

John G. Neuhoff

Department of Psychology
The College of Wooster

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Professional Experience

Professor	The College of Wooster	2014-
Associate Professor	The College of Wooster	2006-2014
Assistant Professor	The College of Wooster	2000-2006
Visiting Scholar	The Ohio State University	Fall 1999
Assistant Professor	Lafayette College	1996-2000
Instructor	Kent State University	1994-1996

Education

Ph.D.	Psychology	Kent State University	1996
M.A.	Psychology	Kent State University	1994
B.A.	Psychology	Baldwin-Wallace College	1991

Honors and Awards

Research Grant National Science Foundation (NSF)	2009-2012
NSF Review Panel Perception and Action	2009
Editorial Board <i>Perception & Psychophysics</i>	2006-2012
Research Grant CDC/National Institute for Occupational Safety & Health	2002-2004
Board of Directors, International Community for Auditory Display	2003-2011
Division Councillor, Council for Undergraduate Research	2003-2006
Travel Grant for Research in Japan, Great Lakes Colleges Association	2002
Research Grant National Science Foundation (NSF)	1999-2002
Instruction and Laboratory Improvement Grant (NSF)	1998-2000
Nominee, Student Government Teaching Award, Lafayette College	1999
NSF Panelist, International Conference on Auditory Display	1997
Summer Faculty Research Fellowship, Lafayette College	1997
Sigma Xi Grant in Aid of Research	1996
Excellence in Teaching Award, Kent State University	1995

Teaching Experience

Perception and Action	Research Methods
Music and Speech Perception	Physiological Psychology
Evolutionary Psychology	Cognitive Psychology
Introductory Psychology	Human Factors
Statistics and Experimental Design	The Neuroscience of Music and Sports

Research Interests

Speech and music perception
Change deafness
Auditory cognition
Auditory motion perception

Human factors and auditory display
Perceptual and cognitive neuroscience
Evolution and behavior

Publications

(PDF files available by clicking the highlighted links)

* indicates undergraduate co-author

- Neuhoff, J. G. & Heller, L. (in press). Applied Ecological Acoustics. In R. Hoffman, J. Szalma, P. Hancock, R. Parasuraman, & M. Scerbo (Eds.), **Cambridge University Handbook on Applied Perception Research**. Cambridge University Press.
- Neuhoff, J. G.,* Schott, S. A.,* Kropf, A. J.,* & Neuhoff, E. M.* (2014). [Familiarity, Expertise, and Change Detection: Change Deafness is Worse in Your Native Language.](#) **Perception**. 43(2-3) 219-222.
- Neuhoff, J. G. & Lidji, P. (2014). [Language Familiarity, Expectation, and Novice Musical Rhythm Production.](#) **Language and Speech**. doi: 10.1177/0023830914520837.
- Riskind, J. H. Kleiman, E. M., Seifritz, E., & Neuhoff, J. G. (2014). [Influence of anxiety, depression and looming cognitive style on auditory looming perception.](#) **Journal of Anxiety Disorders**. 28(1), 45-50.
- Neuhoff, J.G., Hamilton, G. R.,* Gittleson, A. L.,* Mejia, A.* (2013). [Babies in Traffic: Infant Vocalizations and Listener Sex Modulate Auditory Motion Perception.](#) **Journal of Experimental Psychology: Human Perception and Performance**, Nov 25 , Advanced online publication. doi: 10.1037/a0035071
- Shaffer, D. M., Dolgov, I., McManama, E., Swank, C., Maynor, A. B. * & Kelly, K. ,* & Neuhoff, J. G. (2013). [Blind\(fold\)ed by science: A constant target-heading angle is used in visual and nonvisual pursuit.](#) **Psychonomic Bulletin & Review**, DOI 10.3758/s13423-013-0412-5
- Neuhoff, J. G., Long, K. L., * & Worthington, R. C. * (2012). [Strength and Physical Fitness Predict the Perception of Looming Sounds.](#) **Evolution and Human Behavior**, 33(4) 318-322.
- Bach, D. R., Buxtorf, K., Strik, W. K., Neuhoff, J. G., & Seifritz, E. (2011). [Evidence for Impaired Sound Intensity Processing in Schizophrenia.](#) **Schizophrenia Bulletin**, 37(2), 426-431.
- Hermann, T., Neuhoff, J. G., Hunt, A. (Eds.). (2011) **The Sonification Handbook**. Berlin, Logos Verlag.
- Hermann, T., Neuhoff, J. G., Hunt, A. (2011) [Introduction](#) (Eds.). (2011) In Hermann, T., Neuhoff, J. G., Hunt, A. (Eds.) **The Sonification Handbook**. Berlin, Logos Verlag.
- Neuhoff, J. G. (2011). [Perception, Cognition, and Action in Auditory Displays.](#) In Hermann, T., Neuhoff, J. G., Hunt, A. (Eds.). **The Sonification Handbook**. Berlin, Logos Verlag.
- Neuhoff, J.G., Planisek, R., * & Seifritz E. (2009). [Adaptive sex differences in auditory motion perception: Looming sounds are special.](#) **Journal of Experimental Psychology: Human Perception and Performance**, 35(1) 225-234.

- Bach, D. R., Neuhoff, J. G., Perrig, W., Seifritz, E. (2008). [Looming sounds as warning signals: The function of motion cues](#). *International Journal of Psychophysiology*, 74(1) 28-33.
- Bach, D.R., Schächinger, H., Neuhoff, J.G., Esposito, F. Di Salle, sF., Lehmann, C., Herdener, M., Scheffler, K., Seifritz, E. (2008). [Rising sound intensity: an intrinsic warning cue activating the amygdala](#). *Cerebral Cortex*, 18(1), 145-50.
- Peres, S. C., Best, V., Brock, D., Shinn-Cunningham, B., Frauenberger, C., Hermann, T., Neuhoff, J., Nickerson, L., & Stockman, T. (2008). Auditory Displays. In P. Kortum (Ed.), *HCI Beyond the GUI: The Human Factors of Non-traditional Interfaces*: Morgan Kaufman. pp. 147-196.
- Seifritz, E., Di Salle, F., Esposito, F., Herdener, M., Neuhoff, J.G., Scheffler, K. (2006). [Enhancing BOLD response in the auditory system by neurophysiologically tuned fMRI sequence](#). *Neuroimage*, 93(5), 2864-72.
- Maier, J.X., Neuhoff, J.G., Logothetis N.K., Ghazanfar, A.A. (2004). [Multisensory integration of looming signals by rhesus monkeys](#). *Neuron*, 43, 177-181.
- Neuhoff, J.G. (2003). [Twist and shout: Audible facing angles and dynamic rotation](#). *Ecological Psychology*, 15, 335-351.
- Neuhoff, J.G., Ed. (2004). *Ecological Psychoacoustics*. New York: Academic Press.
- Neuhoff, J.G. (2004). [Ecological psychoacoustics: Introduction and history](#). In J.G. Neuhoff (Ed.) *Ecological Psychoacoustics*, 1-13. New York: Academic Press.
- Neuhoff, J.G. (2004). Auditory motion and localization. In J.G. Neuhoff (Ed.) *Ecological Psychoacoustics*, 87-111, New York: Academic Press.
- Neuhoff, J.G. (2004). Interacting perceptual dimensions. In J.G. Neuhoff (Ed.) *Ecological Psychoacoustics*, 249-269, New York: Academic Press.
- Rodstrom, M.A., * & Neuhoff, J.G. (2003). [Increased pitch increases accuracy of voice identification](#). *Perceptual and Motor Skills*, 97, 665-70.
- Mustovic, H. Scheffler, K., Di Salle, F., Esposito, F., Neuhoff, J.G., Hennig, J. & Seifritz, E. (2003). [Temporal integration of sequential auditory events: silent period in sound pattern activates human planum temporale](#). *Neuroimage*, 20, 429-434.
- Seifritz E., Di Salle, F., Esposito F., Bilecen D., Neuhoff J.G., Scheffler, K. (2003). [Sustained blood oxygenation and volume response to repetition rate-modulated sound in human auditory cortex](#). *Neuroimage*, 20, 1365-1370.
- Seifritz, E., Esposito, F., Neuhoff J.G., Lüthi A., Mustovic, H., Dammann, G., von Bardeleben U., Radue E.W., Cirillo, S., Tedeschi, G., Di Salle, F. (2003). [Differential sex-independent amygdala response to infant crying and laughing in parents versus non-parents](#). *Biological Psychiatry*, 54, 1367 - 1375.
- Seifritz, E., Esposito, F. Neuhoff, J.G., Di Salle, F. (2003). [Sound analysis in auditory cortex – from temporal decomposition to perception](#). *Trends in Neurosciences*, 26, 231-232.
- Neuhoff, J.G. (2003) [Pitch variation is unnecessary \(and sometimes insufficient\) for the formation of auditory objects](#). *Cognition*, 87, 221-226.

- Seifritz, E., Neuhoff, J.G., Bilecen, D., Scheffler, D., Mustovic, H., Schächinger, H., Elefante, R., & Di Salle, F. (2002) [Neural processing auditory 'looming' in the human brain.](#) *Current Biology*, 12, 2147-2151.
- Ghazanfar, A.A., Neuhoff, J.G. & Logothetis N.K. (2002). [Auditory looming perception in rhesus monkeys.](#) *Proceedings of the National Academy of Sciences*, USA, Nov. 26, 99, 15755-15757.
- Seifritz, E., Esposito, F., Hennel, F., Mustovic, H., Neuhoff, J.G., Bilecen, D., Tedeschi, G., Scheffler, K., & Di Salle, F. (2002). [Spatiotemporal pattern of neural processing in the human auditory cortex.](#) *Science*, Sep.6, 297 1706-1708
- Neuhoff, J.G., Kramer, G., & Wayand, J. (2002). [Pitch and loudness interact in auditory displays: Can the data get lost in the map?](#) *Journal of Experimental Psychology: Applied*, 8, 17-25.
- McBeath, M.K., & Neuhoff, J.G. (2002). [The Doppler effect is not what you think it is: Dramatic pitch change due to dynamic intensity change.](#) *Psychonomic Bulletin & Review*, 9, 306-313.
- Neuhoff, J.G., Rodstrom, M.A. * & Vaidya, T. * (2001). [The audible facing angle.](#) *Acoustic Research Letters Online*, 2, 109-114.
- Neuhoff, J.G. (2001) [An adaptive bias in the perception of looming auditory motion.](#) *Ecological Psychology*, 13, 87-110.
- Neuhoff, J.G. (2000). [Classroom demonstrations in perception and cognition using presentation software.](#) *Teaching of Psychology*, 27, 142-144.
- Neuhoff, J.G., McBeath, M.K., & Wanzie, W.C. * (1999). [Dynamic frequency change influences loudness perception: A central, analytic process.](#) *Journal of Experimental Psychology: Human Perception and Performance*, 25, 1050-1059.
- Neuhoff, J.G. (1999). [Perception of changes in loudness: Reply to Canévet et al.](#) *Nature*, 398 (6729), 673-674.
- Neuhoff, J.G. (1998). [A perceptual bias for rising tones.](#) *Nature*, 395 (6698), 123-124.
- Neuhoff, J.G., & McBeath, M.K. (1997). [Overcoming naïve mental models in explaining the Doppler shift: An illusion creates confusion.](#) *American Journal of Physics*, 65, 618-621.
- Neuhoff, J.G., & McBeath, M.K. (1996). [The Doppler illusion: The influence of dynamic intensity change on perceived pitch.](#) *Journal of Experimental Psychology: Human Perception and Performance*, 22, 970-985.

Technical Reports, & Refereed Proceedings

- Neuhoff, J. G. & Heller, L. M. (2005). One small step: Sound sources and events as the basis for auditory graphs. *Proceedings of the 11th International Conference on Auditory Display*, Limerick, Ireland.
- Neuhoff, J.G., Heckel, T. * (2004). Sex differences in perceiving auditory 'looming' produced by acoustic intensity change. *Proceedings of the 10th International Conference on Auditory Display*, Sydney, Australia.
- Neuhoff, J.G., Knight, R. * & Wayand, J. (2002). Musicians, non-musicians, and the perception of pitch change: Which way is up? *Proceedings of the 8th*

International Conference on Auditory Display, Kyoto, Japan.

- Neuhoff, J.G. (2001). Ecological psychoacoustics: Loudness change, distance relations, and evolution. ***Proceedings of the 17th International Congress on Acoustics***. Rome, Italy.
- Neuhoff, J.G. (2001). Perceiving acoustic orientation in three-dimensional space. ***Proceedings of the 7th International Conference on Auditory Display***, Helsinki, Finland, 111-116.
- Neuhoff, J.G. (2001) Perceiving acoustic source orientation with dynamic rotation cues. In G. Burton and R. Schmidt (Eds.) ***Studies in Perception and Action VI: Eleventh International Conference on Perception and Action***. Earlbaum: Mahwah, NJ.
- Neuhoff, J.G., Kramer, G., & Wayand, J. (2000). Sonification and the interaction of perceptual dimensions: Can the data get lost in the map? ***Proceedings of the International Conference on Auditory Display***, Atlanta, GA. 93-98.
- Kramer, G., Walker, B., Bonebright, T., Cook, P., Flowers, J., Miner, N., Neuhoff, J.G. et al. (1999). Sonification report: Status of the field and research agenda. ***Technical Report prepared for the National Science Foundation*** (ISBN 0-9670904-0-7).
- Neuhoff, J.G. (1998). Dynamic intensity change influences perceived pitch: Attentional differences between musicians and non-musicians. ***Proceedings of the 16th International Congress on Acoustics and 135th meeting of the Acoustical Society of America***, 2359-2360.
- Neuhoff, J.G. & Wess, J.S. * (1998). Preferential detection of rising versus falling intensity. ***Proceedings of the 16th International Congress on Acoustics and 135th meeting of the Acoustical Society of America***, 887-888.

External Grants

- Neuhoff, J.G. A Common Cognitive Foundation for Rhythm in Music and Speech, *National Science Foundation*, 2009-2013, **\$38,371**
- Crawford, I. Edmiston, P., Fraga, D., Garg, S., Gray, S., Jacobs, D., & Neuhoff, J.G. The College of Wooster: Building Bridges in Science Education. *Howard Hughes Medical Institute*, 2008-2012, **\$1,000,000**
- Neuhoff, J.G. Auditory Motion and Pedestrian-Motor Vehicle Collisions. Research Grant, *Centers for Disease Control- National Institute for Occupational Safety and Health*, 2002-2004, **\$103,424**.
- Neuhoff, J.G. Dynamic Interaction of Pitch and Loudness. Research Grant, *National Science Foundation*, 1999-2002, **\$70,023**.
- Neuhoff, J.G., Travel grant for collaborative research in Kyoto, Japan. *Great Lakes Colleges Association*, Japan Study Program 2002, **\$2,000**.
- Hill, W.L., McGlone, M.S., & Neuhoff, J.G. Integrating Neuroscience in Psychology Laboratory Courses. Instruction and Laboratory Improvement Grant, *National Science Foundation*, 1998-2000, **\$44,124**.

Invited Addresses

Auditory Perception, Cognition, and Action Meeting, Toronto, Ontario, 2013
International Congress on Acoustics, Sydney Australia, August, 2010
Canadian Acoustical Society, Plenary Address, October, 2009
Department of Psychology, University of Connecticut, March, 2009
Acoustics '08, Paris, July, 2008
International Congress on Acoustics, Madrid, September, 2007
Department of Psychology, Cleveland State University, February 2006
Department of Psychology, Bowling Green State University, October 2005
Department of Psychology, Kent State University, April 2005
Department of Communication Sciences, University of South Carolina, March 2005
Department of Psychology, University of Birmingham (UK), February 2005
Department of Psychology, Brown University, February, 2005
Department of Psychology, DePauw University, April 2004
Annual Meeting of The Acoustical Society of America, Nashville, May, 2003
Office of Naval Research Cognition Symposium, George Mason University, May, 2002
International Congress on Acoustics, Rome, Italy, September 2001
Department of Psychology, The University of Virginia, March, 1998
Department of Speech and Hearing Science, The Ohio State University, July, 1998
Department of Otorhinolaryngology University of Pennsylvania, December, 1998

Conference Presentations

** indicates undergraduate co-author*

Neuhoff, J.G., Schott, S. A.,* & Kropf, A. J.* Change Deafness: Listeners Perform Better in Unfamiliar Languages. *Annual Meeting of the Psychonomic Society*, Toronto, ON, Canada, November 2013.

Hall, M. D., Neuhoff, J. G., & Pfordresher, P. Panel Discussion: Recent Trends in (the Pursuit and Publication of) General Auditory Perception Research. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Toronto, ON, Canada, November 2013.

Neuhoff, J.G., Baker-Coleman, A.,* Bertacchi, B.,* Benton, C.,* Berkow, A.,* Brown, C.,* Joseph, G.,* N'Diaye, M.,* & Wayand, J. Slow Change Deafness. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Toronto, ON, Canada, November 2013.

Maguire, C. * & Neuhoff, J. G. Can Auditory Perception Influence Your Chance of Injury? An Examination of the Relationship Between Auditory Perception and Injury Risk. *Annual Meeting of the Midwestern Psychological Association*, Chicago, IL, May 2013.

Neuhoff, J. G., Hamilton, G,* Gittleson, A,* Mejia, A. * Babies In Traffic: Infant Vocalizations Modulate Responses To Looming Sounds. *Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, CA, April, 2013.

Goldberg, H. L., * Thompson, C. R., & Neuhoff, J. G. The Effects of Language of Origin on Rhythm in Improvisational Jazz Solos. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Minneapolis, MN, November 2012.

- Neuhoff, J. G., Mitchell, S.,* Schiller, K.,* Familiarity Breeds Regularity in Rhythmic Speech Perception. *Annual Meeting of the Midwestern Psychological Association*, Chicago, IL, May 2012.
- Neuhoff, J. G., Hamilton, G,* Gittleson, A,* Mejia, A. * Babies in Traffic: Infant Vocalizations Enhance Anticipatory Responses to Looming Sounds. Annual Meeting of the Midwestern Psychological Association, Chicago, IL, May 2012.
- Neuhoff, J. G., Wayand, J. Rhythmic Production of Simple Tunes in Musical Novices and Experts. Annual Meeting of the Midwestern Psychological Association, Chicago, IL, May 2012.
- Riney, M.,* Neuhoff, J. G. Female Sex Hormones and their Influence on Athletic Performance and Perception of Auditory Looming Sounds. Annual Meeting of the Midwestern Psychological Association, Chicago, IL, May 2012.
- Saad, A,* Neuhoff, J. G. The Effects of Priming on Micro-Expression Recognition. Annual Meeting of the Midwestern Psychological Association, Chicago, IL, May 2012.
- Neuhoff, J. G., Mitchell, S. *, Schiller, K. *, Kickel, F., & Johnson, K. * Rhythm and Language: Perception of Familiar versus Unfamiliar Speech. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Seattle, WA, November 2011.
- Neuhoff, J. G., Lidji, P. Rhythmic Speech Perception Shows How Music Novices ‘Compose’ (in English and French). *Meeting of the Acoustical Society of America*, Seattle, WA, June 2011.
- Neuhoff, J. G., Bartman, C. * & Pool, B. * Musical Expertise and Rhythmic Variability in "Two Note Tunes". *Auditory Perception, Cognition and Action Meeting (APCAM)*, St. Louis, MO, November 2010
- Neuhoff, J. The Relationships Between Music, Speech and Other Environmental Sounds. *International Congress on Acoustics*. Sydney, Australia, August, 2010.
- Neuhoff, J. G., Long, K. *, Worthington, R. *, Strength and Fitness Predict the Perception of Looming Sounds. *Meeting of the Acoustical Society of America*, Portland, OR, May 2009.
- Weigand, P.* & Neuhoff, J. G. Rhythm production and the relationship between free response speech, rehearsed speech, and music composition in American English speaking musical novices. *Annual Meeting of the Midwestern Psychological Association*, Chicago, IL, May 2008.
- Long, K. *, Worthington, R. *, Clark, J. *, Neuhoff, J. G. Survival of the fittest: Physical fitness predicts auditory looming perception. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Chicago, IL, November 2008.
- Neuhoff, J. G. Rhythmic speech perception shows how music novices ‘compose’. *Annual Meeting of the Psychonomic Society*, Chicago, IL, November 2008
- Neuhoff, J. G. Behavioral relevance: a guiding principle in investigating the perception of sound source properties. *Acoustics '08*, Paris, France July 2008.
- Wedd, A. * & Neuhoff, J. G. The influence of musical familiarity on cognition. *Annual Meeting of the Midwestern Psychological Association*, Chicago, IL, May 2008
- Neuhoff, J. G. Perceiving looming sounds: the importance of auditory motion as a sound source property. *International Conference on Acoustics*. Madrid, Spain. October,

2007

- Neuhoff, J. G. & Stavnezer, A.J. Estrogen levels and auditory time-to-arrival estimates. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Long Beach, CA, November, 2007.
- Ropers, E. * & Neuhoff, J. G. Uninterrupted: A time to arrival study. *Annual Meeting of the Midwestern Psychological Association*, Chicago, IL, May 2007.
- Ford, T., Gray, S., Kettling-Law, E., Macauley, W., Neuhoff, J.G., Wood, T. Developing departmental assessment plans. *Higher Learning Commission Assessment Workshop*, February, 2006, Lisle, IL
- Neuhoff, J.G., Bach, D. R. & Seifritz, E. Physiological effects of rising sound intensity. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Houston, TX, November, 2006.
- Neuhoff, J.G., Knight, R. * & Wayand, J. Musical expertise and auditory displays: Dollars make 'sense' of pitch change. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Toronto ON, November, 2005.
- Neuhoff, J. G. & Heller, L. M. One small step: Sound sources and events as the basis for auditory graphs. *International Conference on Auditory Display*, Limerick, Ireland, July 2005
- Neuhoff, J.G., & Seifritz, E. Sex differences in auditory looming perception, absent in auditory recession. *Meeting of the Acoustical Society of America*, Vancouver, BC, May, 2005
- Neuhoff, J.G., The bias for auditory looming is diminished with increasing velocity. *Annual Meeting of the Psychonomic Society*, Minneapolis, MN November, 2004.
- Neuhoff, J.G., Maier, J.X., Logothetis N.K., Ghazanfar, A.A. Multisensory integration of looming signals by rhesus monkeys. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Minneapolis, MN November, 2004.
- Neuhoff, J.G. & Heckel, T. * Sex differences in perceiving auditory looming produced by acoustic intensity change. *International Conference on Auditory Display*, Sydney, Australia, July, 2004.
- Neuhoff, J.G., Tones, noise, and the perceptual bias for auditory looming. *Annual Meeting of the Psychonomic Society*, Vancouver, BC, November, 2003.
- Neuhoff, J.G., & Waal, M. *, Developmental errors in labeling pitch change: Which way is up? *Auditory Perception, Cognition and Action Meeting (APCAM)*, Vancouver, BC, November, 2003.
- Neuhoff, J.G. & Preston, J. * A spatial auditory display for the prevention of pedestrian-motor vehicle collisions. *International Conference on Auditory Display*, Boston, MA, July, 2003.
- Neuhoff, J.G. Sex, acceleration, brain imaging, and rhesus monkeys: Converging evidence for an evolutionary bias for looming auditory motion. *Meeting of the Acoustical Society of America*, Nashville, TN, May, 2003.
- Neuhoff, J.G., Ghazanfar, A. A., & Logothetis N. K. Auditory looming perception in rhesus monkeys. *Auditory Perception, Cognition and Action Meeting (APCAM)*, Kansas City, November, 2002.

- Neuhoff, J.G., Di Salle, F., & Seifritz, E. Sex, brains, and acceleration: Converging evidence for an evolutionary bias for auditory approach. *Annual Meeting of the Psychonomic Society*, Kansas City, November, 2002.
- Neuhoff, J.G., Knight, R. * & Wayand, J. Pitch change, sonification, and musical expertise: Which way is up? *International Conference on Auditory Display*, Kyoto, Japan, June, 2002
- Neuhoff, J.G., Bilecen, D., Mustovic, H., Scheffler, K., Di Salle, F., Schächinger, H. Seifritz, E. Cortical network underpinning the perceptual priority for rising intensity and auditory 'looming'. *Meeting of the Acoustical Society of America*, Pittsburgh, PA June, 2002.
- Knight, R. *, & Neuhoff, J.G., Musical training and the perceptual magnitude of musical intervals *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 2002.
- Neuhoff, J.G., Fukai, K. *, Preston, J. *, & Willaman, K. * Perceptual bias for accelerated intensity change: An evolved mechanism? *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 2002.
- Neuhoff, J.G. Are you talking' to me?? Perceiving the facing direction of acoustic sources in reverberant and anechoic environments. *Annual Meeting of the Psychonomic Society*, Orlando, November, 2001.
- Neuhoff, J.G. Ecological psychoacoustics: Loudness change, distance relations, and evolution. *17th International Congress on Acoustics*. Rome, Italy, September, 2001.
- Neuhoff, J.G. Perceiving acoustic orientation in three-dimensional space. *International Conference on Auditory Display*, Helsinki, Finland, July 2001.
- Neuhoff, J.G. Perceiving acoustic source orientation with dynamic rotation cues. *Eleventh International Conference on Perception and Action*. Storrs, CT, June 2001.
- Neuhoff, J.G., Rodstrom, M.A. *, Vaidya, T. * The audible facing angle. *Meeting of the Acoustical Society of America*, Chicago, IL, May 2001.
- Neuhoff, J.G., Berger, C. *, Bruton, E. *, Gallagher, C., & Preston, J. *, A perceptual bias for looming auditory motion. *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 2001.
- Neuhoff, J.G. A perceptual bias for oncoming auditory motion. *Annual Meeting of the Psychonomic Society*, New Orleans, November, 2000.
- Neuhoff, J.G. The dynamic interaction of pitch and loudness: Quantifying the effect. *Annual Convention of the American Psychological Society*. Miami, FL June 2000.
- Neuhoff, J.G., Kramer, G., & Wayand, J. Sonification and the interaction of perceptual dimensions: Can the data get lost in the map? *International Conference on Auditory Display*, Atlanta, GA, April 2000.
- Neuhoff, J.G. Dual mechanisms in dynamic loudness detection. *Annual Meeting of the Psychonomic Society*, Los Angeles, November, 1999.
- Neuhoff, J.G. A privileged perceptual status for rising intensity tones. *Meeting of the Acoustical Society of America*, Berlin, Germany, March, 1999.
- Neuhoff, J.G. A perceptual propensity for rising tone intensity. *Annual Meeting of the Psychonomic Society*, Dallas, TX, November, 1998.

- Neuhoff, J.G. Dynamic intensity change influences perceived pitch: Attentional differences between musicians and non-musicians. *Meeting of the Acoustical Society of America*, Seattle, WA June, 1998.
- Neuhoff, J.G. & Wess, J. * Preferential detection of rising versus falling intensity. *Meeting of the Acoustical Society of America*, Seattle, WA June, 1998.
- Neuhoff, J.G. Panelist, National Science Foundation Forum on Data Sonification. *International Conference on Auditory Display*, Palo Alto CA, November, 1997.
- Neuhoff, J.G. The contextual influence of frequency change on dynamic loudness perception. *Annual Meeting of the Psychonomic Society*, Philadelphia, PA, November, 1997.
- Neuhoff, J.G. & McBeath, M.K. The Interaction of pitch and loudness in dynamic stimuli: Beyond the Doppler illusion. *Meeting of the Acoustical Society of America*, State College, PA, June, 1997.
- McBeath, M.K. & Neuhoff, J.G. Auditory pitch influenced dramatically by dynamic intensity change. *Meeting of the Acoustical Society of America*, State College, PA, June, 1997.
- Neuhoff, J.G. Multi-sensory interaction in navigation and spatial representation. *Kent Psychological Forum*, Millersburg, OH. April, 1997.
- Neuhoff, J.G. Enhanced memory effects provide evidence for a spatial representation of musical pitch. *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 1996.
- Neuhoff, J.G. & McBeath, M.K. Musicians versus non-musicians in the perception of dynamic auditory stimuli. *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 1995.
- McBeath, M.K. & Neuhoff, J.G. Immense illusory pitch change occurs with dynamic Doppler stimuli. *Annual Meeting of the Psychonomic Society*, St. Louis, MO. Nov. 1994.
- Neuhoff, J.G. & McBeath, M.K. Rising pitch with falling frequency: A new auditory illusion associated with the Doppler effect. *Annual Convention of the Midwestern Psychological Association*. Chicago, IL, May 1994.
- McBeath, M.K., Neuhoff, J.G., & Schiano, D.J. Familiar suspended objects appear smaller than actual independent of viewing distance. *Annual Convention of the American Psychological Society*. Chicago, IL, June 1993.

Committee and Service Work

College of Wooster

- Chair, Department of Psychology
- Chair, Research and Study Leaves Committee
- Chair, Assessment Committee
- Chair, Copeland Fund Student Research Committee
- Committee on Academic Standards
- Institutional Animal Care and Use Committee
- Human Subjects Review Committee
- Science Media Advisory Board

Neuroscience Development Committee
Faculty Advisor to Hessen Residence House
President's Taskforce on Faculty Workload

Lafayette College

Student Appeals Committee
Instructional Technology Committee
Video-Conferencing Advisory Committee
Coordinator Student-Faculty Research Forum
Faculty Resident, First Year House
Faculty Advisor to Psychology Club

Review & Professional Activities

Reviewer for:

Acta Acoustica
American Journal of Psychology
Applied Cognition
Applied Cognitive Psychology
Attention, Perception & Psychophysics
Behavioral Neuroscience
Cognition
Current Biology
Ecological Psychology
Emotion
Evolution & Human Behavior
Experimental Brain Research
The Journal of Experimental Psychology: Applied
The Journal of Experimental Psychology: Human Perception & Performance
The Journal of the Acoustical Society of America
Perception
PLOS One
Psychological Research
Psychological Science
Quarterly Journal of Experimental Psychology
Transactions on Applied Perception

National Science Foundation
Oxford University Press
Lawrence Erlbaum Associates
Air Force Office of Scientific Research
Proceedings of the International Conference on Auditory Display

Founding Chairperson, *Auditory Perception, Cognition, and Action Meeting* (APCAM)
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Media Appearances

Wall Street Journal *Ideas Market*, March, 2012
Discover Magazine, Fox News Online, Science Daily, April, 2009
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