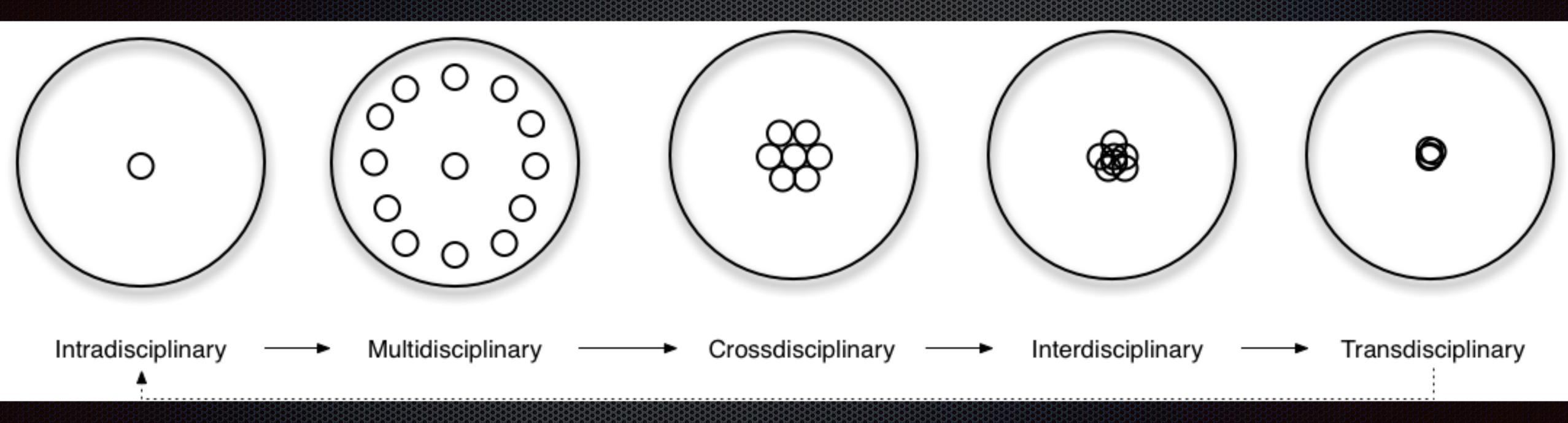
Introduction to the Symposium & to the MIRAGE project

Olivier Lartillot

Introduction

- Why this symposium on Computational Musicology?
- Overview of the symposium
- The MIRAGE project: An introduction

Computational Musicology



A. R. Jensenius, *Disciplinarities: intra, cross, multi, inter, trans*. www.arj.no/2012/03/12

Aims of the symposium

- Forum between researchers in computational musicology
- Introducing to musicologists a broad range of research
- Collecting from musicologists their particular needs, with the aim to shape computational musicology research along those lines
- MIRAGE project initiative:
 - New tools for musicology
 - Forum for collaborative research

Day

- David Meredith: Music analysis, pattern discovery, complexity, information
- Current developments of the MIRAGE project
 - Transcription and analysis of Norwegian traditional Hardanger fiddle tunes
- Mathieu Giraud: Patterns, harmony, rhythm, texture, form (fugue, sonata)
- MIRtoolbox (with Petri Toiviainen) and the MiningSuite

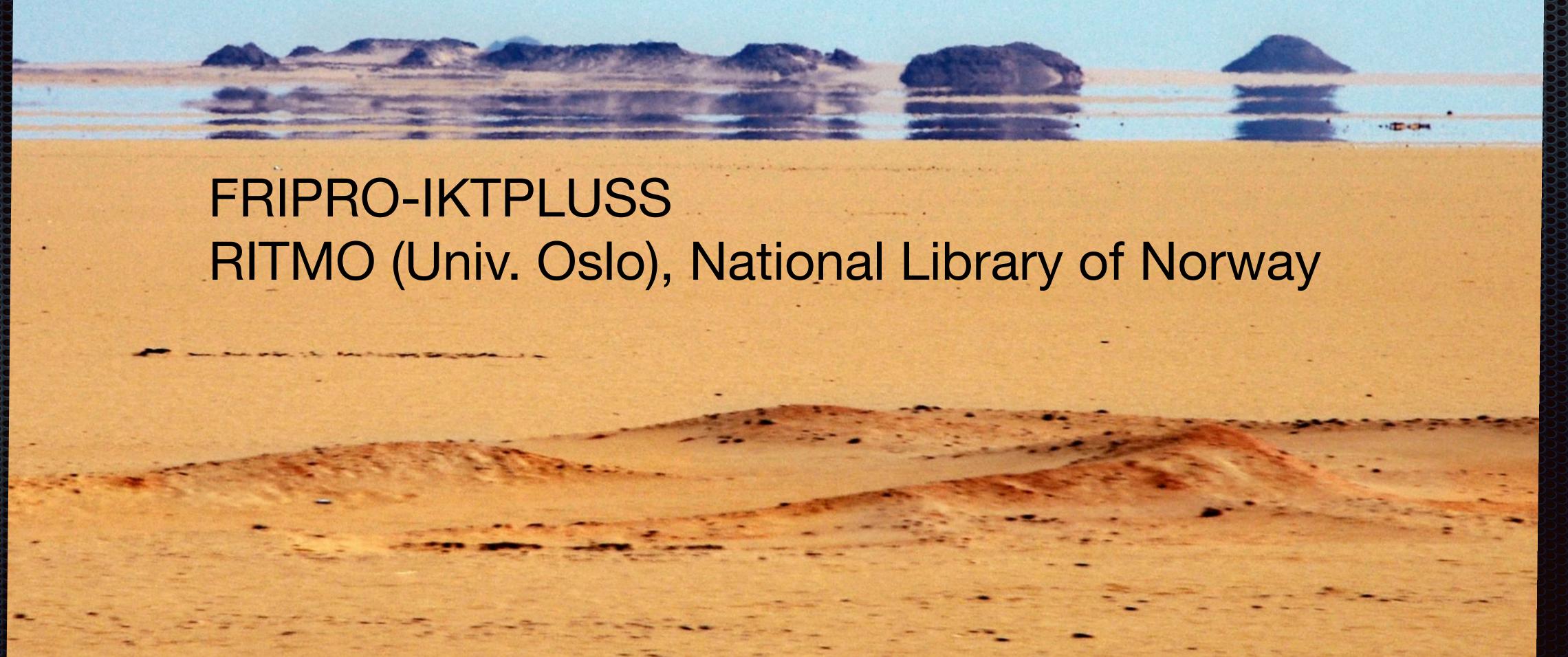
Day 2

- Research projects in the topic of computational musicology
 - TROMPA Transforming Musicology Polifonia CompMusic
 - Dutch Song Database Jazzomat, Dig That Lick MIRAGE
- Panel
- Open discussion

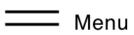
Interactive forum

- Ask question during a talk:
 - Zoom: please write questions in Q&A tab, not in Chat tab
 - Youtube: please write questions in chat window
- After a talk:
 - MIRAGE Slack workspace
 - One dedicated Slack channel for each talk









← News and events ← News ← 2021

Norwegian version of this page

Artificial intelligence can help you understand music better

by Mari Lilleslåtten

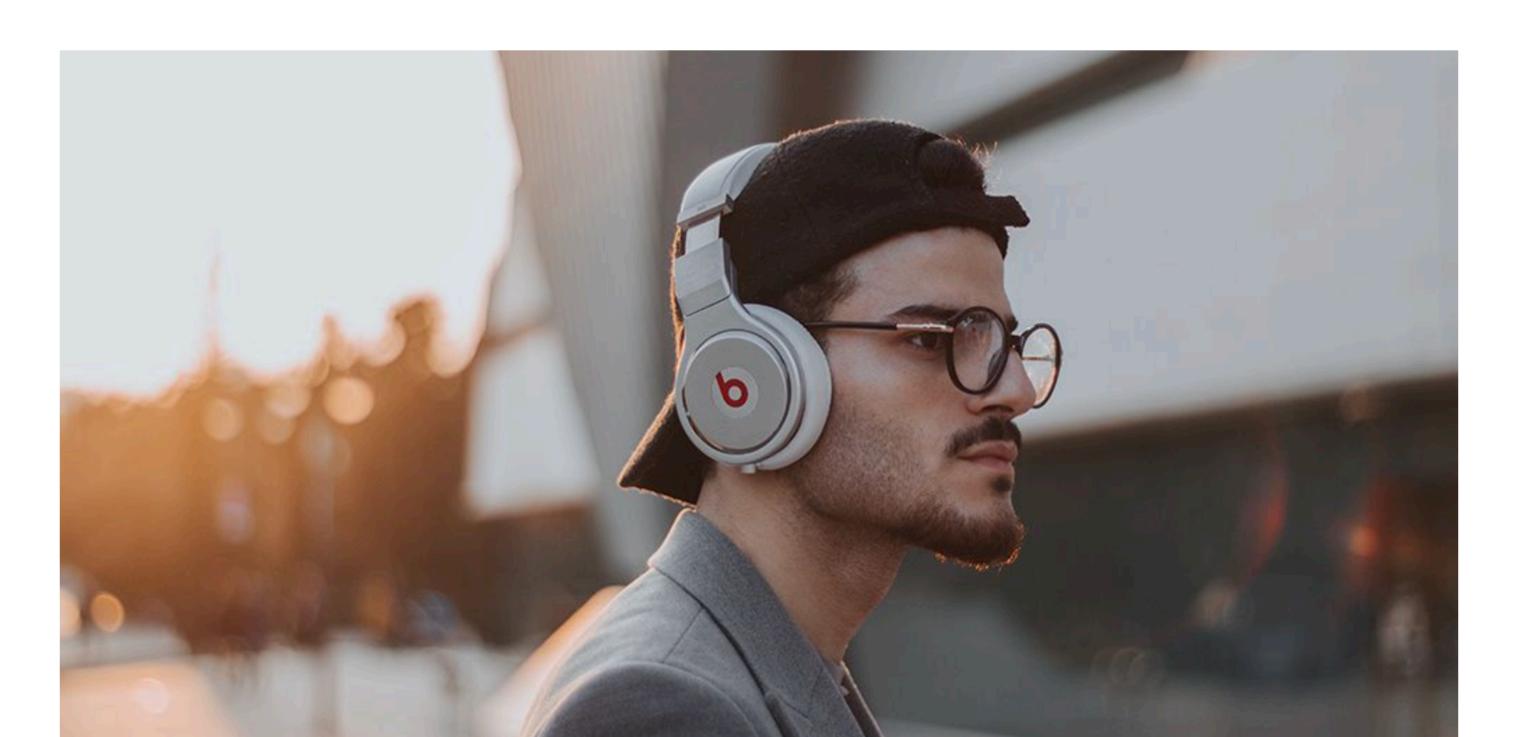
2018

2019

2020

2021

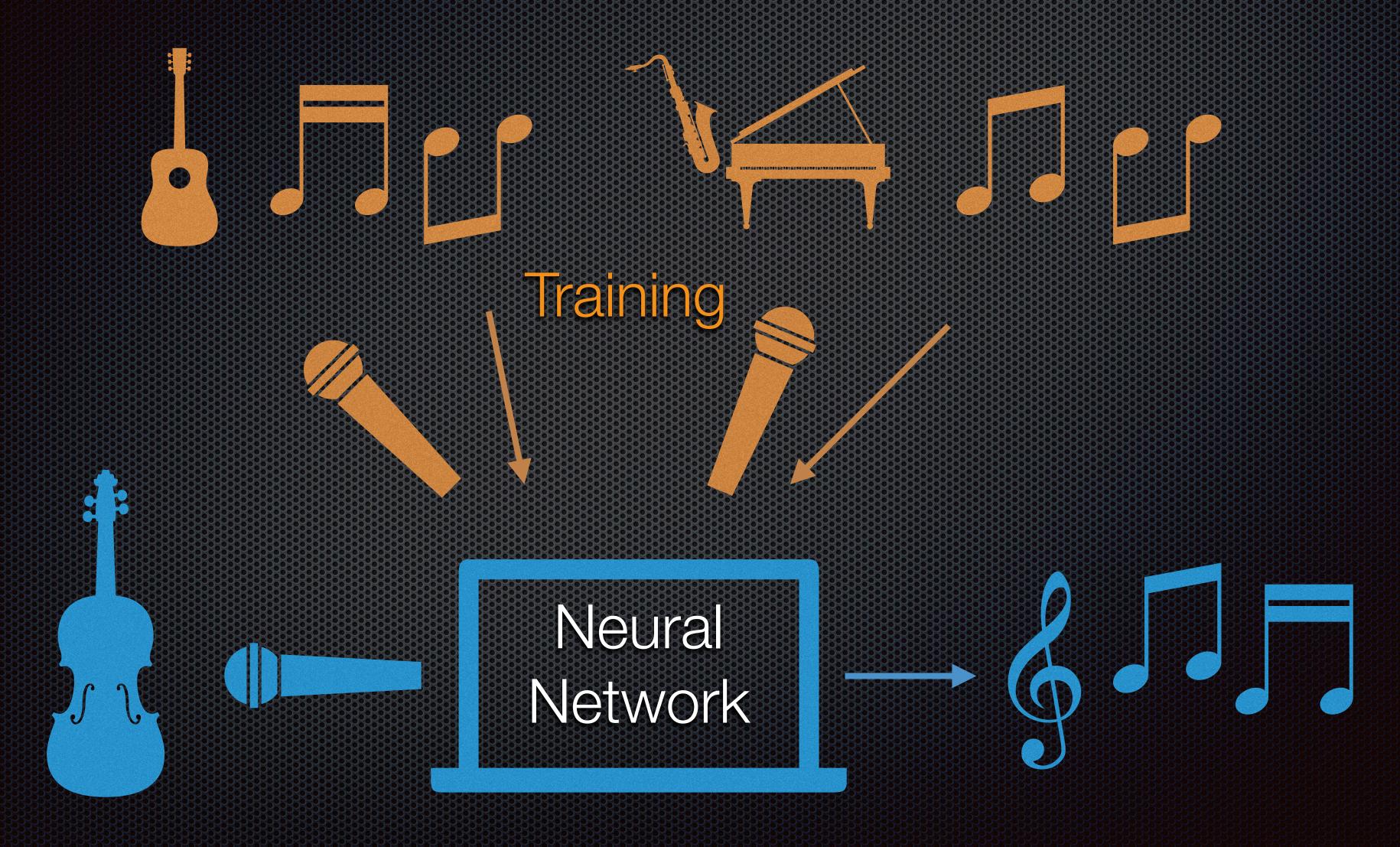
Algorithms and technology have so far helped listeners to more of the same music. Now, UiO researchers are working on new technology that can get people interested in a greater musical variety.



MIRAGE project

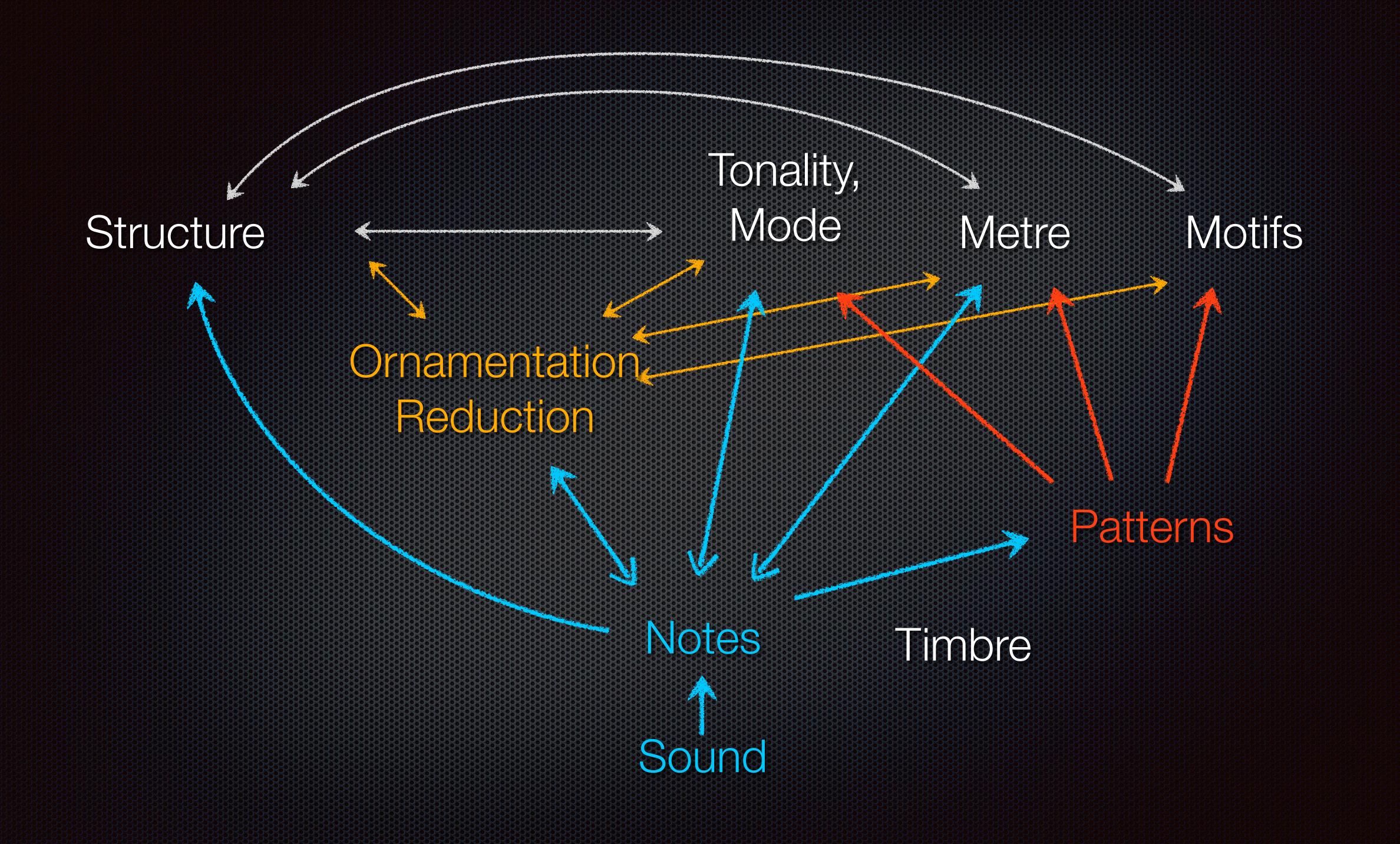
- New technologies for music transcription and analysis
 - Covering diverse range of music
- Application to musicology
 - Visualisation, Query/Retrieval, Intertextuality
- Application to music cognition
- Application for the general public

Machine learning



Manual design

- Signal processing, rules, heuristics
- Based on cognitive and musicological principles
- Complex system of interdependent modules



MIRAGE project

- New technologies for music transcription and analysis
 - Covering diverse range of music
- Application to musicology
 - Visualisation, Query/Retrieval, Intertextuality
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- Application for the general public