psychology, University of Nevada Reno.
02/2010	*'When features change and exchange'* Brown Bag Talk Series, Dept. of Psychology, University of Iowa
11/2009	*'Perceiving emergent information reveals intriguing contributions of form to motion perception'* Schnurmacher Institute for Vision Research Colloquia, SUNY Optometry
04/2009	*'Feature Exchange'* Treisman Lab, Princeton University
03/2009	*'The other aperture problem'* Treisman Lab, Princeton University
03/2009	'*Form Motion Interactions and what they tell us about perception'* Dept. of Psychology, Cognitive & Linguistic Sciences Brown University
03/2008	*'Looking and Not Seeing'* Treisman Lab, Princeton University
10/2007	*'Mechanisms underlying the perception of rotational motion'*. Neuroscience of Attention & Perception Laboratory, Princeton University
04/2007	*'Mechanisms underlying the perception of rotational motion'*. Martinos Center for Biomedical Imaging.