

CORPUS RESEARCH

as a Means of Unlocking

MUSICAL GRAMMAR

International Research Workshop | July 1–4 2019

Department of Music, Bar-Ilan University
The Buchmann-Mehta School of Music, Tel Aviv University

July 1–2 | Bar-Ilan University

Music Building (1005) | Room 109

Monday | July 1st:

9:00-10:00 | Registration

10:00-10:30 | Inauguration and
welcome addresses Bar-Ilan University

SESSION I

Musical Corpus Research Today:
Projects, Problems, ChallengesChair: Eytan Agmon,
Bar-Ilan University

10:30-11:45 | Corpora and

Model-driven Music Research
Martin Rohrmeier, Ecole Polytechnique
Fédéral de Lausanne12:00-13:15 | What Can We Expect from
Corpus Studies?
Dmitri Tymoczko, Princeton University

SESSION II

Data-Driven Research as a Means of
Analytic Revision

Chair: Uri Rom, Tel Aviv University

14:30-15:45 | Measuring the
Inmeasurable in Music

Dan Shanahan, Ohio State University

16:00-17:15 | Towards a Bottom-Up

Data-Driven Theory of Musical
Yoel Greenberg, Bar-Ilan University

Tuesday | July 2nd:

SESSION III

Algorithmic Methods

Chair: Alon Schab, University of Haifa

9:30-10:00 | A Graph Representation of Hierarchical
Voice-Leading
Christoph Finkensperg, Ecole Polytechnique
Fédéral de Lausanne10:00-10:30 | Computational analysis of fugues and sonata
forms combining patterns, harmony and
rhythmic elements
Mathieu Giraud, Université Lille10:30-11:00 | A Data-Driven History of Major and Minor
Daniel Hanasin, Ecole Polytechnique Fédéral de Lausanne11:15-11:45 | Tracing the History of Tonality with
Note Distributions
Fabian Moss, Ecole Polytechnique Fédéral de Lausanne11:45-12:05 | Sliding-Window Pitch-Class Histograms as a
Modeling Tool of Musical Form
Dror Chavin, Tel Aviv University

SESSION IV

Short Presentations (1) | Computational Methods

Chair: Markus Neuwirth, Ecole Polytechnique
Fédéral de Lausanne13:15-14:45 | Speakers: Matan Ben-Asher (Bar-Ilan
University), Assaf Benon (Hebrew University of
Jerusalem), Sarig Sela (Hebrew University of Jerusalem),
Aviel Salem (Bar-Ilan University), Adam Yodanis (Hebrew
University of Jerusalem).

SESSION V

Forging Bonds (1) | Music - Language -

Grammar - Perception

Chair: Daniel Shanahan, Ohio State University

15:00-15:45 | Deep-Learning Methods for Modeling
Human Language
Yoav Goldberg, Bar-Ilan University15:45-16:30 | Cross-Modal Associations of Tonal Stability
Zohar Eitan, Neta Maimon, Tel Aviv University

Concert (1)

17:00-18:00 | Carmel Quartet: Paul Ben-Haim, Mozart

Social Dinner (registration required)

19:00 | Conference Dinner (location to be announced)

July 3–4 | Tel Aviv University

The Buchmann-Mehta School of Music | Targ Hall

Wednesday | July 3rd:

9:30-10:00 | Welcome addresses
Tel Aviv University

SESSION VI

Cadences and Musical Punctuations
as Corpora (1)

Chair: Zohar Eitan, Tel Aviv University

10:00-11:15 | Statistical Explorations of
Harmony and Cadences in the Annotated
Mozart Dataset
Markus Neuwirth, Ecole Polytechnique
Fédéral de Lausanne11:30-12:45 | Cadence and Formal Function
Nathan Martin, University of Michigan

SESSION VII

Cadences and Musical Punctuations
as Corpora (2)

Chair: Yoel Greenberg, Bar-Ilan University

14:00-15:15 | Bayesian Learning of Tonal
Cadences from Harmonic and Melodic Cues
Ben Duane, Washington University, Saint Louis15:30-16:45 | Musical Punctuation and
Temporality in a Corpus of Mozart's
Sonata Expositions
Uri Rom, Tel Aviv University

SESSION VIII

Short Presentations (2)

Diverse Musical Corpora

Chair: Dmitri Tymoczko, Princeton University

16:45-18:00 | Speakers: Miri Blustein (Tel Aviv
University), Mathieu Giraud (Université Lille),
Ziv Kaplan (Tel Aviv University), Ana Llorens
(Instituto Complutense de Madrid).

Concert (2)

18:15-19:00 | TAU Voice Students:

Israeli Art Songs

Thursday | July 4th:

SESSION IX

Forging Bonds (2) | Corpus Studies and

Formenlehre

Chair: Yonatan Bar-Yoshafat,

The Open University

9:30-10:45 | Syntax and Form in Haydn's

Symphonic Last Movements
Jan Miyake, Oberlin College, Ohio

11:00-11:30 | The Formal Evolution of the Concerto

First Movement in the Eighteenth Century: a
Corpus-Based Approach
Omer Maliniak, Bar-Ilan University11:30-12:15 | Schubert's Short Danes for Piano
Solo: Intra-Corpus Norms and Recurring
Artistic Devices
Yoel Greenberg, Jerusalem Academy of Music
and Dance

SESSION X

Forging Bonds (3) | Corpus Studies and
Musical Topoi

Chair: Nathan Martin,

University of Michigan

13:30-14:15 | Vivaldi: Musical Syntax and

Tonal Expansion
Bella Brover-Lubovsky, Jerusalem Academy of
Music and Dance

14:15-15:30 | A Corpus-Driven Inquiry into the

Embodied Meanings of the Classical Minuet.
Olga Sanchez-Kisilevskaya,
University of Chicago

15:45-16:30 | Final Panel Discussion - Musical

Corpus Studies Tomorrow

Excursion (open to all participants)

17:30-19:30 | Felicity Blumental Music Center
Museum & Library, Historic Tel Aviv

Organizing Committee:

Yoel Greenberg (Bar-Ilan University)

Uri Rom (Tel Aviv University)

Attendance free of charge,
please register in advance
via email to:
corpusrae2019@gmail.com<https://corpusrae2019.wixsite.com/mysite>