



HfM FRANZ LISZT Weimar | Institut für  
Musikwissenschaft Weimar-Jena

Studienprofil Geschichte des Jazz und der populären  
Musik

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## DIG THAT LICK: ANALYSING LARGE-SCALE DATA FOR MELODIC PATTERNS IN JAZZ PERFORMANCES

Gefördert durch die Deutsche Forschungsgemeinschaft (DFG)

Förderdauer: zwei Jahre; Beginn: 1. Oktober 2017

Projekt-Homepage: [dig-that-lick.eecs.qmul.ac.uk](http://dig-that-lick.eecs.qmul.ac.uk)

Projekt im Rahmen der DIGGING INTO DATA CHALLENGE 2017

<https://diggingintodata.org/awards/2016/project/dig-lick-analysing-large-scale-data-melodic-patterns-jazz-performances>

- Simon Dixon (PI), Queen Mary University of London, UK
- Krin Gabbard, Columbia University, USA
- H el ene-Camille Crayencour, National Center for Scientific Research (CNRS), France
- Geoffroy Peeters, Institute for Research and Coordination in Acoustics/Music (IRCAM), France
- Martin Pfeleiderer, University of Music Franz Liszt, Weimar, Germany
- Gabriel Solis, University of Illinois Champaign Urbana, USA
- Tillman Weyde, City University of London, UK

The recorded legacy of jazz spans a century and provides a vast corpus of data documenting its development. Recent advances in digital signal processing and data analysis technologies enable automatic recognition of musical structures and their linkage through metadata to historical and social context. Automatic metadata extraction and aggregation give unprecedented access to large collections, fostering new interdisciplinary research opportunities.

This project aims to develop innovative technological and music-analytical methods to gain fresh insight into the jazz history by bringing together renowned scholars and results from several high-profile projects. Musicologists and computer scientists will together create a deeper and more comprehensive understanding of jazz in its social and cultural context. We exemplify our methods via a full cycle of analysis of melodic patterns, or "licks," from audio recordings to an aesthetically contextualised and historically situated understanding.

## Leitung Teilprojekt Weimar

### **Prof. Dr. Martin Pfeiderer**

Professor für Musikwissenschaft, Geschichte des Jazz und der populären Musik  
Projektleitung "Musikobjekte der populären Kultur"  
Projektleitung "Computergestützte Musikanalyse"

Hochschulzentrum am Horn  
Raum: 310

@ [martin.pfeiderer@hfm-weimar.de](mailto:martin.pfeiderer@hfm-weimar.de)

📞 03643 | 555 225

▶ [Weitere Informationen zur Person](#)



## Wissenschaftliche Mitarbeiter

### **Berndt Klinke**

Lehrbeauftragter für Jazz-Flöte

@ [berndt.klinke@hfm-weimar.de](mailto:berndt.klinke@hfm-weimar.de)

### **Dr. Klaus Frieler**

### **Frank Höger, MA**

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