



Music is an outstanding example of a content type with many different, complimentary representations in multiple modalities. Each of these contribute to the way in which music is conveyed and experienced. Furthermore, the consumption of music is strongly guided by affective and subjective responses, which are personal and context-dependent, occur at different conceptual specificity levels, and for which no universal, uncompromising ground truth exists. Thus, in order for music retrieval systems to yield satisfying results, insight into the information needs and demands of the actual users of the systems becomes very important.

To allow comprehensive and flexible exploitation of the multifaceted aspects of music, both the availability of **complementary music-related information in multiple modalities** and **the role of the human user** should be considered. At the same time, challenges such as the identification and optimal combination of useful information from different modalities and algorithmic approaches to user-dependent subjective assessments of music retrieval results still are largely unsolved. These challenges are certainly not unique to music content, but actual and prevalent in the broad multimedia community.

The MIRUM workshop, held on **November 2, 2012** in conjunction with **ACM Multimedia 2012** in Nara, Japan, provides a platform at a premier multimedia venue for discussing open challenges and presenting state-of-the art work on music information retrieval adopting **user-centered** and **multimodal** strategies. The workshop explicitly aims to initiate a cross-disciplinary idea exchange between experts in the fields of music and multimedia information retrieval (and other related fields) on the topics including, but not limited to:

- Music multimedia content analysis
- Visual and sensory information for music processing
- Multimodal music search, retrieval and recommendation
- Social networks and indexing for music applications
- Music similarity measures at different specificity levels
- Fusion of multimodal music information sources
- Music knowledge representation and reasoning
- Interactive music systems and retrieval
- (Adaptive) user interaction and interfaces
- User (context) models and personalization
- Real-world issues (unstructured and noisy data, scalability, formats, ...)
- Evaluation methods and data understanding
- Cross-domain methodology transfer

MIRUM welcomes **technical papers** and a limited number of **position papers** (both max. 6 pages) with novel, thought-provoking work and ideas relating to the workshop topics. In addition, **extended abstracts for technical demonstrations** (max. 2 pages) are solicited. Accepted contributions will be presented in oral sessions and in a dedicated demo session. Position papers should consider visionary ideas based on a solid argumentation, and technical demonstrations should consider demonstrably working systems. In all cases, there should be clear relevance to the workshop focus areas.

All submissions must be formatted according to the ACM Proceedings style and contain original work that is not being published or under review elsewhere. Each submission will undergo a **double-blind** reviewing process by at least 3 PC members. All accepted papers will be published together with the ACM Multimedia 2012 main conference proceedings and will be made available through the ACM digital library.

#### Workshop organization

Cynthia Liem, Delft University of Technology  
 Meinard Müller, Bonn University & MPI Informatik  
 Steve Tjoa, iZotope, Inc.  
 George Tzanetakis, University of Victoria

#### Important dates

Workshop paper submission: ~~June 29~~ **July 4, 2012**  
 Notification of acceptance: ~~July 24~~ **July 29, 2012**  
 Camera-ready submission: August 15, 2012  
 ACM Multimedia 2012: October 29 - November 2, 2012  
 MIRUM workshop: November 2, 2012

For more information, please consult the workshop website: <http://mirum12.tudelft.nl>

