

CURRICULUM VITAE

Stephen E. Palmer

Personal Data:

Born: June 1, 1948

Telephone:

(510) 525-8816 (home)
(415) 642-7135 (office)

Education:

B.A., Princeton University, 1970, in Psychology
Ph.D., University of California, San Diego, 1975, in Psychology

Awards and Honors:

Graduated Summa cum laude, Princeton University (1970)
Howard Crosby Warren Prize in Psychology, Princeton University (1969 and 1970)
National Science Foundation Fellowship, UCSD (1971-1974)
Member, Society of Experimental Psychologists (1991-present)
Fellow, American Psychological Association (1991-present)
Invited Address, American Psychological Association Convention (1996)
Member of Governing Board, Psychonomic Society (1996-2000)
Member of Publications Board, Psychonomic Society (1996 - 2001)
Fellow, American Psychological Society (1998-present)
Distinguished Lecturer in Cognitive Science, SUNY Buffalo (4/2000)
Keynote Address, Carnegie Symposium on Perceptual Organization (6/2000)
Eighth Annual Kanizsa Memorial Lecturer, Trieste, Italy (10/2000)
Chair of Publications Board, Psychonomic Society (2000-2002)
Chair of Governing Board, Psychonomic Society (2001-2002)
Sixth Annual Rock Memorial Lecturer, Berkeley, CA (4/2002)

Academic Appointments:

Assistant Professor, University of California, Berkeley (1974-1980)
Associate Professor, University of California, Berkeley (1980-1984)
Visiting Scholar, Wolfson College, University of Cambridge (1984)
Visiting Scholar, MRC Applied Psychology Unit, Cambridge, England (1984)
Professor, University of California, Berkeley (1984-present)
Director, Institute of Cognitive Studies, U.C. Berkeley (1990-2000)
Director, Undergraduate Major in Cognitive Science, U.C. Berkeley (1990-2000)

Professional Affiliations:

American Psychological Association
American Psychological Society
Cognitive Science Society
Psychonomic Society

Research and Training Grants:

"The representation of Perceptual Structure," Biomedical Research Grant, National Institutes of Health, 1974-1975.

"Configural Effects in Visual Perception," Biomedical Research Grant, National Institutes of Health, 1978-1979.

"Representation and Processing of Spatial Structure," National Institute of Mental Health, 1979-1984.

"Visual Perception of Spatial Structure," National Science Foundation, 1984-1990.

"Reference Frames in Visual Perception," National Institute of Mental Health, 1989-1993 (with Irvin Rock).

"Rethinking Perceptual Organization," National Institute of mental Health, 1994-2000 (with Irvin Rock).

"Cognitive Science: An integrated approach to spatial cognition." National Science Foundation Graduate Research Training Grant, 1996-2002.

"Aesthetic Science of Color and Spatial Composition," National Science Foundation Grant BCS-0745820, June 2008 to May 2011.

Editorial Service:

Editor:

Cognitive Psychology (1986-1990)
Series in Cognitive Psychology, Bradford Books/MIT Press (1989-2000)

Editorial Board:

Spatial Vision (1985-1992)
Cognitive Psychology (1979-1986; 1990-1996)
Journal of Experimental Psychology: Human Perception and Performance (1981-1986)
Consciousness and Cognition (1992-present)

Ad hoc Reviewer:

Attention, Perception & Psychophysics
American Journal of Psychology
Behavioral and Brain Sciences
Cognition
Journal of Environmental Psychology
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: Learning and Memory
Journal of Theoretical Analysis of Behavior
Journal of Vision
Nature
Nature Neuroscience
Perception
Perception and Psychophysics
Psychological Review
Psychological Science
Science
Vision Research

Service to Government Agencies:

National Institute of Mental Health, outside reviewer of grant proposals
National Science Foundation, outside reviewer of grant proposals

National Science Foundation, Review panel member for NATO-NSF
Postdoctoral Fellowships (1989, 1992)

Dissertation:

Palmer, S. E. *Structural aspects of perceptual organization*. Department of Psychology, University of California, San Diego, 1975.

Publications:

Palmer, S. E., & Ornstein, P. A. (1971) Effects of rehearsal strategy on serial probed recall. *Journal of Experimental Psychology*, 88, 60-66.

Palmer, S. E. (1975) Visual perception and world knowledge: Notes on a model of sensory-cognitive interaction. In D. A. Norman & D. E. Rumelhart (Eds.), *Explorations in cognition* (pp. 279-307). San Francisco: Freeman.

[Portion reprinted in: Norman, D. A. (1976) *Memory and attention*. New York: Wiley.]

Palmer, S. E. (1975) The effects of contextual scenes on the identification of objects. *Memory and Cognition*, 3, 519-526.

Palmer, S. E. (1975) The nature of perceptual representation: An examination of the analog/propositional controversy. In R. Schank & B. L. Nash-Webber (Eds.), *Theoretical issues in natural language processing*. Arlington, Va.: Tinlap Press.

Palmer, S. E. (1976) Cognitive science: An auspicious beginning. Review of D. Bobrow & A. Collins (Eds.), *Representation and understanding: Studies in cognitive science*. *Contemporary Psychology*, 21, 522-523.

Palmer, S. E. (1977) Hierarchical structure in perceptual representation. *Cognitive Psychology*, 9, 441-474.

Palmer, S. E. (1978) Structural aspects of perceptual similarity. *Memory and Cognition*, 6, 91-97.

Palmer, S. E. (1978) Fundamental aspects of cognitive representation. In E. Rosch & B. L. Lloyd (Eds.), *Cognition and categorization* (pp. 259-302). Hillsdale, N.J.: Erlbaum.

Hemenway, K., & Palmer, S. E. (1978) Organizational factors in perceived dimensionality. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 388-396.

Palmer, S. E., & Hemenway, K. (1978) Orientation and symmetry: Effects of multiple, rotational, and near symmetries. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 691-702.

Palmer, S. E. (1980) What makes triangles point: Local and global effects in configurations of ambiguous triangles. *Cognitive Psychology*, 12, 285-305.

Palmer, S. E., & Bucher, N. M. (1981) Configural effects in perceived pointing of ambiguous triangles. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 88-114.

Palmer, S. E., Rosch, E., & Chase, P. (1981) Canonical perspective and the perception of objects. In J. Long & A. Baddeley (Eds.), *Attention and Performance, IX* (pp. 135-151). Hillsdale, N.J.: Erlbaum.

Palmer, S. E. (1981) Transformational structure and perceptual organization. *Proceedings of 3rd Annual Cognitive Science Conference*, Berkeley, Ca., 41-49.

Palmer, S. E. (1982) Symmetry, transformation, and the structure of perceptual systems. In J. Beck (Ed.), *Representation and organization in perception* (pp. 95-144). Hillsdale, N.J.: Erlbaum.

- Kimchi, R., & Palmer, S.E. (1982) Form and texture in hierarchically constructed patterns. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 521-535.
- Palmer, S. E., & Bucher, N. M. (1982) Textural effects in perceived pointing of ambiguous triangles. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 693-708.
- Robertson, L. C., & Palmer, S. E. (1983) Holistic processes in the perception and transformation of disoriented figures. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 203-214.
- Palmer, S. E. (1983) The psychology of perceptual organization: A transformational approach. In J. Beck, B. Hope, & A. Rosenfeld (Eds.), *Human and machine vision* (pp. 269-339). New York: Academic Press.
- Regan, M., Allison, T., Cooper, L., & Palmer, S. (1984) Report of Panel V: Perceptual processes. In E. Donchin (Ed.), *Cognitive psychophysiology* (pp. 317-338). Hillsdale, N.J.: Erlbaum.
- Palmer, S. E. & Zimbardo, P. G. (1985) Sensation. In P. G. Zimbardo, *Psychology and life* (pp. 108-149). Glenview, Ill.: Scott Foresman.
- Palmer, S. E. & Zimbardo, P. G. (1985) Perception. In P. G. Zimbardo, *Psychology and life* (pp. 150-185). Glenview, Ill.: Scott Foresman.
- Palmer, S. E. (1985) The role of symmetry in shape perception. *Acta Psychologica*, 59, 67-90.
- Palmer, S. E., & Kimchi, R. (1985) The information processing approach to cognition. In T. Knapp & L. C. Robertson (Eds.), *Approaches to cognition: Contrasts and controversies*. Hillsdale, N.J.: Erlbaum.
- Kimchi, R., & Palmer, S. E. (1985) Separability and integrality of levels in hierarchical patterns. *Journal of Experimental Psychology: Human Perception and Performance*, 11, 673-688.
- Bucher, N. M., & Palmer, S. E. (1985) Effects of motion on the perceived pointing of ambiguous triangles. *Perception and Psychophysics*, 38, 227-236.
- Robertson, L. C., Palmer, S. E., & Gomez, L. M. (1987) Abstract reference frames in mental rotation. *Journal of Experimental Psychology: Human Learning and Memory*, 13, 368-379.
- Palmer, S. E., Simone, E. J., & Kube, P. (1988) Reference frame effects on shape perception in two versus three dimensions. *Perception*, 17, 147-163.
- Palmer, S. E. (1988) PDP: A new paradigm for cognitive theory. *Contemporary Psychology*, 32, 925-928. Review of D. E. Rumelhart, J. L. McClelland, & the PDP Research Group, *Parallel Distributed Processing: Explorations in the microstructure of cognition*. Volumes 1 & 2.
- Palmer, S. E. (1989) Reference frames in the perception of shape and orientation. In B. Shepp & S. Ballesteros (Eds.), *Object perception: Structure and process*. Hillsdale, NJ: Erlbaum.
- Palmer, S. E. (1989) Levels of description in information processing theories of analogy. In S. Vosniado & A. Ortony (Eds.), *Similarity and analogical reasoning*. Cambridge, MA: Cambridge University Press. pp. 332-345.
- Mangan, B., & Palmer, S. (1989) New science for old. Commentary on P. Thagard, Explanatory coherence. *Behavioral and Brain Sciences*, 12, 480-482.
- Palmer, S. E. (1989) On-line with PDP. *Contemporary Psychology*, 34, 543-545. Review of J. L. McClelland & D. E. Rumelhart, *Explorations in Parallel Distributed Processing: A handbook of models, programs, and exercises*. Cambridge, MA: MIT Press.
- Rock, I. & Palmer, S. E. (1990) The legacy of Gestalt psychology. *Scientific American*, December, 262, 84-90.

Palmer, S. E. (1990) Modern theories of Gestalt perception. *Language and Mind*, 5, 289-323.

[Reprinted in G. W. Humphreys (Ed.), *Understanding vision*. Oxford: Blackwell, 1992.]

[French translation reprinted in *Intellectica*, 1999, as "Les theories contemporaines de la perception de gestalt."]

Palmer, S. E. (1991) Goodness, Gestalt, Groups, and Garner: Local symmetry subgroups as a theory of figural goodness. In G. Lockhead & J. Pomerantz (Eds.) *The perception of structure: Essays in honor of Wendell R. Garner*. Washington, D.C.: American Psychological Association.

Palmer, S. E. (1991) Gestalt principles of perceptual organization. In M. W. Eysenck (Ed.), *The Dictionary of Cognitive Psychology*. Oxford: Blackwell.

Stinson, C. H., & Palmer, S. E. (1991) Parallel distributed processing models of person schemas and psychopathologies. In M. Horowitz (Ed.), *Person schemas and maladaptive interpersonal patterns*. Chicago: University of Chicago Press. pp. 339-377.

Palmer, S. E. (1992) Reference frames in the perception of spatial structure. In H. G. Geissler, S. W. Link, & J. T. Townesend (Eds.) *Cognition and Psychophysics: Basic Issues*. Hillsdale NJ: Erlbaum.

Palmer, S. E. (1992) Common region: A new principle of perceptual grouping. *Cognitive Psychology*, 24, 436-447.

Rock, I., Nijhawan, R., Palmer, S., & Tudor, L. (1992) Grouping based on phenomenal similarity of achromatic color. *Perception*. 21, 779-789.

[Reprinted in I. Rock (Ed.), *Indirect perception*. Cambridge: MIT Press, 1996.]

[Reprinted in S. Yantis (Ed.), *Visual perception: Essential readings*. Philadelphia, PA: Psychology Press. 2000.]

Sekuler, A. B., & Palmer, S. E. (1992) Visual completion of partly occluded objects: A microgenetic analysis. *Journal of Experimental Psychology: General*, 121, 95-111.

Sekuler, A. B., Palmer, S. E., & Flynn, C. (1994) Local and global processes in visual completion. *Psychological Science*, 5, 260-267.

Palmer, S. E., & Rock, I. (1994a) Rethinking perceptual organization: The role of uniform connectedness. *Psychonomic Bulletin and Review*, 1 (1), 29-55.

Palmer, S.E., & Rock, I. (1994b) On the nature and order of organizational processing: A reply to Peterson. *Psychonomic Bulletin and Review*, 1, 515-519.

Palmer, S. E. (1995) Gestalt psychology redux. In P. Baumgartner & S. Payr (Eds.), *Speaking minds*. Princeton, NJ: Princeton University Press, 156-176.

Palmer, S. E., Neff, J., & Beck, D. (1996) Late influences on perceptual grouping: Amodal completion. *Psychonomic Bulletin and Review*. 3, 75-80.

[Reprinted in I. Rock (Ed.), *Indirect perception*. Cambridge: MIT Press, 1996.]

Neisser, U., Winograd, E., Bergman, Schreiber, C., Palmer, S., & Weldon, M. (1996) Remembering the earthquake: Direct experience versus hearing the news. *Memory*, 4, 337-357.

[Portions reprinted in U. Neisser & I. Hyman (2000). *Memory Observed*. New York: Worth.]

Palmer, S. E. (1996) The legacy of Irvin Rock. Foreword to I. Rock (Ed.), *Indirect perception*. Cambridge MA: Bradford Books/MIT Press.

Palmer, S. E. (1999a) *Vision science: Photons to phenomenology*. Cambridge, MA: Bradford Books/MIT Press.

[Portions of Chapter 13 reprinted as Palmer, S. E. (2002). Visual Awareness. Chapter 1 in Levitin, D. J. (Ed.), *Foundations of Cognitive Psychology: Core Readings*. Cambridge, MA: MIT Press. pp. 3 - 21.]

[Portions of Chapter 6 reprinted as Palmer, S. E. (2002). Organizing Objects and Scenes. Chapter 8 in Levitin, D. J. (Ed.), *Foundations of Cognitive Psychology: Core Readings*. Cambridge, MA: MIT Press. pp. 189 - 211.]

Palmer, S. E. (1999b) Gestalt perception. In *Encyclopedia of Cognitive Science*. Cambridge, MA: MIT Press.

Palmer, S. E. (1999d) Color, consciousness, and the isomorphism constraint. *Behavioral and Brain Sciences*, 22 (6), 1-21.

Palmer, S. E. (1999e) On qualia, relations, and structure in color experience. *Behavioral and Brain Sciences*, 22 (6), 54-67.

Palmer, S. E. (1999f) Of color and consciousness. In S. Hammeroff, D. Chalmers, & A Kazniak (Eds.), *Toward a science of consciousness, III*. Cambridge, MA: MIT Press.

Palmer, S. E. (2000) Perceptual organization. In Kazdin, A. E. (Ed.), *Encyclopedia of Psychology*. Oxford: Oxford University Press.

Palmer, S. E., & Nelson, R. (2000). Late influences on perceptual grouping: Illusory figures. *Perception & Psychophysics*, 62 (7), 1321-1331.

Palmer, S. E. (2001). Of babies and bathwater: Reduction in perceptual science. *Journal of Mathematical Psychology*. 45, 189-204.

Assadi, A., Eghbalnia, H., & Palmer, S. E. (2001) A learning theoretic approach to perceptual geometry in natural scenes. *Neurocomputing*, 38-40, 1077-1085.

Nelson, R., & Palmer, S. E. (2001). Of holes and wholes: Perception of surrounded regions. *Perception*. 30, 1213-1226.

Palmer, S. E. (2002). Perceptual organization in vision. In *Sensation and perception* (pp. 177-234). Volume 1 in H. Pashler (Editor in Chief), *Stevens Handbook of Experimental Psychology (Third Edition)*. New York: Wiley.

Palmer, S. E. (2002). Perceptual grouping: It's later than you think. *Current Directions in Psychological Science*, 11, 101-106.

Palmer, S. E. (2002). Visual perception of objects. In A. F. Healy & R. W. Proctor (Eds.), *Experimental Psychology*. Volume 4 in I. B. Weiner (Editor-in-Chief) *Handbook of psychology*. New York: Wiley.

Beck, D., & Palmer, S. E. (2002). Top-down effects on perceptual grouping. *Journal of Experimental Psychology: Human Perception and Performance*. 28(5), 1071-1084.

Palmer, S. E. (2002). In the lab of In Sternberg, R. J., *Cognitive Psychology*.

Palmer, S. E. (2003). Perceptual organization and grouping. In R. Kimchi, M. Behrman, & C. Olson (Eds.), *Perceptual organization in vision: Behavioral and neural perspectives*. Hillsdale NJ: Erlbaum.

- Palmer, S. E. (2003) Consciousness and isomorphism. In B. Baars & J. Newman (Eds.), *Essential sources in the scientific study of consciousness*. Cambridge, MA: MIT Press.
- Palmer, S. E., Brooks, J. L., & Nelson, R. (2003). When does perceptual grouping happen? *Acta Psychologica*, 114, 311-330
- Kimchi, R., Hadad, B., Behrman, M., & Palmer, S. E. (2005) Microgenesis and ontogenesis of perceptual organization: Evidence from global and local processing of hierarchical patterns. *Psychological Science*, 16 (4), 282-290.
- Burge, J., Peterson, M. A., & Palmer, S. E. (2005) Ordinal configural cues combine with metric disparity in depth perception. *Journal of Vision*. 5, 534-543.
- Vecera, S. P., & Palmer, S. E. (2006). Grounding the figure: Contextual effects of depth planes on figure-ground organization. *Psychonomic Bulletin and Review*. 13, 563-569.
- Palmer, S. E., Brooks, J. L., & Lai, K. (2007). The occlusion illusion: Partial modal completion or apparent distance? *Perception*, 36(5) 650 – 669
- Palmer, S. E., & Beck, D. (2007). The repetition discrimination task: An objective method for studying perceptual grouping. *Perception and Psychophysics*, 69(1), 68-78.
- Nelson, R., & Palmer, S. E. (2007). Familiar shapes attract attention in figure-ground displays. *Perception and Psychophysics*, 69(3), 382-392.
- Boudreaux, C., & Palmer, S. E. (2007). Effects of wine label design on purchase intent and brand personality. *International Journal of Wine Business Research*, 19 (3), 170-186.
- Palmer, S. E., Gardner, J. S., & Wickens, T. D. (2008) Aesthetic issues in spatial composition: Effects of position and direction on framing single objects. *Spatial Vision*. 21, 421-449.
- Palmer, S. E., & Ghose, T. (2008). Extremal edges: A powerful cue to depth and figure-ground organization. *Psychological Science*, 19, 77-84.
- Palmer, S. E., Davis, J. M., Nelson, R., & Rock, I. (2008). On perceiving and remembering the shapes of figures, grounds, and holes. *Perception*, 37, 1569 – 1586.
- Palmer, S. E., & Brooks, J. L. (2008). Edge-region grouping in depth perception and figure-ground organization. *Journal of Experimental Psychology: Human Perception and Performance*. 34 (6), 1353-1371.
- Ghose, T., & Palmer, S. E. (2008). *The role played by extremal edges in figure-ground organization*. Saarbrücken, Germany: VDM Verlag.
- Palmer, S. E. (2009). Gestalt theory. In T. Baynes, A. Cleeremans, & P. Wilken (Eds.), *The Oxford Companion to Consciousness*. Oxford: Oxford University Press. 327-330.
- Nelson, R., Thierman, J., & Palmer, S. E. (2009). Shape memory for intrinsic versus accidental holes. *Attention, Perception & Psychophysics*, 71, 200-206.
- Palmer, S. E., & Schloss, K. B. (2009). Stereoscopic depth and the occlusion illusion. *Attention, Perception, and Psychophysics*. 71, 1083-1094.
- Brooks, J. L., & Palmer, S. E. (In press). Cue competition affects temporal dynamics of edge assignment in visual cortex. *Journal of Cognitive Neuroscience*.
- Palmer, S. E., & Schloss, K. B. (In press). Ecological valence and theories of human color preference. In C.P. Biggam, C. Hough, D. Simmons, & C. Kay (Eds.), *New Directions in Colour Studies*. John Benjamins: Amsterdam.

Gardner, J. S., Austerweil, J. L., & Palmer, S. E. (in press). Vertical position as a cue to pictorial depth: Height in the picture plane versus distance to the horizon. *Attention, Perception & Psychophysics*.

Manuscripts under review and in preparation:

Ghose, T., & Palmer, S. E. (in preparation). Extremal edges dominate classical cues to figure-ground organization. *Journal of Vision*.

Palmer, S. E., & Schloss, K. B. (under review). An ecological valence theory of color preferences. *Proceedings of the National Academy of Sciences*.

Palmer, S. E., Schloss, K. B., & Gardner (in preparation). Hidden knowledge in aesthetic preferences: Color and spatial composition". In Shimamura, A. P., & Palmer, S. E., *Aesthetic science: Connecting minds, brains, and experience*. Oxford University Press.

Gardner, J. S., & Palmer, S. E. (in preparation). Aesthetic issues in spatial composition II: Effects of vertical position and direction on framing single objects.

Schloss, K. B., & Palmer S. E. (in preparation). Preference and harmony in aesthetic response to color combinations.

Participation in Public Lectures or Forums

"Structural models of pattern recognition." Invited lecture, Department of Psychology, Stanford University, February, 1975.

"The nature of perceptual representation." Paper presented at Conference on Theoretical Issues in Natural Language Processing, Massachusetts Institute of Technology, June 1975.

"Network models of visual perception." Invited lecture, Workshop on Alternative Theories of Syntax and Semantics, University of California, Berkeley, June 1975.

"The nature of visual imagery." Invited lecture, University Extension course on "Advances in the Psychology of Thinking," October, 1975.

"Hierarchical theories of perceptual representation." Colloquium presented at the Institute of Human Learning, University of California, Berkeley, November, 1975.

"Hierarchical structure in perceptual representation." Paper presented at the 16th Annual Meeting of the Psychonomic Society, November, 1975.

Participant at Workshop on the Psychology of Cartography, San Francisco, October, 1976.

"Fundamental aspects of cognitive representation." Paper presented at:
Conference on Human Categorization, Lake Arrowhead, CA, May, 1976.
Department of Psychology, Stanford University, May, 1976.
Society for Logic and Methodology of Science, U.C.B., June, 1977.
Center for Human Information Processing, La Jolla, CA, June, 1977.

"Organization of figures in perception and memory." Paper presented at Annual Meeting of the Western Psychological Association, San Francisco, April, 1978.

"Visual analysis through local reference frames: A theory of perception."
Conference on Cognitive Science, La Jolla, California, August, 1978.
University of Oregon, Eugene, Oregon, October, 1978.

"Uses of evoked potentials to test perceptual and attentional theories." Conference on Evoked Potentials and Cognitive Psychology, Carmel, California, January, 1979.

"Quantitative and qualitative aspects of perceptual representation." Conference on Dense Representation, University of California, San Diego, California, February, 1979.

"Symmetry and the transformational structure of perceptual systems." Conference on Perceptual Organization, Abano Terme, Italy, June, 1979.

"Mechanisms of Gestalt perception: A case study." University of California, Santa Barbara, December, 1979.

"Canonical perspective and the perception of objects." Paper presented at the Meeting of the Society for the Study of Attention and Performance, Cambridge, England, July, 1980.

"A transformational theory of perception." Paper presented at Meeting of the Psychonomic Society, St Louis, November, 1980.

"Transformational structure and perceptual organization."
Conference on Human and Machine Vision, Denver, August, 1981.
3rd Meeting of the Cognitive Science Society, Berkeley, August, 1981.

"Mechanisms of Gestalt perception."
University of California, Santa Cruz, October, 1981.
Rutgers University, New Brunswick, N. J., November, 1981.
Bell Telephone Laboratories, Murray Hill, N. J., November, 1981.
Carnegie Mellon University, Pittsburgh, PA, March, 1983.
MRC Applied Psychology Unit, Cambridge, England, February, 1984.
Physiology Department, University of Cambridge, England, June, 1984.
Department of Psychology, Stanford University, January, 1986.

"Toward a theory of perceptual organization."
University of Pittsburgh, Pittsburgh, PA, April, 1983.
Psychology Department, University of Cambridge, England, Feb., 1984.

"Reference frames in Gestalt perception." Colloquium presented at
Princeton University, Princeton, N.J., April, 1983.
Columbia University, New York, N.Y., April, 1983.
New York University, New York, N.Y., April, 1983.
Cognitive Science, University of California, Berkeley, April, 1983.
University of Keele, Keele, England, March, 1984.
University of Stirling, Stirling, Scotland, April, 1984.
University of Reading, Reading, England, May, 1984.
University of Nijmegen, Nijmegen, The Netherlands, June 1984.

"On Goodness, Gestalt, Groups, and Garner."
Meeting of the Psychonomic Society, San Diego, CA, November, 1983.
MRC Applied Psychology Unit, Cambridge, England, June, 1984.

"Theoretical Issues in Object Classification." Paper presented at International Congress of Neuropsychology, Aachen, Germany, June, 1984.

"Context, depth, and expectation in the perception of ambiguous figures"
International Congress of Psychology, Acapulco, Mexico, Sept. 1984.
Psychonomic Society Meeting, San Antonio, Texas, November, 1984.

"Gestalt then and now," Colloquium presented to Cognitive Science Group, University of California, Berkeley, December, 1984.

"Reference frame effects on shape perception in two versus three dimensions". Psychonomic Society Meeting, Boston, Massachusetts, November, 1985.

"Problems in Shape Perception: The Legacy of Gestalt," Invited address at Center for Visual Science Symposium on Computational Models in Human Vision, Rochester, N.Y., June 19, 1986.

"Theories of shape constancy and the reference frame hypothesis" Symposium in honor of Irvin Rock, American Psychological Association Convention, Washington D.C., August 24, 1986.

"Reference frames in the perception of shape and orientation" Invited presentation at the Conference on Object Perception: Structure and Process, Madrid, Spain, May 18-20, 1987.

"Testing theories of a Gestalt effect" Colloquium presented at University of California, Santa Cruz, CA (May, 1987).

"Testing the low spatial frequency conjecture for a Gestalt effect." Paper presented at 28th Annual Meeting of the Psychonomic Society, Seattle, WA, November 6, 1987.

"Affective information processing in clinical subgroups: Tests of an activation/inhibition theory of warded-off complexes." Paper presented at the Experimental Studies Group Workshop of the MacArthur Foundation Project on Conscious and Unconscious Mental Processes, San Francisco, CA, February 29, 1988.

"The Gestalt Connection." Colloquium presented to the Psychology Department, University of California, Berkeley CA, March 11, 1988.

"Testing theories of Gestalt perception." Invited lecture to the Japanese Society of Cognitive Science. Tokyo, Japan, June, 1988.

"Psychological approaches to visual perception." Series of four lectures presented at Nippon Telephone and Telegraph Company, Tokyo, Japan, June, 1988.

"Is perception direct? Evidence from the primed matching paradigm." (with A. Sekuler) Paper presented at 29th Annual Meeting of the Psychonomic Society, Chicago, IL, November 1988.

"Goodness, Gestalt, Groups, and Garner." Invited presentation at the Conference on the Perception of Structure (in honor of Wendell Garner), Yale University, New Haven, CN, May 21-22, 1989.

"Perceptual Grouping occurs After Lightness Constancy." (with Romi Nijhawan & Irvin Rock). Paper presented at 31th Annual Meeting of the Psychonomic Society, New Orleans, LA, November 1990.

"Gestalt Grouping Revisited." Colloquium presented at Columbia University, November 1990.

"Rethinking Perceptual Organization." Colloquium presented at:

University of California, Berkeley, September, 1991.

Princeton University, September, 1991.

Stanford University, April, 1992.

Society of Experimental Psychologists, Baltimore, MD, April, 1992.

"Remembering the Earthquake: "Flashbulb" memory for perceived versus remembered events." Paper presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, CA, November, 1991.

"The perception of partly occluded objects: A local or global process?" Paper presented at the International Congress of Psychology, Brussels, July, 1992. (Presented by Allison Sekuler.)

"Visual Perception." Five-day series of lectures at the First International Summer Institute of Cognitive Science, SUNY Buffalo, NY. July 1993.

"Spatial aspects of perceptual organization: Grouping, parsing, and completion." Colloquium presented at Institute of Cognitive Studies, University of California, Berkeley, CA, September, 1994.

"Reference frames and spatial cognition." Colloquium presented at Institute of Cognitive Studies, University of California, Berkeley, CA, February, 1995.

"Rethinking perceptual organization." Invited address at American Psychological Association Convention, Toronto, Canada, (6/96); Conference on Perceptual Organization, University of Amsterdam (5/98); Psychology Department SUNY Buffalo (4/00).

"Perceptual grouping: It's later than you think." Invited address at Psychonomic Society Annual Meeting, Chicago, IL, November 1, 1996.

Palmer, S. E. and Levitin, D. J. (1998, November). Synchrony: A new principle of perceptual grouping. 39th Annual Meeting of the Psychonomic Society, Dallas, TX.

"Color, Consciousness, and the Isomorphism Constraint." Colloquium presented at the Institute of Cognitive Studies, University of California, Berkeley (7/97); Department of Psychology, University of Utah (10/97); Psychonomic Society, Philadelphia, PA (11/97); Conference on Perceptual Organization, University of Amsterdam (5/98); Department of Psychology, UC Berkeley (9/98); Cognitive Science Program, SUNY Buffalo (4/00)

"Color, Consciousness, and the Isomorphism Constraint." Invited address at Tucson Conference on Consciousness, Tucson AZ, (4/98), 25th Annual Meeting of the Society for Philosophy and Psychology, Stanford CA (6/99), and the 9th Annual Meeting of the European Society for Philosophy and Psychology, Salzburg, Austria (9/4/00)

Assadi, A, Palmer, S. E., Eghbalnia, H, & Carew, J. (1999). *Proceedings of the SPIE, The International Society for Optical Engineering*. vol.3811; 1999; p.130-40.

Manske, K., Assadi, A., Eghbalina, H., & Palmer, S. E. (1999) Towards Visual Perception of Periodic Tilings: A Computational Model. *Proceedings of the Bridges Conference*, page 211.

"Topics in Vision Science." Five-day series of lectures at the Seventh International Summer Institute of Cognitive Science, Sophia, Bulgaria. July 8-15, 2000.

"Rethinking Perceptual Organization." Eighth Annual Kanizsa Memorial Lecture, University of Trieste, Italy. October 19, 2000.

"The Role of Grouping in Figure-Ground Organization." (with Joseph Brooks) Paper presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA (11/19/00).

"Rethinking Figure-Ground Organization: Relative Depth and Attention." (with Rolf Nelson & Joseph Brooks). Paper presented at the Annual Meeting of the Psychonomic Society, Orlando, FL (11/17/01).

"Rethinking Perceptual Organization -- Again." Irvin Rock Memorial Lecture, Institute of Cognitive and Brain Sciences, U. C. Berkeley, 4/26/02.

"Grouping Occurs both Before and After Constancy." (with Joseph Brooks). Paper presented at the 2nd Annual Meeting of the Vision Science Society, Sarasota, FL (5/14/02).

Palmer, S. E., & Brooks, J. L. (2004) "Edge-Texture Grouping: A new class of information about depth and shape." Paper presented at 4th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2004.

Brooks, J. L., Lai, K., & Palmer, S. E. (2004) "The occlusion illusion: Modal completion or apparent distance? Paper presented at 4th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2004.

- Burge, J., Peterson, M. A., & Palmer, S. E. (2004) "Perceived depth is influenced both by binocular disparity and configural cues." Paper presented at 4th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2004.
- Meyerson, R. G., & Palmer, S. E. (2004) "Change Blindness in Synchrony Grouping," Paper presented at 4th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2004.
- Palmer, S. E., Brooks, J. L., & Lai, K. (2004) "The occlusion illusion: Modal completion or apparent distance?" Paper presented at the Psychonomic Society, Minneapolis MN, Nov. 20, 2004.
- Palmer, S. E., & Nelson, R. (2005) "The hole paradox: Perceiving and remembering the shapes of intrinsic vs. accidental visual holes." Paper presented at 5th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2005.
- Ghose, T., & Palmer, S. E. (2005) "Surface convexity and extremal edges in depth perception and figure-ground organization." Paper presented at 5th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2005.
- Palmer, S. E. & Ghose, T. (2006) "Extremal Edges Dominate Other Cues to Figure-Ground and Depth Perception." Paper presented at 6th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2006.
- Schloss, K. B., & Palmer, S. E. (2006) "Stereoscopic Depth and the Occlusion Illusion." Paper presented at 6th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2006.
- Gardner, J. S., & Palmer, S. E. (2006). "Framing Aesthetic Judgments." Paper presented at 6th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2006.
- Thierman, J., Vecera, S. P., & Palmer, S. E. (2006). "Reference Frames in Figure-Ground Organization." Paper presented at 6th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2006.
- Palmer, S. E. (2006). "Rethinking Figure-Ground Perception" Colloquium presented at
 Psychology Department, University of California, Santa Cruz, October 4, 2006.
 Working Group in Logic and the Methodology of Science, U. C. Berkeley, November 8, 2006.
 Cognitive Science Program, University of Bremen, Bremen, Germany, July 10, 2008
- Palmer, S. E., & Gardner, J. S. "Framing Aesthetics: Effects of Spatial Composition." Paper presented at 7th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2007.
- Brooks, J. L., & Palmer, S. E. "Attention and Figure-Ground Status Produce Separate EEG Effects in Human Cortex." Paper presented at 7th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2007.
- Ghose, T., & Palmer, S. E. "Gradient cut alignment: A cue to ground in figure-ground and depth perception. Paper presented at 7th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2007.
- Schloss, K. B., & Palmer, S. E. "Color preferences across contexts as predicted by colorimetric variables." Paper presented at 7th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2007.
- Guidi, S., & Palmer, S. E. "Symmetry and relational structure in the perception of rectangular frames." Paper presented at 7th Annual Meeting of the Vision Science Society, Sarasota, FL, May 2007.
- Palmer, S. E. (2007). "Aesthetic Science: Preferences in Color and Spatial Composition." Colloquium presented at
 Neuropsychology Group, V.A. Hospital, Martinez CA, Feb. 20, 2007.
 Psychology Department, Northwestern University, Evanston IL, Feb.
 Google, Googleplex, Mountain View, CA, May 22, 2007.
 Cognitive Science Program, University of California, Berkeley, CA, September 5, 2007.
 Art and Science Program, Wesleyan University, Middletown CT, September 15, 2007.

- Psychology Department, University of Wisconsin, Madison, WI, September 22, 2007.
Psychology Department, Rutgers University, Newark, NJ, February 22, 2008.
Psychology Department, Yale University, New Haven, CT, February 26, 2008.
Cognitive Science Program, Princeton University, Princeton, NJ, February 27, 2008.
Cognitive Science Program, Radboud University of Nijmegen, The Netherlands, July 9, 2008
Cognitive Science Program, University of Bremen, Bremen, Germany, July 10, 2008
Psychology Department, University of California, Santa Cruz, CA, October 1, 2008
- Palmer, S. E., Gardner, J. S., & Guidi, S. "Configural Effects in Aesthetic Preference and Goodness of Fit." Paper presented at the 2nd Annual Meeting of the Configural Processing Consortium, Long Beach CA, November 15, 2007.
- Palmer, S. E., & Ghose, T. "Extremal Edges and Gradient Cuts: New Cues to Depth and Figure-Ground Perception." Paper presented at the Annual Meeting of the Psychonomic Society, Long Beach CA, November 15, 2007.
- Palmer, S. E., & Guidi, S. "Exploring Frame Shape using Goodness-of-Fit Measures." Paper presented at the 8th Annual Meeting of the Vision Science Society, Naples, FL, May 2008.
- Schloss, K. B., & Palmer, S. E. "The Color of Music." Paper presented at the 8th Annual Meeting of the Vision Science Society, Naples, FL, May 2008.
- Gardner, J. S., Nothfer, C., Fowlkes, C., & Palmer, S. E. "Exploring Aesthetic Principles of Spatial Composition through Stock Photography." Paper presented at the 8th Annual Meeting of the Vision Science Society, Naples, FL, May 2008.
- Ghose, T. & Palmer, S. E. "Edge Alignment Effects for Gradient Cuts in Figure-Ground Organization." Paper presented at the 8th Annual Meeting of the Vision Science Society, Naples, FL, May 2008.
- Palmer, S. E., & Schloss, K. B. "The Berkeley Color Project I: Human Response to Individual Colors." Conference on Progress in Colour Studies, University of Glasgow, Glasgow, UK, July 14, 2008.
- Schloss, K. B., & Palmer, S. E. "The Berkeley Color Project II: Human Preference for Color Combinations." Conference on Progress in Colour Studies, University of Glasgow, Glasgow, UK, July 14, 2008.
- Palmer, S. E. & Ghose, T. "Extremal Edges and Gradient Cuts: New Cues to Figure-Ground Perception." International Congress of Psychology, Berlin, Germany, July 22, 2008.
- Guidi, S., & Palmer, S. E. "Framing the Frame: Goodness-of-fit for Probe Shapes within Rectangular Frames." International Congress of Psychology, Berlin, Germany, July 22, 2008.
- Palmer, S. E., & Gardner, J. S. "Aesthetic Science: Understanding Preferences for Spatial Composition" International Congress of Psychology, Berlin, Germany, July 24, 2008.
- Schloss, K. B. & Palmer, S. E. "Aesthetic Preferences for Individual Colors and Color Combinations." International Congress of Psychology, Berlin, Germany, July 24, 2008.
- Palmer, S. E., Schloss, K. B., & Fortenbaugh, F. "The configural shape illusion." Presentation at the 3rd annual meeting of the Configural Processing Consortium, Notre Dame University, Nov. 12, 2009.
- Palmer, S. E., Gardner, J. S., & Guidi, S. "Aesthetic Science: Human Preferences for Spatial Composition." Keynote address at Human Vision and Electronic Imaging Conference, IS&T/SPIE Annual Symposium on Electronic Imaging, San Jose, CA, January 22, 2009.
- Barker-Benfield, M., Schloss, K.B., & Palmer, S. E. "Preference for color-pairs within finely sampled color space." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Gardner, J. S., & Palmer, S. E. Representational fit in aesthetic judgments of spatial composition: Effects of object position and size. Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Palmer, S. E., Schloss, K. B., & Fortenbaugh, F. "A configural shape illusion." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Hackett, G., Schloss, K. B., & Palmer, S. E. "The relationship between color and form in judgments of preference and harmony." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Fukishida, W., Schloss, K. B., Yokosawa, K., & Palmer, S. E. "Cross-Cultural differences in color preference: Japan vs. the USA." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Schloss, K.B., & Palmer, S.E. An ecological valence theory of human color preferences." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Nothelfer, C., Schloss, K.B., & Palmer, S.E. "The role of spatial composition in preference for color pairs." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Pogessi, R., Schloss, K.B., & Palmer, S. E.. "Preference for three-color combinations in varying proportions." Paper presented at the 9th Annual Meeting of the Vision Science Society, Naples, FL, May 2009.

Schloss, K.B., & Palmer, S.E. "An ecological valence theory of human color preferences." Paper presented at a symposium on "Aesthetic Science" at the Annual Meeting of the American Psychological Society, San Francisco, CA, May 23, 2009.

Palmer, S. E., & Gardner, J. S. "Aesthetic Preference in Spatial Composition: The Role of Representational Fit." Paper presented at a symposium on "Aesthetic Science" at the Annual Meeting of the American Psychological Society, San Francisco, CA, May 23, 2009.

Palmer, S. E., & Schloss, K. B. "Aesthetic Science of Color: WAVES of Color, Culture, Music, and Emotion." Colloquium presented at

Institute of Personality and Social Research, University of California, Berkeley. April 1, 2009.

15th Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, OR, August 2, 2009.