

# Susan J. LeGendre

University of Arizona  
Department of Speech, Language, and Hearing Sciences  
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## **Research Interests**

Acoustics, spoken language perception in different listening environments, individual differences in auditory abilities, perceptual context effects, the rhythmic structure of speech and its perception, speech analysis and synthesis, expression of emotion in voice and speech, and speaker/listener communication techniques.

## **Education**

2008 – Present	In Progress Ph.D., Speech and Hearing Sciences University of Arizona, Tucson, AZ Advisors: Andrew Lotto, Ph.D. Brad Story, Ph.D.
2005 – 2008	B.S., <i>Cum Laude</i> University of Arizona, Tucson, AZ Major: Speech and Hearing Sciences Minor: Thematic

## **Research Experience/ Independent Studies**

Envelope Modulation Spectrum (EMS) project overseen by Dr. Andrew Lotto, Fall 2008 – Present

- Investigating the applicability of using EMS concept to design software program for use in calculating speech rhythm

Speech perception stimuli modeling independent study with Dr. Brad Story, Spring 2008

Speech synthesis independent study with Dr. Brad Story, Fall 2007

## **Presentations**

**LeGendre, S.J.** (May 2008) “Speech Synthesis and Its Use in Perception Studies.” *The Department of Speech, Language, and Hearing Sciences Student Research Colloquium Poster Session, University of Arizona.*

**LeGendre, S.J.**, Liss, J.M., & Lotto, A.J. (January 2009). “The Envelope Modulation Spectrum and Its Application in Rhythm Studies.” Poster at the Meeting of the Auditory Cognitive Neuroscience Society, Tucson, AZ.

### **Teaching Experience**

Guest lecture entitled “Human Perception of Speech vs. Music: Regarding Rhythm” given to undergraduate Introduction to Speech, Language and Hearing Sciences class (SPH 263), University of Arizona. Instructor: Andrew Lotto, Ph.D. March, 10, 2009.

### **Honors, Awards, and Scholarships**

Gruenwald Fellowship from Department of Speech, Language, and Hearing Sciences (Fall 2008-Present)

Graduated *Cum Laude* from The University of Arizona (May 2008)

Presidential Scholarship from Maricopa Community Colleges (2003-2005)

### **Scientific Organizations**

Acoustical Society of America

American Auditory Society

American Psychological Society

Auditory Cognitive Neuroscience Society