

# MML 2008 International Workshop on Machine Learning and Music

09:00-10:30 Session I

09:00-09:10 Introductory Remarks

09:10 Musical Source Separation using Generalised Non-Negative Tensor Factorisation Models  
Derry FitzGerald, Matt Cranitch, Eugene Coyle

09:30 Learning Violinist's Expressive Trends  
Miguel Molina-Solana, Josep Lluís Arcos, Emilia Gomez

09:50 The Potential of Reinforcement Learning for Live Musical Agents  
Nick Collins

10:10 Modeling Celtic Violin Expressive Performance  
Rafael Ramirez, Alfoso Perez, Stefan Kersten, David Rizo, Placido Roman, Jose M. Inesta.

10:30-11:00 Coffee break

11:00-12:40 Session II

11:00 Identifying Cover Songs Using Normalized Compression Distance  
Teppo E. Ahonen, Kjell Lemström.

11:20 Towards Logic-based Representations of Musical Harmony for Classification, Retrieval and Knowledge Discovery  
Amelie Anglade, Simon Dixon.

11:40 Metropolis-Hastings Sampling in a FilterBoost Music Classifier  
Balazs Kegl, Thierry Bertin-Mahieux, Douglas Eck.

12:00 An Ensemble-Based Approach for Automatic Hierarchical Music Genre Classification  
Carlos N. Silla Jr., Alex A. Freitas.

12:20 Composer classification using grammatical inference  
Jeroen Geertzen, Menno van Zaanen

12:40-14:30 Lunch break

14:30-16:10 Session III

14:30 Training Music Sequence Recognizers with Linear Dynamic Programming  
Christopher Raphael, Eric Nichols.

14:50 Genre Classification of Music by Tonal Harmony  
Carlos Perez-Sancho, David Rizo, Stefan Kersten, Rafael Ramirez

15:10 Using Mathematical Morphology for Geometric Music Retrieval  
Mikko Karvonen, Kjell Lemström

15:30 Learning to analyse tonal music  
Placido R. Illescas, David Rizo, Jose Manuel Inesta

15:50 Chorale Harmonization in the Style of J.S. Bach, A Machine Learning Approach  
Alex Chilvers, Menno van Zaanen

16:10-16:40 Coffee break

16:40-18:00 Session IV

16:40 An information-dynamic model of melodic segmentation  
Marcus T. Pearce, Daniel Mullensiefen, Geraint A. Wiggins

17:00 Discovery of distinctive patterns in music  
Darrell Conklin

17:20 Melody Characterization by a Fuzzy Rule System  
Pedro J. Ponce de León, David Rizo, Rafael Ramirez

17:40 Detecting Changes in Musical Texture  
Atte Tenkanen, Fernando Gualda