EMMANOUIL KARYSTINAIOS

Vienna ⋄ Austria

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https://emmanouil-karystinaios.github.io

RESEARCH INTERESTS

Graph Neural Networks
Models of Music Expectancy
Structure Segmentation on Symbolic Scores

EDUCATION

Ph.D. : Artificial Intelligence and Music   *Oct 2020 - Present*
Johannes Kepler University   Technical Sciences

Master of Science : Mathematical Logic   *Sep 2018 - Sep 2020*
Université Paris7 Diderot   UFR Mathematics

Master of Arts : Musical Signal Processing and Composition   *Oct 2017 - Sep 2019*
Université Paris8   Department of Fine Arts

Musicology and Composition (Bac+5)   *Sep 2012 - Sep 2017*
Aristote University of Thessaloniki   Departement of Fine Arts

Musical Programming - MaxMSP   *November 2016 - March 2017*
IRCAM Certificate   Centre Pompidou, Paris

POSITIONS OF RESPONSIBILITY

Linz University of Fine Arts   Oct 2022 - Present
Lecturer
· Sound and Music Computing Course : Music Generation Techniques using Machine Learning.

Johannes Kepler University   Oct 2021 - Present
Guest Lecturer - Musical Informatics
· Music Generation using Formal Grammars, and analysis using Group Theory and Tonnetz.

Paris Télecom   Oct 2019 - May 2020
Classification and Decidability problems on music   *internship*
· Musical style classification with deep learning.

University of Strasbourg   April 2019 - August 2019
Style Genre Classification on Symbolic Music Data   *Master 2 internship*
· Build Topological tool and applied graph analysis for automated Musical analysis

TECHNICAL SKILLS

Programming Languages	Python, O'Caml, C++, Cuda
Software & Tools	MaxMSP, Reaper, Inkscape, SuperCollider, MuseScore

LANGUAGES

English :	Excellent command TOEFL > 90.	(2019)
French :	Excellent command C2 Dalf	(2016)
German :	Intermediate	
Greek :	Mother Tongue.	

PUBLICATIONS

Emmanouil Karystinaios, Gerhard Widmer (2022). *Cadence Detection in Symbolic Classical Music using Graph Neural Networks.* In ISMIR.

Francesco Foscarin, Emmanouil Karystinaios, Silvan Peter, Carlos Canchino Chacon, Maarten Grachten, Gerhard Widmer (2022). *The match file format : Encoding Alignments between Scores and Performances.* In MEC.

Carlos Canchino Chacon, Silvan Peter, Emmanouil Karystinaios, Francesco Foscarin, Maarten Grachten, Gerhard Widmer (2022). *Partitura : A Python Package for Handling Symbolic Musical Data.* In MEC.

Carlos Canchino Chacon, Silvan Peter, Emmanouil Karystinaios, Gerhard Widmer (2022). *Towards Quantifying Differences in Expressive Piano Performances : Are Euclidean-like Distance Measures Enough ?.* In RPPW2021.

Emmanouil Karystinaios, Corentin Guichaoua, Moreno Andreatta, Louis Bigo, Isabelle Bloch (2020). *Music genre descriptor for classification based on Tonnetz trajectories.* In JIM.

ADDITIONAL INTERESTS

Composition of electronic music : soundcloud.com/emmanouil-karystinaios
Experimented with microcontrolers such as : Arduino, Midicontrollers, MidiKeyboards etc.