

JOHN W. MULLENNIX VITA

EDUCATION

1986 SUNY at Buffalo, Buffalo, NY Ph.D. Psychology
1980 University of Pittsburgh, Pittsburgh, PA B.S. Psychology

PROFESSIONAL EXPERIENCE

1996-present U. of Pittsburgh at Johnstown, Johnstown, PA Professor of Psychology
2002-2011 Union Institute and University, Cincinnati, OH Adjunct Professor, Psychology
1989-1996 Wayne State University, Detroit MI Assistant Professor, Psychology
1988-1989 Indiana University, Bloomington, IN Visiting Professor, Psychology
1986-1988 Indiana University, Bloomington, IN NIH Postdoctoral Fellow

HONORS AND AWARDS

2005 Faculty Diversity Seminar Fellow, Office of the Provost, U. of Pittsburgh
2003 Phi Kappa Phi National Honor Society
2000 UPJ Natural Sciences Vizzini Teacher of the Year Award
1996 Wayne State University College of Science Teaching Award

TEACHING EXPERIENCE

Undergraduate Courses

Perception
Cognitive Psychology & Lab
Human Memory
Research Methods & Lab
Introductory Psychology
History and Systems of Psychology
Psychology of Language
Artificial Intelligence
Language Disorders
Psychology of Art

Graduate Courses

Attention
Cognitive Research Methods
Speech Perception
Psycholinguistics

PROFESSIONAL SOCIETY AFFILIATIONS

American Society for Aesthetics
Eastern Psychological Association
International Association of Empirical Aesthetics

Consultant Reviewer for Scientific Journals:

Acta Psychologica
Applied Cognitive Psychology
Applied Psycholinguistics
Attention, Perception, & Psychophysics
Behavior Research Methods
Cognition
Ear and Hearing
Experimental and Clinical Psychopharmacology
International Journal of Human-Computer Interaction
Journal of the Acoustical Society of America
Journal of Applied Research in Memory and Cognition
Journal of Experimental Psychology: Human Perception and Performance
Journal of General Education
Journal of Memory and Language
Journal of Nonverbal Behavior
Journal of Phonetics
Journal of Speech, Language and Hearing Research
Memory and Cognition
The Mental Lexicon
Merrill-Palmer Quarterly
Neuroscience Letters
Nicotine & Tobacco Research
North American Journal of Psychology
Perception
Perception and Psychophysics
Perceptual and Motor Skills
Psicothema
Poetics
Psychological Reports
Psychological Review
Psychological Science
Psychology of Aesthetics, Creativity, and the Arts
Psychology of Popular Media Culture
Psychonomic Bulletin and Review

Consultant Reviewer for Textbook Publishers:

McGraw-Hill Publishers
John Wiley & Sons, Inc.
Worth Publishers

RESEARCH GRANT FUNDING

- 2019 University of Pittsburgh Provost's Open Education Resources Grant "Introduction to Psychology," (\$1,000)
- 2012 College Research Council Summer Grant, "Automatic and Controlled Processing of Artistic Photographs," 5-1-12-8-31-12 (\$2,000)
- 2010 (not funded) UPJ liaison to NIH BP-ENDURE Grant, Julie Fiez (U. of Pittsburgh) and Lori Holt (Carnegie Mellon U.), "The Pittsburgh NEURO Network: A collaborative for undergraduate research training in cognitive neuroscience," 5 year grant (\$1,617,569)
- 2010 (not funded) Co-PI with Steven Stern on Pitt UCSUR Steven Manners Faculty Development Award, "Social Perceptions of People with Physical and Speech Disabilities," 7-10 to 8-11 (\$3,799)
- 2010 College Research Council Summer Grant, "The Auditory Weapon Focus Effect," 5-1-10-8-31-10 (\$2,000)
- 2009 College Research Council Summer Grant, "Computer Synthesized Speech Technologies / Crime-Related Earwitness Testimony," 5-1-09-8-31-09 (\$2,000)
- 2008 College Research Council Summer Grant, "Cognitive Aspects of Earwitness Testimony," 5-1-08 to 8-31-08 (\$2,000)
- 2007 (not funded). Co-PI with Dr. Steven Stern, NIH (NIDCD) Grant "Perceptions of Computer-Synthesized Speech and Attitudes toward Disabled Users" (\$227,250)
- 2006 College Research Council Summer Grant, "Diversity across the Curriculum: A Guide for Faculty in Higher Education," 5-1-06 to 8-31-06 (\$2,000)
- 2001 College Research Council Summer Grant "Acoustic Analysis of Speaker Voice and Emotional Tone," 5-1-01 to 8-31-01 (\$2,000)
- 2000-2002 PI, U. of Pittsburgh Central Research and Development Funds, Small Grants Program "Effects of Emotional Tone of Voice on Memory for Spoken Words," 7-1-00 to 6-30-02 (\$4,658)
- 1996-2001 PI (later, Co-PI), NIH (NIDA) Grant R01 DA10583 on "Automaticity of Processing and Nicotine Dependence" 9-1-96 to 7-31-01 (\$261,395 Total Costs)
- 1998-2000 Co-PI with Dr. Steven Stern, U. of Pittsburgh Central Research and Development Funds, Small Grants Program "Effects of Computer Synthesized Voice" (\$4,799)
- 1999-2000 Co-PI, "Natural sciences Undergraduate Research Initiative", U. of Pittsburgh Office of Research, (\$15,000; \$10,000)
- 1997 Co-PI with Dr. Steven Stern, UPJ Research Council Grant "Credibility and Persuasion of Human and Computer-Generated Speech" (\$1,195)
- 1995-1996 PI, Wayne State University Research Stimulation Grant "Smoking Status, Health and Cognition in Young Adults", 2-1-95 to 1-31-96 (\$10,314)
- 1993-1996 PI, NIH (NIDCD) Grant R01 DC01667 "Talker Normalization and Speech Perception" 4-1-93 to 3-31-96 (\$174,832 Total Costs)
- 1993 PI, Wayne State University Research Grant: "Long-term Memory for Human Voices" 6-1-93 to 8-31-93 (\$6,984)
- 1992 PI, Wayne State University Research Grant: "Language Understanding, Voice, and Memory" 6-1-92 to 8-31-92 (\$5,500)

PUBLICATIONS

Books Edited

Mullennix, J.W., & Stern, S.E. (Eds.). (2010). *Computer synthesized speech technologies: Tools for aiding impairment*. Hershey, PA: IGI Global Publishing.

Branche, J., Mullennix, J.W., & Cohn, E.R. (2007). *Diversity across the curriculum: A guide for faculty in higher education*. San Francisco, CA: Jossey-Bass.

Johnson, K.A., & Mullennix, J.W. (1997). *Talker variability in speech processing*. San Diego, CA: Academic Press.

Book Chapters

Mullennix, J.W. (2019). Attention, memory, and central executive factors in aesthetics. In M. Nadal and O. Vartanian (Eds.), *Oxford Handbook for Experimental Aesthetics* (pp. 1-22). Oxford, UK: Oxford University Press.

Mullennix, J.W., & Stern, S.E. (2010). Attitudes toward computer synthesized speech. In J.W. Mullennix and S.E. Stern (Eds.), *Computer synthesized speech technologies: Tools for aiding impairment* (pp. 205-218). Hershey, PA: IGI Global Publishing.

Stern, S.E., Mullennix, J.W., Davis-Fortier, A. & Steinhauser, L. (2010). Stereotypes of people with physical disabilities and speech impairments as detected by partially structured attitude measures. In J.W. Mullennix and S.E. Stern (Eds.), *Computer synthesized speech technologies: Tools for aiding impairment* (pp. 219-232). Hershey, PA: IGI Global Publishing.

Mullennix, J.W. (2009). Memory for emotional tone. In K. Izdebski (Ed.), *Emotions of the human voice: Volume III: Culture and perception* (pp. 35-47). San Diego, CA: Plural Publishing.

Mullennix, J.W., & Stern, S.E. (2008). Computer mediated speech technology; Perceptions of synthetic speech; and attitudes toward disabled users. In S. Kelsey & K. St. Amant (Eds.), *Handbook of research on computer mediated communication* (pp. 831-844). Hershey, PA: IGI Global Publishing.

Cohn, E.R., & Mullennix, J.W. (2007). Diversity as an integral component to college curricula. In Branche, J., Mullennix, J.W., & Cohn, E.R. (Eds.), *Diversity across the curriculum: a guide for faculty in higher education* (pp. 11-17). San Francisco, CA: Jossey-Bass.

Mullennix, J.W. (2007). Transformation of a course on history and systems in psychology. In Branche, J., Mullennix, J.W., & Cohn, E.R. (Eds.), *Diversity across the curriculum: a guide for faculty in higher education* (pp. 241-246). San Francisco, CA: Jossey-Bass.

Kessler, B., Treiman, R., & Mullennix, J. (2007). Feedback consistency effects in single-word reading. In E.L. Grigorenko & A.J. Naples (Eds.), *Single-word reading: Behavioral and biological perspectives* (pp. 159-174). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Mullennix, J.W. (2005). The perceptual processing of emotional tone of voice. In A.V. Clark (Ed.), *Psychology of moods* (pp. 123-139). Hauppauge, NY: Nova Science Publishers, Inc.

Johnson, K.A., & Mullennix, J.W. (1997). Complex representations used in speech processing: Overview. In K.A. Johnson and J.W. Mullennix (Eds.), *Talker variability and speech processing* (pp. 1-8). San Diego, CA: Academic Press.

Mullennix, J.W. (1997). On the nature of perceptual adjustments to voice. In K.A. Johnson and J.W. Mullennix (Eds.), *Talker variability and speech processing* (pp. 67-83). San Diego, CA: Academic Press.

Ralston, J.V., Pisoni, D.B., & Mullennix, J.W. (1995). Perception and comprehension of speech. In A. Syrdal, R. Bennett, and S. Greenspan (Eds.), *Applied speech technology* (pp. 233-285). Boca Raton, FL: CRC Press.

Mullennix, J.W., & Pisoni, D.B. (1989). Speech perception: Analysis of biologically significant signals. In R.J. Dooling & S.H. Hulse (Eds.), *The comparative psychology of audition: Perceiving complex sounds*. Hillsdale, NJ: Erlbaum.

Papers Published (peer-reviewed)

Mullennix, J.W., Hedzik, A., Wolfe, A., Amann, L., Breshears, B., & Ticjak, N. (submitted). Affective context and interpretation of facial expressions in portrait paintings. *Empirical Studies of the Arts*.

Mullennix, J.W., Kristo, G.M., & Robinet, J. (2020). Effects of preceding context on aesthetic preference. *Empirical Studies of the Arts*, 38(2), 149-171.

Mullennix, J.W., Barber, J., & Cory, T. (2019). An examination of the Kuleshov Effect using still photographs. *PLoS ONE* 14(10), e0224623. <https://doi.org/10.1371/journal.pone.0224623>.

Mullennix, J.W., Pilot, K.M., Steeves, T.A., & Burns, J.C. (2018). The effects of cognitive load on judgments of titled visual art. *Psychology of Aesthetics, Creativity, and the Arts*, 12(2), 166-176.

Majocha, K.L., & Mullennix, J.W. (2018). They're monstrous! Teaching flashed face distortion to improve speaking apprehension. *Contemporary Issues in Education Research*, 11(2), 41-44.

Mullennix, J.W., & Robinet, J. (2018). Art expertise and the processing of titled abstract art. *Perception*, 47(4), 359-378.

Mullennix, J.W., Varnecky, A., Chan, C., Mickey, Z., & Polaski-Hoffman, L. (2016). The effect of color on automaticity of aesthetic judgments. *Empirical Studies of the Arts*, 34, 8-34.

Majocha, K.L., & Mullennix, J. W. (2015). Shades of gray: An interdisciplinary approach to a constructive understanding of diversity in the communication classroom. *Qualitative Research Reports in Communication*, 16(1), 29-37.

Mullennix, J.W., Wagner, N., Hetrick, B., Malloy, N., Jerome, R., & Schminkey, M. (2015). Preference for visual art as a function of cognitive effort. *North American Journal of Psychology*, 17(3), 433-448.

Mullennix, J.W., Fallier, C.L., & Mansueto, K.M. (2013). Flexible cognitive control and preferences for artistic photographs. *Psychology Research*, 3(8), 425-438.

Mullennix, J.W., Foytik, L.R., Chan, C.H., Dragun, B.R., Maloney, M., & Polaski, L. (2013). Automaticity and the processing of artistic photographs. *Empirical Studies of the Arts*, 31(2), 145-171.

Mullennix, J.W., Ross, A. Smith, C., Kuykendall, K., Conard, J., & Barb, S. (2011). Typicality effects on memory for voice: Implications for earwitness testimony. *Applied Cognitive Psychology*, 25, 29-34.

Mullennix, J.W., Stern, S.E., Grounds, B., Kalas, R., Flaherty, M., Kowalok, S., May, E., & Tessmer, B. (2010). Earwitness memory: Distortions for voice pitch and speaking rate. *Applied Cognitive Psychology*, 24, 513-526.

Stern, S.E., Dumont, M., Mullennix, J.W., & Winters, M.L. (2007). Positive prejudice towards disabled persons using synthesized speech: Does the effect persist across contexts? *Language and Social Psychology*, 26, 363-380.

Stern, S.E., Mullennix, J.W., Corneille, O., & Huart, J. (2007). Distortions in the memory of the pitch of speech. *Experimental Psychology*, 54, 148-160.

- Stern, S.E., Mullennix, J.W., & Yaroslavsky, I. (2006). Persuasion and social perception of human vs. synthetic voice across person as source and computer as source. *International Journal of Human Computer Studies*, 64, 43-52.
- Stern, S.E., & Mullennix, J.W. (2004). Sex differences in persuadability for human and computer/synthesized speech: meta-analysis of seven studies. *Psychological Reports*, 94, 1283-1292.
- Mullennix, J.W., Kilbey, M.M., Fiscaro, S.A., Farnsworth, L.M., & Torrento, R. (2003). The representation of smoking expectancies by single-word adjectives. *Nicotine and Tobacco Research*, 5, 681-694.
- Mullennix, J.W., Stern, S.E., Wilson, S.J., & Dyson, C. (2003). Social perception of male and female computer synthesized speech. *Computers in Human Behavior*, 19, 407-424.
- Kessler, B., Treiman, R., & Mullennix, J. (2002). Phonetic biases in voice key response time measurements. *Journal of Memory and Language*, 47, 145-171.
- Mullennix, J.W., Bihon, T., Brickley, J., Gaston, J., & Keener, J.M. (2002). Effects of variation in emotion and talker on speech perception. *Language and Speech*, 45, 255-283.
- Stern, S.E., Mullennix, J.W., & Wilson, S.J. (2002). Effects of perceived disability on persuasiveness of computer synthesized speech. *Journal of Applied Psychology*, 87, 411-417.
- Mullennix, J.W., Farnsworth, L.M., Harshaw, T., Bittle, J., & Evanitz, M. (2000). Effects of speaker variability and phoneme location on speech perception. *Perceptual and Motor Skills*, 91, 299-310.
- Stern, S.E., Mullennix, J.W., Dyson, C., and Wilson, S. (1999). The persuasiveness of synthetic speech versus human speech. *Human Factors*, 41, 588-595.
- Mullennix, J.W., & Howe, J. N. (1999). Selective attention in perceptual adjustments to voice. *Perceptual and Motor Skills*, 89, 447-457.
- Mullennix, J.W., Johnson, K.A., Topcu-Durgun, M., & Farnsworth, L.M. (1995). The perceptual representation of voice gender. *Journal of the Acoustical Society of America*, 98, 3080-3095.
- Treiman, R., Mullennix, J.W., Bijeljac-Babic, R., & Richmond-Welty, D. (1995). The special role of rimes in the description, use, and acquisition of English orthography. *Journal of Experimental Psychology: General*, 124, 107-136.
- Jusczyk, P.W., Pisoni, D.B., & Mullennix, J.W. (1992). Some consequences of stimulus variability on speech processing by 2-month-old infants. *Cognition*, 43, 253-291.
- Mullennix, J.W., Sawusch, J.R., & Garrison, L. (1992). Automaticity and the detection of speech. *Memory and Cognition*, 20, 40-50.
- Ralston, J.V., Pisoni, D.B., Lively, S.E., Greene, B.G., & Mullennix, J.W. (1991). Comprehension of synthetic speech produced by rule: Word monitoring and sentence-by-sentence listening times. *Human Factors*, 33, 471-491.
- Connine, C.M., Mullennix, J.W., Shernoff, E., & Yelen, J. (1990). Word familiarity and frequency in visual and auditory word recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 16, 1084-1096.
- Mullennix, J.W., & Pisoni, D.B. (1990). Stimulus variability and processing dependencies in speech perception. *Perception and Psychophysics*, 47, 379-390.
- Martin, C.S. Mullennix, J.W., Pisoni, D.B., & Summers, Walter V. (1989). Effects of talker variability on recall of spoken word lists. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 15, 676-684.

Mullennix, J.W., Pisoni, D.B., & Martin, C.S. (1989). Some effects of talker variability on spoken word recognition. *Journal of the Acoustical Society of America*, 85, 365-378.

Tomiak, G.R., Mullennix, J.W., & Sawusch, J.R. (1987). Integral processing of phonemes: Evidence for a phonetic mode of perception. *Journal of the Acoustical Society of America*, 81, 755-764.

Sawusch, J.R., & Mullennix, J.W. (1985). When selective adaptation and contrast effects are distinct: a reply to Diehl, Kleunder, and Parker. *Journal of Experimental Psychology: Human Perception and Performance*, 11, 242-250.

Published Book Reviews

Mullennix, J.W. (2016). Review of "Art, Aesthetics, and the Brain." *Empirical Studies of the Arts*, 34, 234-237.

Mullennix, J.W. (1995). Review of "Thinking in Sound: The cognitive psychology of audition." *Contemporary Psychology*, 40, 30-31.

Papers/Abstracts Published (non-peer reviewed)

Mullennix, J.W. (2014). Automaticity, cognitive effort, and preference for visual art. In A. Kotzbelt (Ed.), *Twenty-third Biennial Congress of the International Association of Empirical Aesthetics* (pp. 539-544). New York, NY.

Kilbey, M.M., Mullennix, J.W., Fiscaro, S., Farnsworth, L., Topcu, M., & Torrento, R. (2000). Cognitive descriptors predict nicotine dependence. *Problems of Drug Dependence 1999*, L.S. Harris (ed), NIH Publication No. 00-4737, U.S. Government Printing Office, Washington, D.C., p. 198.

Kilbey, M.M., Fiscaro, S., Mullennix, J.W., & Torrento, R. (2000). Smoking, nicotine dependence, and quitting in young women: Implications for treatment. *Drug and Alcohol Dependence*, 60 (Suppl. 1), S111.

Alessi, S.M., Kilbey, M., & Mullennix, J. (1999). Smoking and cognition in young adults. *Problems of Drug Dependence 1998*, L.S. Harris (ed), *NIH Publication No. 99-4395*, U.S. Government Printing Office, Washington, D.C., p. 204.

Mullennix, J., Farnsworth, L., Torrento, R., Fiscaro, S., & Kilbey, M. (1999). Cognitive descriptors of smoking outcomes. *Problems of Drug Dependence 1998*, L.S. Harris (ed), *NIH Publication No. 99-4395*, U.S. Government Printing Office, Washington, D.C., p. 89.

Kilbey, M., Mullennix, J., Fiscaro, S., Torrento, R., & Farnsworth, L. (1998). Drug outcome expectance prediction of use, abuse, and dependence. *Pharmacology, Biochemistry and Behavior*, 61, 152.

Mullennix, J.W., & Gates, S.F.A. (1990). Postaccess effects of word frequency and word familiarity – further assessments. *Bulletin of the Psychonomic Society*, 28(6), 514.

Mullennix, J.W., & Pisoni, D.B. (1988). Detailing the nature of talker normalization in speech perception. *Research on Speech Perception Progress Report No. 14*. Bloomington, IN: Indiana University.

Mullennix, J.W., Pisoni, D.B., & Goldinger, S.D. (1988). Some effects of time-varying context on the perception of speech and nonspeech sounds. *Research on Speech Perception Progress Report No. 14*. Bloomington, IN: Indiana University.

Mullennix, J.W. (1985). Attentional limitations in the perception of speech: A preliminary report. *Speech Research Status Report No. 2*, SUNY at Buffalo, Buffalo, NY.

Sawusch, J.R., Opie, J., & Mullennix, J.W. (1985). Sex differences in dichotic listening: It's all in the voice. *Speech Research Status Report No. 2*, SUNY at Buffalo, Buffalo, NY.