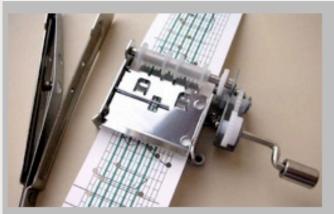
# MUSIC, BRAIN & COGNITION WORKSHOP

Music, Brain & Cognition Workshop, 7-8 Dec '07 Whistler Canada



Neural Information Processing Systems Conference







\*illustration by John Kannenberg

## TWO DAY WORKSHOP

- Day 1 (Friday)
  - Learning the Structure of Music
- Day 2 (Saturday)
  - Models of Sound and Cognition (of Sound)

### GENERAL STUFF

- Anyone that has a poster please contact Hendrik Purwins (first and second day)
- Anyone who is not going skiing is more than welcomed to stay after the morning session (i.e. after 10.30am) to further discuss posters

### UPDATE IN SCHEDULE

#### Brain, Music & Cognition - Day 1 Learning The Structure of Music and its Effects on The Brain

Friday December 7, 2007

Organizers: David R. Hardoon, Eduardo Reck Miranda and John Shawe-Taylor

| Morning session: 7:30am-10:30am |   |
|---------------------------------|---|
| 7:30am                          | Introduction, D. R. Hardoon   |
| 7:45am                          | Psychoacoustic Influences on the Neural Correlates of music Syntactic Processing, S. Jentschke                                    |
| 8:35am                          | Neural Correlates of Tonality in Music,<br>S. Durrant, D. R. Hardoon, E. R. Miranda, J. Shawe-Taylor, A. Brechmann and H. Scheich |
| 9:00am                          | coffee break & poster viewing   |
| 9:20am                          | Music Preference Learning with Partial Information,<br>Y. Moh, P. Orbanz and J. M. Buhmann  |
| 9:30am                          | Linear Programming Boosting for Classification of Musical Genre,<br>T. Diethe and J. Shawe-Taylor                                 |
| 9:40am                          | The Conditionally Independent Voice Model, C. Raphael   |

#### Afternoon session: 3:30pm-6:30pm 3:30pm A Generative Model for Rhythms, J. Paiement, Y. Grandvalet, S. Bengio and D. Eck 3:40pm A Maximum Likelihood Approach to Multiple Fundamental Frequency Estimation From the Amplitude Spectrum Peaks, Z. Duan and C. Zhang 3:50pm Finding Musically Meaningful Words by Sparse CCA, D. A. Torres, D. Turnbull, L. Barrington, B. K. Sriperumbudur and G. R. G. Lanckriet 4:15pm Can Style be Learned? A Machine Learning Approach Towards 'Performing' as Famous Pianists, L. Dorard, D. R. Hardoon and J. Shawe-Taylor 4:25pmDiscovering Music Structure via Similarity Fusion, J. Arenas-García, E. Parrado-Hernández, A. Meng, L. K. Hansen and J. Larsen 4:35pm coffee break & poster viewing 4:55pm Information Dynamics and the Perception of Temporal Structure in Music, S. Abdallah 5:50pm Time-Frequency and Synchrony Analysis of Responses to Steady-State Auditory and Musical Stimuli from Multichannel EEG. T. M. Rutkowski, J. Dauwels, F. Vialatte, A. Cichocki and D. P. Mandic 6:15pm Discussion, M. Plumbley

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## TODAY'S FORMAT

- 3 Invited Talks
  - 2 in the morning session and 1 in the afternoon
- 3 Contributed Talks
  - 1 in the morning session and 2 in the afternoon
- 6 Spotlight (2 poster viewing sessions)
  - 2 in the morning session and 4 in the afternoon

## OPEN CALL FOR CONTRIBUTIONS

## Connection Science Special Issue on "Music, Brain & Cognition"

JOURNAL DETAILS



Connection Science Special Issue on "Music, Brain & Cognition"

Call for Papers

CONNECTION SCIENCE

Special Issue on

MUSIC, BRAIN & COGNITION

2006: Impact Factor 1.297, Cited Half-Life 8.7 years.

http://homepage.mac.com/davidrh/MBCworkshop07/Journal.html