

Call for Papers

ACM Transactions on Intelligent Systems and Technology ([ACM TIST](#)) Special Issue on *Intelligent Music Systems and Applications*

With the advent of music information retrieval (MIR), intelligent technologies have become an essential part of music systems and applications. This is evidenced by today's omnipresence of digital online music stores and streaming services, which rely on music recommenders, automatic playlist generators, and music browsing interfaces. A large amount of MIR research leading to intelligent music applications deals with the extraction of musical and acoustic information directly from the audio signal using signal processing techniques. Other strategies exploit contextual aspects of music, not present in the signal, for example, community meta-data and trails of user interaction, as found, for instance, on social media platforms. Recently, also user-centric aspects are being considered, such as affect, personality, and user context. Intelligent music systems have also been developed as music creation tools, in which case the modeling of a composer's preferences or of genre/stylistic features are required.

Topics of Interest

This special issue addresses all aspects of music information, i.e., music content, context, and user aspects. Highest quality research that has not been published, nor is under review elsewhere, targeting one or more of the following topics in the context of intelligent music systems and applications is welcome:

- Music Information Systems
- Music Recommendation and Playlist Generation
- Intelligent Music and Audio Browsing Interfaces
- Games Based on Intelligent Music Analysis
- Automatic Accompaniment or Real-time Tracking of Performances
- Music Synthesis
- Automatic Composition
- Automatic Lyrics Generation
- MIR in the Music Production Domain
- Semantic Content Analysis, Knowledge Extraction, and Music Indexing
- Collaborative Tags, Social Media Mining, Network Analysis
- User Modeling and Personalized Music Systems
- Personality, Emotion, and Affect
- Hybrid Systems using Content and Context
- Multimedia Approaches to MIR and Cross-media Recommendation
- Large-Scale Music Retrieval
- Evaluation, Mining of Ground Truth, and Data Collections

Schedule

Paper submission due: October 31, 2015, ~~September 27, 2015~~

Notification after first review cycle: December 20, 2015

Paper revisions deadline: February 21, 2016

Final notification: April 24, 2016

Submission of camera-ready paper: May 22, 2016

Manuscript Submission

Please submit your manuscript through the ACM TIST submission system at <http://mc.manuscriptcentral.com/tist> (select "Special Issue: Intelligent Music Systems and Applications" as the manuscript type). Submissions must adhere to the ACM TIST instructions and guidelines for authors available at <http://tist.acm.org/authors.html>.

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