

MUS2500/4500 – 18. January 2018

MUS2500/4500

RITMO: Musical Rhythm, Time, and Motion



UiO • **Department of Musicology**
University of Oslo

Introduction

RITMO

TIME

Info

Motion Capture

–

Basic concepts of rhythm



UiO : RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion

Faculty of Humanities

[Home](#)[Publications](#)[News and events](#)[About the Centre](#)[People](#)

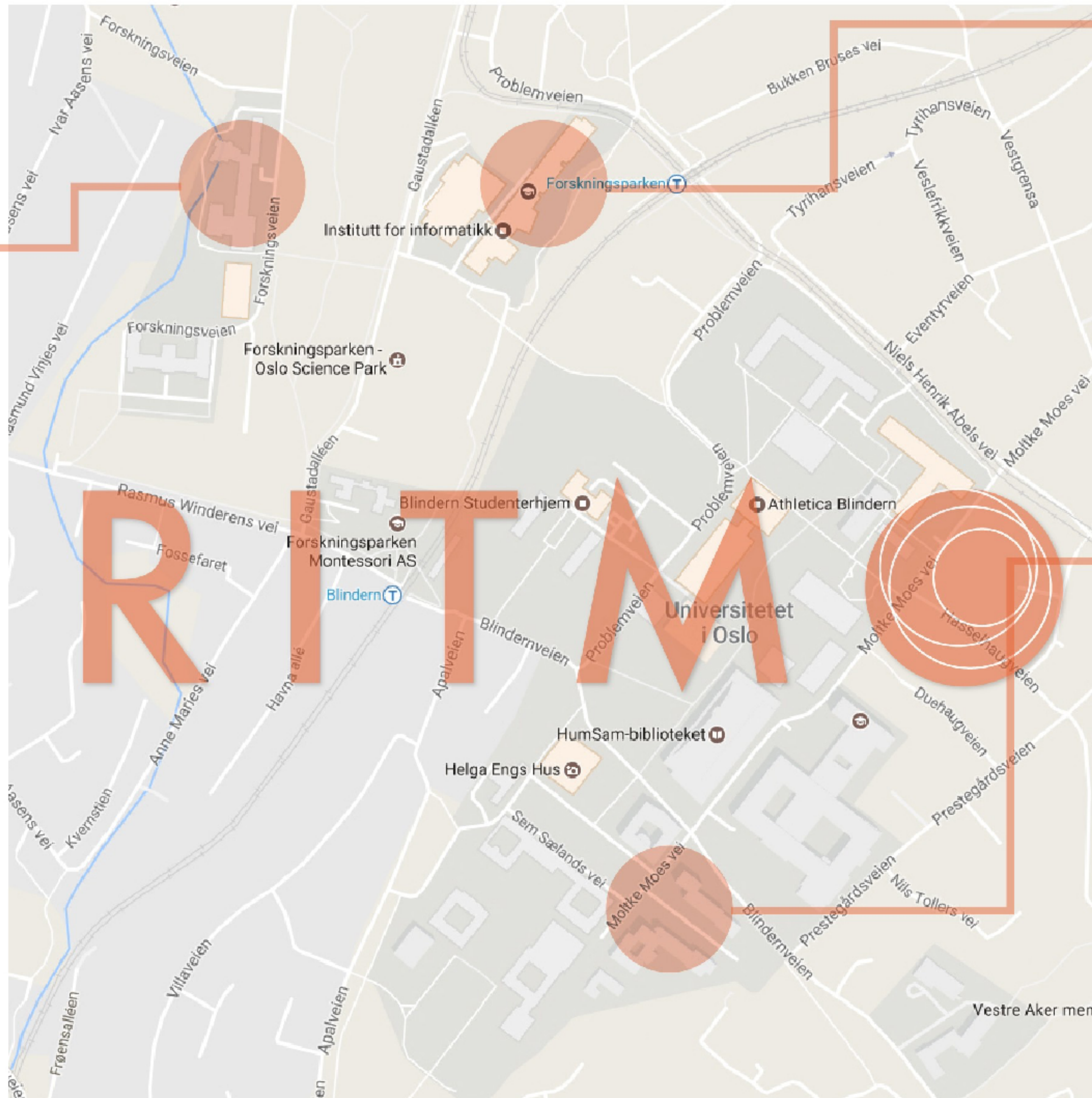
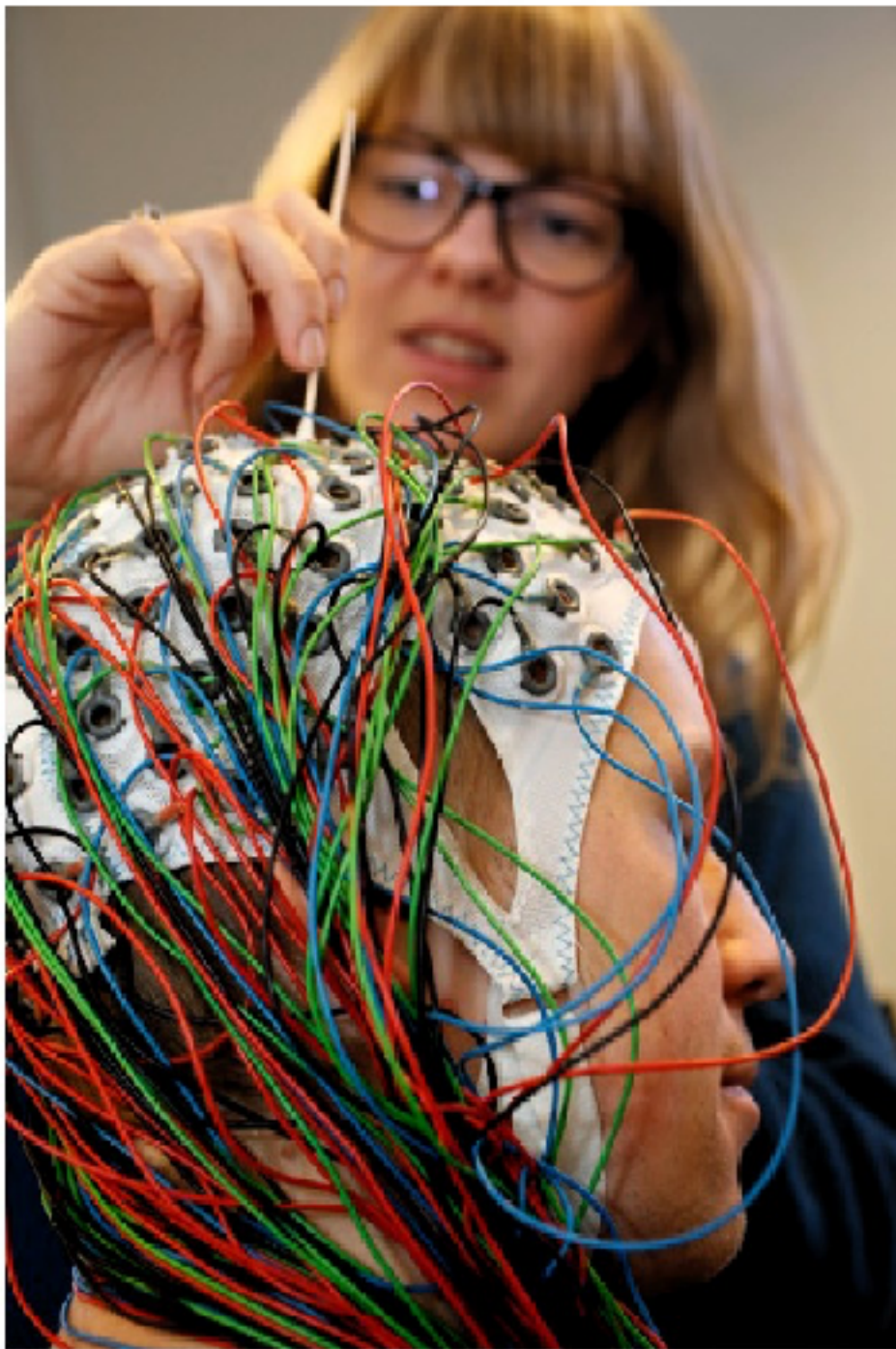
RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion

The vision behind RITMO is to reveal the basic cognitive mechanism(s) underlying human rhythm, using music, motion and audiovisual media as empirical points of departure.

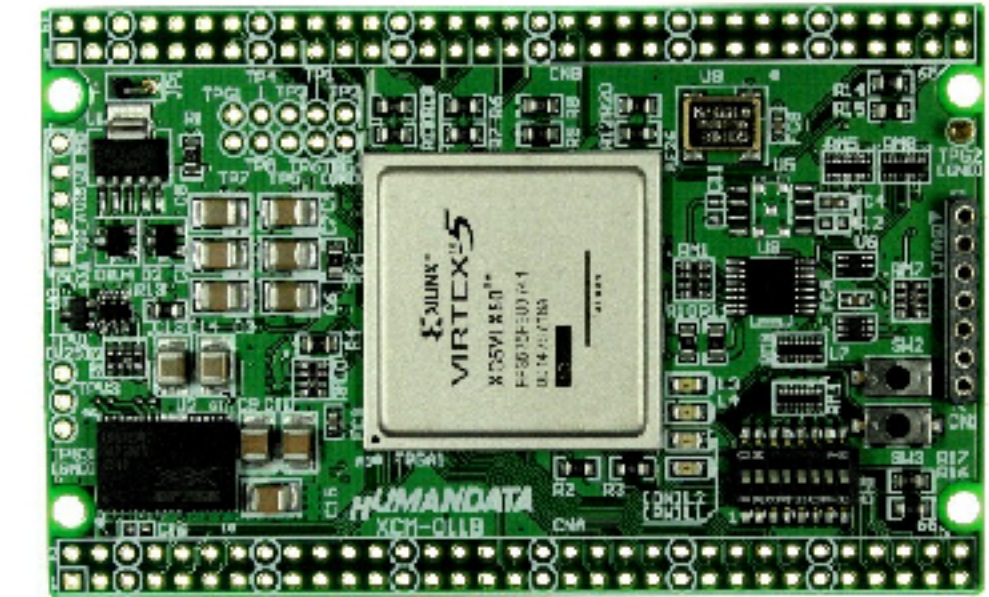
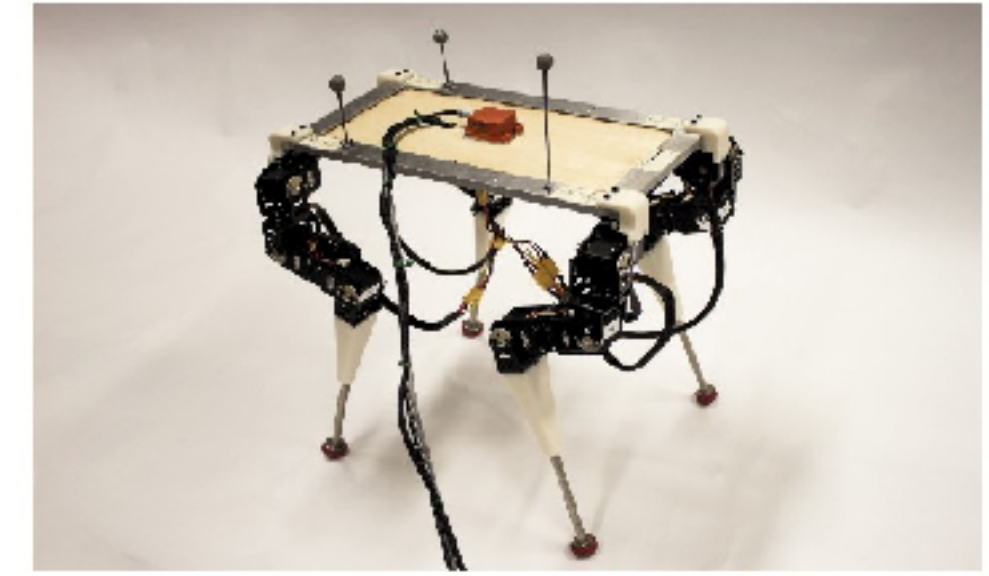
The research will be highly interdisciplinary, combining methods from musicology, psychology and informatics to study rhythm as a fundamental property that shapes and underpins human cognition, behaviour and culture.

RITMO is organized under the [Department of Musicology](#) at the Faculty of Humanities, in close collaboration with the [Department of Psychology](#) at the Faculty of Social Sciences and the [Department of Informatics](#) at the Faculty of Mathematics and Natural Sciences.

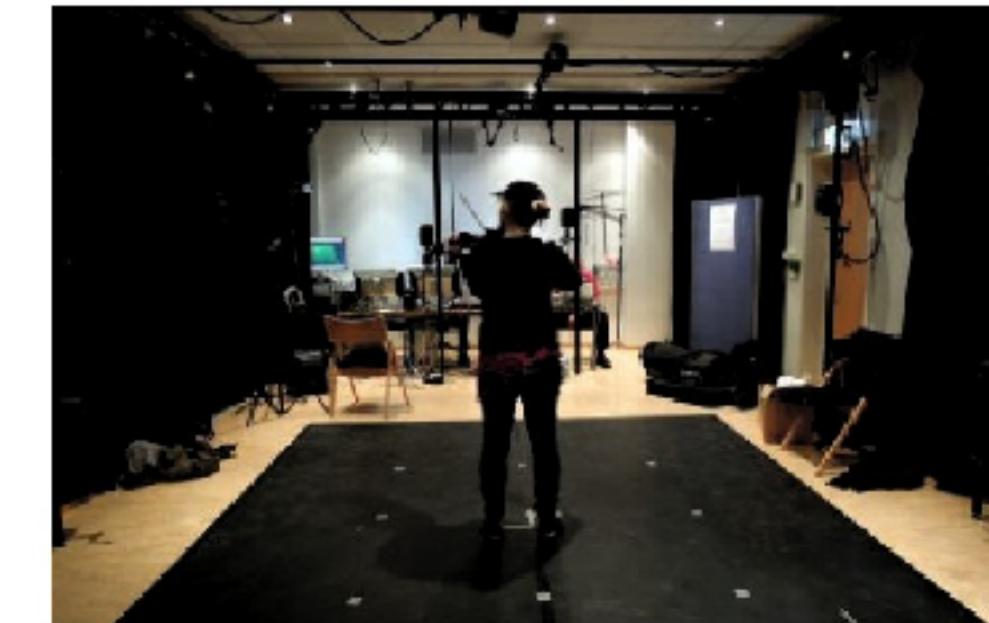
Psychology



Informatics



Musicology





News and events

Events

Seminars

• 2018

Seminars

Upcoming



April Seminar

Time and place: Apr. 17, 2018 1:15 PM - 3:00 PM, [Forsamlingssalen, Harald Schjeldrups hus](#)

[Add to calendar](#)

The RITMO Seminar Series is a monthly forum for sharing new research.



May Seminar

Time and place: May 8, 2018 1:15 PM - 3:00 PM, [Forsamlingssalen, Harald Schjeldrups hus](#)

[Add to calendar](#)

The RITMO Seminar Series is a monthly forum for sharing new research.



June Seminar

Time and place: June 12, 2018 1:15 PM - 3:00 PM, [Forsamlingssalen, Harald Schjeldrups hus](#)

[Add to calendar](#)

The RITMO Seminar Series is a monthly forum for sharing new research.

[Subscribe](#)

Schedule MUS2500/4500

	Date	Lecturer
1	18. Jan	G. Sioros & M. R. Haugen
2	25. Jan	A.R. Jensenius
3	1. Feb	A. Danielsen
4	8. Feb	G. Sioros
5	15. Feb	K. Nymoen
6	1. Mar	M. R. Haugen
7	15. Mar	M. R. Haugen
8	22. Mar	T. Endestad, B. Laeng, & A. Solbakk
9	5. Apr	G. Sioros
10	12. Apr	G. Sioros & M. R. Haugen
11	19. April	G. Sioros & M. R. Haugen
12	26. April	G. Sioros & M. R. Haugen

MUS2500/4500 – Lecturers



Alexander Refsum
Jensenius (IMV)

25/01

RITMO – Motion and
Machine: Rhythm in
biomechanical
systems.



Anne Danielsen (IMV)

01/02

The RITMO centre
and its principal
research topics



Kristian Nymoen
(IMV/IFI)

15/02

Attack Phase
Descriptors



Tor Endestad (PSY)



Bruno Laeng (PSY)

22/03

Mini seminar at the Department of Psychology



Anne-Kristin Solbakk
(PSY)



Research

Research projects

Timing and Sound in Musical Micro-rhythm (TIME)

Events

News

Participants

Publications

TIME – Timing and Sound in Musical Microrhythm

Norwegian

When does a beat actually happen in time? What part of the beat’s sound constitutes its temporal position, and how does this perception or judgment depend upon a listener’s music-cultural background?



Photo: Belo Horizonte, by Prefeitura de Belo Horizonte. License: (CC BY-SA 2.0) <https://creativecommons.org/licenses/by-sa/2.0/>

About the project

The project Timing and Sound in Musical Microrhythm (TIME) will conduct comparative investigations of four different rhythmic genres – jazz, electronic dance music, R&B/hip-hop and Scandinavian fiddle music – in order to gain new insights into the relationship between temporal and sound-related aspects of musical perception and performance. You can download the complete project description [here](#).

Contact

Anne Danielsen

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Participants

- [Anne Danielsen](#)
- [Ragnhild Brøvig-Hanssen](#)
- [Alexander Refsum Jensenius](#)
- [Kristian Nymoen](#)
- [Mari Romarheim Haugen](#)
- [Georgios Sioros](#)
- [Guilherme Schmidt Câmara](#)
- [Martin Torvik Langerød](#)
- [Bjørnar Sandvik](#)
- [Sigrid Traasdahl](#)
- [Mats Johansson](#)
- [Kjetil Klette Bøhler](#)
- [Georgina Born](#)
- [Sofia Dahl](#)
- [Justin London](#)
- [Carl Haakon Waadeland](#)

→ [Detailed list of participants](#)

TIME

Traditional musicianship ("played")	Jazz	Scandinavian fiddle music
Computer-based musicianship	EDM	Contemporary R&B/hip-hop

+ Samba

A: Interviews

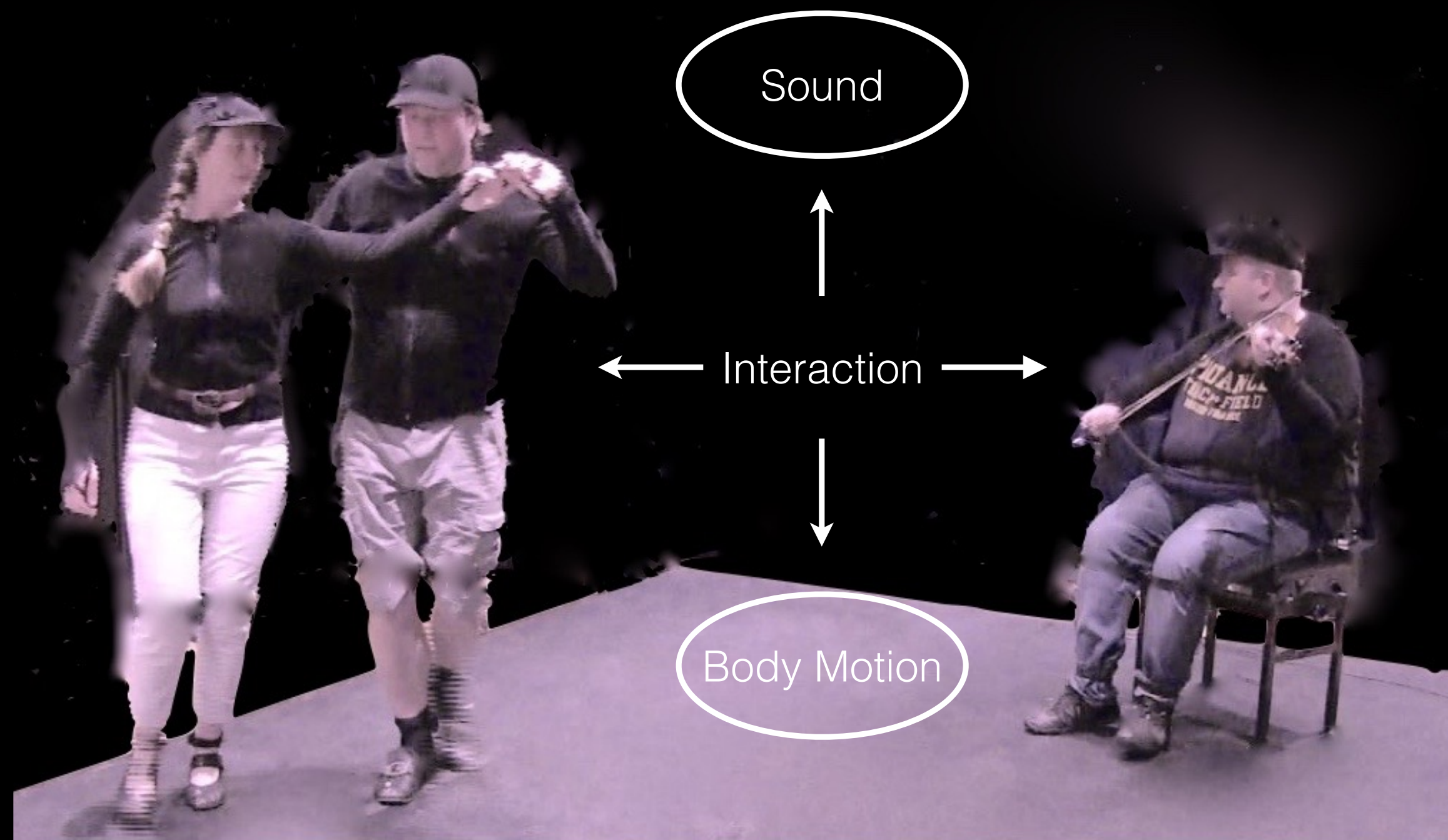
B: Music analysis/
interpretation

C: Experiments

D: Genre analysis

E: Cultural comparison

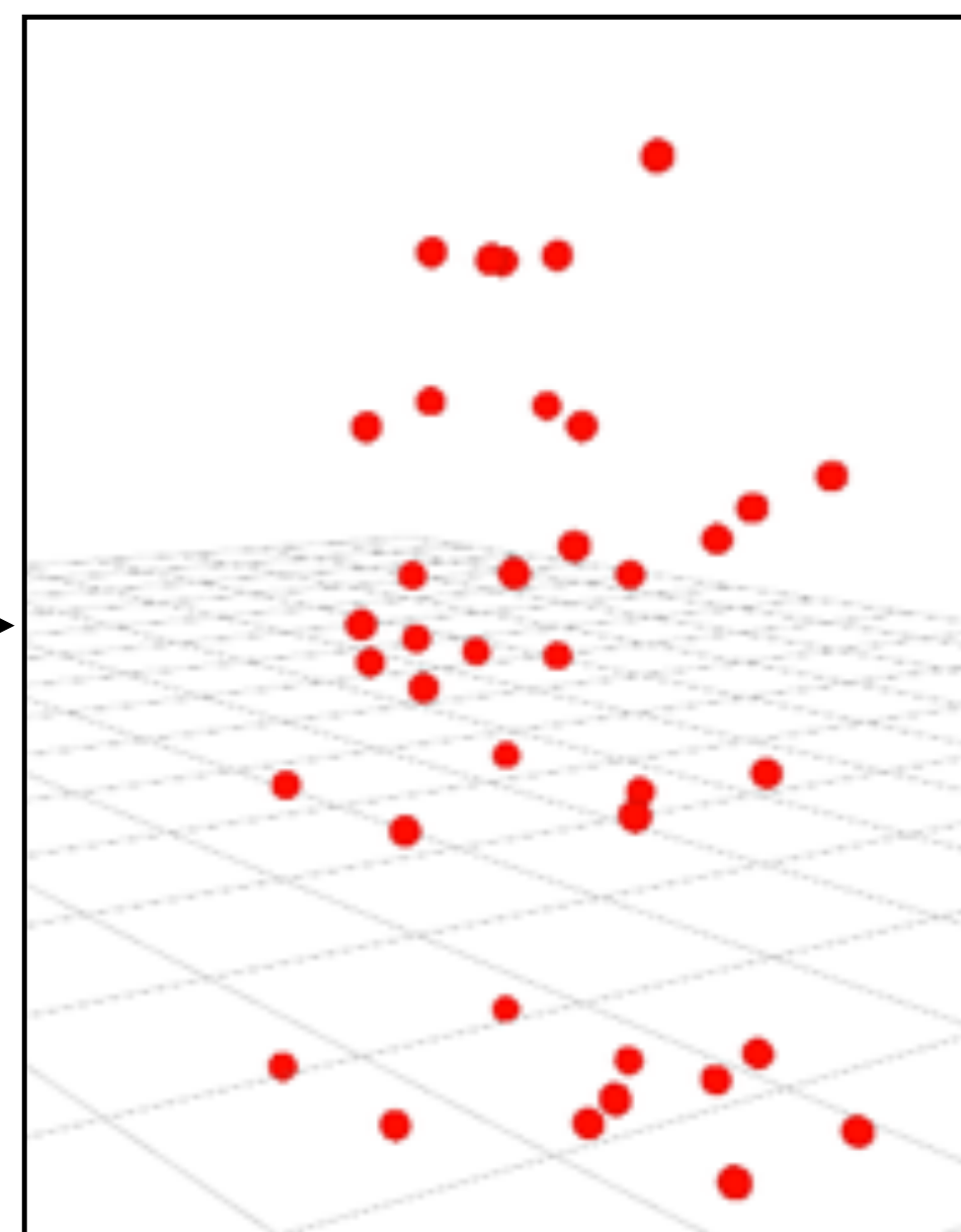
Music–Dance



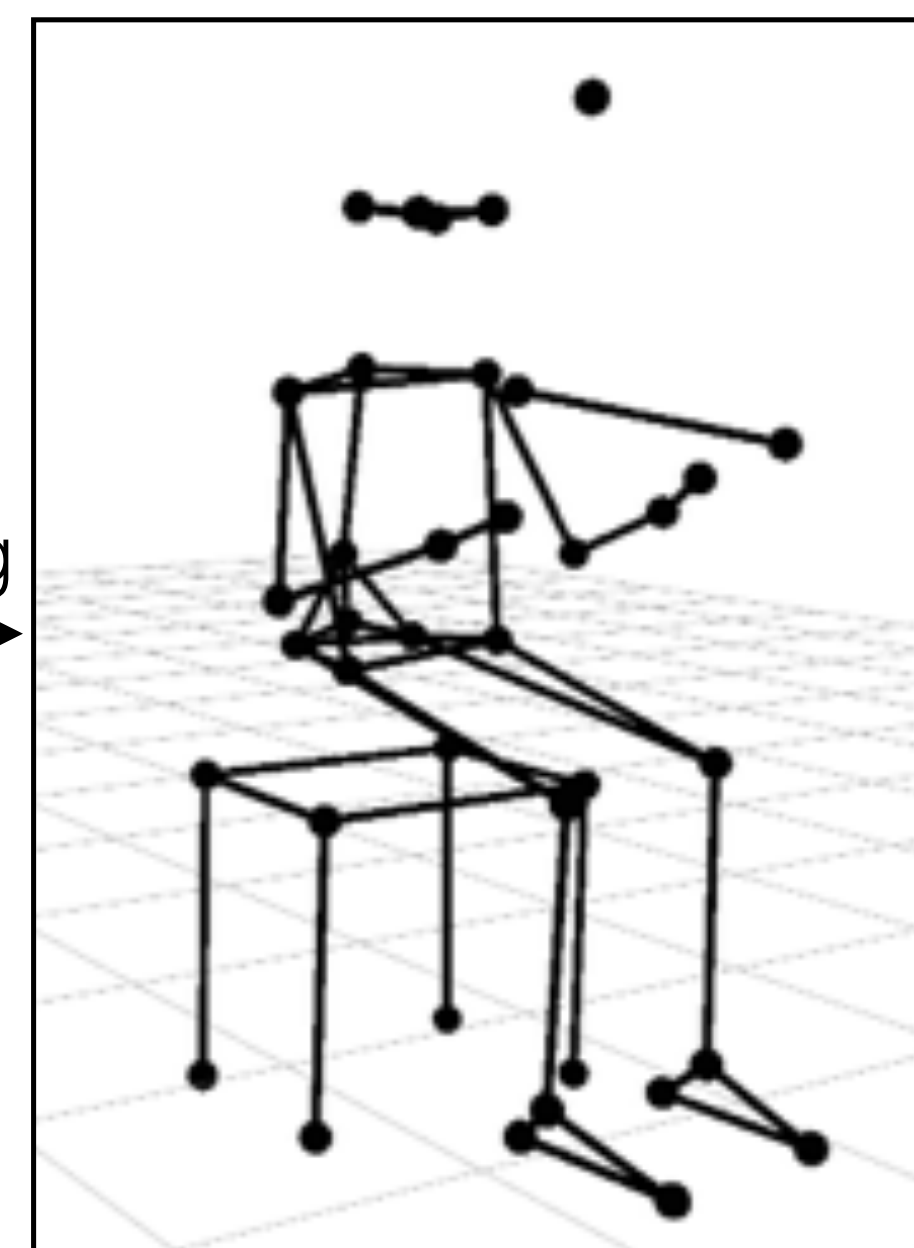
Motion Capture



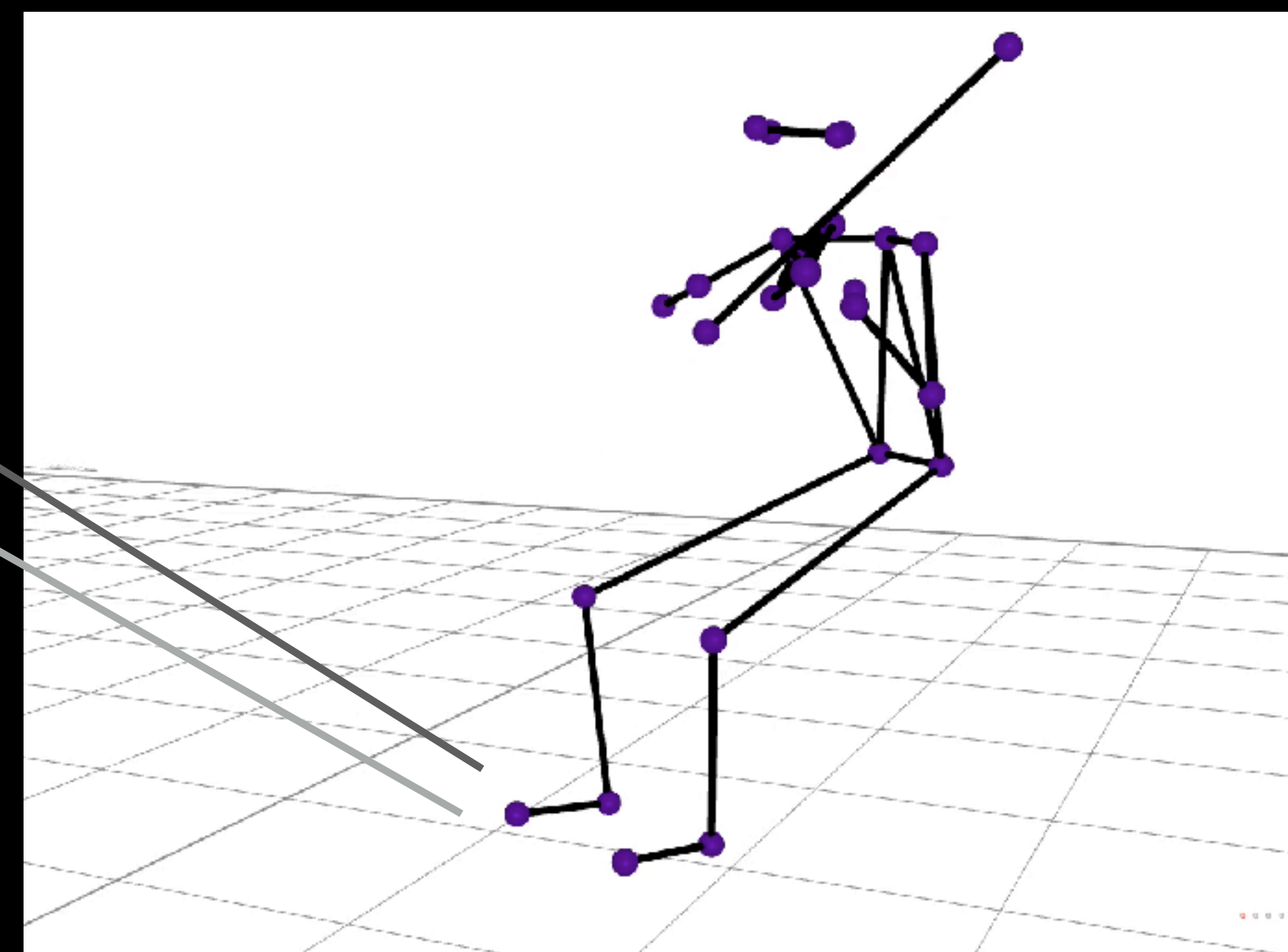
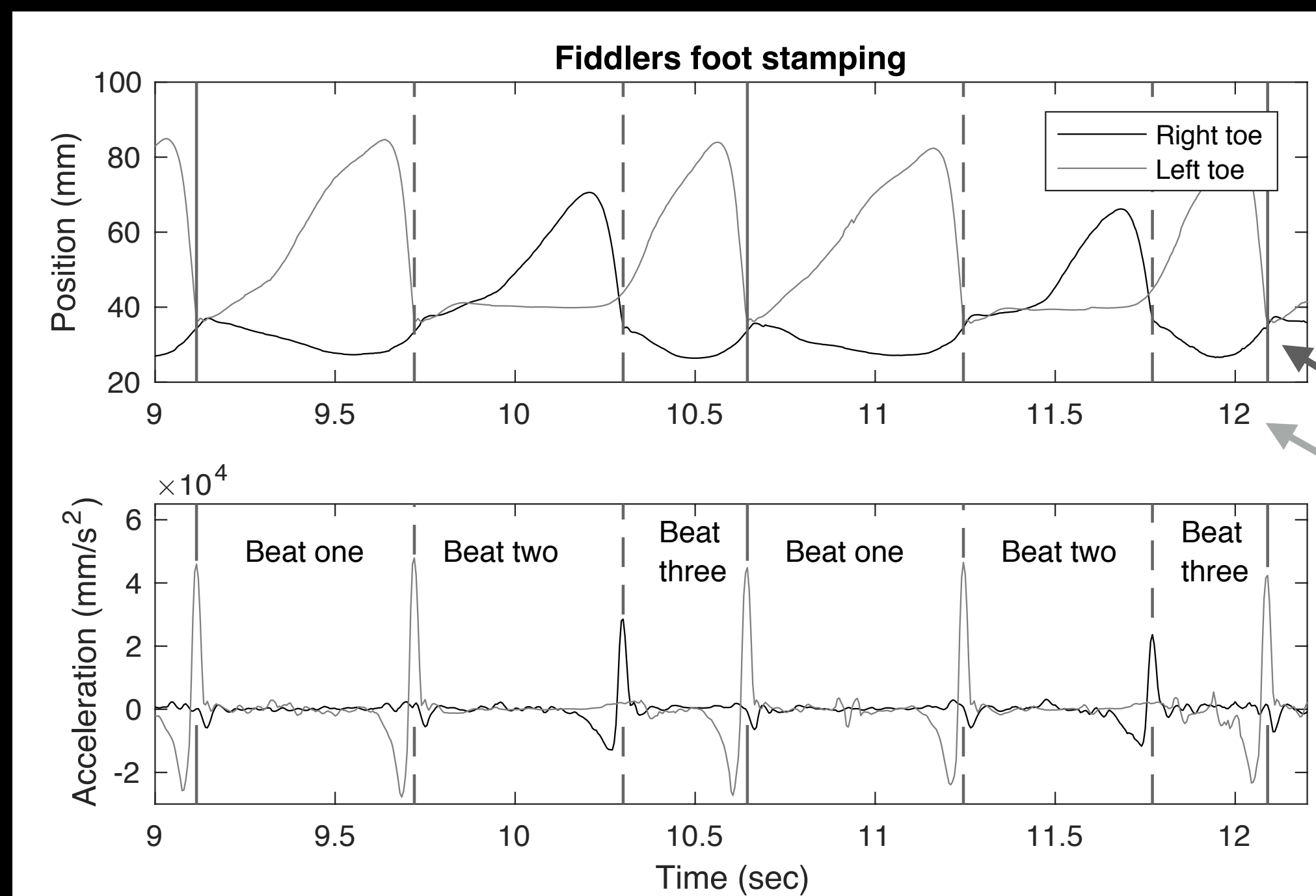
QTM



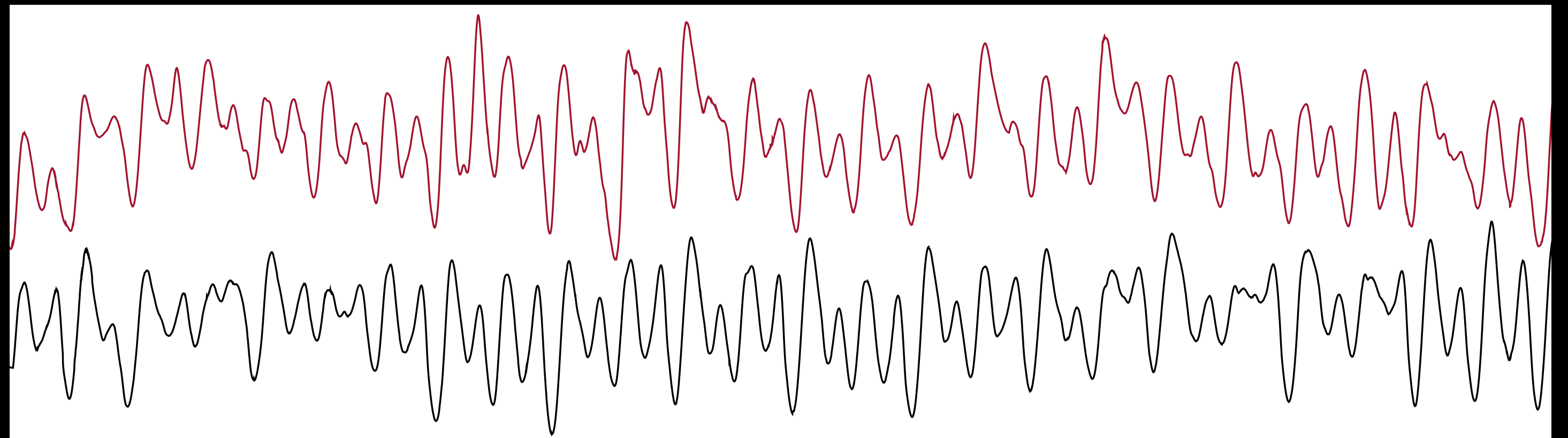
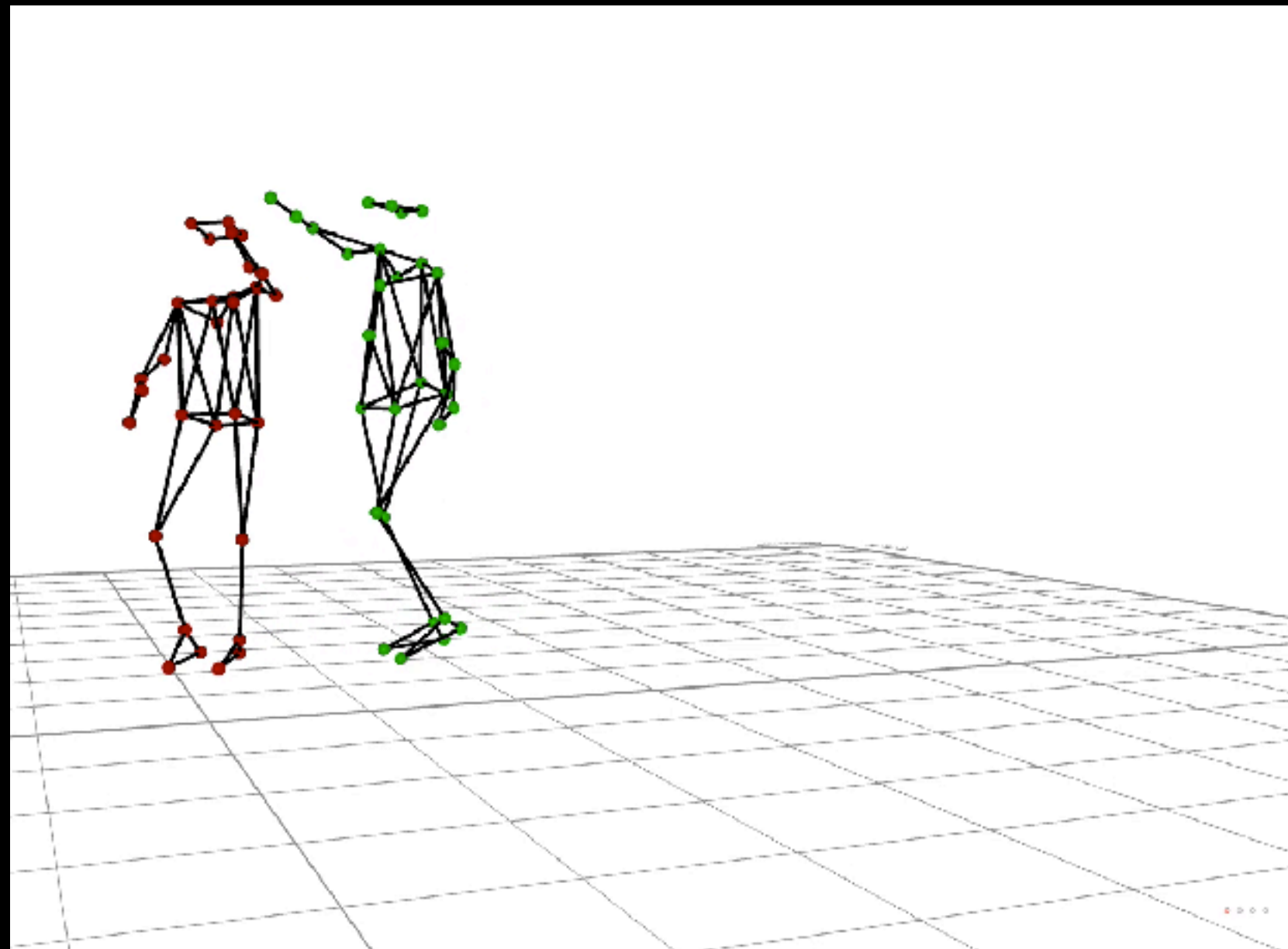
Post-Processing



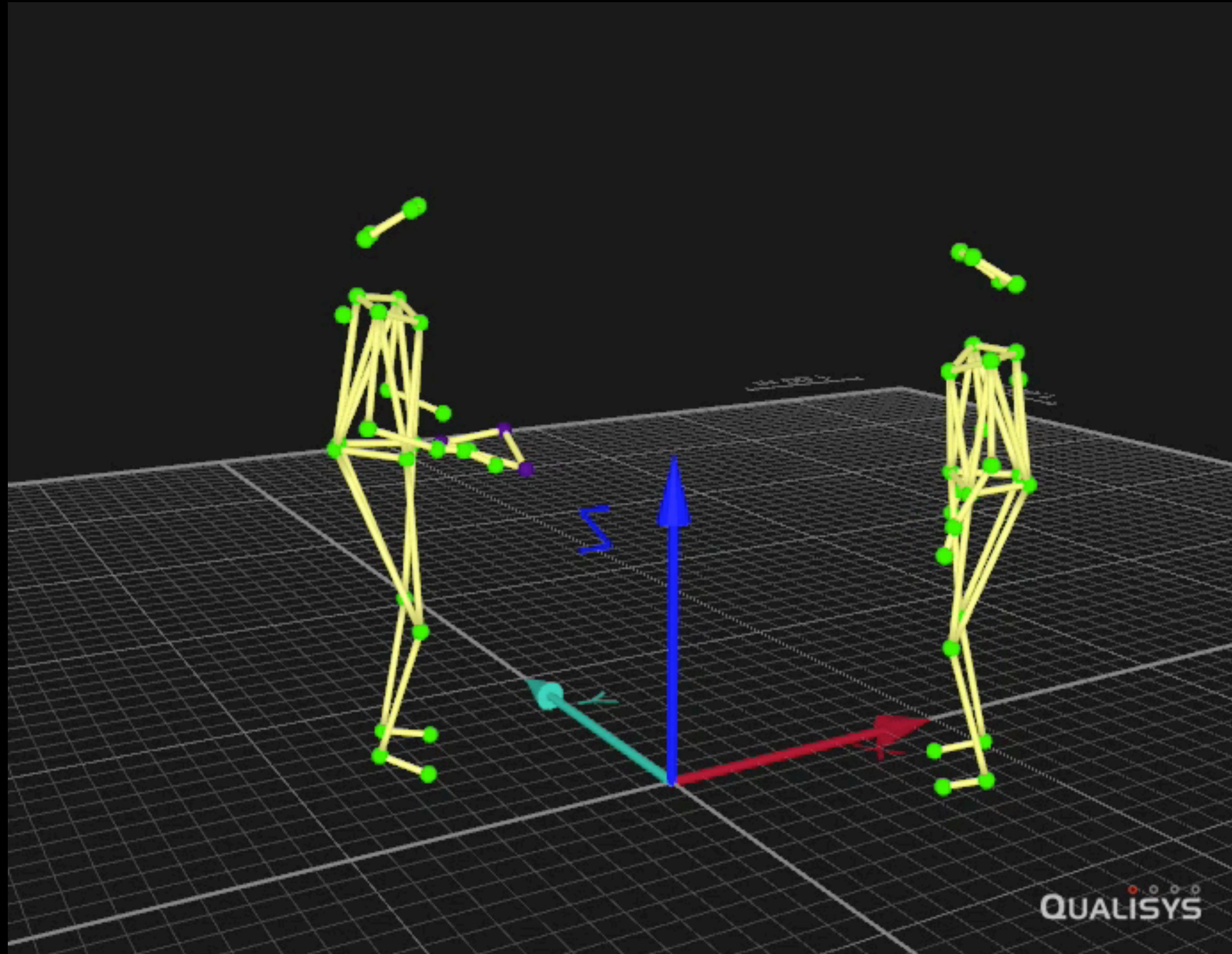
Norwegian Telespringar



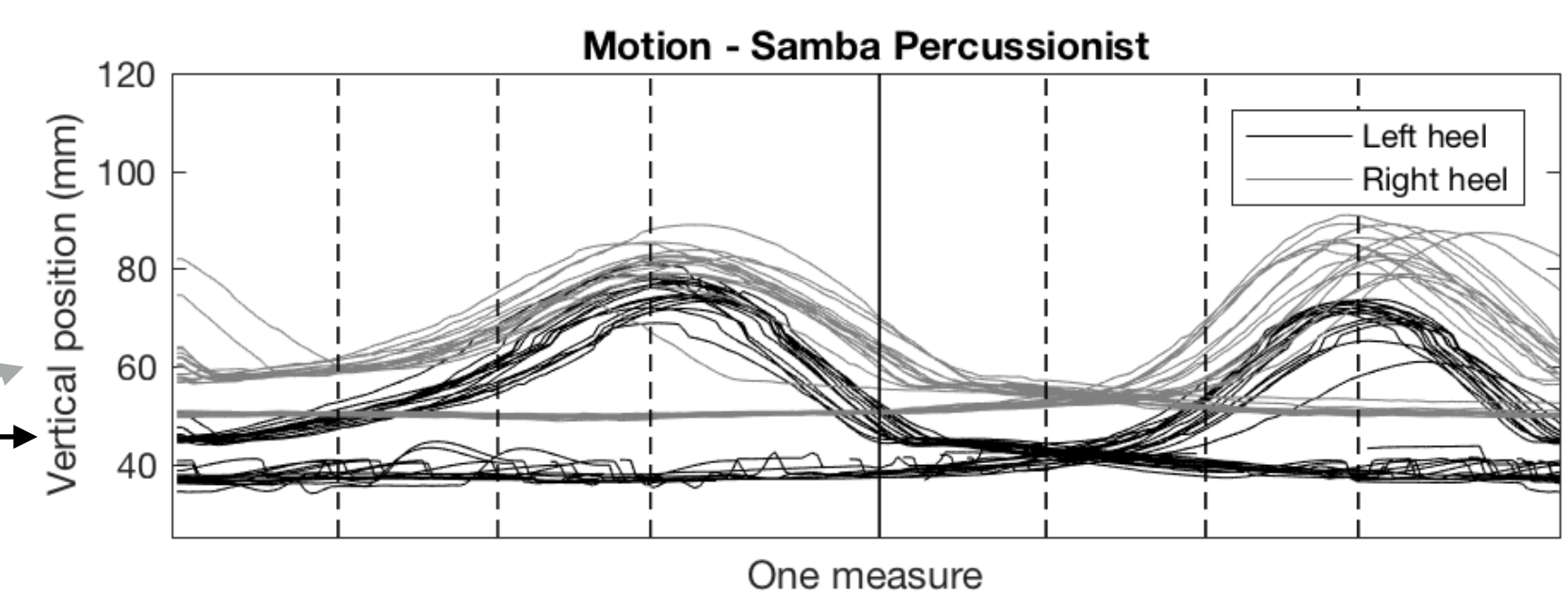
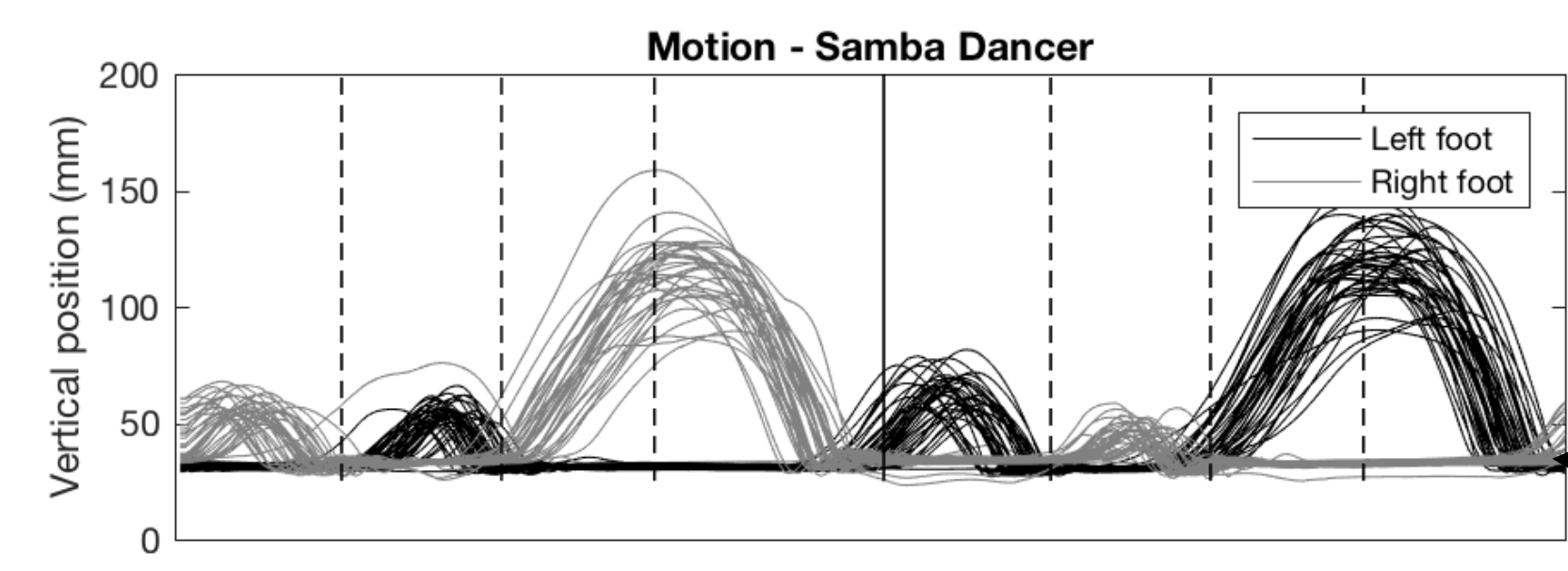
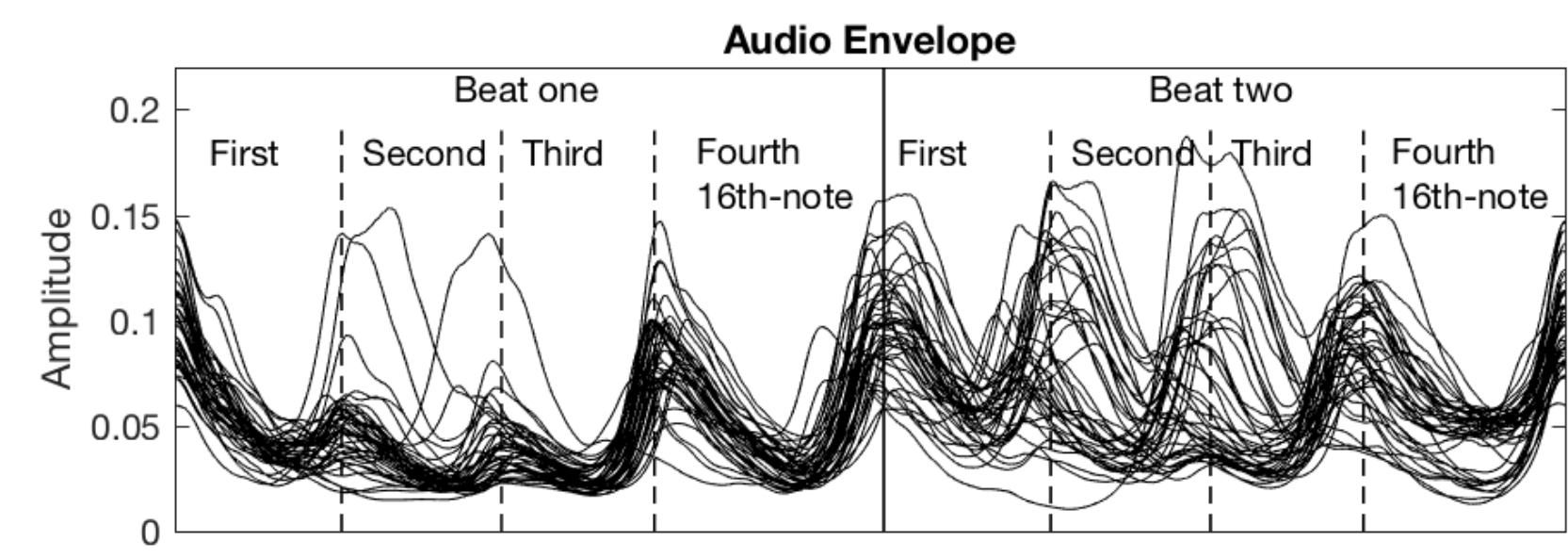
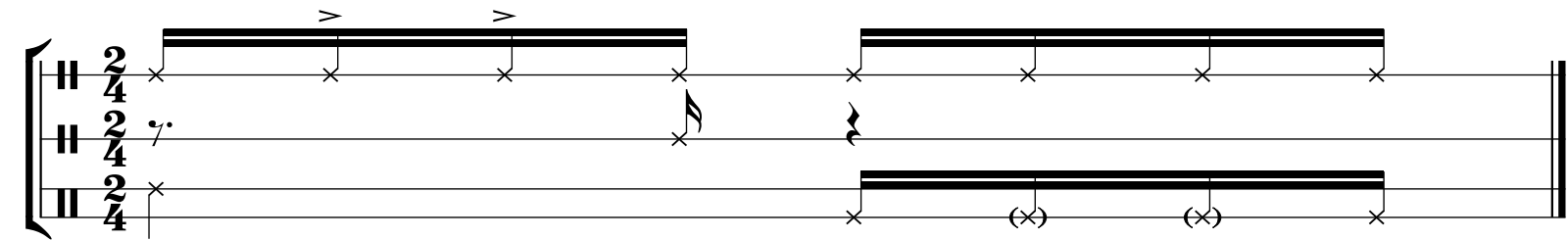
Norwegian Telespringar



Brazilian Samba



Brazilian Samba



One measure



Studier

Emner

Humanistiske fag

Musikkvitenskap

MUS2500

Spring 2018

< MUS2500 - Current musicological research - RITMO: Musical Rhythm, Time, and Motion

Semester page for MUS2500 - Spring 2018

Schedule >

Examination: Time and place >

Syllabus/achievement requirements >

Contact

Department of Musicology

Teachers

- Mari Romarheim Haugen
- Georgios Sioros
- Kristian Nymoan
- Anne-Kristin Solbakk
- Alexander Refsum Jensenius
- Anne Danielsen
- Tor Endestad
- Bruno Laeng

Messages

Welcome to MUS2500/4500 – RITMO: Musical Rhythm, Time, and Motion

Welcome to this exciting course on musical rhythm, time and motion. Topics will include rhythm theory, analytical approaches, and rhythm perception and cognition. The course will offer students a combination of scholarly approaches that draw from the traditions of musicology, music cognition, and computer science. It will balance a theoretical understanding of current musicological issues with practical experience in the methods and tools employed in research.

[Lectures and seminars](#) will take place on Thursdays (11:15–13:00) starting on January 18th.



Studier

Emner

Humanistiske fag

Musikkvitenskap

MUS4500

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MUS2500/4500 vertical hand motion to music

