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Born: 19 February 1947, Washington, D.C. US Citizen.

Education:

Ph.D., Yale University, June 1973 (Psychology)
BA, with Honors, U. of North Carolina at Chapel Hill, June 1969 (Psychology)

Professional Organizations:

Psychonomic Society, member, 1976-present
American Psychological Association, member, 1982-1988, Fellow, 1989-present
International Society for Ecological Psychology, 1983-present
American Psychological Society, Charter Fellow, 1988-present
Association for Research in Vision and Ophthalmology, 1994-99
College Art Association, 2002-present

Honors

Society of Experimental Psychologists, Fellow, 1995-present; Chair 2003-2004
John Simon Guggenheim Memorial Fellow, 1993-94
John Motley Morehead Scholarship, University of North Carolina, 1965-69
Phi Beta Kappa, 1968

Professional Experience:

Professor, Department of Psychology, Cornell University, 1986-present
Associate Professor, Department of Psychology, Cornell University, 1980-86
Associate Professor, Department of Psychology, Wesleyan University, 1979-80
Assistant Professor, Department of Psychology, Wesleyan University, 1974-79
Assistant Professor, Department of Psychology, Yale University, 1973-74

Also:

Visiting Scientist, Laboratoire de Psychologie Expérimentale (CNRS), Paris, 1993
Visiting Professor, Università degli studi di Trieste, May, 1993
Visiting Professor, Universities of Padova, Roma, and Verona, 1990.
Visiting Professor, University of Arizona, 1986
Research Scientist, Atari Sunnyvale Research Laboratory, Sunnyvale, CA, 1983-84
Consultant, Salk Institute for Biological Studies, La Jolla, CA, 1979
Visiting Scholar, Stanford University, 1977-78
Research Assistant and Associate, Haskins Laboratories, 1970-77

Journal Duties:

Editorships: *Psychological Science*, 2003-2007;
Journal of Experimental Psychology: Human Perception and Performance (JEP:HPP), 1987-93.
Associate Editorships: *Psychonomic Bulletin & Review*, 1994-98; JEP:HPP, 1981-82.
Editorial Boards: JEP:HPP, 1979-81, 82-87, 95-99; *Cognition*, 1979-88;
Cognitive Psychology, 1983-87.

Research Interests:

Art and perception. Perception of cinema. Perception of layout and depth. Wayfinding. Visual perception of motion. Information and information use in perception. Optics and projections. Event perception. History and philosophy of vision and perception.

Publications

1974

1. Cutting, J.E. (1974). Different speech-processing mechanisms can be reflected in the results of discrimination and dichotic listening tasks. *Brain and Language*, 1, 363-373.
2. Cutting, J.E. (1974). Two left-hemisphere mechanisms in speech perception. *Perception & Psychophysics*, 16, 601-612.
3. Cutting, J.E. & Rosner, B.S. (1974). Categories and boundaries in speech and music. *Perception & Psychophysics*, 16, 564-570.
4. Kubovy, M., Cutting, J.E. & McGuire, R.M. (1974). Hearing with the third ear: Dichotic perception of a melody without monaural familiarity cues. *Science*, 186, 272-276.

1975

5. Cutting, J.E. (1975). Aspects of phonological fusion. *Journal of Experimental Psychology: Human Perception and Performance*, 1, 105-120.
6. Cutting, J.E. (1975). Orienting tasks affect recall performance more than subjective impressions of ability to recall. *Psychological Reports*, 36, 155-158.
7. Cutting, J.E. & Day, R.S. (1975). The perception of stop-liquid clusters in phonological fusion. *Journal of Phonetics*, 3, 99-113.
8. Cutting, J.E. & Eimas, P.D. (1975). Phonetic feature analyzers and the processing of speech in infants. In J.F. Kavanagh & J.E. Cutting (Eds.), *The role of speech in language*. (pp. 127-148). Cambridge, MA: MIT Press.
9. Cutting, J.E. & Kavanagh, J.F. (1975). On the relationship of speech to language. *American Speech and Hearing Association*, 17, 500-506.
10. Dorman, M.F., Cutting, J.E., Raphael, L.J. (1975). Perception of temporal order in vowel sequences with and without formant transitions. *Journal of Experimental Psychology: Human Perception and Performance*, 1, 121-129.
11. Kavanagh, J.F. & Cutting, J.E., Eds. (1975). *The role of speech in language*. Cambridge, Mass.: MIT Press.

1976

12. Blechner, M.J., Day, R.S., & Cutting, J.E. (1976). Processing two dimensions of nonspeech stimuli: The auditory-phonetic distinction reconsidered. *Journal of Experimental Psychology: Human perception and Performance*, 2, 257-266.
13. Cutting, J.E. (1976). Auditory and linguistic processes in speech perception: Inferences from six fusions in dichotic listening, *Psychological Review*, 83, 114-140.
14. Cutting, J.E. & Dorman, M.F. (1976). Discrimination of intensity differences carried on for-

mant transitions varying in extent and duration. *Perception & Psychophysics*, 20, 101-107.

15. Cutting, J.E., Rosner, B.S. (1976). Discrimination functions predicted from categories in speech and music. *Perception & Psychophysics*, 20, 87-88.
16. Cutting, J.E., Rosner, B.S. & Foard, C.F. (1976). Perceptual categories for music-like sounds: Implications for theories of speech perception. *Quarterly Journal of Experimental Psychology*, 28, 361-378.
17. Cutting, J.E. & Schatz, N.J. (1976). On the relationship between intercategory and intracategory semantic structure. *Bulletin of the Psychonomic Society*, 8, 406-408.
18. Healy, A.F., & Cutting, J.E. (1976). Units of speech perception: Phoneme and syllable. *Journal of Verbal Learning and Verbal Behavior*, 15, 73-84.

1977

19. Cutting, J.E. (1977). The magical number two and the natural categories of speech and music. In N.S. Sutherland (Ed.) *Tutorial essays in psychology* (Vol. 1, pp. 1-22), Hillsdale, NJ: Erlbaum Associates.
20. Cutting, J.E. & Kozlowski, L.T. (1977). Recognizing friends by their walk: Gait perception without familiarity cues. *Bulletin of the Psychonomic Society*, 9, 353-356.
21. Jusczyk, P.W., Rosner, B.S., Cutting, J.E., Foard, C.F. & Smith, L.B. (1977). Categorical perception of nonspeech sounds by 2-month-old infants. *Perception & Psychophysics*, 21, 50-54.
22. Kozlowski, L.T. & Cutting, J.E. (1977). Recognizing the sex of a walker from a dynamic point-light display. *Perception & Psychophysics*, 21, 575-580.

1978

23. Barclay, C.D., Cutting, J.E., & Kozlowski, L.T. (1978). Temporal and spatial factors in gait perception that influence gender recognition. *Perception & Psychophysics*, 23, 145-152.
24. Cutting, J.E. (1978). Generation of synthetic male and female walkers through manipulation of a biomechanical invariant. *Perception*, 7, 393-405.
25. Cutting, J.E. (1978). Perceiving the geometry of age in a human face. *Perception & Psychophysics*, 24, 566-568.
26. Cutting, J.E. (1978). A program to generate synthetic walkers as dynamic point-light displays. *Behavior Research Methods & Instrumentation*, 10, 91-94.

27. Cutting, J.E. (1978). There may be nothing peculiar to perceiving in a speech mode. In J. Requin (Ed.), *Attention and performance VII*, (pp. 229-243). Hillsdale, NJ: Erlbaum Associates.
28. Cutting, J.E. & Pisoni, D.B. (1978). An information-processing approach to speech perception. In J.F. Kavanagh & W. Strange (Eds.), *Speech and language in the laboratory, school, and clinic*, (pp. 38-72). Cambridge, MA: MIT Press.
29. Cutting, J.E., Proffitt, D.R., & Kozlowski, L.T. (1978). A biomechanical invariant for gait perception. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 357-372.
30. Kozlowski, L.T. & Cutting, J.E. (1978). Recognizing the gender of walkers from point-lights mounted on ankles: Some second thoughts. *Perception & Psychophysics*, 23, p. 459.
- 1979**
31. Proffitt, D.R. & Cutting, J.E. (1979). Perceiving the centroid of configurations on a rolling wheel. *Perception & Psychophysics*, 25, 389-398.
32. Proffitt, D.R. & Cutting, J.E. & Stier, D.M. (1979). Perception of wheel-generated motions. *Journal of Experimental Psychology: Human Perception and Performance*, 5, 289-302.
33. Virostek, S.E. & Cutting, J.E. (1979). Asymmetries for Ameslan handshapes and other forms in signer and nonsigners. *Perception & Psychophysics*, 26, 505-508.
- 1980**
34. Cutting, J.E. (1980). Sign language and spoken language. *Nature*, 284, 661-662.
35. Proffitt, D.R., & Cutting, J.E. (1980). An invariant for wheel-generated motions and the logic of its determination. *Perception*, 9, 435-449.
36. Proffitt, D.R., & Cutting, J.E. (1980). Perceiving the centroid of curvilinearly bounded rolling shapes. *Perception & Psychophysics*, 28, 484-487.
37. Remez, R.E., Cutting, J.E., & Studdert-Kennedy, M. (1980). Cross-series adaptation using song and string. *Perception & Psychophysics*, 27, 524-530.
38. Shaw, R.E. & Cutting, J.E. (1980). Clues from an ecological theory of event perception. In U. Bellugi & M. Studdert-Kennedy (Eds.) *Sign language and spoken language: Biological constraints on linguistic form*, (pp. 57-84). Weinheim, Germany: Verlag Chemie.
- 1981**
39. Cutting, J.E. (1981). Bars and stripes forever: Fourier analysis and vision. *Contemporary Psychology*, 26, 742-744.
40. Cutting, J.E. (1981). Coding theory adapted to gait perception. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 71-87.
41. Cutting, J.E. (1981). Six tenets for event perception. *Cognition*, 10, 71-78. Reprinted in R. Casati & A. C. Varzi, Eds. (1996). *Events*. Aldershot, UK: Dartmouth Publishing. (a book in the *International Research Library of Philosophy*, Vol 15).
42. Cutting, J.E. & Proffitt, D.R. (1981). Gait perception as an example of how we may perceive events. In R. Walk & H.L. Pick (Eds.), *Intersensory perception and sensory integration* (pp. 249-273). New York: Plenum.
- 1982**
43. Cutting, J.E. (1982). Blowing in the wind: Perceiving structure in trees and bushes. *Cognition*, 12, 25-44.
44. Cutting, J.E. (1982). Plucks and bows are categorically perceived, sometimes. *Perception & Psychophysics*, 31, 462-478.
45. Cutting, J.E. (1982). Two ecological perspectives: Gibson vs. Shaw and Turvey. *American Journal of Psychology*, 95, 199-222.
46. Cutting, J.E. & Proffitt, D.R. (1982). The minimum principle and the perception of absolute, common, and relative motions. *Cognitive Psychology*, 14, 211-246.
- 1983**
47. Cutting, J.E. (1983). Four assumptions about invariance in perception. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 310-317.
- 1984**
48. Bertenthal, B.I., Proffitt, D.R., & Cutting, J.E. (1984). Infant sensitivity to invariant structure revealed through motion. *Journal of Experimental Child Psychology*, 37, 213-230.
49. Cutting, J.E. (1984). Perception. *Yearbook of Science and Technology*, 1985, 324-326. New York: McGraw Hill.
50. Cutting, J.E. (1984). Reflections on surfaces: A cross-disciplinary reply to Stevens. *Journal of Experimental Psychology: General*, 113, 221-224.
51. Cutting, J.E. & Millard, R.T. (1984). Three gradients and the perception of flat and curved surfaces. *Journal of Experimental Psychology: General*, 113, 198-216.
- 1985**
52. Cutting, J.E. (1985). Gibson, representation, and belief. *Contemporary Psychology*, 30, 186-188.
53. Priest, H., & Cutting, J.E. (1985). Visual flow and direction of locomotion. *Science*, 227, 1063-1064.
- 1986**
54. Cutting, J.E. (1986). Comments on generating caricatures. *Leonardo*, 18, p. 92.

55. Cutting, J.E. (1986). Perceiving and recovering structure from events. In N.I. Badler & J.K. Tsotsos (Eds.), *Motion: Representation and perception*, pp. 141-147. New York: North-Holland.
56. Cutting, J.E. (1986). *Perception with an eye for motion*. Cambridge, MA: Bradford Books/ MIT Press, 321 pp.
57. Cutting, J.E. (1986). Review of *Perception* by I. Rock. *Quarterly Review of Biology*, 61, 140-141.
58. Cutting, J.E. (1986). The shape and psychophysics of cinematic space. *Behavior Research Methods, Instruments, & Computers*, 18, 551-558.
- 1987**
59. Cutting, J.E. (1987). On cross ratios and motion perception: A reply to Niall. *Journal of Mathematical Psychology*, 31, 439-440.
60. Cutting, J.E. (1987). Perception and information. *Annual Review of Psychology*, 38, 61-90.
61. Cutting, J.E. (1987). Rigidity in cinema seen from the front row, side aisle. *Journal of Experimental Psychology: Human Perception and Performance*, 13, 323-334.
62. Cutting, J.E. & Garvin, J.J. (1987). Fractal curves and complexity. *Perception & Psychophysics*, 42, 365-370.
- 1988**
63. Bruno, N. & Cutting, J.E. (1988). Minimodularity and the perception of layout. *Journal of Experimental Psychology: General*, 117, 161-170.
64. Cutting, J.E. (1988). Affine distortions of pictorial space: Some predictions for Goldstein (1987) that La Gounerie (1859) might have made. *Journal of Experimental Psychology: Human Perception and Performance*, 14, 305-311.
65. Cutting, J.E. (1988). Review of *Odd perceptions* by Richard L. Gregory. *American Scientist*, 76, p. 408.
66. Cutting, J.E. & Bruno, N. (1988). Additivity, subadditivity, and the use of perceptual information: A reply to Massaro. *Journal of Experimental Psychology: General*, 117, 422-424.
67. Cutting, J.E., Moore, C. & Morrison, R. (1988). Masking the motions of human gait. *Perception & Psychophysics*, 44, 339-347.
- 1990**
68. Busey, T.A., Brady, N.P., Cutting, J.E. (1990). Compensation is unnecessary for the perception of faces in slanted pictures. *Perception and Psychophysics*, 48, 1-11.
- 1991**
69. Cutting, J.E. (1991). Four ways to reject directed perception. *Ecological Psychology*, 3, 25-34.
70. Cutting, J.E. (1991). On the efficacy of cinema, or what the visual system did not evolve to do. In S. Ellis, M. Kaiser, & A. Grunwald (Eds.) *Pictorial communication in virtual and real environments* (pp. 486-495). London: Taylor & Francis.
71. Cutting, J.E. (1991). Optical flow versus retinal flow as sources of information for flight guidance. In W.W. Johnson & M.K. Kaiser (Eds.) *Visually guided control of movement*. (pp. 74-86.) NASA Conference Publication 3118.
72. Cutting, J.E. (1991). Why our stimuli look as they do. In G. Lockhead & J.R. Pomerantz (Eds.) *The perception of structure: Essays in honor of Wendell R. Garner*. (pp. 41-52). Washington, DC: American Psychological Association.
- 1992**
73. Cutting, J.E., Bruno, N., Brady, N., & Moore, C. (1992). Selectivity, scope, and simplicity of models: A lesson from fitting judgments of perceived depth. *Journal of Experimental Psychology: General*, 121, 364-381.
74. Cutting, J.E., Springer, K., Braren, P. & Johnson, S. (1992). Wayfinding on foot from information in retinal, not optical, flow. *Journal of Experimental Psychology: General*, 121, 41-72, & p. 129.
- 1993**
75. Cutting, J.E. (1993). Perceptual artifacts and phenomena: Gibson's role in the 20th century. S. Masin (Ed.) *Foundations of perceptual theory*. (pp. 231-260) Amsterdam: North-Holland.
- 1995**
76. Cutting, J.E. & Vishton, P.M. (1995). Perceiving layout and knowing distances: The interaction, relative potency, and contextual use of different information about depth. In W. Epstein & S. Rogers (Eds.) *Perception of space and motion*. (pp. 69-117). San Diego, CA: Academic Press.
77. Cutting, J.E., Vishton, P.M., & Braren, P.A. (1995). How we avoid collisions with stationary and with moving obstacles. *Psychological Review*, 102, 627-651.
78. Vishton, P.M. & Cutting, J.E. (1995). Wayfinding, displacements, and mental maps: Velocity fields are not typically used to determine one's aimpoint. *Journal of Experimental Psychology: Human Perception and Performance*, 21, 978-995.
- 1996**
79. Cutting, J.E. (1996). Wayfinding from multiple sources of local information in retinal flow. *Journal of Experimental Psychology: Human Perception and Performance*, 22, 1299-1313.
- 1997**
80. Cutting, J.E. (1997). How the eye measures reality and virtual reality. *Behavior Re-*

- search Methods, Instrumentation, & Computers*, 29, 29-36.
81. Cutting, J.E. Vishton, P.M., Flückiger, M., Baumberger, B., & Gerndt, J.D. (1997). Heading and path information from retinal flow in naturalistic environments. *Perception & Psychophysics*, 60, 426-441.
- 1998**
82. Cutting, J.E. (1998). Information from the world around us. In J. Hochberg (Ed.) *Perception and cognition at the end of the century* (pp. 69-93) San Diego, CA: Academic Press.
83. Cutting, J.E. & Massironi, M. (1998). Pictures and their special status in cognitive inquiry. In J. Hochberg (ed.) *Perception and cognition at the end of the century* (pp. 137-168) San Diego, CA: Academic Press.
- 1999**
84. Cutting, J.E., Wang, R.F., Flückiger, M., Baumberger, B. (1999). Human heading judgments and object-based motion information. *Vision Research*, 39, 1079-1105.
85. Vishton, P.M., Rea, J.G., Cutting, J.E. & Nuñez, L.N. (1999). Comparing effects of the horizontal-vertical illusion on grip scaling and judgment: Relative vs. absolute, not perception vs. action. *Journal of Experimental Psychology: Human Perception and Performance*, 25, 1659-1672.
86. Wang, R.F. & Cutting, J.E. (1999). Where we go with a little good information. *Psychological Science*, 10, 72-76.
87. Wang, R.F. & Cutting, J.E. (1999). A probabilistic model for heading judgments from converging elements. *Computer Vision and Image Understanding*. 76, 205-212.
- 2000**
88. Cutting, J.E. (2000). Accuracy, scope, and flexibility of models. *Journal of Mathematical Psychology*, 44, 3-19.
89. Cutting, J.E. (2000). Images, imagination, and movement: Pictorial representations and their development in the work of James Gibson. *Perception*, 29, 635-648.
90. Cutting, J.E. (2000). Palmer's vision. *American Journal of Psychology*. 113, 458-460.
91. Cutting, J.E. (1999/2000). Review of Joseph Anderson's *The reality of illusion: An ecological approach to cognitive film theory*. *Journal of Film and Video*. 51, 97-99.
92. Cutting, J.E., Alliprandini, P.M.Z., & Wang, R.F. (2000). Seeking one's heading through eye movements. *Psychonomic Bulletin & Review*. 7, 490-498.
93. Cutting, J.E., & Wang, R.F. (2000). Heading judgments in minimal environments: The value of a heuristic when invariants are rare. *Perception & Psychophysics*, 62, 1146-1159.
- 2002**
94. Cutting, J.E. (2002). Invariants and cues, a commentary on Joel Norman. *Behavioral and Brain Sciences*. 25, 102-103.
95. Cutting, J.E. & Readinger, W.O. (2002). Perceiving motion while moving, or how pairwise invariants make optical flow cohere. *Journal of Experimental Psychology: Human Perception and Performance*, 28, 731-747.
96. Cutting, J.E., Readinger, W.O., & Wang, R.F. (2002) Walking, looking to the side, and taking curved paths. *Perception & Psychophysics*, 64, 415-425.
97. Readinger, W.O., Chatziastros, A., Cunningham, D.W., Bühlhoff, H.H., & Cutting, J.E. (2002). Systematic effects of gaze-eccentricity on steering. *Journal of Experimental Psychology: Applied*, 4, 247-258.
98. Cutting, J.E. (2002). Representing motion in a static image: Constraints and parallels in science, art, and popular culture. *Perception*, 31, 1165-1194.
- 2003**
99. Cutting, J.E. (2003). Reconceiving perceptual space. H. Hecht, R. Schwartz, & M. Atherton (Eds.) *Looking into pictures: An interdisciplinary approach to pictorial space*, Cambridge, MA: MIT Press. pp. 215-238.
100. Cutting, J.E. (2003). Gustave Caillebotte, French Impressionism, and mere exposure. *Psychonomic Bulletin & Review*, 10, 319-343.
- 2004**
101. Wang, R.F. & Cutting, J.E. (2004). Eye movements and an object-based model of heading perception. In L. Vaina, S. Beardsley, & S. Rushton (Eds.) *Optic flow and beyond* (pp. 61-78) Amsterdam: Kluwer Academic Press.
- 2005**
102. Cutting, J. E. (2005). Perceiving scenes in film and in the world. In J. D. Anderson & B. F. Anderson (Eds.). *Moving image theory: Ecological considerations* (pp. 9-27). Carbondale, IL: Southern Illinois University Press.
- 2006**
103. Cutting, J.E. (2006). *Impressionism and its canon*. Lanham, MD: University Press of America.
- Reviews:
Maynard, P. (2007). *Journal of Aesthetics and Art Criticism*, 65, 246-248.
- Glou, E. (2006). *Arts and Neurosciences*. <http://www.arts-neurosciences.org/Book-review.html>

See also:

Rubin, J.H. (2006). *Art Bulletin*, 86, 399-402.

104. Cutting, J.E. (2006). The mere exposure effect and aesthetic preference. In P. Locher, C. Martindale, & L. Dorfman, V. (Eds.) *New directions in aesthetics, creativity, and the psychology of art*. (pp. 33-46). Amityville, NY: Baywood Publishing.

2007

105. Cutting, J.E. (2007). Framing the rules of perception: Hochberg vs. Galileo, Gestalts, Garner, and Gibson. In M. A. Peterson, B. Gillam, & H. Sedgwick (Eds.), *In the mind's eye: Julian Hochberg on the perception of pictures, film, and the world*. (pp. 495-503). New York: Oxford University Press.
106. Cutting, J.E. (2007). On the growth of *Psychological Science*. *APS Observer*, 20, 000-000.
107. Cutting, J. E. (2007). Rhythms of research. *Psychological Science*, 18, 000-000.

108. Gonzalez-Marquez, M., Becker, R. B., & Cutting, J. E. (2007). An introduction to experimental methods for language researchers. In M. Gonzalez-Marquez, I. Mittelberg, S. Coulson, & M. Spivey (Eds.) *Methods in cognitive linguistics: Ithaca* (pp. 53-86). Amsterdam: John Benjamins.

In Press

109. Cutting, J.E. (in press). Mere exposure, reproduction, and the Impressionist canon. In A. Brzyski (Ed). *Partisan Canons*. Durham, NC: Duke University Press.
110. Readinger, W.O., Chatziastros, A., Cunningham, D.W., Cutting, J.E., & Bülthoff, H.H. (in press). Drivers steer in their direction of gaze. In A. C. Gale, M.H. Freeman, & C.H. Halsgrave (Eds.), *Vision in Vehicles IX*. Amsterdam: Elsevier Science, in press.

Convention Presentations, Invited Addresses, Exhibits, Newsletter Contributions, Memorial Statements

Day, R.S. & Cutting, J.E. (November 1970). Levels of processing in speech perception. Paper presented at the 10th Meeting of the Psychonomic Society, San Antonio.

Day, R.S. & Cutting J.E. (1971). Perceptual competition between speech and nonspeech. *Journal of the Acoustical Society of America*, 49, 85 (Abstract).

Day, R.S. & Cutting, J.E. (April, 1971). What constitutes perceptual competition in dichotic listening? Paper presented at the Annual Meeting of the Eastern Psychological Association, New York.

Day, R.S., Cutting, J.E. & Copeland, P.M. (November, 1971). Perception of linguistic and nonlinguistic dimensions of dichotic stimuli. Paper presented at the 11th Meeting of the Psychonomic Society, St. Louis.

Huesmann, L.R., Brelsford, J.W., Cutting, J.E., & Lang, M. (November, 1971). Retrieval strategies in complex memory scanning tasks. Paper presented at the 11th Meeting of the Psychonomic Society, St. Louis.

Cutting, J.E., & Day, R.S. (1972). Dichotic fusion along an acoustic continuum. *Journal of the Acoustical Society of America*, 52, 175 (Abstract).

Cutting, J.E. (1973). A parallel between degree of encodedness and the ear advantage: Evidence from an ear-monitoring task. *Journal of the Acoustical Society of America*, 53, 358 (Abstract).

Cutting, J.E. (1973). Ear advantage for stops and liquids initial and final position. *Journal of the Acoustical Society of America*, 54, 285 (Abstract).

Day, R.S., Bartlett, J.C. & Cutting, J.E. (1973). Memory for dichotic pairs: Disruption of ear report performance by the speech-

nonspeech distinction. *Journal of the Acoustical Society of America*, 53, 358 (Abstract).

Dorman, M.R., Cutting, J.E. & Raphael, L.J. (1974). Perception of temporal order in vowel sequences with and without formant transitions. *Journal of the Acoustical Society of America*, 56, S54 (Abstract).

Sawusch, J.R., Pisoni, D.B. & Cutting, J.E. (1974). Category boundaries for linguistic and nonlinguistic dimensions of the same stimuli. *Journal of the Acoustical Society of America*, 55, S55 (Abstract).

Jusczyk, P.W., Rosner, B.S., Cutting, J.E., Foard, C.F. & Smith, L. (April, 1975). Categorical perception of nonspeech sounds in the two-month-old infant. Paper presented to the biennial meeting of the Society for Research in Child Development, Denver.

Cutting, J.E. (November, 1976). There may be nothing peculiar to perceiving in the speech mode. Paper presented at the 17th Meeting of the Psychonomic Society, St. Louis.

Cutting, J.E. (November, 1977). An invariant for gait perception without familiarity cues. Paper presented at the 18th Meeting of the Psychonomic Society, Washington D.C.

Cutting, J.E. (November, 1978). Invariance and the deep structure of events. Paper presented at the 19th Meeting of the Psychonomic Society, San Antonio.

Cutting, J.E. (November, 1980). Perceiving moving wholes and moving parts. Paper presented at the 21st Meeting of the Psychonomic Society, St. Louis.

Cutting, J.E. (November, 1981). Blowing in the Wind: perceiving structure in trees and bushes. Paper presented at the 22nd Meeting of Psychonomic Society, Philadelphia.

- Cutting, J.E. (August, 1982). Perceiving invariant cross ratios in rotating objects. Paper presented at the 15th Meeting of the Society for Mathematical Psychology, Princeton.
- Cutting, J.E. (October, 1982). Motion parallax and visual flow: How to determine direction of locomotion. Paper presented at the 4th meeting of the International Society of Ecological Psychology, Hartford.
- Cutting, J.E. (November, 1982). Cross ratio: An invariant of layout sometimes perceived, sometimes not. Paper presented at the 23rd Meeting of the Psychonomic Society, Minneapolis.
- Cutting, J.E. (January, 1983). Perception and invariants. Paper presented at the 8th Interdisciplinary Conference, Steamboat Springs.
- Cutting, J.E. (February, 1983). On the underdetermination of perception by invariants. Invited address before the Lake Ontario Vision Establishment, Niagara Falls, Ontario.
- Cutting, J.E. (September, 1983). On the recovery of structure in event perception. Paper presented at the 81st meeting of the American Psychological Association, Anaheim.
- Cutting, J.E. (November, 1983). Three gradients and the perception of flat and curved surfaces. Paper presented at the 24th Meeting of the Psychonomic Society, San Diego.
- Cutting, J.E. (November, 1984). Going with the flow. Paper presented at the 25th Meeting of the Psychonomic Society, San Antonio.
- Cutting, J.E. (January, 1985). On knowing where you are going. Paper presented at the 10th Interdisciplinary Conference, Jackson Hole.
- Cutting, J.E. (November, 1985). Rigidity in cinema seen from the front row, side aisle. Paper presented at the 26th Meeting of the Psychonomic Society, Boston.
- Cutting, J.E. (July, 1986). Information, inference, and perception. Paper presented at the Cornell Summer Symposium on Perception of Cognition, Ithaca.
- Cutting, J.E. (August, 1986). Three kinds of inference in perception. Paper presented at the APA Symposium on "Computation, Inference, and Perception: Theoretical Essays in honor of Irvin Rock." 84th Meeting of the American Psychological Association, Washington.
- Cutting, J.E. (November, 1986). Fractals and complexity. Paper presented at the 27th Meeting of the Psychonomic Society, New Orleans.
- Cutting, J.E. (April, 1987). Reply to Mandelbrot's "Fractals: Complex relationships in mathematics, the sciences, and the arts." Presented at the Conference on "Analyzing the inchoate: Complex interrelations in the Humanities and Sciences." Ithaca.
- Bruno, N. & Cutting, J.E. (August, 1987) Multiple specification of perceived distance. Paper presented at the 4th International Conference on Event Perception and Action, Trieste.
- Cutting, J.E. (August, 1987) Rigidity in cinema seen from the front row, side aisle. Paper presented at the 4th International Conference on Event Perception and Action, Trieste.
- Cutting, J.E. (September, 1987) Cinematic efficacy, or what the visual system did not evolve to do. Paper presented at the NASA Spatial Displays and Spatial Instruments Conference and Workshop, Asilomar.
- Cutting, J.E. & Bruno, N. (November, 1987) Minimodularity and visual information about depth. Paper presented at the 28th Meeting of the Psychonomic Society, Seattle.
- Cutting, J.E. (August, 1989) How we find our way through cluttered environments. Invited address. 87th Meeting of the American Psychological Association Convention, New Orleans.
- Cutting, J.E. (August, 1989) The ethics of publishing: The changing boundary between ethics and etiquette. Symposium participant, 87th Meeting of the American Psychological Association Convention, New Orleans.
- Cutting, J.E. (November, 1989) Wayfinding on foot by differential motion parallax. Paper presented at the 30th Meeting of the Psychonomic Society, Atlanta.
- Cutting, J.E. (November, 1990). Wayfinding from multiple sources of information. Paper presented at the 31st Meeting of the Psychonomic Society, New Orleans.
- Cutting, J.E. (June, 1991). On how little feature detectors have told us about motion in the real world. Paper presented at the Cornell Summer Symposium on Ecological Approaches to the Biological Substrates of Vision, Ithaca.
- Cutting, J.E. (July-August, 1991). Establishing psychology at Cornell: The Titchener Years. Exhibit at Olin Library for the Cornell Psychology Centennial Celebration, Ithaca.
- Cutting, J.E. (November, 1991). Do moving observers decompose retinal flow? Paper presented at the 32nd Meeting of the Psychonomic Society, San Francisco.
- Cutting, J.E. (July, 1992). Beyond Gibson's legacies. Paper presented as part of the symposium on Theories of Perception at the End of the 20th Century, at the 25th International Congress of Psychology, Brussels. Abstract published in the *International Journal of Psychology*, 27, 3-4.
- Cutting, J.E. (October, 1992). In Review: Ulric Neisser's "The ecological and social roots of Cognition." *Psych Notes*, 2, 6-7.
- Cutting, J.E. & Braren, P.A. (November, 1992). Visual information during locomotion for avoiding stationary objects. 33rd Meeting of the Psychonomic Society, St Louis.
- Cutting, J.E. (Spring, 1993). Viviani speaks on perception, motor competencies for ninth Gibson lecture. *Psych Notes*, 2, 4.

- Cutting, J.E. (June, 1993) Motion, images, and scientific imagination. 5th conference of the Academie du Midi, Tuchan, France.
- Cutting, J.E. & Vishton, P.M. (August, 1993) Mental maps not flowfields are used in human navigation. 16th European Conference in Visual Perception, Edinburgh, Scotland. Abstract reprinted in *Perception*, 22 (Supplement), p. 11.
- Vishton, P.M., Nijhawan, R., & Cutting, J.E. (1994). Moving observers utilize static depth cues in determining their direction of motion. *Investigative Ophthalmology & Visual Science*, 35, p. 2000.
- Cutting, J.E. (1994). The perception of layout and the tenth Gibson lecture. *Psych Notes*, 3, 1, 4-5.
- Cutting, J.E. & Vishton, P.M. (November, 1994). Perceiving layout and knowing distances. 35th Meeting of the Psychonomic Society, St. Louis, MO.
- Cutting, J.E. & Vishton, P.A. (May, 1995). Heading and collision information in full-cue simulated pursuit-fixation displays. *Investigative Ophthalmology & Visual Science*, 36, p. S829.
- Vishton, P.M. & Cutting, J.E. (May, 1995). Veridical size perception for action: Reaching vs. estimating. *Investigative Ophthalmology & Visual Science*, 36, p. S358.
- Cutting, J.E. (July, 1995). Perceiving layout and knowing distances. The 7th International Conference on Perception and Action. Marseille.
- Cutting, J.E. (March, 1996). Perceiving and understanding depth. Annual Meeting of the Society of Experimental Psychologists. Providence, RI.
- Cutting, J.E., Flückiger, M., Baumberger, B., & Gerndt, J.D. (April, 1996). Local heading information and layout from full-cue simulated pursuit-fixation displays. *Investigative Ophthalmology & Visual Science*, 37, p. S455.
- Flückiger, M., Cutting, J.E., Baumberger, B., & Leoni-Salem, C. (April, 1996). How do we map environments as we move through them? *Investigative Ophthalmology & Visual Science*, 37, p. S455.
- Vishton, P.M., Cutting, J.E., & Simons, D.J. (April, 1996). Driving simulation provides a more ecological assessment of human heading perception in foggy conditions. *Investigative Ophthalmology & Visual Science*, 37, p. S433.
- Cutting, J.E. (May, 1996). How the eye measures reality and virtual reality. Symposium on high-performance computer applications in the behavioral sciences. Minneapolis, MN.
- Flückiger, M., Cutting, J.E., Leoni-Salem, C., & Baumberger, B. (Sept, 1996). Object and path perception in simulated locomotion. 19th European Conference on Visual Perception. *Perception*, 25 (Supplement), S89.
- Cutting, J.E., R.F. Wang, & T.-H. Chia. (May, 1997). Heading information from minimal displays. *Investigative Ophthalmology & Visual Science*, 38, p. S481.
- Flückiger, M., Cutting, J.E., & Baumberger, B. (May, 1997). Visual flow patterns of simulated locomotion and viewers' reproduction of paths and layout. *Investigative Ophthalmology & Visual Science*, 38, p. S80.
- Vishton, P.M., Cutting, J.E., Rea, J.G. (May, 1997). Titchener circles & horizontal-vertical illusions do not affect manual prehension or judgments of absolute size; Müller-Lyer affects both. *Investigative Ophthalmology & Visual Science*, 38, p. S643.
- Cutting, J.E., Alliprandini, P.M.Z., Creutz, E.A., & Wang, R.F. (May, 1998). Heading judgments and information seeking: The purposive behavior of eye movements. *Investigative Ophthalmology & Visual Science*, 39, p. S000.
- Gaffié, J., Flückiger, M., Baumberger, B. & Cutting, J.E. (Aug, 1999). Perception of simulated trajectories by drivers and passengers. 21st European Conference in Visual Perception. *Perception*, 25 (Supplement), p. 89.
- Wang, R.F., & Cutting, J.E. (May, 2000). A probabilistic model for heading judgments from converging elements. *Investigative Ophthalmology & Visual Science*, , p. S169.
- Readeringer, W.O. & Cutting, J.E. (May, 2000). Recognizing motion while moving: Heading invariants as indicators of nonrigid elements. *Investigative Ophthalmology & Visual Science*, p. S169.
- Flückiger, M., Baumberger, B., & Cutting, (May, 2000). Perspective versus map responses in layout perception. *Investigative Ophthalmology & Visual Science*, p. S50.
- Cutting, J.E. (June, 2000). Reconciling perceptual space. ZiF conference, Bielefeld, Germany. M. Atherton, H. Hecht, & R. Schwartz, organizers.
- Gaffié, J., Flückiger, M., Baumberger, B. & Cutting, J.E. (Aug, 2000). How children drive and map in computer simulated environments. 22st European Conference in Visual Perception. *Perception*, 26 (Supplement), p. 89.
- Cutting, J.E., Readeringer, W., & Wang, R.F. (Nov, 2000). Walking, looking to the side, and taking curved paths. 40th Meeting of the Psychonomic Society. New Orleans.
- Readeringer, W., Chatziastros, A, Cunningham, D., Cutting, J., & Bühlhoff, H. (May, 2001). Gaze-eccentricity effects on automobile driving performance – or – going where you look. Visual Sciences Society.
- Flückiger, M., Baumberger, B., & Cutting, J. (May, 2001). Virtual driving performances from different eye-height. Visual Sciences Society.

- Readinger, W.O., Chatziastros, A., Cunningham, D.W., Cutting, J.E., & Bülthoff, H.H. (Aug, 2001). Drivers steer in their direction of gaze. Vision in Vehicles conference, Australia.
- Cutting, J.E. (Nov, 2001). Gustave Caillebotte, the Impressionist canon, and mere exposure. 41st meeting of the Psychonomic Society, Orlando.
- Cutting, J.E, Finlay, B.F, & Neisser, U. (2002-2003) Eleanor J. Gibson. *Memorial Statements, Cornell University Faculty, 2002-03*. Pp. 23-24.
- Cutting, J.E. (Mar, 2003). Gustave Caillebotte and the development of the French Impressionist canon. 100th meeting of the Society of Experimental Psychologists, St Louis, MO.
- Brewer, M, Cutting, J.E., & Lilienfeld, S (May, 2003). APSSC Workshop—How to get published: Guidance from journal editors. 10th Annual meeting of the American Psychological Society, Atlanta, GA.
- Cutting, J.E. (Feb, 2004). Caillebotte, Durand-Ruel, Rewald, and the Impressionist Canon. 92nd College Art Association Meeting, Seattle, WA.
- Cutting, J.E. (Mar, 2004). Ithaca, Cornell, Titchener, and the Society of Experimental Psychologists: A postcard. 101st Annual Meeting of the Society of Experimental Psychologists. Ithaca, New York.
- Cutting, J.E. (Aug, 2005). Canon, Category, and Culture: An empirical historiography of French Impressionism. Division 3 invited address to the 123rd Annual meeting of the American Psychological Association, Washington, DC.
- Cutting, J. E. (Nov, 2006). Representing motion in a static image. Invited address, 70th Annual Meeting of the Japanese Psychological Association. Fukuoka, Japan.
- Cutting, J. E. (Nov, 2006). Comments on kansei and perception. Invited response. 70th Annual Meeting of the Japanese Psychological Association. Fukuoka, Japan.
- Cutting, J. E. (May 2007). Rhythms of research in *Psychological Science*. Invited address for the 19th annual meeting of the Association for Psychological Science. Washington, DC.

Colloquia & Invited Addresses

- Fusion, rivalry, and "cyclotean" perception.
Wesleyan University, February, 1974
University of Connecticut, March, 1974
Cornell University, March, 1974
University of Pennsylvania, March, 1974
Princeton University, March, 1974
- The magical number two plus or minus a small fudge factor: Some limits on our ability to process information.
Wesleyan University, September, 1974
- Auditory and linguistic processes in speech perception: Inferences from six fusions in dichotic listening.
Yale University, October, 1975
- Feature Detection in Speech and Music.
Wesleyan University, February, 1976
- Parallels between the perception of speech and music.
State University of New York at Stony Brook, October, 1975
Columbia University, March, 1976
University of California at San Diego, November, 1976
Rockefeller University, February, 1977
University of Massachusetts, March, 1977
Brown University, April, 1977
Stanford University, April, 1978
University of California at Berkeley, May, 1978
- Walking and talking: Some conceptual parallels.
Wesleyan University, March, 1977
- Perceiving how we walk: Gait perception without familiarity cues.
Stanford University, October, 1977
University of Oregon, January, 1978
University of Oregon, January, 1978
Salk Institute for Biological Studies, March, 1978
- Perception of rotary motion.
University of Oregon, January, 1978
Stanford University, February, 1978
Wesleyan University, November, 1978
- What the perception of movement and of speech might tell us about the perception of sign language.
Salk Institute for Biological Studies, July, 1979
- Plucks and bows revisited: A case study in the sociology and technology of science.
Cornell University, November, 1980
- Blowing in the wind: On the perceived relations among trees and bushes.
Cornell University, April, 1981
- Perceiving the structure of events
Salk Institute for Biological Studies, April, 1978
University of California at Berkeley, May, 1978
Wesleyan University, September, 1978
- University of Toronto, November, 1978
Yale University, January, 1979
Brandeis University, October, 1979

- Cornell University, December, 1979
- Duke University, March, 1980
 St. Bonaventure University, April, 1981
 Columbia University, October, 1981
 Atari Sunnyvale Research Laboratory, March, 1983
 Hewlett-Packard Corporation, Palo Alto, March, 1983
 Learning Research and Development Center, Pittsburgh, December, 1984
 Università degli studi di Roma, "La Sapienza", Italy, May, 1990
 Laboratory of Experimental Psychology, Universiteit Leuven, Centennial Lecture, Leuven, Belgium, March, 1993
- Gradients and the perception of surfaces.
 University of Virginia, March, 1982
 University of Wisconsin, November, 1982
 Stanford University, March, 1983
 State University of New York at Buffalo, March, 1983
 Cornell University, April, 1983
 Vanderbilt University, April, 1983
 University of California at Berkeley, October, 1983
 Università degli studi di Verona, Italy, May, 1990
- Multiple sources of information in the optic array.
 Stanford University, October, 1983
 University of California at Santa Cruz, February, 1984
 University of California at San Diego, February, 1984
 Queen's University, Kingston, Ontario, March, 1987
- Information, inference, and perception
 Cornell University, April 1986
 NASA Ames Research Center, Moffett Field, June, 1989
- Fractals and complexity
 Wesleyan University, March 1987
- Perception of pictures from the side
 Università degli studi di Padova, Italy, May, 1990
- Wayfinding from retinal flow.
 NASA Ames Research Center, Moffett Field, December, 1983
 Atari Sunnyvale Research Laboratory, Sunnyvale, January, 1984
 Cornell University, February, 1985
 University of Michigan, March, 1985
 University of Arizona, December, 1985
 Rutgers University, March, 1987
 University Of Illinois, October, 1988
 NASA Ames Research Center, Moffett Field, June, 1989
 Yale University, September, 1989
 New School for Social Research, December, 1989
 Università degli studi di Padova, Italy, May, 1990
 University of Connecticut, July, 1990
 University of Wisconsin, November, 1990
 University of Rochester, June, 1991
 University of Syracuse, October, 1991
 Universiteit Nijmegen, The Netherlands, February, 1993
- How we avoid collisions with stationary and moving objects.
 Dartmouth College, October 1992, The 25th Wolfgang Köhler Memorial Lecture
 Universiteit Nijmegen, The Netherlands, February, 1993
 Universiteit Leuven, The Netherlands, March 1993
 Université René Descartes (Paris V), France, April 1993
 Università degli studi di Trieste, Italy, May 1993
 Université de Genève, Switzerland, June 1993
 Université Stendahl, Grenoble, France, June 1993
 Fondazione Centro San Raffaele Del Monte Tabor, Dipartimento di Scienze Cognitive, Milano, Italy, December 1994
- Selectivity, scope, and simplicity of models: A lesson from fitting judgments of perceived depth
 Universiteit Nijmegen, The Netherlands, February, 1993
- Perceiving Depth and Knowing Distances
 Universiteit Nijmegen, The Netherlands, February, 1993
 Université de Genève, Switzerland, November 1993
 Cornell University, February 1994, 10th James J. Gibson Memorial Lecture
 Università degli studi di Padova Italy, December, 1994
 University of Pennsylvania, Institute for Research in Cognitive Science, April, 1995
 State University of New York at Buffalo, Center for Cognitive Science, October 1995
 Collège de France, Paris, July 1996
 University of North Carolina, Chapel Hill, Oct 2005
- Three Lectures at the Université de Genève, Switzerland, March 1997
 En prenant conscience de l'espace: How we perceive layout and know distances
 En prenant conscience du mouvement: How we have come to understand movement
 En prenant conscience du mouvement dans l'espace: How we know where we are going
- Three Lectures for the Provost's "Power of Sight" seminar at the University of Pennsylvania, November 1999
 Depicting Depth and Perceiving the World
 Images, Imagination, and Motion
 Wayfinding and the detection of motion in movement.
- Three Lectures at St. Bonaventure University, April 2004
 The canon of French Impressionism
 American and French Impressionism
 Mere exposure and French Impressionism
- Establishing and maintaining an artistic canon
 Cornell University, October 2005
 University of North Carolina, Chapel Hill, October 2005