Metadata and Ontologies in Musicology:

Advancing Heritage Preservation and Research in Digital Humanities

As part of MTSR 2024 - 18th International Conference on Metadata and Semantics Research

Co-organized by
The Library of the School of Law,
Library and Information Centre, National and Kapodistrian University of Athens

Event Details:

- **Date:** Tuesday, November 19, 2024

- **Time:** 9:00 (EEST)

- **Location:** Library of the School of Law, National and Kapodistrian University of Athens (NKUA), Solonos 104, Athina 106 80. Google Maps Location

Please note that attendance for the Special Session and Workshop is limited. To secure your spot, kindly complete the following registration form:

Registration Form. (https://melos-project.gr/el/form/workshop-mtsr24)

Special Requirements: Participants are encouraged to bring their own laptops to fully engage with the workshop activities.

- **Cost:** Free of charge

- **Certification:** All attendees will receive a certificate upon completion of the workshop.

Programme Overview

- **9:00 – 10:00   Arrival – Registration - Welcome (EEST time zone) – Tea, Coffee, and Pastries -**

- **10:00 – 10:40   Paper Presentations**

- **10:40 – 14:00   Workshop (with coffee break)**

We are pleased to announce the organization of a dedicated track and workshop as part of the *MTSR 2024 - 18th International Conference on Metadata and Semantics Research*, set to take place on November 19, 2024, in Athens. This track will center on *Music Metadata and Ontologies*, offering a deep dive into the latest advancements and challenges in the field.

The workshop will feature the research project «*Greek Music Audiovisual Collections' (M.E.L.O.S.)*», an innovative collaboration between the Music Studies Departments of three Greek universities—University of Macedonia, University of Ioannina, and Aristotle University of Thessaloniki—alongside «The Friends of Music Society», Greece's largest music library, and AltSol, a leading technology partner.

Programme

10:00 – 10:40   Presentation of Papers

A Greek Music Audiovisual Collections platform: presentation of the open source ReasonableGraph platform for music collections.

Pantelis Brattis, Emmanouel Garoufallou, Evgenios Politis, Niki Maria Chatziefstratiou, Petros Vouvaris, Evangelia Spyrakou, Thalia Adelfopoulou, Giorgos Kokkonis, Nikos Ordoulidis, Giorgos Evangelou, Emilios Cambouropoulos, Asterios Zacharakis, Savvas Kazanis, Vera Kriezi, Valia Vraka, Silia Papachatzopoulou, Mirena Mountzia, Kostas Maistrelis, Simos Leonidakos, Nikos Papazis, Pavlos Siskos.

Creation of a music ontology in the framework of the project Greek Music Audiovisual Collections (M.EL.O.S.)

Pantelis Brattis, Emmanouel Garoufallou, Evgenios Politis, Pavlos Siskos, Petros Vouvaris, Evangelia Spyrakou, Thalia Adelfopoulou, Giorgos Kokkonis, Nikos Ordoulidis, Giorgos Evangelou, Emilios Cambouropoulos, Asterios Zacharakis, Savvas Kazanis, Vera Kriezi, Valia Vraka, Silia Papachatzopoulou, Mirena Mountzia, Kostas Maistrelis, Simos Leonidakos, Nikos Papazis, Niki-Maria Chatziefstratiou.

10:40 – 14:00 Presentation of Workshop

10:40 – 12:00 Workshop – Part A

12:00 – 12:30 Coffee break

12:30 – 13:50 Workshop – Part B

13:50 – 14:00 Closing

Workshop Title:
«*Presentation of the Collaborative Network of the M.E.L.O.S. Project: Specialized Music Ontologies, Crowdsourcing, and Other Innovations*»

This 3-hour workshop will be led by the M.E.L.O.S. team. It will offer participants an in-depth look into M.E.L.O.S. project methodologies, specifically focusing on the creation of

specialized music ontologies, the use of crowdsourcing for enhancing metadata, and the integration of innovative tools to foster musicological research.

We anticipate at least 20 attendees, who will gain insights into the practical applications of metadata and ontologies in the preservation and study of music heritage, particularly Greek musical collections. This session promises to be an engaging opportunity for participants to explore the intersections of metadata, musicology, and digital humanities.

The workshop will provide an interactive platform for participants to explore and engage with the methodologies and tools developed in the M.E.L.O.S. project. By focusing on metadata, ontologies, and digital archiving practices in music, this workshop aims to address current challenges and opportunities in musicological research and heritage preservation.

Workshop Objectives:

1. **Introduction to Specialized Music Ontologies**

The workshop will introduce participants to the ontologies developed for the M.E.L.O.S. project, which allow for the semantic organization of complex music metadata. These ontologies support the classification and retrieval of diverse music resources, including scores, recordings, performances, and biographical data. By understanding these models, participants will gain insights into structuring their own datasets using adaptable, multi-dimensional metadata models tailored to music's unique ontological aspects.

2. **Exploration of Crowdsourcing in Metadata Enrichment**

This session will showcase how crowdsourcing initiatives within the M.E.L.O.S. project facilitate public engagement and metadata enrichment. Participants will learn about the design and implementation of crowdsourced data collection strategies, enabling them to harness community contributions for comprehensive metadata development and improved accessibility in digital music archives.

3. **Demonstrating Interoperability and Integration in Digital Archiving**

Using the ReasonableGraph platform and other tools, the workshop will examine how M.E.L.O.S. achieves interoperability between distinct musical collections and institutions. By demonstrating these digital tools, the workshop will guide participants through linking disparate music databases, enhancing discoverability and data sharing across various music and cultural archives.

4. **Engagement with Practical Applications and Use Cases**

Through hands-on exercises, participants will engage with real data from the M.E.L.O.S. collections, applying the discussed ontologies and metadata structures to practice linking and categorizing resources. This practical application of theory to data will equip attendees with tangible skills for managing music metadata and digital archives in their own projects.

Workshop Benefits:

1. **Enhanced Understanding of Metadata and Ontologies in Music**

Attendees will leave with a deeper understanding of how specialized ontologies can be used to describe, categorize, and link diverse types of music-related data, making it more accessible for research and public engagement. This understanding is crucial for digital archivists, musicologists, librarians, and metadata specialists seeking to optimize their digital collections.

2. **Skills in Leveraging Crowdsourcing for Data Enrichment**

The workshop will highlight practical strategies for crowdsourcing, giving participants tools and techniques to engage the community in metadata enrichment. This approach not only broadens participation but also strengthens the richness and accuracy of metadata in large-scale cultural heritage projects.

3. **Knowledge on Interoperability for Cross-Institutional Projects**

Participants will benefit from learning how to implement interoperability frameworks that allow collections from different institutions to interact seamlessly. This knowledge is essential for institutions aiming to contribute to larger digital networks or develop interconnected databases.

4. **Hands-On Experience with M.E.L.O.S. Digital Tools and Platforms**

Through guided activities, attendees will gain hands-on experience using the ReasonableGraph platform and M.E.L.O.S. ontologies, building practical skills that they can apply directly to their own work in digital archiving, musicology, and metadata management.

5. **Networking and Knowledge Sharing Among Professionals**

This workshop will serve as a networking opportunity for professionals across fields, including musicology, digital archiving, and metadata. Participants will have the chance to share insights, discuss challenges, and collaborate on future projects, fostering a community of practice around metadata and ontologies in music and cultural heritage.

This workshop will provide a comprehensive foundation in advanced metadata and ontology practices for music collections, giving participants the tools and knowledge to implement and expand these practices within their own institutions and projects.

The session will be also streamed online via Zoom.