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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, 1989-2009  
 International Society for Ecological Psychology, 1983-2008  
 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; *Psychological Science*, 2007-present

**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 formant 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 Gournerie (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 Research 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 de-

velopment 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(8), 17-19.

107. Cutting, J. E. (2007). Rhythms of research. *Psychological Science*, 18, 1023-1026. Reprinted in the *APS Observer*, 20(11), 11-14..

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.

109. Cutting, J.E. (2007). Mere exposure, reproduction, and the Impressionist canon. In A. Brzyski (Ed). *Partisan Canons* (pp 79-91). Durham, NC: Duke University Press.

## 2008

110. Cutting, J.E. (2008). Asynchronous neural integration: Compensation or computational tolerance and skill. A commentary on Nijhawan. *Behavioral and Brain Sciences*, 31, 204-205.

111. Cutting, J.E. (2008). Criteria for basic tastes and other sensory primaries. A commentary on Erickson. *Behavioral and Brain Sciences*, 31, 77-78.

## 2009

112. Cutting, J.E. (in press). The end of art? *Empirical Studies in the Arts*, 27, 153-158.

## In press, in preparation

113. Cutting, J. E. (in press). Gunnar Johansson, events, and biological motion. K. Johnson & M. Shiffrar (Eds.) *Visual perception of the human body in motion: Findings, theory, and practice*. New York: Oxford.

114. Cutting, J. E., DeLong, J. E., & Nothelfer, C. E. (in press). Attention and the evolution of Hollywood film.

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

Day, R.S. & Cutting, J.E. (Nov 1970). Levels of processing in speech perception. Paper presented at the 10<sup>th</sup> 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. (Apr 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. (Nov 1971). Perception of linguistic and nonlinguistic dimensions of dichotic stimuli. Paper presented at the 11<sup>th</sup> Meeting of the Psychonomic Society, St. Louis.

Huesmann, L.R., Brelsford, J.W., Cutting, J.E., & Lang, M. (Nov 1971). Retrieval strategies in complex memory scanning tasks. Paper presented at the 11<sup>th</sup> 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).
- Juszyk, P.W., Rosner, B.S., Cutting, J.E., Foard, C.F. & Smith, L. (Apr 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. (Nov 1976). There may be nothing peculiar to perceiving in the speech mode. Paper presented at the 17<sup>th</sup> Meeting of the Psychonomic Society, St. Louis.
- Cutting, J.E. (Nov 1977). An invariant for gait perception without familiarity cues. Paper presented at the 18<sup>th</sup> Meeting of the Psychonomic Society, Washington D.C.
- Cutting, J.E. (Nov 1978). Invariance and the deep structure of events. Paper presented at the 19<sup>th</sup> Meeting of the Psychonomic Society, San Antonio.
- Cutting, J.E. (Nov 1980). Perceiving moving wholes and moving parts. Paper presented at the 21<sup>st</sup> Meeting of the Psychonomic Society, St. Louis.
- Cutting, J.E. (Nov 1981). Blowing in the Wind: perceiving structure in trees and bushes. Paper presented at the 22<sup>nd</sup> Meeting of Psychonomic Society, Philadelphia.
- Cutting, J.E. (Aug 1982). Perceiving invariant cross ratios in rotating objects. Paper presented at the 15<sup>th</sup> Meeting of the Society for Mathematical Psychology, Princeton.
- Cutting, J.E. (Oct 1982). Motion parallax and visual flow: How to determine direction of locomotion. Paper presented at the 4<sup>th</sup> meeting of the International Society of Ecological Psychology, Hartford.
- Cutting, J.E. (Nov 1982). Cross ratio: An invariant of layout sometimes perceived, sometimes not. Paper presented at the 23<sup>rd</sup> Meeting of the Psychonomic Society, Minneapolis.
- Cutting, J.E. (Jan 1983). Perception and invariants. Paper presented at the 8<sup>th</sup> Interdisciplinary Conference, Steamboat Springs.
- Cutting, J.E. (Feb 1983). On the underdetermination of perception by invariants. Invited address before the Lake Ontario Vision Establishment, Niagara Falls, Ontario.
- Cutting, J.E. (Sep 1983). On the recovery of structure in event perception. Paper presented at the 81<sup>st</sup> meeting of the American Psychological Association, Anaheim.
- Cutting, J.E. (Nov 1983). Three gradients and the perception of flat and curved surfaces. Paper presented at the 24<sup>th</sup> Meeting of the Psychonomic Society, San Diego.
- Cutting, J.E. (Nov 1984). Going with the flow. Paper presented at the 25<sup>th</sup> Meeting of the Psychonomic Society, San Antonio.
- Cutting, J.E. (Jan 1985). On knowing where you are going. Paper presented at the 10<sup>th</sup> Interdisciplinary Conference, Jackson Hole.
- Cutting, J.E. (Nov 1985). Rigidity in cinema seen from the front row, side aisle. Paper presented at the 26<sup>th</sup> Meeting of the Psychonomic Society, Boston.
- Cutting, J.E. (Jul 1986). Information, inference, and perception. Paper presented at the Cornell Summer Symposium on Perception of Cognition, Ithaca.
- Cutting, J.E. (Aug 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." 84<sup>th</sup> Meeting of the American Psychological Association, Washington.
- Cutting, J.E. (Nov 1986). Fractals and complexity. Paper presented at the 27<sup>th</sup> Meeting of the Psychonomic Society, New Orleans.
- Cutting, J.E. (Apr 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. (Aug 1987) Multiple specification of perceived distance. Paper presented at the 4<sup>th</sup> International Conference on Event Perception and Action, Trieste.
- Cutting, J.E. (Aug 1987) Rigidity in cinema seen from the front row, side aisle. Paper presented at the 4<sup>th</sup> International Conference on Event Perception and Action, Trieste.
- Cutting, J.E. (Sep 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. (Nov 1987) Minimodularity and visual information about depth. Paper presented at the 28<sup>th</sup> Meeting of the Psychonomic Society, Seattle.

- Cutting, J.E. (Aug 1989) How we find our way through cluttered environments. Invited address. 87<sup>th</sup> Meeting of the American Psychological Association Convention, New Orleans.
- Cutting, J.E. (Aug 1989) The ethics of publishing: The changing boundary between ethics and etiquette. Symposium participant, 87<sup>th</sup> Meeting of the American Psychological Association Convention, New Orleans.
- Cutting, J.E. (Nov 1989) Wayfinding on foot by differential motion parallax. Paper presented at the 30<sup>th</sup> Meeting of the Psychonomic Society, Atlanta.
- Cutting, J.E. (Nov 1990). Wayfinding from multiple sources of information. Paper presented at the 31<sup>st</sup> Meeting of the Psychonomic Society, New Orleans.
- Cutting, J.E. (Jun 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. (Jul-Aug 1991). Establishing psychology at Cornell: The Titchener Years. Exhibit at Olin Library for the Cornell Psychology Centennial Celebration, Ithaca.
- Cutting, J.E. (Nov 1991). Do moving observers decompose retinal flow? Paper presented at the 32<sup>nd</sup> Meeting of the Psychonomic Society, San Francisco.
- Cutting, J.E. (Jul 1992). Beyond Gibson's legacies. Paper presented as part of the symposium on Theories of Perception at the End of the 20<sup>th</sup> Century, at the 25<sup>th</sup> 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. (Nov 1992). Visual information during locomotion for avoiding stationary objects. 33<sup>rd</sup> 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. (Jun 1993) Motion, images, and scientific imagination. 5<sup>th</sup> conference of the Academie du Midi, Tuchan, France.
- Cutting, J.E. & Vishton, P.M. (Aug 1993) Mental maps not flowfields are used in human navigation. 16<sup>th</sup> 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. (Nov 1994). Perceiving layout and knowing distances. 35<sup>th</sup> 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. (Jul 1995). Perceiving layout and knowing distances. The 7<sup>th</sup> International Conference on Perception and Action. Marseille.
- Cutting, J.E. (Mar 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. (Apr 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. (Apr 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. (Apr 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. (Sep 1996). Object and path perception in simulated locomotion. 19<sup>th</sup> 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. 21<sup>st</sup> 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.
- Readinger, 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. (Jun 2000). Reconceiving 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. 22<sup>nd</sup> European Conference in Visual Perception. *Perception*, 26 (Supplement), p. 89.
- Cutting, J.E., Readinger, W., & Wang, R.F. (Nov 2000). Walking, looking to the side, and taking curved paths. 40<sup>th</sup> meeting of the Psychonomic Society. New Orleans.
- Readinger, 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., & Bühlhoff, 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. 41<sup>st</sup> 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. 100<sup>th</sup> 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. 10<sup>th</sup> Annual meeting of the American Psychological Society, Atlanta, GA.
- Cutting, J.E. (Feb 2004). Caillebotte, Durand-Ruel, Rewald, and the Impressionist Canon. 92<sup>nd</sup> College Art Association Meeting, Seattle, WA.
- Cutting, J.E. (Mar 2004). Ithaca, Cornell, Titchener, and the Society of Experimental Psychologists: A postcard. 101<sup>st</sup> 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 123<sup>rd</sup> Annual meeting of the American Psychological Association, Washington, DC.
- Cutting, J. E. (Nov 2006). Representing motion in a static image. Invited address, 70<sup>th</sup> Annual Meeting of the Japanese Psychological Association. Fukuoka, Japan.
- Cutting, J. E. (Nov 2006). Comments on kansei and perception. Invited response. 70<sup>th</sup> Annual Meeting of the Japanese Psychological Association. Fukuoka, Japan.
- Cutting, J. E. (May 2007). Rhythms of research in *Psychological Science*. Invited address for the 19<sup>th</sup> annual meeting of the Association for Psychological Science. Washington, DC.
- Cutting, J. E, Graham, D. G, & Field, D. J. (Feb, 2008). From a neuroesthetics to a neuroarthistory. 96<sup>th</sup> College Art Association Meeting, Dallas, TX
- Cutting, J. E., DeLong, J. E., & Nothelfer, C. E. (Nov 2009). The evolution of shot structure in Hollywood film. 50<sup>th</sup> meeting of the Psychonomic Society, Boston.

### 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
- Gait synthesis  
Stanford University, October, 1977  
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 25<sup>th</sup> 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  
 University of Toronto, Mississauga, October 2007  
 Université de Genève, Switzerland, October 2007  
 Università di Bologna, Italy, November 2007  
 Università IUAV di Venezia, Italy, November 2007

On the evolution of Hollywood film  
 Ithaca College, April 2009  
 Northwestern University, June 2009