

## **PETER W. LENZ, PH.D.**

Department of Psychology  
University of Wisconsin – Milwaukee  
P.O. Box 413, Garland Hall 224  
Milwaukee, WI 53201  
414 / 229 – 6072

(Home) 118 S. Wilson St.  
Fredonia, WI 53021  
414 / 435 – 0516  
plenz@uwm.edu  
peter.lenz@gmail.com

### **EDUCATION:**

- Ph.D. – Psychology (August 2005)  
Major: Cognitive & Perceptual Psychology  
Minors: Quantitative Psychology, Physiological Psychology, Linguistics  
University of Wisconsin – Milwaukee, Milwaukee, WI.  
Title of dissertation: *Suppression of dichotic verbal transformations: An analysis of speech-specific influences on transition rate.*
- M.S. – Psychology (August 1998)  
University of Wisconsin – Milwaukee, Milwaukee, WI.  
Title of thesis: *Verbal transformations with one or two signals: An investigation employing novel response procedures.*
- BS - Psychology (May 1995) Summa Cum Laude  
Minors: Human Biology, Computer Information Studies  
Salem State College, Salem, MA.

### **TEACHING INTERESTS:**

Cognitive Processes, Sensation & Perception, Psychological Statistics,  
Research Methods, Physiological Psychology, Lifespan Psychology.

### **TEACHING EXPERIENCE:**

1/04 – present: Lecturer – University of Wisconsin – Milwaukee, Milwaukee, WI

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— Perception (one semester)

This course covers the physiological and psychological aspects of perception with a focus on vision and hearing but coverage of all of the senses. This course typically has an enrollment of approximately 40 undergraduates with junior standing or better as well as approximately 5 graduate students.

— History of Psychology (one semester)

This course provides students with a historical perspective of the field of Psychology, focusing on the philosophical and scientific advances that have brought Psychology to its current state. A concerted effort is made to address issues of diversity, and the historical lack thereof, in the history of Psychology. Graduate students are each required to research a specific topic in the field and to do an in-class presentation on that topic. This course typically has an enrollment of approximately 75 undergraduates with junior standing or better as well as approximately 15 graduate students.

— Introductory Psychology (six semesters)

This course serves as a basic introduction to the field of Psychology. The discussion portions of the course serve to focus on areas of especial interest in the field while the lecture portions provide an overview of other areas. This course usually has an enrollment of approximately 300 undergraduate students and two teaching assistants aid the instructor.

— Mentor, Undergraduate Research Opportunities Program (one academic year)

This program offers freshman and sophomores the opportunity to get involved early with research labs at the UW-Milwaukee campus. While participants fulfill many of the requirements of the lower division undergraduate research course (see below) program places additional emphasis on ethical considerations in research, research validity, and the development of writing skills necessary for the publication of research findings. Approximately 10 students enroll in this course every year, which requires a minimum of one academic year of participation.

— Undergraduate Research – Lower & Upper Division (eight academic years)

These courses offer undergraduate students the opportunity to work as undergraduate research assistants in the laboratories operated by faculty members of the psychology department. Students gain first-hand experience in the design, execution, and evaluation of original psychological research projects. Approximately 10 students a semester enroll in this course with the Warren Lab, which requires a minimum of two semesters of participation.

1/05 – present: Lecturer – Mt. Mary College, Milwaukee, WI.

— Introductory Psychology (five semesters)

This course serves as a basic introduction to the field of Psychology. Each week involves discussion of a particular area of the field. This course usually has an enrollment of approximately 15 undergraduate students.

— Accelerated Introductory Psychology (one semester)

This course serves as an accelerated introduction to the field of Psychology, covering all of the material of a full semester course in only half a semester. Each week involves discussion of particular areas of the field. This course usually has an enrollment of approximately 6 undergraduate students.

— Developmental Psychology (five semesters)

This course covers the course of psychological development of the human being from conception to death. Each week involves discussion of a particular period of development. Students are required to complete several projects in which they research and speculate about the developmental impact of globally significant events upon people directly and indirectly affected by the event. This course usually has an enrollment of approximately 15 undergraduate students.

1/02 – 12/03: Associate lecturer – University of Wisconsin – Milwaukee, Milwaukee, WI

— Introductory Psychology (four consecutive semesters)

This course serves as a basic introduction to the field of Psychology. The discussion portions of the course serve to focus on areas of especial interest in the field while the lecture portions provide an overview of other areas. This course usually has an enrollment of approximately 300 undergraduate students and two teaching assistants aid the instructor.

8/95 – 6/98: Teaching assistant – University of Wisconsin – Milwaukee, Milwaukee, WI

— Introductory Psychology (two semesters)

— Psychological Statistics (three consecutive semesters)

Responsible for leading discussion and laboratory classes consisting of 20 - 30 students each, administering and grading examinations, and maintaining grade records.

**RESEARCH EXPERIENCE:**

8/05 – present: Post-graduate Research Associate in the Warren Perception Laboratory, University of Wisconsin – Milwaukee Psychology Department, Milwaukee, WI

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Responsible for designing and implementing experiments in auditory perception, preparing and evaluating stimuli, training and supervising undergraduate research assistants and lab employees, administering experiments to undergraduate volunteers, data analysis, and manuscript preparation. Also responsible for selecting and maintaining lab equipment as well as the maintenance of administrative records required by the laboratory's granting agency: the National Institutes of Health.

5/03 – 8/05: Graduate Research Associate in the Warren Perception Laboratory, University of Wisconsin – Milwaukee Psychology Department, Milwaukee, WI

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Responsible for designing and implementing experiments in auditory perception, preparing and evaluating stimuli, training and supervising undergraduate research assistants and lab employees, administering experiments to undergraduate volunteers, data analysis, and manuscript preparation. Also responsible for selecting and maintaining lab equipment as well as the maintenance of administrative records required by the laboratory's granting agency: the National Institutes of Health.

8/98 – 5/03: Graduate Research Assistant in the Warren Perception Laboratory, University of Wisconsin – Milwaukee Psychology Department, Milwaukee, WI

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Responsible for designing and implementing experiments in auditory perception, preparing and evaluating stimuli, training and supervising undergraduate research assistants and lab employees, administering experiments to undergraduate volunteers, data analysis and manuscript preparation.

8/95 – 8/98: Graduate Project Assistant in the Warren Perception Laboratory, University of Wisconsin – Milwaukee Psychology Department, Milwaukee, WI

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Responsible for preparing auditory stimuli for research projects, administering experiments to undergraduate volunteers, data analysis, and assisting in manuscript preparation.

**PUBLICATIONS:**

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2006). Polling the effective neighborhoods of spoken words with the verbal transformation effect. *Journal of the Acoustical Society of America*, *119*, EL55 - EL 59.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2005). Intelligibilities of 1-octave rectangular bands spanning the speech spectrum when heard separately and paired. *Journal of the Acoustical Society of America*, *118*, 3261 - 3266.

Bashford, J. A., Jr., Warren, R. M. & Lenz, P. W. (2005). Enhancing intelligibility of narrowband speech with out-of-band noise: Evidence for lateral suppression at high-normal intensity. *Journal of the Acoustical Society of America*, *117*, 365 - 369.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2004). Intelligibility of bandpass filtered speech: Steepness of slopes required to eliminate transition band contributions. *Journal of the Acoustical Society of America*, *115*, 1292 - 1295.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2003). Intelligibility of dual rectangular speech bands: Implications of observations concerning amplitude mismatch and asynchrony. *Journal of Speech Communication, 40*, 551-558.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2000). Relative contributions of passband and filter skirts to intelligibility of bandpass speech: Some effects of context and amplitude. *Acoustics Research Letters Online, 1*, 31 - 36.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2000). Intelligibility of bandpass speech: Effects of truncation or removal of transition bands. *Journal of the Acoustical Society of America, 108*, 1264 - 1268.

#### **MANUSCRIPTS IN PREPARATION:**

Lenz, P. W. Verbal transformations and the cued-response paradigm: Freedom from task demands reveals a multiplicity of levels of processing.

Lenz, P. W., Warren, R. M., & Bashford, J. A., Jr. Dichotic verbal transformations and models of speech processing: Support for the Neighborhood Activation Model.

#### **PRESENTATIONS:**

Lenz, P. W., Warren, R. M., & Bashford, J. A., Jr. (2006, November). Cross-ear suppression of the verbal transformation effect: Tweaking an acoustic-phonetic level. Paper presented at the 4th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, HI. Abstract published in *Journal of the Acoustical Society of America, 120*, 3253.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2006, November). Diphones, lexical access, and the verbal transformation effect. Paper presented at the 4th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, HI. Abstract published in *Journal of the Acoustical Society of America, 120*, 3251.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2005, October). A novel procedure for examining pre-lexical phonetic-level analysis. Paper presented at the 150th Meeting of the Acoustical Society of America, Minneapolis, MN. Abstract published in *Journal of the Acoustical Society of America, 118*, 2037.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2004, May). Lateral suppression preserves speech intelligibility at high intensities. Paper presented at the 147th Meeting of the Acoustical Society of America, New York, NY. Abstract published in *Journal of the Acoustical Society of America, 115*, 2601.

Lenz, P. W., Warren, R. M., & Bashford, J. A., Jr. (2004, May). Verbal transformation effect and the neighborhood activation model: Exploring the boundaries of the neighborhood. Paper presented at the 147th Meeting of the Acoustical Society of America, New York, NY. Abstract published in *Journal of the Acoustical Society of America, 115*, 2394.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2004, May). Direct measurement of single and multiple passband intelligibilities: Comparison with estimates based upon the Speech Intelligibility Index. Paper presented at the 147th Meeting of the Acoustical Society of America, New York, NY. Abstract published in *Journal of the Acoustical Society of America, 115*, 2395.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2001, December). Phonemes at the cocktail party: Insights on the processing of competing speech signals. Paper presented at the 142nd Meeting of the Acoustical Society of America, Ft. Lauderdale, FL. Abstract published in *Journal of the Acoustical Society of America*, 110, 2658 - 9.

Lenz, P. W., Bashford, J. A., Jr., & Warren, R. M. (2001, December). Intelligibility of narrowband speech is enhanced by unmodulated flanking noise: Restoring intelligibility by masking of silence. Paper presented at the 142nd Meeting of the Acoustical Society of America, Ft. Lauderdale, FL. Abstract published in *Journal of the Acoustical Society of America*, 110, 2658.

Warren, R. M., Bashford, J. A., Jr., & Lenz, P. W. (2001, December). Dual band speech intelligibility: Implications of some novel observations regarding amplitude mismatch and asynchrony. Paper presented at the 142nd Meeting of the Acoustical Society of America, Ft. Lauderdale, FL. Abstract published in *Journal of the Acoustical Society of America*, 110, 2658.

Bashford, J. A., Jr., Warren, R. M., & Lenz, P. W. (2000, June). Relative contributions of passband and filter skirts to intelligibility of bandpass speech: Some effects of amplitude and context. Paper presented at the 139th Meeting of the Acoustical Society of America, Atlanta, GA. Abstract published in *Journal of the Acoustical Society of America*, 107, 2908.

Lenz, P. W., Warren, R. M., & Bashford, J. A., Jr. (2000, June). Lexical access in a divided attention task: Evidence from a new verbal transformation methodology. Paper presented at the 139th Meeting of the Acoustical Society of America, Atlanta, GA. Abstract published in *Journal of the Acoustical Society of America*, 107, 2857.

Lenz, P. W. & Lyons, T. (1995, April). Helping behavior in academic and professional settings as influenced by perceived importance of action. Paper presented at the 21st Annual Greater Boston Undergraduate Psychology Research Conference, Salem, MA.

## **AWARDS**

2006 – 2007 Teaching Excellence Award (nominated),  
Mt. Mary College, Milwaukee, WI

Anthony Fazio Research Prize, March 2001  
Psychology Department, University of Wisconsin – Milwaukee, Milwaukee, WI

Graduate Student Travel Award, June 2000  
Graduate School, University of Wisconsin – Milwaukee, Milwaukee, WI

## **PROFESSIONAL AFFILIATIONS:**

- Acoustical Society of America, since 1997.
- American Psychological Association, since 1995.
  - Division 3: Experimental Psychology
  - Division 5: Statistics & Measurement
- Midwestern Psychological Association, since 1998.
- Psi Chi Undergraduate Honor Society for Psychology

**PROFESSIONAL ACTIVITIES:**

4/01 – 4/03: Graduate School Graduate Student Travel Award Committee  
University of Wisconsin – Milwaukee Graduate School

8/98 – 6/00: Psychology Department Brown Bag Lunch Committee member/organizer

1/98 – 6/00: Psychology Department Web Site Committee

8/95 – 8/98: Milwaukee Graduate Assistant Association