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January, 2009

CONTACT INFORMATION

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EDUCATION

1985	University of Michigan	Ph.D.	Experimental Psychology <i>Dissertation: "Dynamics of Retrieval from Lexical Memory"</i>
1978	University of Washington	B.S. (Honors)	Psychology

PROFESSIONAL APPOINTMENTS

1995-present	Professor of Psychological and Brain Sciences, The Johns Hopkins University
2006-present	Member, Zanvyl Krieger Mind/Brain Institute, The Johns Hopkins University
2001-present	Secondary Appointment in the Department of Neuroscience, JHU School of Medicine
1992-present	Secondary Appointment in the Department of Cognitive Science, JHU
2008	Visiting Professor, Center for Mind/Brain Sciences, University of Trento, Italy
2008	Visiting Scholar, New York University
2007	Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand
1992-95	Associate Professor of Psychology, The Johns Hopkins University
1986-92	Assistant Professor of Psychology, The Johns Hopkins University
1985-86	Postdoctoral Fellow, Department of Psychology, Stanford University
1980-85	Graduate Teaching and Research Fellow, Department of Psychology, University of Michigan
1978-80	Research Assistant, Department of Psychology, University of Washington

HONORS AND AWARDS

1999	Elected Fellow, American Psychological Association (Division 3)
1997	Elected Fellow, Association for Psychological Science
1996	Troland Research Award, U. S. National Academy of Sciences
1994	Distinguished Scientific Award for Early Career Contribution to Psychology, Am. Psychol. Assoc.
1984-5	Rackham Dissertation Fellowship
1981-4	National Science Foundation Graduate Research Fellowship
1978	College of Arts and Sciences Award for Outstanding Research in the Sciences, Univ of Washington
1978	Guthrie Award for Outstanding Senior Thesis in Psychology, University of Washington

RESEARCH INTERESTS

Visual Perception, Attention, and Cognitive Control
Cognitive Neuroscience and Functional Neuroimaging

PRIMARY RESEARCH AND TRAINING GRANTS (total direct costs listed; SY is PI unless otherwise stated)

Active

- NIH Research Grant R01 DA13165 (06-10): "Cortical Mechanisms of Task Switching Revealed by fMRI," \$2,046,947, 7/1/2005-6/30/2010
 NIH NRSA Predoctoral Fellowship F31-NS055664 to Adam Greenberg, "Perceptual Organization and Attention: Behavior & fMRI" 3/15/06-3/14/09 (Sponsor)

Completed

- NIH Research Grant R01 EB00975 (01-06): "Validation of Structural/Functional MRI Localization", \$1,000,000, 10/1/2002-9/30/2008 (PI: M. Miller)
 NEI Research Grant R03 EY014148 (01-05): "Central scotomas in AMD [age-related macular degeneration] and cortical remapping," \$300,000, 4/1/03-3/31/08 (PI: J. Sunness)
 Applied Physics Laboratory Partnership Fund Grant, "Mechanisms of attention in acquiring and maintaining situation awareness," \$259,420, 1/1/2006 – 12/31/2007 (co-Investigators: R. Remington, H. Egeth)
 NIH Research Grant R01 DA13165 (01-05): "Brain Mechanisms of Attentional Control Revealed by fMRI," \$1,100,000, 7/1/2000-6/30/2005
 Training Grant T32 MH19971 (01-05): "Training in Perceptual and Cognitive Neuroscience," \$276,110 7/1/97-6/30/02 (PI: Howard Egeth)
 NIMH Research Grant R01 MH43924 (08-11): "Perceptual Objects and Attention," \$242,000, 7/1/96-9/30/2000
 NIMH Research Grant R01 MH43924 (04-07): "Mechanisms of Human Visual Attention," \$163,540, 4/1/92-6/30/96
 AFOSR Research Grant 92-J-0186: "Stochastic Models of Attention and Search," \$80,000, 3/1/92-2/28/95
 NASA JRI NCA2-413: "Dynamics of Visual Attention Allocation," \$35,818, 6/1/89-5/31/91.
 NIMH Research Grant R01 MH43924 (01-03): "Dynamics of Visual Information Processing," \$91,312, 4/1/88-3/31/92
 NASA JRI NCA2-171: "Visual Attention and the Perception of Objects," \$47,363, 11/1/86-10/31/88

EDITORIAL AND REVIEW ACTIVITIES

Editorial Boards:

- Journal of Experimental Psychology: Human Perception and Performance*, 1991-present
Journal of Neuroscience, 2007-present
Biology Image Library: Section Editor, Behavioural & Cognitive Neurosciences, 2008-present
Cognitive, Affective, and Behavioral Neuroscience, 2001-2007
Perception & Psychophysics, 1991-1997; Associate Editor, 1998-2000
Psychological Bulletin, 1994 - 2002
Psychological Science, 2000-2003
Psychonomic Bulletin & Review, 2006-2007

NIH study sections

- 2004-2008 F02B Fellowship study section (Chair, 2006-2008)
 2001-2 Special Emphasis Review Panel member, NIMH, NINDS
 1993-1997 Perception and Cognition Research Review Committee, NIMH, (Chair, 1996-97)
 1992 Psychobiology & Behavior Research Review Committee, NIMH

External Program Reviewer, Ohio State University Cognitive Science Program (2003)

Funding Agency and Foundation Reviewer

- Air Force Office of Scientific Research
 Dana Foundation
 Economic and Social Research Council, UK

Human Frontier Science Program
 MacArthur Foundation
 National Science Foundation
 Natural Science and Engineering Research Council of Canada
 U.S.-Israel Binational Science Foundation

Journal Reviewing

General Science

BioMed Central Biology
Current Biology
Nature
PLoS Biology
PLoS Computational Biology
Proceedings of the National Academy of Sciences
Science

Psychology

Acta Psychologica
Cognition
Cognitive Psychology
Human Factors
Journal of the Acoustical Society of America
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Vision
Memory & Cognition
Perception
Perception & Psychophysics
Philosophical Psychology
Psychological Bulletin
Psychological Review
Psychological Science
Psychonomic Bulletin & Review
Quarterly Journal of Experimental Psychology
Spatial Vision
Vision Research
Visual Cognition

Cognitive Neuroscience

Behavioral Neuroscience
Biological Psychiatry
BioMed Central Neuroscience
Brain
Cerebral Cortex
Clinical Neurophysiology
Cognitive, Affective, and Behavioral Neuroscience
Cognitive Neurology
Cognitive Neuropsychology
European Journal of Neuroscience
Experimental Brain Research
Human Brain Mapping
Journal of Cognitive Neuroscience
Journal of Neurophysiology
Journal of Neuroscience
Journal of Neuroscience Methods
Nature Neuroscience
NeuroImage
Neuron
Neuropsychologia
Neuropsychology
Neuroscience
Neuroscience Letters

ORGANIZATIONS AND SOCIETIES

American Psychological Association (Division 3: Experimental Psychology, Fellow)
 Association for Psychological Science (Fellow)
 Cognitive Neuroscience Society
 Psychonomic Society (Member, Publications Committee)
 Society for Neuroscience
 Vision Sciences Society

ADMINISTRATIVE POSITIONS (partial list)

Chair, Department of Psychological and Brain Sciences, Johns Hopkins University, 2009-present
 Psychonomic Society Publications Committee, 2002-present
 Editorial Search Committee Chair, *Perception & Psychophysics* (2002), *Cognitive, Affective, and Behavioral Neuroscience* (2006)
 Advisory Council of the International Association for the Study of Attention and Performance, 2001-present
 Kirby Research Center for Functional Brain Imaging Steering and Protocol Review Committees, 1998-present
 Director of Graduate Studies, Department of Psychological and Brain Sciences (2000-2008)
 Undergraduate Program Coordinator, Department of Psychology (1986-1992; 1996-1999)
 Social and Behavioral Sciences Area Major Advisory Committee, 1992-2002 (chair, 1997-2002)
 Cognitive Neuroscience Training Program Steering Committee chair, 1998-2002
 Graduate Admissions Committee Chair (2000-2008)
 Many Faculty Search Committees, 1988-present
 Many Graduate Board Oral Examination and Faculty Promotion committees, 1987-present

TEACHING INTERESTS

Sensation and Perception
 Visual Attention and Cognition
 Cognitive Neuroscience
 Graduate Statistics: Probability through univariate ANOVA and regression
 Seminars on Advanced Topics in Attention, Perception, and Cognitive Neuroscience

GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Current Graduate Students

Adam Greenberg (2004-present)
 Ben Rosenau (2005-present)
 Yu-Chin Chiu (2005-present)
 Stacy Cho (2008-present)

Current Postdoctoral Fellows

Michael Esterrman (2006-present)

Former Ph.D. Students, current position, and dissertation title

Toby Mordkoff (1986-91), Associate Professor, University of Iowa: "A unified model of visual attention"
 Douglas Johnson (1987-1992), Associate Professor, Colgate University: "Representations and item-specific learning in lexical decision"
 Anne Hillstrom (1989-1994), Senior Lecturer, University of Portsmouth, UK: "Repetition effects in visual search"
 Peter Kramer (1992-1997), Research Scientist, University of Padova, Italy: "Linking correspondence matching in stereopsis and apparent motion"
 Barry Vaughan (1993-1998), Research scientist, U.S. Army Research Laboratory, Aberdeen Proving Ground, MD: "Gone but not forgotten: Characteristics of the occluded scene"
 Robert Rauschenberger (1996-2001), Research Scientist, Siemens Corp.: "When something old becomes something new: Spatiotemporal object continuity and attentional capture"

- Sarah Shomstein (1998-2003), Assistant Professor, George Washington University: “Multimodal control of selective attention: The role of parietal cortex during attentional shifts”
- Takehiko Nakama (1996-2003), PhD Candidate, Dept Applied Mathematics, Johns Hopkins Univ
“System identification analysis of neuronal responses to bimanual stimulation in second somatosensory cortex”
- John Serences (2000-2005), Assistant Professor, University of California, San Diego: “Attentional Priority Maps in Human Cortex”
- Todd Kelley (2002-2007), Postdoctoral Fellow, University College London: “Learning to Attend: Effects of Practice on Information Selection”

Former Postdoctoral Fellows and current position

- Bradley Gibson (1992-1994) Associate Professor, University of Notre Dame
- Cathleen Moore (1994-1996) Associate Professor, University of Iowa
- Jens Schwarzbach (1999-2001) Associate Professor, University of Trento, Italy
- Robert Carlson (1998-2001) Assistant Professor, Clarkson University
- Scott Slotnick (2000-2002) Assistant Professor, Boston College
- Taosheng Liu (2001-2003) Assistant Professor, Michigan State University
- Daryl Wilson (2003-2006) Assistant Professor, Queen’s University, Ontario, Canada

PUBLICATIONS

BOOKS

- Yantis, S. (under contract). *Sensation & Perception*. New York: Worth Publishers.
- Yantis, S. (Vol. Ed.) & Pashler, H. (Series Ed.) (2002). *Stevens' Handbook of Experimental Psychology, 3e. Volume 1: Sensation and Perception*. New York: Wiley.
- Yantis, S. (Ed.). (2000). *Visual Perception: Essential Readings*. Philadelphia: Psychology Press.

JOURNAL ARTICLES

[Note: Many of these papers can be downloaded at psy.jhu.edu/~yantis/yantis-vita.htm in the PUBLICATIONS section]

- Yantis, S. (2008). Neural basis of selective attention: Cortical sources and targets of attentional modulation. *Current Directions in Psychological Science, 17*, 86-90.
- Kelley, T., Serences, J. T., Giesbrecht, G., & Yantis, S. (2008). Cortical mechanisms for shifting and holding visuospatial attention. *Cerebral Cortex, 18*, 114-125.
- Dilks, D. D., Serences, J.T., Rosenau, B.J., Yantis, S., & McCloskey, M. (2007). Human adult cortical reorganization and consequent visual distortion. *Journal of Neuroscience, 27*, 9585-9594.
- Serences, J. T. & Yantis, S. (2007) Representation of attentional priority in human occipital, parietal, and frontal cortex. *Cerebral Cortex, 17*, 284-293.
- Qiu, A., Rosenau, B.J., Greenberg, A.S., Barta, P., Yantis, S., Miller, M.I. (2006). Estimating linear cortical magnification in human primary visual cortex via dynamic programming. *NeuroImage, 31*, 125-138.
- Rauschenberger, R., & Yantis, S. (2006). Perceptual encoding efficiency in visual search. *Journal of Experimental Psychology: General, 135*, 116-131.
- Rauschenberger, R., Liu, T., Slotnick, S.D., & Yantis, S. (2006). Temporally unfolding neural representation of pictorial occlusion. *Psychological Science, 17*, 358-364.
- Serences, J.T. & Yantis, S. (2006). Selective visual attention and perceptual coherence. *Trends in Cognitive Sciences, 10*, 38-45.

- Shomstein, S. & Yantis, S. (2006). Parietal cortex mediates voluntary control of spatial and nonspatial auditory attention. *Journal of Neuroscience*, *26*, 435-439.
- Lu, H., Basso, G., Serences, J.T., Yantis, S., Golay, X., & van Zijl, P.C.M. (2005). Retinotopic mapping in human visual cortex using vascular-space-occupancy (VASO) dependent fMRI. *NeuroReport*, *16*, 1635-1640.
- Serences, J.T., Shomstein, S., Leber, A., Golay, X., Egeth, H., & Yantis, S. (2005). Coordination of voluntary and stimulus-driven attentional control in human cortex. *Psychological Science*, *16*, 114-122.
- Slotnick, S.D. & Yantis, S. (2005). Common neural substrates for the control and effects of visual attention and perceptual bistability. *Cognitive Brain Research*, *24*, 97-108.
- Yantis, S. (2005). How salient stimuli win the battle for awareness. *Nature Neuroscience*, *8*, 975-977.
- Serences, J., Liu, T., & Yantis, S. (2005). Parietal mechanisms of switching and maintaining attention to locations, objects, and features. In L. Itti, G. Rees, & J. Tsotsos (Eds.) *Neurobiology of Attention* (pp. 35-41). New York: Academic Press.
- Shomstein, S., & Yantis, S. (2004). Control of attention shifts between vision and audition in human cortex. *Journal of Neuroscience*, *24*, 10702-10706.
- Sunness, J.S., Liu, T., & Yantis, S. (2004). Retinotopic mapping of the visual cortex using fMRI in a patient with central scotomas from atrophic macular degeneration. *Ophthalmology*, *111*, 1595-1598.
- Serences, J.T., Yantis, S., Culbertson, A., & Awh, E. (2004). Preparatory activity in visual cortex indexes distractor suppression during covert spatial orienting. *Journal of Neurophysiology*, *92*, 3538-3545.
- Shomstein, S., & Yantis, S. (2004). Configural and contextual prioritization in object-based attention. *Psychonomic Bulletin & Review*, *11*, 247-253.
- Liu, T., Slotnick, S.D., & Yantis, S. (2004). Human MT+ mediates perceptual filling-in during apparent motion. *NeuroImage*, *21*, 1772-1780.
- Serences, J.T., Schwarzbach, J., Courtney, S. M., Golay, X., & Yantis, S. (2004). Control of object-based shifts of visual attention in human cortex. *Cerebral Cortex*, *14*, 1346-1357.
- Connor, C. E., Egeth, H. E., & Yantis, S. (2004). Visual attention: Bottom-up vs. top-down. *Current Biology*, *14*, 850-852.
- Yantis, S., & Serences, J. (2003). Neural mechanisms of space-based and object based attentional control. *Current Opinion in Neurobiology*, *13*, 187-193 .
- Liu, T., Slotnick, S., Serences, J., & Yantis, S. (2003). Cortical mechanisms of feature-based attentional control. *Cerebral Cortex*, *13*, 1334-1343.
- Slotnick, S.D., Schwarzbach, J., and Yantis, S. (2003) Attentional inhibition of visual processing in human striate and extrastriate cortex. *NeuroImage*, *19*, 1602-1611.
- Yantis, S. (2003). To see is to attend. *Science*, *299*, 54-56.
- Slotnick, S.D., & Yantis, S. (2003). Efficient acquisition of human retinotopic maps. *Human Brain Mapping*, *18*, 22-29.
- Yantis, S., Schwarzbach, J., Serences, J., Carlson, R., Steinmetz, M.A., Pekar, J.J., & Courtney, S. (2002). Transient neural activity in human parietal cortex during spatial attention shifts. *Nature Neuroscience*, *5*, 995-1002.
- Shomstein, S., & Yantis, S. (2002). Object-based attention: Sensory modulation or priority setting? *Perception & Psychophysics*, *64*, 41-51.
- Enns, J. T., Austen, E., Di Lollo, V., Rauschenberger, R., & Yantis, S. (2001). New objects dominate luminance transients in attentional capture. *Journal of Experimental Psychology: Human Perception & Performance*, *27*, 1287-1302.
- Rauschenberger, R., & Yantis, S. (2001). Attentional capture by globally-defined objects. *Perception & Psychophysics*, *63*, 1250-1261.
- Rauschenberger, R., & Yantis, S. (2001). Masking unveils pre-amodal completion representation in visual search. *Nature*, *410*, 369-372.
- Yantis, S. (2000). Goal-directed and stimulus-driven determinants of attentional control. In S. Monsell & J. Driver (Eds.), *Attention and Performance* (Vol 18, pp. 73-103). Cambridge, MA: MIT Press.
- Di Lollo, V., Enns, J. T., Yantis, S., & Dechief, L.G. (2000). Response latencies to the onset and offset of visual stimuli. *Perception & Psychophysics*, *62*, 218-225.

- Yantis, S., & Egeth, H. E. (1999). On the distinction between visual salience and stimulus-driven attentional capture. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 661-676.
- Yantis, S. (1999). Seeing is attending. [Review of A. Mack & I. Rock, *Inattention blindness*.] *Contemporary Psychology*, *44*, 314-316.
- Moore, C., Yantis, S., & Vaughan, B. (1998). Object-based visual selection: Evidence from perceptual completion. *Psychological Science*, *9*, 104-110.
- Yantis, S. (1998). Objects, attention, and perceptual experience. In R. Wright (Ed.), *Visual Attention*. (pp. 187-214). New York: Oxford University Press.
- Yantis, S. (1998). How the brain holds our attention [Review of R. Parasuraman (Ed.), *The attentive brain*]. *Nature*, *395*, 857-858
- Yantis, S. (1998). Control of visual attention. In H. Pashler (Ed.), *Attention* (pp. 223-256). London: Psychology Press.
- Yantis, S., & Nakama, T. (1998). Visual interactions in the path of apparent motion. *Nature Neuroscience*, *1*, 508-512.
- Kramer, P., & Yantis, S. (1997). Perceptual grouping in space and time: Evidence from the Ternus display. *Perception & Psychophysics*, *59*, 87-99.
- Egeth, H. E., & Yantis, S. (1997). Visual attention: Control, representation, and time course. *Annual Review of Psychology*, *48*, 269-297.
- Yantis, S., & Jonides, J. (1996). Attentional capture by abrupt visual onsets: New perceptual objects or visual masking? *Journal of Experimental Psychology: Human Perception and Performance*, *22*, 1505-1513.
- Yantis, S. (1996). Attentional capture in vision. In A. Kramer, M. Coles, & G. Logan (Eds.), *Converging operations in the study of selective visual attention* (pp. 45-76). Washington, DC: American Psychological Association.
- Yantis, S. (1995). Perceived continuity of occluded visual objects. *Psychological Science*, *6*, 182-186.
- Johnson, D. N., & Yantis, S. (1995). Allocating visual attention: Tests of a two-process model. *Journal of Experimental Psychology: Human Perception and Performance*, *21*, 1376-1390.
- McCloskey, M., Rapp, B., Yantis, S., Rubin, G., Bacon, W. F., Dagnelie, G., Gordon, B., Alimososa, D., Boatman, D., Badecker, W., Johnson, D. N., Tusa, R. J., Reign, E. (1995). A developmental deficit in localizing objects from vision. *Psychological Science*, *6*, 112-117.
- Yantis, S. (1994). Attention. In R. J. Sternberg (Ed.), *Encyclopedia of Human Intelligence* (Vol. 1, pp. 146-152). New York: MacMillan Publishing Co.
- Yantis, S., & Gibson, B. S. (1994). Object continuity in motion perception and attention. Special Issue on Visual Attention, *Canadian Journal of Experimental Psychology*, *48*, 182-204.
- Hillstrom, A. P., & Yantis, S. (1994). Visual motion and attentional capture. *Perception & Psychophysics*, *55*, 399-411.
- Yantis, S., & Hillstrom, A. P. (1994). Stimulus-driven attentional capture: Evidence from equiluminant visual objects. *Journal of Experimental Psychology: Human Perception and Performance*, *20*, 95-107.
- Mordkoff, J. T., & Yantis, S. (1993). Dividing attention between color and shape: Evidence of coactivation. *Perception & Psychophysics*, *53*, 357-366.
- Yantis, S. (1993). Stimulus-driven attentional capture and attentional control settings. *Journal of Experimental Psychology: Human Perception and Performance*, *19*, 676-681.
- Yantis, S. (1993). Stimulus-driven attentional capture. *Current Directions in Psychological Science*, *2*, 156-161.
- Yantis, S. (1992). Developmental perspectives on attention [Review of *The development of attention: Research and Theory*, Edited by J. T. Enns]. *Contemporary Psychology*, *37*, 347-348.
- Yantis, S. (1992). Multielement visual tracking: Attention and perceptual organization. *Cognitive Psychology*, *24*, 295-340.
- Remington, R., Johnston, J. C., & Yantis, S. (1992). Attentional capture by abrupt onsets. *Perception & Psychophysics*, *51*, 279-290.
- Yantis, S., Meyer, D.E., & Smith, J. E. K. (1991). Analyses of multinomial mixture distributions: New tests for stochastic models of cognition and action. *Psychological Bulletin*, *110*, 350-374.
- Yantis, S., & Jones, E. (1991). Mechanisms of attentional selection: Temporally-modulated priority tags. *Perception & Psychophysics*, *50*, 166-178.

- Mordkoff, J.T. & Yantis, S. (1991). An interactive race model of divided attention. *Journal of Experimental Psychology: Human Perception and Performance*, 17, 520-538.
- Yantis, S., & Johnson, D. N. (1990). Mechanisms of attentional priority. *Journal of Experimental Psychology: Human Perception and Performance*, 16, 812-825.
- Mordkoff, J.T., Yantis, S., & Egeth, H.E. (1990). Detecting conjunctions of color and form in parallel. *Perception & Psychophysics*, 48, 157-168.
- Yantis, S. & Johnston, J.C. (1990). On the locus of visual selection: Evidence from focused attention tasks. *Journal of Experimental Psychology: Human Perception and Performance*, 16, 135-149.
- Yantis, S. & Jonides, J. (1990). Abrupt visual onsets and selective attention: Voluntary vs. automatic allocation. *Journal of Experimental Psychology: Human Perception and Performance*, 16, 121-134. [Reprinted in M. Bertamini & M. Kubovy (Eds.) (2006). *The International Library of Psychology: Human Perception*. Hampshire, UK: Ashgate Publishing Ltd.]
- Meyer, D.E., Osman, A.M., Irwin, D.E., & Yantis, S. (1988). Modern mental chronometry. *Biological Psychology*, 26, 3-67.
- Yantis, S. & Meyer, D.E. (1988). Dynamics of activation in semantic and episodic memory. *Journal of Experimental Psychology: General*, 117, 130-147.
- Jonides, J. & Yantis, S. (1988). Uniqueness of abrupt stimulus onset in capturing attention. *Perception & Psychophysics*, 43, 346-354.
- Yantis, S. (1988). On analog movements of visual attention. *Perception & Psychophysics*, 43, 203-206.
- Yantis, S. (1985). *Dynamics of retrieval from lexical memory*. Doctoral dissertation, University of Michigan, Ann Arbor.
- Meyer, D. E., Yantis, S., Osman, A., & Smith, J. E. K. (1985). Temporal properties of human information processing: Tests of discrete versus continuous models. *Cognitive Psychology*, 17, 445-518.
- Davidson, A. R., Yantis, S., Norwood, M., & Montano, D. E. (1985). Amount of information about the attitude object and attitude-behavior consistency. *Journal of Personality and Social Psychology*, 49, 1184-1198.
- Yantis, S. & Jonides, J. (1984). Abrupt visual onsets and selective attention: Evidence from visual search. *Journal of Experimental Psychology: Human Perception & Performance*, 10, 601-621.
- Goldberg, J. H., Meyer, D. E., Yantis, S., & Langolf, G. D. (1984). Temporal processing during the mental rotation of misoriented letters. In A. Mital (Ed.), *Trends in ergonomics/human factors I* (pp. 227-232). Amsterdam: North-Holland.
- Jonides, J. & Yantis, S. (1984). [Review of Spoehr & Lehmkuhle, *Visual information processing*]. *American Journal of Psychology*, 97, 134-137.
- Meyer, D. E., Yantis, S., Osman, A., & Smith, J. E. K. (1984). Discrete versus continuous models of response preparation: A reaction time analysis. In S. Kornblum & J. Requin (Eds.), *Preparatory states and processes* (pp. 69-94). Hillsdale, NJ: Erlbaum.
- Jonides, J., Irwin, D. E., & Yantis, S. (1983). Failure to integrate information from successive fixations. *Science*, 222, 188.
- Irwin, D. E., Yantis, S., & Jonides, J. (1983). Evidence against visual integration across saccadic eye movements. *Perception & Psychophysics*, 34, 49-57.
- Lansman, M., Donaldson, G, Hunt, E., & Yantis, S. (1982). Ability factors and cognitive processes. *Intelligence*, 4, 347-386.
- Jonides, J., Irwin, D. E., & Yantis, S. (1982). Integrating visual information from successive fixations. *Science*, 215, 192-194.

MEETING PAPERS AND TALKS

- 2009
 Rosenau, B.J., Esterman, M., Chiu, Y.-C., & Yantis, S. (2009, May). A domain-independent source of cognitive control for shifting attention in vision and working memory. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.

- Esterman, Chiu, Y.-C., Gmeindl, L., Courtney, S.M., & Yantis, S. (2009, May). Decoding neural mechanisms of purely voluntary shifts of attention. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Chiu, Y.-C., Esterman, M., Rosen, H., & Yantis, S. (2009, May). Decoding distinct modes of face categorization in the cortical face network. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.

2008

- Gmeindl, L., Gao, J., Yantis, S. & Courtney, S. (2008, November). Neural mechanisms of purely voluntary covert shifts of attention. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- Rosenau, B.J. & Yantis, S. (2008, November). Dissociating cognitive operations in working memory. Poster presented at the Annual Meeting of Object Perception and Memory, Chicago.
- Esterman, M. & Yantis, S. (2008, May). Category expectation modulates object-selective cortical activity. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Chiu, Y.-C., Esterman, M., & Yantis, S. (2008, May). Decoding cognitive control in the parietal cortex. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Rosenau, B., Greenberg, A.S., Sunness, J., & Yantis, S. (2008, May). Cortical lesion projection zone activity in macular degeneration patients is caused by object-specific feedback, not plasticity. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Greenberg, A.S. & Yantis, S. (2008, May). An objective measure of the relative strength of perceptual grouping cues using object-based attention. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Moher, J., Egeth, H., Stuphorn, V., & Yantis, S. (2008, May). Top-down control modulates the effect of capture based on distractor probability. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

2007

- Kelley, T. A. & Yantis, S. (2007, November). Neural correlates of learning to attend. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego.
- Rosenau, B. & Yantis, S. (2007, November). Domain-independent selection in visual attention and working memory. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego.
- Chiu, Y.C. & Yantis, S. (2007, November). Cortical mechanisms of cognitive control for attention shifting and task switching. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego.
- Moher, J., Abrams, J., Egeth, H., Stuphorn, V. & Yantis, S. (2007, November). Changes in distractor expectation affect attentional and oculomotor capture. Poster presented at the annual meeting of the Object Perception and Memory conference, Long Beach, CA.
- Kelley, T.A. & Yantis, S. (2007, May). Stimulus-specific improvements in attention with practice. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Chiu, Y.C. & Yantis, S. (2007, May). Cortical mechanisms of cognitive control for attention shifting and task switching. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

2006

- Chiu, Y.-C., & Yantis, S. (2006, November). RT costs of shifting spatial attention and task set. Paper presented at the Annual Meeting of the Psychonomic Society, Dallas.
- Greenberg, A.S., Wilson, D.E., Serences, J.T., & Yantis, S. (2006, October). Sources and targets of space-based and feature-based attention in human cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, Atlanta.
- Yantis, S., Greenberg, A.S., & Wilson, D. (2006, August). Domain-independent mechanisms of cognitive control. Paper presented at the annual meeting of CSAIL, Hood River, OR.
- Greenberg, A.S., Serences, J.T., & Yantis, S. (2006, April). Object-based attention does not automatically spread throughout an object. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Serences, J.T. & Yantis, S. (2006, January). Representing and reconfiguring attentional priority in human visual cortex. Annual Interdisciplinary Conference, Jackson Hole, Wyoming.

2005

- Greenberg, A.S., Wilson, D.E. & Yantis, S. (2005, November). Domain-independent attention shift signals in human frontoparietal cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- Wilson, D.E., Serences, J.T., Greenberg, A.S. & Yantis, S. (2005, November). Dissociating task switching components with behavioral and cortical measures. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- Kelley, T. A., Serences, J.T., Giesbrecht, B., & Yantis, S. (2005, November). Control of covert visual attention in human cortex: decoupling attention and fixation versus shifting attention. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- Serences, J., & Yantis, S. (2005, November). Representation of attentional priority in human occipital, parietal, and prefrontal cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.

- Serences, J.T., & Yantis, S. (2005, November). Distributed representation of attentional priority in human cortex. Paper presented at the Annual Meeting of the Psychonomic Society, Toronto.
- Qiu, A., Rosenau, B.J., Greenberg, A.S., Barta, P., Yantis, S., & Miller, M.I. (2005, September). Localizing fMRI retinotopic activation in human primary visual cortex via dynamic programming. Paper presented at the annual meeting of the IEEE Engineering in Medicine and Biology Society, Shanghai.
- Yantis, S. & Serences, J. (2005, August). Perceptual coherence fields and selective attention. Paper presented at the annual meeting of CSAIL, Hood River, OR.
- Rosenau, B.J., Greenberg, A.S., Sunness, J. S., Qiu, A., Barta, P., Miller, M.I., & Yantis, S. (2005, June). Retinal lesion projection zones identified in visual cortex using fMRI. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Toronto.
- Qiu, A., Greenberg, A.S., Rosenau, B.J., Yantis, S., Barta, P., & Miller, M.I. (2005, June). Linear cortical magnification within human primary visual cortex via dynamic programming. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Toronto.
- Jones, C.K., Serences, J.T., Yantis, S., Mori, S., Pekar, J.J., van Zijl, P.C. (2005, May). Retinotopic connectivity revealed by DTI. Paper presented at the annual meeting of the International Society for Magnetic Resonance in Medicine, Miami.
- Sunness, J.S., Rosenau, B. Greenberg, A., Applegate, C.A., & Yantis, S. (2005, May). Retinotopic mapping in patients with scotomas from retinal disease. Poster presented at the annual meeting of the Association for Research on Vision and Ophthalmology, Ft. Lauderdale.
- Yantis, S., & Serences, J. T. (2005, April). Cortical mechanisms of attentional control. Paper presented at invited symposium "The salience map from psychological, computational, and neurophysiological perspectives." Annual meeting of the Cognitive Neuroscience Society, New York.

2004

- Serences, J.T. & Yantis, S. (2004, November). Attentional priority maps in human cortex. Poster presented at the Annual meeting of the Psychonomic Society, Minneapolis.
- Dilks, D., McCloskey, M., Serences, J.T., & Yantis, S. (2004, November). The El Greco effect: Perceptual distortion from visual cortical reorganization. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis.
- Wilson, D. E., Serences, J.T., & Yantis, S. (2004, November). Cortical control of attention and response set in task switching. Poster presented at the Annual meeting of the Society for Neuroscience, San Diego.
- Shomstein, S. & Yantis, S. (2004, November). Parietal cortex mediates spatial and nonspatial shifts of attention in multiple modalities. Poster presented at the Annual meeting of the Society for Neuroscience, San Diego.
- Serences, J.T., Rosenau, B., & Yantis, S. (2004, November). Top-down modulation of attentional capture by abrupt onsets in human cortex. Paper presented at the Annual meeting of the Society for Neuroscience, San Diego.
- Yantis, S., Serences, J.T., & Egeth, H. E. (2004, August). Stimulus-driven and goal directed attentional control in human cortex. Paper presented at 28th International Congress of Psychology, Beijing.
- Yantis, S., Serences, J.T., Schwarzbach, J., Shomstein, S., & Liu, T. (2004, August). Cortical mechanisms of attentional control. Paper presented at 28th International Congress of Psychology, Beijing.
- Shomstein, S., & Yantis, S. (2004, June). Control of auditory attention shifts in human cortex. Poster presented at the 10th Annual Meeting of the Organization for Human Brain Mapping, Budapest, Hungary.
- Lu, H., Basso, G., Serences, J.T., Yantis, S., Golay, X., Pekar, J.J., & van Zijl, P.C. (2004, May). Retinotopic mapping in human visual cortex using Vascular-Space-Occupancy (VASO) dependent fMRI. Paper presented at the Annual Meeting of the International Society for Magnetic Resonance in Medicine, Kyoto, Japan.
- Kelley, T.A., Serences, J.T., & Yantis, S. (2004, April). Dorsal frontoparietal network involvement in shifting and maintaining spatial attention. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco.
- Serences, J. T., Yantis, S., & Awh, E. (2004, April). Preparatory activity in visual cortex indexes distractor suppression during covert spatial orienting. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco.

2003

- Serences, J. T., Yantis, S., & Awh, E. (2003, November). Prior probability of visual noise modulates biased competition in visual cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, New Orleans.
- Shomstein, S., & Yantis, S. (2003, November). Control of attention shifts between vision and audition in human cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, New Orleans.
- Yantis, S. (2003, November). Mechanisms of attentional control in human cortex. Invited talk delivered in the "Cognitive Neuroscience of Attention" Symposium, Annual Meeting of the Psychonomic Society, Vancouver.
- Yantis, S. (2003, June). Sustained and transient mechanisms of attentional control. Invited talk delivered at the International Workshop on Visual Attention, San Miniato, Italy.
- Yantis, S. (2003, June). Cortical mechanisms of stimulus-driven attentional control. Invited talk delivered at the Munich Visual Search Symposium, Munich, Germany.
- Yantis, S. (2003, May). Mechanisms of attentional control in human cortex. Invited talk delivered at the Seventh International Conference on Cognitive and Neural Systems, Boston, MA.

Rauschenberger, R., Liu, T., Slotnick, S., & Yantis, S. (2003, May). Cortical representation of pictorial occlusions in early visual areas and LOC. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Liu, T., Rauschenberger, R., Slotnick, S., & Yantis, S. (2003, March). Timecourse of amodal completion revealed by repetition priming in fMRI. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York.

Serences, S., & Yantis, S. (2003, March). Interaction between top-down and bottom-up attentional control in visual and parietal cortex. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York.

2002

Liu, T., Slotnick, S.D., Nakama, T., & Yantis, S. (2002, November). Filling in the path of apparent motion in human cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, Orlando, FL.

Slotnick, S.D. & Yantis, S. (2002, November). Control of focused versus distributed spatial attention. Paper presented at the Annual Meeting of the Society for Neuroscience, Orlando, FL.

Serences, J.T., Liu, T., Slotnick, S. D., & Yantis, S. (2002, November). Neural mechanism of feature-based attentional control. Poster presented at the Annual Meeting of the Society for Neuroscience, Orlando, FL.

Liu, T., Slotnick, S., & Yantis, S. (2002, May) Neural basis of feature-based attentional control. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Shomstein, S., & Yantis, S. (2002, May) The role of strategic scanning in object-based attention. Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Slotnick, S., & Yantis, S. (2002, April). Modulation of early visual areas by shifts of bistable perception and spatial attention Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco.

Serences, J.T., Shomstein, S., Leber, A., Egeth, H., & Yantis, S. (2002, April). Neural mechanisms of goal-directed and stimulus-driven attentional control. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco.

Slotnick, S. D., & Yantis, S. (2002, April). Neural basis of voluntary control over perceptual bistability. Paper presented at "Toward a Science of Consciousness" Tucson, AZ.

2001

Serences, J., Shomstein, S., Leber, A., Yantis, S., & Egeth, H. E. (2001, November). Neural mechanisms of stimulus-driven and goal-directed attentional control. Paper presented at the Annual Meeting of the Psychonomic Society, Orlando, FL.

Yantis, S., Serences, J., Schwarzbach, J., Steinmetz, M., & Courtney, S. (2001, November). Neural basis of space-based and object-based attentional control. Paper presented at the Annual Meeting of the Psychonomic Society, Orlando, FL.

Schwarzbach, J., Mikula, S. A., Yantis, S., Niebur, E., Connor, C. E. (2001, November). Areal segregation in prefrontal cortex for unimodal- and cross-modal association: An event-related fMRI study. Paper presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.

Slotnick, S., Schwarzbach, J., & Yantis, S. (2001, November). Attentional inhibition in human striate and extrastriate cortex. Paper presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.

Serences, J., Schwarzbach, J., & Yantis, S. (2001, November). Neural basis of object-based attentional control. Paper presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.

Rauschenberger, R., & Yantis, S. (2001, May). What counts as an object in the new object hypothesis of attentional capture? Poster presented at the Annual Meeting of the Vision Sciences Society, Sarasota, FL.

2000

Shomstein, S., & Yantis, S. (2000, November). The role of strategic scanning in object-based attention. Paper presented at the Object Perception and Attention Meeting, New Orleans.

Yantis, S., Schwarzbach, J., Carlson, R., Pekar, J.J., Steinmetz, M.A., & Courtney, S. (2000, November). Control of spatial attention shifts between RSVP streams revealed by rapid event-related fMRI. Paper presented at the Annual Meeting of the Society for Neuroscience, New Orleans.

Nakama, T., Lane, J.W., Fitzgerald, P.J., Sripathi, A., Yantis, S., Johnson, K. O., & Hsiao, S.S. (2000, November). Attentional modulation of bilateral neuronal responses in the secondary somatosensory cortex during an orientation discrimination task. Paper presented at the Annual Meeting of the Society for Neuroscience, New Orleans.

Schwarzbach, J., Yantis, S., Carlson, R., Steinmetz, M., & Courtney, S. (2000, August). Shifts of spatial attention: fMRI evidence. Paper presented at the Annual Meeting of the European Conference on Visual Perception, Gronigen, The Netherlands.

Yantis, S., Schwarzbach, J., Carlson, R., Steinmetz, M.A., & Courtney, S. (2000, June). Shifts of spatial attention between continuous RSVP streams using event-related fMRI. Poster presented at the 6th Annual Meeting of the Organization for Human Brain Mapping, San Antonio, TX.

Rauschenberger, R., & Yantis, S. (2000, May). Completing the picture: Early representations of amodally completed objects in visual search. Poster presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.

- Yantis, S., Carlson, R., Schwarzbach, J., Steinmetz, M., & Courtney, S. (2000, April). Shifts of spatial attention between continuous RSVP streams using event-related fMRI. Poster presented at the 4th Annual Vision Research Conference, Ft. Lauderdale, FL.
- Rauschenberger, R., & Yantis, S. (2000, March). What can search asymmetries really tell us? Paper presented at the Annual Meeting of the Eastern Psychological Association, Baltimore.

1999

- Shomstein, S., & Yantis, S. (1999, November). Constraints on object-based modulation of attention. Paper presented at the Object Perception and Attention Meeting, Los Angeles.
- Rauschenberger, R., & Yantis, S. (1999, November). Search asymmetry revisited: A new approach to visual search. Poster presented at the 40th Annual Meeting of the Psychonomic Society, Los Angeles.
- Yantis, S., & Vaughan, B. (1999, August). Object continuity under occlusion. Invited talk presented at the 21st Annual Meeting of the Cognitive Science Society, Vancouver, BC, Canada.
- Yantis, S., & Nakama, T. (1999, May). Visual feedback as revealed by motion masking. Poster presented at the 3rd Annual Vision Research Conference, Fort Lauderdale, FL.
- Vaughan, B., & Yantis, S. (1999, May). Information preservation during occlusion. Poster presented at the 39th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Yantis, S. (1999, April). Attentional control in visual scene perception: A cognitive perspective. Invited paper, "Attentional processes in selective perception and working memory" Symposium at the Annual Meeting of the Cognitive Neuroscience Society, Washington, DC.

1998

- Van Zandt, T., & Yantis, S. (1998, Nov.). Optimal methods for fitting reaction time distributions. Poster presented at the 39th Annual Meeting of the Psychonomic Society, Dallas.
- Van Zandt, T., & Yantis, S. (1998, August). Parameter estimation by fits to density and distribution functions. Paper presented at the Annual Meeting of the Society for Mathematical Psychology, Vanderbilt University.
- Yantis, S. (1998, July). Mechanisms of attentional control. Invited paper presented at the 18th Annual Symposium on Attention and Performance, Windsor, England.
- Rauschenberger, R., & Yantis, S. (1998, May). Attentional capture across levels of representation. Poster presented at the 38th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Nakama, T., Yantis, S., & Rudd, M. (1998, May). Motion masking reflected in detection threshold. Poster presented at the 38th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Enns, J. T., Yantis, S., & Di Lollo, V. (1998, May). Luminance transients capture attention, but only in "new" display locations. Paper presented at the 38th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.

1997

- Yantis, S. (1997, December). Perceived spatiotemporal continuity: Implications for perception and attention. Invited paper presented at the National Institute of Bioscience and Human Technology International Workshop on Visual Cognition, Tsukuba, Japan.
- Yantis, S., & Nakama, T. (1997, November). Real masking by apparent motion. Paper presented at the 38th Annual Meeting of the Psychonomic Society, Chicago.
- Grandison, T., Vaughan, B., & Yantis, S. (1997, May). Context affects attentional capture by object onsets. Poster presented at the 37th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.

1996

- Hillstrom, A., Yantis, S., & Grandison, T. (1996, November). Attentional capture when attention is engaged. Poster presented at the 37th Annual Meeting of the Psychonomic Society, Chicago.
- Vaughan, B., Law, M., Abrams, R., & Yantis, S. (1996, November). Attentional capture by illusory objects. Poster presented at the 37th Annual Meeting of the Psychonomic Society, Chicago.
- Yantis, S. (1996, July). On the representational basis for visual selection: What is the stimulus that attention selects? Paper presented at the 3rd Annual CSAIL meeting, Hood River, OR.
- Yantis, S. (1996, February). Visual attention and perceptual objects. Invited address presented at the meeting of the Lake Ontario Vision Establishment, Niagara Falls, New York.
- Yantis, S., & Moore, C. (1995, November). Spread of visual attention behind an occluding surface. Paper presented at the 36th Annual Meeting of the Psychonomic Society, Los Angeles.

1995

- Yantis, S. (1995, August). Visual attention and perceptual objects. Invited address presented upon receipt of the 1994 APA Distinguished Scientific Award for Early Career Contribution to Psychology. 103rd Annual Meeting of the American Psychological Association, New York.
- Hillstrom, A. P., & Yantis, S. (1995, May). Repetition effects in visual search: Categorical or specific? Poster presented at the 35th Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Yantis, S. (1995, May). On the continuity of perceptual experience: Implications for perception and attention. Invited talk presented at the Banff Annual Seminar in Cognitive Science, Banff, Alberta, Canada.
- Vaughan, B., & Yantis, S. (1995, April). Endogenous suppression of transient attentional capture. Paper presented at the Annual Meeting of the Eastern Psychological Association, Boston.
- Yantis, S. (1995, February). Objects, attention, and perceptual experience. Invited talk presented at the 1995 Vancouver Conference on Visual Attention, Simon Fraser University, Vancouver, BC, Canada.

1994

- Yantis, S. (1994, November). Perceived spatiotemporal continuity of occluded objects. Paper presented at the 35th Annual Meeting of the Psychonomic Society, St. Louis.
- Johnson, D. N., & Yantis, S. (1994, November). Models of attention allocation in cued visual search. Poster presented at the 35th Annual Meeting of the Psychonomic Society, St. Louis.
- Gibson, B. G., & Yantis, S. (1994, November). Object-specific preview slows visual search. Poster presented at the 35th Annual Meeting of the Psychonomic Society, St. Louis.
- Yantis, S. (1994, May). Attentional capture in vision. Invited talk presented at "Converging Operations in the Study of Visual Selective Attention," University of Illinois, Champaign, IL.
- Yantis, S., & Egeth, H. E. (1994, May). Visual salience and stimulus-driven attentional capture. Poster presented at the 34th Annual Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.
- Kramer, P., & Yantis, S. (1994, May). Perceptual grouping and apparent motion. Poster presented at the 34th Annual Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.
- Yantis, S. (1994, January). Perceptual objects and attentional capture. Paper presented at the Annual Interdisciplinary Conference, Jackson Hole, WY.

1993

- Yantis, S. (1993, November). Object continuity in motion perception and attention. Paper presented at the 34th Annual Meeting of the Psychonomic Society, Washington, DC.
- Yantis, S. (1993, June). Visual attention and perceptual objects. Invited tutorial presented at the SISSA Theoretical Cognitive Neuropsychology Seminar on Attentional Processes and their Disorders, Trieste, Italy.

1992

- Yantis, S. (1992, December). Mechanisms of human visual attention: Bottom-up and top-down influences. Invited paper presented in the Computational Models of Visual Attention Workshop at the 6th Annual Conference on Neural Information Processing Systems, Vail, CO.
- Yantis, S., & Hillstrom, A. P. (1992, November). Stimulus-driven attentional capture. Paper presented at the 33rd Annual Meeting of the Psychonomic Society, St. Louis.
- Hillstrom, A. P., & Yantis, S. (1992, April). Attentional capture by visual motion. Paper presented at the 62nd Annual Meeting of the Eastern Psychological Association, Boston.

1991

- Mordkoff, J. T., & Yantis, S. (1991, November). Dividing attention between color and shape: Extensions to the interactive race model. Poster presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco.
- Yantis, S., & Hillstrom, A. P. (1991, November). Attentional capture by equiluminant objects. Paper presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco.
- Johnson, D. N., & Yantis, S. (1991, April). A strong test of the dual-mode model of visual attention. Paper presented at the 62nd Annual Meeting of the Eastern Psychological Association, New York.
- Mordkoff, J. T., Egeth, H. E., & Yantis, S. (1991, April). An interactive race model of divided attention. Paper presented at the 62nd Annual Meeting of the Eastern Psychological Association, New York.

1990

- Yantis, S., & Johnson, D. N. (1990, November). Stimulus-driven and goal-directed mechanisms of attentional priority. Paper presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans.
- Johnston, J. C., & Yantis, S. (1990, November). Failure to process unattended objects: The search for boundary conditions. Paper presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans.
- Yantis, S. (1990, July). Visually tracking spatial configurations in noise: Qualitative approaches to perceptual organization. Paper presented at the American Association of Artificial Intelligence-90 Workshop on Qualitative Vision, Boston.
- Yantis, S. (1990, August). Attentional priority in vision. Proceedings of the 12th Annual Conference of the Cognitive Science Society, 1050.
- Yantis, S., & Johnson, D. N. (1990, April). Mechanisms of attentional priority. Paper presented at the 61st Annual Meeting of the Eastern Psychological Association, Philadelphia.

1989

- Yantis, S. (1989, November). Dynamic multielement attentional tracking. Paper presented at the 30th Annual Meeting of the Psychonomic Society, Atlanta.
- Mordkoff, J.T., Yantis, S. & Egeth, H.E. (1989, April). Parallel processing of color and form. Paper presented at the 60th Annual Meeting of the Eastern Psychological Association, Boston.
- Johnson, D. & Yantis, S. (1989, April). Automaticity and attentional capture. Paper presented at the 60th Annual Meeting of the Eastern Psychological Association, Boston.

before 1989

- Egeth, H.E. & Yantis, S. (1988, December). Attention: A tutorial review. Invited paper presented at the Second Cognitive Neuropsychology Workshop, The Johns Hopkins University, Baltimore.
- Mordkoff, J.T. & Yantis, S. (1988, April). Partial output models of information processing: Renewed evidence from response preparation tasks. Paper presented at the 59th Annual Meeting of the Eastern Psychological Association, Buffalo.
- Meyer, D.E., Osman, A.M., Irwin, D.E., & Yantis, S. (1987, June). Modern mental chronometry: New reaction-time methods for analyzing mental processes. Paper presented at the 4th International Conference on Cognitive Neuroscience, Paris.
- Jonides, J. & Yantis, S. (1986, November). Focusing attention overcomes capture by abrupt onsets. Paper presented at the 27th Annual Meeting of the Psychonomic Society, New Orleans.
- Remington, R., Johnston, J. C., & Yantis, S. (1986, November). Do abrupt onsets capture attention involuntarily? Paper presented at the 27th Annual Meeting of the Psychonomic Society, New Orleans.
- Jonides, J., Abrams, R. A., & Yantis, S. (1986, February). Planning saccadic eye movements. Paper presented at the meeting of the Lake Ontario Vision Establishment, Niagara Falls, Ontario, Canada.
- Yantis, S. & Meyer, D. E. (1985, November). Dynamics of spreading activation in information processing. Paper presented at the 26th Annual Meeting of the Psychonomic Society, Boston.
- Goldberg, J. H., Meyer, D. E., Yantis, S., & Langolf, G. D. (1984, April). Temporal processing characteristics of mental rotation, a measure of spatial intelligence. Paper presented at the 1st Midcentral Ergonomics/Human Factors Conference, Cincinnati.
- Meyer, D. E., Yantis, S., Osman, A., & Smith, J. E. K. (1983, August). Discrete versus continuous models of response preparation. Paper presented at the Franco-American Conference on Preparatory States and Processes, Ann Arbor.
- Yantis, S. & Jonides, J. (1982, November). Transient stimuli and selective attention. Paper presented at the 23rd Annual Meeting of the Psychonomic Society, Minneapolis.
- Meyer, D. E., Osman, A., & Yantis, S. (1982, November). RT mixture distributions: Evidence for finite-state models of response preparation. Paper presented at the 23rd Annual Meeting of the Psychonomic Society, Minneapolis.
- Smith, J. E. K., Meyer, D. E., Yantis, S., & Osman, A. (1982, August). Finite-state models of reaction time: Estimation of latency distributions. Paper presented at the 15th annual meeting of the Society for Mathematical Psychology, Princeton.
- Yantis, S., Meyer, D. E., & Osman, A. (1982, May). Temporal properties of high-speed information processing. Paper presented at the Annual Meeting of the Midwestern Psychological Association, Minneapolis.
- Yantis, S. & Jonides, J. (1982, May). On-transients capture visual attention. Paper presented at the Annual Meeting of the Midwestern Psychological Association, Minneapolis.
- Jonides, J., Irwin, D. E., & Yantis, S. (1981, November). Integrating information from successive fixations. Paper presented at the 22nd Annual Meeting of the Psychonomic Society, Philadelphia.
- Hunt, E., McKee, C., & Yantis, S. (1978, November). Comparison of automated processing paradigms. Paper presented at the 19th Annual Meeting of the Psychonomic Society, San Antonio.

INVITED ADDRESSES AND COLLOQUIA

2008

Harvard University, December

Georgia Institute of Technology, September
 University of Padova, Italy, June
 Oxford University, UK, May
 Invited Keynote Address, 5th International Workshop on Attention in Cognitive Systems, Santorini, Greece, May
 University of Verona, Italy, May
 University of Trento, Italy, May
 Stony Brook University, March
 Invited Symposium Speaker, "'Vision, Attention, and Emotions", Columbia University, March
 New York University, February
 Carnegie-Mellon University, January

2007

University of Otago, Dunedin, New Zealand, June
 Canterbury University, Christchurch, New Zealand, May
 University of Queensland, Brisbane, Australia, April
 University of Sydney, Australia, April
 Second International Workshop on Visual Attention, Buenos Aires, March
 Washington University in St. Louis, March
 University of Missouri, March

2006

Invited Symposium Speaker, "Cognitive Neuroscience of Consciousness" 19th Annual Summer Institute in Cognitive Neuroscience, Dartmouth University, July.
 Invited Workshop Speaker, "Auditory and Visual Attention", 10th International Conference on Cognitive and Neural Systems, Boston, May
 Invited Symposium Speaker, "Integrating Top-down and Bottom-up Visual Attention", Annual Meeting of the Vision Sciences Society, Sarasota, May
 University of Birmingham, April
 Institute of Cognitive Neuroscience, University College London, April
 Invited Symposium Speaker, "The shock of the new: Novelty and attention," Experimental Psychology Society (UK) and Dutch Psychonomic Society Joint Meeting, Birmingham, UK, April
 University of Massachusetts, Amherst, March

2005

Boston University, April
 Invited Symposium Speaker, "The salience map from psychological, computational, and neurophysiological perspectives." Annual meeting of the Cognitive Neuroscience Society, New York, April
 University of Pennsylvania, April
 University of Michigan, March
 Invited Symposium Speaker, "Workshop on Attention and Perception" (series of three tutorial lectures), Center for Research in Cognitive Science, National Chung-Cheng University, Taiwan, January
 Johns Hopkins University Department of Neurology Clinical Neuroscience Seminar, January

2004

New York Academy of Sciences VisioNYC Symposium, October
 Krasnow Institute, George Mason University, October
 Invited Symposium Speaker, "Brain Mechanisms for Selective Attention," 28th International Congress of Psychology, Beijing, August
 Invited Symposium Speaker, "Perception and Attention," 28th International Congress of Psychology, Beijing, August
 Key Laboratory of Cognition, Chinese National Academy of Sciences, Beijing, August
 Princeton University, July
 John Merck Fund Summer Institute on the Biology of Developmental Disabilities, Princeton, July
 University of North Carolina at Chapel Hill, April
 Columbia University, March
 Johns Hopkins University Dementia Retreat, January

2003

Invited Symposium Speaker, "Cognitive Neuroscience of Attention," Annual meeting of the Psychonomic Society, Vancouver, November

Brain Imaging Research Branch, National Institute on Drug Abuse, October
 Vanderbilt University, October
 George Mason University, September
 St. Johns College Summer Study Group, July
 Munich Visual Search Symposium, Munich, Germany, June
 Vrije University, Amsterdam, The Netherlands, June
 F. C. Donders Center for Cognitive Neuroimaging, Nijmegen, The Netherlands, June
 International Workshop on Visual Attention, San Miniato, Italy, June
 Seventh International Conference on Cognitive and Neural Systems, Boston, May

2001

Johns Hopkins University Dept of Neuroscience, November
 New York University, November
 University of Maryland, October
 National Institute of Mental Health, September

2000

International Institute for Advanced Scientific Studies Workshop on Visual Attention Mechanisms, Vietri sul Mare, Italy, October
 Krasnow Institute for Advanced Studies, George Mason University, April
 Ohio State University, March
 University of Delaware, March
 University of Toronto, March

1999

Cognitive Science Society, Vancouver, BC, Canada, August
 Cognitive Neuroscience Society Attention Symposium, Washington, DC, April

1998

Carnegie-Mellon University, November
 International Symposium on Attention and Performance, Windsor, England, July

1997

International Workshop on Visual Cognition, NIBH, Tsukuba, Japan, December
 Yale University, September
 SUNY Stony Brook, September
 Rutgers University, May
 Ohio State University, March
 Krieger Mind/Brain Institute, JHU, March
 National Institutes of Health, Bethesda, February

1996

CIAR Workshop on Visual Attention, University of Toronto, November
 University of British Columbia, Vancouver, BC, July
 Lake Ontario Vision Establishment, Niagara Falls, NY, February

1995

Award Address, American Psychological Association Meeting, New York, August
 Banff Annual Seminar in Cognitive Science, Banff, Alberta, May
 Vancouver Conference on Visual Attention, February
 Washington University, January

1994

University of Pennsylvania, October

Converging Operations in the Study of Selective Visual Attention, University of Illinois, May

1993

SISSA Theoretical Cognitive Neuropsychology Seminar on Attentional Processes, Trieste, Italy, June

University of Washington, April

University of Delaware, March

Before 1993

Computational Models of Visual Attention Workshop at the 6th Annual NIPS Conference, Vail, Dec 1992

University of Rochester, October 1991

Brown University, November 1990

Second Cognitive Neuropsychology Workshop, Johns Hopkins University, December 1988

University of Virginia, February 1986

Johns Hopkins University, February 1986

University of California at Santa Barbara, January 1986

NASA/Ames Research Center, March 1985

Stanford University, March 1985

Indiana University, February 1985

University of Iowa, February 1985