

Table of Contents

Invited Talks

Structure and Interpretation of Music Concepts: Music from a Computational Perspective	1
<i>Mira Balaban</i>	
Expressive Gesture	4
<i>Antonio Camurri</i>	

Regular Contributions

A General Parsing Model for Music and Language	5
<i>Rens Bod</i>	
The Spiral Array: An Algorithm for Determining Key Boundaries	18
<i>Elaine Chew</i>	
Representation and Discovery of Vertical Patterns in Music	32
<i>Darrell Conklin</i>	
Discovering Musical Structure in Audio Recordings	43
<i>Roger B. Dannenberg, Ning Hu</i>	
Real Time Tracking and Visualisation of Musical Expression	58
<i>Simon Dixon, Werner Goebel, Gerhard Widmer</i>	
Automatic Classification of Drum Sounds: A Comparison of Feature Selection Methods and Classification Techniques	69
<i>Perfecto Herrera, Alexandre Yeterian, Fabien Gouyon</i>	
Some Formal Problems with Schenkerian Representations of Tonal Structure	81
<i>Tim Horton</i>	
Respiration Reflecting Musical Expression: Analysis of Respiration during Musical Performance by Inductive Logic Programming	94
<i>Soh Igarashi, Tomonobu Ozaki, Koichi Furukawa</i>	
Mimetic Development of Intonation	107
<i>Eduardo Reck Miranda</i>	
Interacting with a Musical Learning System: The Continuator	119
<i>François Pachet</i>	

Recognition of Isolated Musical Patterns Using Hidden Markov Models . . .	133
<i>Aggelos Pikrakis, Sergios Theodoridis, Dimitris Kamarotos</i>	
A Model for the Perception of Tonal Melodies	144
<i>Dirk-Jan Povel</i>	
Control Language for Harmonisation Process	155
<i>Somnuk Phon-Amnuaisuk</i>	
Evaluating Melodic Segmentation	168
<i>Christian Spevak, Belinda Thom, Karin Höthker</i>	
Combining Grammar-Based and Memory-Based Models of Perception of Time Signature and Phase	183
<i>Neta Spiro</i>	
A Bayesian Approach to Key-Finding	195
<i>David Temperley</i>	
Author Index	207