

Sunday, May 29th, 2005

Community Lectures

- 9:00 - 9:30 **Registration and Continental Breakfast**
Rm 2150, CCIT Building
- 9:30 - 10:30 **Roy Patterson**
What Limits the Notes that Composers Can Use to Make Tonal Melodies?
- 10:30 - 11:00 **BREAK**
- 11:00 - 12:00 **Bruce Schneider**
Listening in Everyday Situations: From Hearing to Comprehension
- 12:00 - 1:00 **LUNCH**
- 1:00 - 2:00 **Bob Shannon**
The Ear is for Music - The Brain is for Speech
- 2:00 - 3:00 **Jeff Bondy & Ian Bruce**
From Neurons to Hearing Aids
- 3:00 - 3:30 **Kathy Pichora-Fuller**
Final Discussion
- 3:30 - 4:00 **RECEPTION**

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**HUMAN
COMMUNICATION
LAB**

Centre for Research on Biological Communication Systems



May 27th, 29th & 29th
2005

**AUDITORY
TEMPORAL
PROCESSING
SYMPOSIUM
PROGRAM**

www.utm.utoronto.ca/crbcs/events

Friday, May 27th, 2005

Physiological, Psychoacoustic, Perceptual, and Cognitive Research

- 8:00 - 8:30 Breakfast - Spiegel Hall, South Building
8:30 - 9:00 Registration - Rm. 2150, CCIT Building
9:00 - 9:15 **Ulrich Krull**
Welcome
9:15 - 9:45 **Eric Young**
The Neural Representation of Successive Segments in Speech in Normal and Acoustically-Traumatized Ears
9:45 - 10:15 **Roy Patterson**
The Temporal Form of Size Information in Speech, Music and Animal Sounds
10:15 - 10:45 **BREAK**
10:45 - 11:15 **Terry Picton**
Timing and the Auditory Evoked Potentials
11:15 - 11:45 **Willy Wong**
Discussion of Physiological Models
11:45 - 1:00 **LUNCH**
1:00 - 1:30 **Kathy Pichora-Fuller**
Age-Related Differences in Temporal Coding of Gaps in Speech and Non-Speech Signals
1:30 - 2:00 **John Grose**
Detecting and Discriminating Gaps: Stimulus Factors and Listener Factors
2:00 - 2:30 **Liang Li**
Auditory Memory of Fine Details in Humans
2:30 - 3:00 **Bruce Schneider**
Discussion of Gap Psychoacoustics
3:00 - 3:30 **BREAK**
3:30 - 4:00 **Bob Shannon**
Temporal Information in Speech: The Role of Envelope vs Fine Structure
4:00 - 4:30 **Erin Hannon**
Perceptual Learning of Musical Temporal Structure during Infancy and Adulthood
4:30 - 5:00 **Ewen MacDonald**
Simulation of Temporal Aspects of Auditory Aging
5:00 - 5:30 **Ingrid Johnsrude**
Discussion of Speech and Music
6:00 - 8:00 **DINNER**

Saturday, May 28th, 2005

Real-world Listening & Translating Research into Practice and Technology

- 8:00 - 8:30 Breakfast - Spiegel Hall, South Building
8:30 - 9:00 Registration - Rm. 2150, CCIT Building
9:00 - 9:30 **Pierre Divenyi**
The Magic Duration of 100 ms in Auditory Segregation
9:30 - 10:00 **Christian Giguère**
Working in Noise
10:00 - 10:30 **Claude Alain**
Discussion of Real-World Listening: Neuroelectric Correlates of Age-Related Decline in Temporal Acuity
10:30 - 11:00 **BREAK**
11:00 - 11:30 **Art Wingfield**
Understanding Speeded, Noisy, and Complex Speech at the Word, Sentence and Discourse Levels: Implications for Adult Aging and Hearing Loss
11:30 - 12:00 **Antje Heinrich**
The Effects of Temporal Distortion on Speech Perception and Memory Performance in Young and Old Listeners
12:00 - 12:30 **Meredyth Daneman**
Discussion of Listening in Noise
12:30 - 1:30 **LUNCH**
1:30 - 2:00 **Astrid vanWieringen**
Temporal Processing in Cochlear Implants
2:00 - 2:30 **Jeff Bondy**
Cochlear Nonlinearities and Temporal Neural Clues
2:30 - 3:00 **Gurjit Singh**
Discussion of Hearing Technologies
3:00 - 3:30 **BREAK**
3:30 - 4:00 **Ian Bruce**
How Lab Researchers can Interact with Industrial Partners
4:00 - 4:30 **Steve Armstrong**
How Industrial Researchers Can Interact with Academic Partners
4:30 - 5:00 **Vijay Parsa**
Discussion of Technology Transfer
6:00 - 8:00 **DINNER**