

Wednesday June 12

9:00 Registration & coffee

9:45 Opening remarks from conference chair and SMCM president

10:00 Paper Session 1: Analytical Algorithms *Chair: Ashley Burgoyne*

- “Key Induction and Key Mapping Using Pitch-Class Set Assertions,” Eliot Handelman and Andie Sigler
- “Maximal Translational Equivalence Classes of Musical Patterns in Point-Set Representations,” Tom Collins and David Meredith
- “Segmentation Methods for Symbolic Music Similarity Research,” Anja Volk, Bas de Haas, Marcelo E. Rodriguez Lopez

🕒 **Lunch** 🕒

1:30 Poster Session 1: “A Computational Model for a Morpho-Semantic Typology of Minimal Music Samples,” Kaoutar El Ghali, Adil El Ghali, Charles Tijus; “Automatic Rock ’n’ Roll Accompaniment Using a Hidden Semi-Markov Model,” Ryan Groves; “Coding Schenker: Case Studies in Cadence Detection,” Brian Miller; “Testing Cognitive Theories by Creating a Pattern-Based Probabilistic Algorithm for Melody and Rhythm in Jazz Improvisation,” Jonn Spencer, Mariana Montiel, and Martin Norgaard; “Toward Developing a Polyphonic Music Time-Span Tree Analyzer”, Masatoshi Hamanaka, Keiji Hirata and Satoshi Tojo

2:30 Paper Session 2: Generalized Tonnetze *Chair: Jason Yust*

- “Computation and Visualization of Musical Structures in Chord-based Simplicial Complexes,” Louis Bigo, Moreno Andreatta, Jean-Louis Giavitto, Olivier Michel, and Antoine Spicher
- “Generic Sequences and the Generic *Tonnetz*,” Julian Hook

4:00 Panel Discussion chaired by Mariana Montiel: Mathematical Music Theory in Academia: Its Presence, Role and Objectives in Departments of Mathematics, Music, and Computer Science. Panelists: Guerino Mazzola, David Clampitt, Thomas Noll, Thomas Fiore, Emmanuel Amiot, and Anja Volk.

Thursday June 13

9:00 Coffee

9:30 Paper Session 3: Tone Systems and Interval Content *Chair: Ronald Squibbs*

- “The Structure of Z-Related Sets,” Franck Jedrzejewski, Tom Johnson
- “Using Formal Concept Analysis to Represent Chroma Systems,” Tobias Schlemmer, Moreno Andreatta

11:00 Paper Session 4, Musical Performance: Theory and Analysis

Chair: Christoph Neidhöfer

- “Hypergesture Homology for Performance Stemmata with Lie Operators,” Guerino Mazzola
- “Conceptual and Experiential Representations of Tempo: Effects on Expressive Performance Comparisons,” Elaine Chew, Clifton Callender

🍽️ **Lunch** 🍽️

2:00 Paper Session 5: Harmonic Spaces *Chair: Norman Carey*

- “The Minkowski Geometry of Numbers Applied to the Theory of Tone Systems,” Marek Źabka
- “The Torii of Phases,” Emmanuel Amiot

3:30 Paper Session 6: Corpus Studies of Harmony *Chair: Ian Quinn*

- “Effects of Temporal Position on Harmonic Succession in the Bach Chorale Corpus,” Mitch Ohriner
- “An Alphabet-Reduction Algorithm for Chordal n -grams,” Christopher White
- “Compositional Data Analysis of Harmonic Structures in Popular Music,” Ashley Burgoyne, Jon Wild, and Ichiro Fujinaga

🎻 **Concert** 🎻

live@CIRMMT concert at 8 p.m. featuring works by Berio, Boulez, Carter, Beebe, Naon. The concert is on the -2nd floor of the New Music Building (there is no 0th or -1st floor!) Turn left when you exit the elevators.

Friday June 14

9:00 Coffee

9:30 Paper Session 7: Sturmian Words *Chair: David Clampitt*

- “Glarean’s Dodecachordon Revisited,” Thomas Noll and Mariana Montiel
- “Sturmian Canons,” Clifton Callender

11:00 Paper Session 8: Group Actions on Ordered Sets *Chair: Stephanie Lind*

- “Incorporating Voice Permutations into the Theory of Neo-Riemannian Groups and Lewinian Duality,” Thomas Fiore, Thomas Noll, and Ramon Satyendra
- “A hypercube-graph model for n -tone rows and relations,” Robert Peck

☪ **Lunch** ☪

1:45 Screening and Poster Session 2

- Movie (20 mins): “From Circles to Hyperspheres: 4D-Tonnetze, Spectra and Odd Symmetries” (Gilles Baroin)
- Posters: “Planet-4D Extensions: Hyperspheres for Musical Applications,” Gilles Baroin and Emmanuel Amiot; “Some Tools for Music Analysis: Graphs, Configuration Spaces and Fundamental Groups for Musical Modes,” Mattia G. Bergomi; “Learning to Hear Transformational Pcset Networks,” Yinan Cao, Jon Wild, Bennett Smith, and Stephen McAdams; “Normalizing Musical Contour Theory,” Rob Schultz

3:00 Paper Session 9: Style and Creativity *Chair: Mariana Montiel*

- “Towards a Categorical Theory of Creativity for Music, Discourse, and Cognition,” Moreno Andreatta, Andrée Ehresmann, René Guitart, Guerino Mazzola
- “Evaluation of n -gram-based Classification Approaches on Classical Music Corpora,” Jacek Wolkowicz, Vlado Keselj

4:30 Closing reception: A-832. Take the elevators to the 8th floor of the New Music Building and turn right.