

Symposium  
“Around Fred Lerdahl & Ray Jackendoff’s  
*Generative Theory of Tonal Music*”

Ircam & ENS  
11-12 January 2008

**PROGRAM**

*Friday January 11*

10h – 13h (Ircam, Salle Stravinsky) On the relations between Schenkerian approaches, Chomskian grammars and generative theories of tonal music

- 10h00-10h30 Jean-Michel Bardez (SFAM) & Moreno Andreatta (Ircam/CNRS) Welcome and description of the Symposium
- 10h30-11h15 Nicolas Meeùs (PLM, University of Paris IV) Schenkerian theory: a generative semiotic theory
- 11h15-12h00 Costas Tsougras (Aristotle University of Thessaloniki) The application of GTTM on 20th century modal music: Theoretical issues, Modal Pitch Space and the analysis of Y. Constantinides's *44 Greek miniatures for piano*.
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- 12h15-13h00 George Tsoulas (University of York). On Chomsky and GTTM (title to be confirmed)

*Lunch break*

14h30 – 19h (Ircam, Salle Stravinsky) Experimental Psychology and Neurosciences –oriented Approaches to GTTM

- 14h30-15h15 Ray Jackendoff (Tufts University) GTTM: Its roots and its lessons for cognitive science
- 15h15-16h15 Fred Lerdahl (Columbia University) and Carol L. Krumhansl (Cornell University) Testing the Theory of Tonal Tension
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- 16h30-17h15 Irène Deliège (ESCOM) la théorie des groupements et ses multiples conséquences
- 17h15-18h00 Michael J. Bruderer (Technical University of Eindhoven) Perception and modeling of structural boundaries in Western popular music
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- 18h15-19h00 Discussion (coordinated by Isabelle Viaud-Delmon, CNRS UMR 7593 & Ircam, Room Acoustics Team)

*Saturday January 12 (morning at the ENS and afternoon at Ircam)*

10h00-13h00 MaMuPhi Seminar (ENS, salle Weil) - Thomas Noll (ESMuC, Barcellona) Le Pli Diatonique: Algebraic Combinatorics on Words applied to the Study of the Diatonic Modes (Session coordinated by François Nicolas).

Lunch break

15h00-18h00 MaMuX Seminar (Ircam) – Mathematics/Music and Cognition / computational models for TGMT/TPS

- 15h00-16h00 Fred Lerdahl (Columbia University) & Robert Seward - Toward a Computer Implementation of the GTTM/TPS Analytic System
- 16h00-16h45 Emiliós Cambouropoulos (Department of Music Studies Aristotle University of Thessaloniki) - Musical Surface, Streaming and Grouping: Perceptual and Computational Perspectives.

*pause*

- 17h00-18h00 Geraint A. Wiggins, Marcus Pearce et Daniel Mullensiefen (Centre for Cognition, Computation & Culture, Goldsmiths' College, University of London). Statistical Models of Music Cognition
- 18h15-19h00 Final discussion (coordinated by Moreno Andreatta, Ircam/CNRS)

Organization: Irène Deliège (ESCOM) and Moreno Andreatta (Ircam/CNRS)

The Symposium is organized in collaboration with the « Patrimoines et Langages Musicaux » (PLM) team of University of Paris IV-Sorbonne, the LEAD (CNRS UMR 5022) and with the financial support by ESCOM (European Society for the Cognitive Sciences of Music), SFAM (French Society of Music Analysis) and AFIM (French Society of Music Informatics – Working group on “Mathematics/Music & Cognition”).

Addresses:

Ircam (salle Stravinsky), 1, place I. Stravinsky, 75004, Paris [Friday sessions and Saturday afternoon session]

ENS (salle Weil), 45 rue d’Ulm, Paris 5ème [Saturday morning session]

Web page of the MaMuPhi Seminar: <http://www.entrettemps.asso.fr/math/>

More on the MaMuX Seminar on: <http://recherche.ircam.fr/equipements/repmus/mamux/>

