

Call for Papers

Special Issue on

User Modeling for Personalized Interaction with Music

To appear in

User Modeling and User-Adapted Interaction (UMUAI) - The Personalization Journal

Motivation and Scope

Music search, retrieval, and recommendation systems have experienced a boom during the past few years due to streaming services providing access to huge catalogs anywhere and anytime. These streaming services collect the user behavior in terms of actions on music items, such as play, skip, playlist creation and modification. As a result, an abundance of user and usage data has been collected and is available to companies and academics, allowing for user profiling and to create personalized music search and recommendation systems.

The importance and timeliness of research on such personalized music systems is evidenced by publications in venues including RecSys, UMAP, ISMIR, CHI, and IUI, as well as in journals including IEEE Transactions on Affective Computing and ACM Transactions on Intelligent Systems and Technology.

On the other hand, there are still plenty of unsolved challenges. In particular, scholars have identified as some of the most vital ones: user understanding and modeling, personalization of recommendation and retrieval systems, user adaptivity in interfaces, and context-awareness.

This Special Issue will establish a high-impact forum for latest research on *user modeling and personalization for finding, making, and interacting with music*. We invite researchers from both academia and industry to submit their original excellent research results on these topics.

Topics

The following represents a non-exhaustive list of topics. We solicit manuscripts covering all aspects of user modeling for adaptive and personalized music algorithms and applications, in particular for music search and recommendation. These include, but are not limited to the following general categories: *models of music consumption, algorithms for personalization and recommendation, interfaces and interaction, and evaluation.*

Example topics belonging to one or more of these categories include the following:

- multi-modal modeling of music items, users, and context
- personalized preference elicitation and preference learning (such as multi-modal acquisition of user feedback and interaction data)
- psychological modeling of music listeners (personality, emotion, etc.)
- social aspects in listening behavior (e.g., for group recommenders)
- cultural aspects in modeling music listeners (language, values, beliefs, etc.)
- exploitation vs. exploration: diversity, novelty, serendipity in applications
- personalized playlist generation and continuation
- personalized music creation applications
- personalized music education applications
- personalized gamification in music interfaces
- novel personalized visualization paradigms
- conversational music search systems
- personalization of live music experiences
- studies on individual and social music listening consumption behavior
- studies on perception of music and perceptual music similarity
- novel evaluation methods for music retrieval and recommender systems
- datasets for personalizing music retrieval and recommendation (together with baseline results and use cases)

If you are unsure whether your topics fits, please contact the guest editors.

Schedule

Deadline for extended abstracts	June 1, 2018
Notification about extended abstracts	June 15, 2018
Deadline for full manuscript submission	July 31, 2018
Notification 1 st cycle	October 8, 2018
Deadline for revised manuscripts	November 25, 2018
Notification 2 nd and final cycle	January 13, 2019
Deadline for camera-ready manuscripts	March 3, 2019

Submission

Authors must submit an extended abstract via [EasyChair](#) by the deadline indicated above. It must be at most 3 pages long, not counting references, and formatted according to the [journal template](#). The guest editors of the special issue will then screen all submitted extended abstracts and will invite authors of submissions that pass this screening to submit a full manuscript to be submitted via the [journal's submission system](#).

Guest editors

Markus Schedl, Department of Computational Perception, Johannes Kepler University Linz, Austria, markus.schedl@jku.at

Peter Knees, Faculty of Informatics, TU Wien, Austria, peter.knees@tuwien.ac.at

Marko Tkalčič, Faculty of Computer Science, Free University of Bozen-Bolzano, Italy, marko.tkalcic@unibz.it