

Workshop on Audio Signal Processing for Computational Musicology (WASP-CM)

Organised by

Dept. of Electrical Engg., I.I.T. Bombay
& SPARC, Govt. of India



**December 2-6, 2019
at I.I.T. Bombay**

Computational Musicology is an interdisciplinary area involving the application of computing methods to analyze music corpora and gain possibly new insights about the musical genre. While sheet music has provided the basis for most Western music studies, Indian classical traditions can benefit from advances in digital audio processing. Audio signal processing provides representations of music that can be compared and studied to obtain valuable insights about performance practice. This workshop will cover audio signal processing for melody and rhythm analyses and corpora design, and further, address the development of tools for musicological analyses of concert recordings. The final day will host a panel discussion with eminent musicians on identifying questions in Indian musicology that can benefit from empirical studies using the tools.

Speakers

Prof. Meinard Müller	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Prof. Martin Clayton	Department of Music, University of Durham
Prof. Xavier Serra	Music Technology Group, UPF Barcelona

Topics

- Content-based Music Retrieval
- Audio Features
- Music Corpora and Datasets
- Python Programming for Audio Analyses
- Tools for Computational Musicology
- Empirical Musicology for Indian Classical Genres

Workshop Coordinator

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Expected background

Participants are expected to have a strong background (3+ years of undergraduate curriculum) in two or more of the following: programming, signal processing, music. Researchers and musicians with an interest in technology are welcome.

Visit the workshop URL for more details: <https://wasp-cm.github.io/>