





**Tutorial T1** Fundamentals of Music Processing: An Introduction using Python and Jupyter Notebooks

### Overview

### Meinard Müller, Frank Zalkow

International Audio Laboratories Erlangen mein ard. mueller@audiolabs-erlangen.de, frank.zalkow@audiolabs-erlangen.de





### Meinard Müller



- Mathematics (Diplom/Master)
- Computer Science (PhD)
- Information Retrieval (Habilitation)
- Since 2012: Professor for Semantic Audio Processing





- ISMIR Board Member since 2010 (currently President-Elect)
- IEEE Audio and Acoustic Signal Processing TC (2010 2016)
- Member of Senior Editorial Board, IEEE Signal Processing Magazine

## Frank Zalkow

- Musicology/Music Informatics (Bachelor)
- Music Informatics (Master)



- Since 08/2016: PhD student in MIR (supervisor: Meinard Müller)
- Improving Music Retrieval with Machine Learning
- Cross-Connections between Musicology and Computer Science
- Choir Singing

## **Group Members**

- Frank Zalkow
- Christof Weiß
- Michael Krause
- Sebastian Rosenzweig
- Hendrik Schreiber









### Former PhD Students

- Patricio López-Serrano
- Christian Dittmar
- Stefan Balke
- Thomas Prätzlich Jonathan Driedger
- Harald Grohganz
- Nanzhu Jiang















## International Audio Laboratories Erlangen

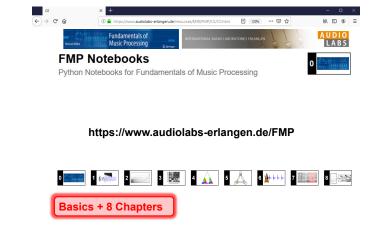
**Audio** 

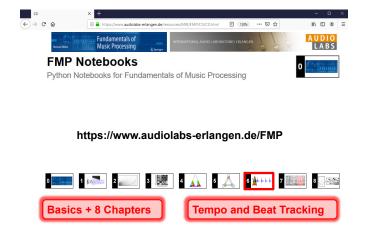




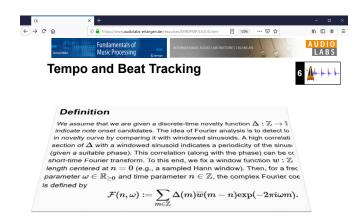


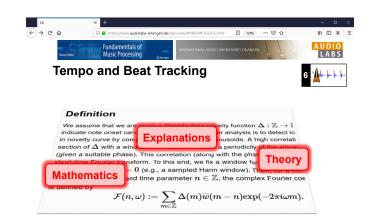




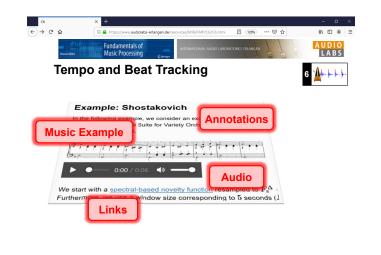


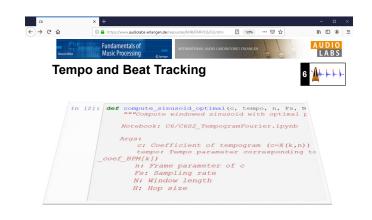


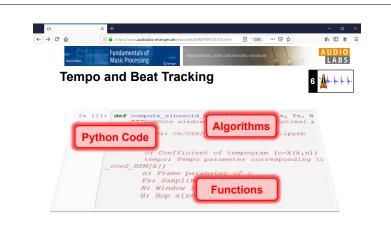


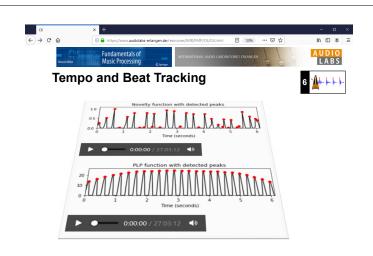


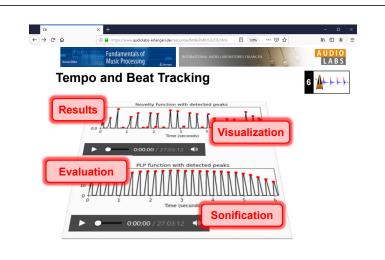




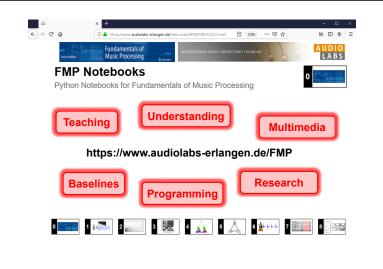




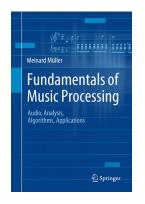








## Book: Fundamentals of Music Processing



Meinard Müller Fundamentals of Music Processing Audio, Analysis, Algorithms, Applications 483 p., 249 illus., hardcover ISBN: 978-3-319-21944-8 Springer, 2015

Accompanying website: www.music-processing.de

# Book: Fundamentals of Music Processing



Meinard Müller Fundamentals of Music Processing Audio, Analysis, Algorithms, Applications 483 p., 249 illus., hardcover ISBN: 978-3-319-21944-8 Springer, 2015

Accompanying website: www.music-processing.de