

**Ageing and Speech Communication: Third International and Interdisciplinary  
Research Conference  
October 12-14, 2009  
Indiana University  
Bloomington, Indiana**

*Sunday, October 11*

3-7 p.m. Registration Check-in (Indiana Memorial Union, Hotel Lobby)

*Monday, October 12*

7:00 a.m. - noon Registration Check-in

7:00 a.m. Breakfast

7:45 a.m. Welcoming Remarks

**AGING AND THE AUDITORY SYSTEM**

8:00 a.m. **Neurobiology of the Aging Auditory System: An Overview of Structural, Genetic and Functional Changes**  
*Robert Frisina, University of Rochester*

8:40 a.m. **Inhibitory Neurotransmission, Plasticity and Aging in the Mammalian Central Auditory System**  
*Donald Caspary, Southern Illinois University*

9:20 a.m. **Ageing and the Auditory System: What We've Learned from the Gerbil & Mouse**  
*Richard Schmiedt, Medical University of South Carolina*

10:00 a.m. Break

**CHANGES IN "MIDDLE AGE"**

10:20 a.m. **Cognitive Changes across the Lifespan: An Overview**  
*Elizabeth Stine-Morrow, University of Illinois*

11:00 a.m. **Auditory Discourse Comprehension across the Adult Lifespan**  
*Mitchell Sommers, Washington University*

11:40 a.m. **Temporal-Order Identification in Visual, Auditory, and Tactile Modalities across the Adult Lifespan**  
*Tom Busey, Jim Craig, Larry Humes and Diane Kewley-Port, Indiana University*

12:30-2:00 p.m. LUNCH

## PHYSIOLOGICAL MEASURES

- 2:00 p.m.     **The Ways in Which Context and Knowledge Can Assist Speech Comprehension, Especially in Challenging Listening Conditions**  
*Ingrid S. Johnsrude, Queen's University*
- 2:40 p.m.     **Aging and the Cocktail Party Problem: What Can We Learn from Electromagnetic Recording**  
*Claude Alain, University of Toronto*
- 3:20 p.m.             Break
- 3:40 p.m.     **Increased Cross-Modal Distractibility in Older Adults**  
*Paul Laurienti, Wake Forest University*
- 4:20 p.m.     **Using Eye-tracking to Explore Age-Related Differences in Spoken Language Comprehension**  
*Craig Chambers, University of Toronto at Mississauga*
- 5:00-7:00 p.m.             Social Hour and Poster Session A

*Tuesday, October 13*

7:00 a.m.             Breakfast

## THE PROBLEM OF INTERFERING SPEECH

- 8:00 a.m.     **Aging and Speech Understanding in the Presence of Competing Speech**  
*Karen Helfer, University of Massachusetts*
- 8:40 a.m.     **Spatial Release from Informational Masking in Older Adults with Hearing Loss**  
*Nicole Marrone, Northwestern University*
- 9:20 a.m.     **Benefits of Spatial Separation for Aided Listening in Older Adults**  
*Judy Dubno, Medical University of South Carolina*
- 10:00 a.m.             Break

## TEMPORAL PROCESSING AND AGING

- 10:20 a.m.     **Aging and Auditory Temporal Processing: Evidence of Sub-types of Presbycusis**  
*Kathy Pichora-Fuller, University of Toronto at Mississauga*

11:00 a.m. **Aging and the Effects of Accent on Perception of Temporal Acoustic Cues**  
*Sandy Gordon-Salant and Pete Fitzgibbons, University of Maryland*

11:40 a.m. **Age, Speed of Processing, and Language Comprehension**  
*Arthur Wingfield and Patricia Tun, Brandeis University*

12:30 -1:30 p.m. LUNCH

#### LANGUAGE AND SPEECH PERCEPTION

1:30 p.m. **I'll Never Forget What's-her-name: Cognitive and Neural Mechanisms Underlying Aging Effects on Language Production**  
*Deborah Burke, Pomona College*

2:10 p.m. **Ease of Language Understanding (ELU) Model: Selective Effects of Aging and the Cognitive Disuse Hypothesis**  
*Jerker Ronnberg, Linkoping University*

2:50 p.m. **Effects of Lexical Competition on Sentence Perception in Aging**  
*Vanessa Taler and David Pisoni, Indiana University*

3:30 p.m. Break

3:50 p.m. **Neural Bases of Speech Recognition in Noise: Integrating What We Hear, See, and Know**  
*Lee Miller, University of California, Davis*

4:30 p.m. **It Takes Two to Communicate: Speech-Production Issues that May Impact on Perception**  
*Pascal van Lieshout, University of Toronto*

5:15-7:15 p.m. Social Hour and Poster Session B

*Wednesday, October 14*

7:00 a.m. Breakfast

#### IMPROVING PERFORMANCE OF OLDER ADULTS

8:00 a.m. **Hearing Aids in Older Adults: Outcomes and Preferences**  
*Robyn Cox, University of Memphis*

- 8:40 a.m. **On Cognition and Hearing Aids**  
*Thomas Lunner, Linköping University*
- 9:20 a.m. **Amplification Technologies and Speech Understanding in Older Adults**  
*Pam Souza, Northwestern University*
- 10:00 a.m. Break
- 10:20 a.m. **Older Adults with Hearing Impairment Seeking Rehabilitation for the First Time: What They Choose and Why**  
*Louise Hickson, University of Queensland*
- 11:00 a.m. **Aging and Training-Induced Plasticity**  
*Kirk Erickson, University of Pittsburgh, and Arthur Kramer, University of Illinois*
- 11:40 a.m. **Neuromodulation, Neural Plasticity, and Aging**  
*Shu-Chen Li, Max Planck Institute for Human Development*
- 12:30 p.m. Adjourn (Box Lunches)