

MTSR 2024
18th International Conference on Metadata and Semantics Research
Athens, 19 - 22 November 2024

The conference will be held at the [‘Ioannis Drakopoulos’ Amphitheatre](#)
National and Kapodistrian University of Athens
[30 Panepistimiou Str.](#), Athens, Greece

MTSR 2024 Conference is in Eastern European Time (EET)

Tuesday, 19th November 2024

The Special Session on Tuesday 19th November will take place at the Library of the School of Law, National and Kapodistrian University of Athens (NKUA), Solonos 104, Athina 106 80. [Google Maps Location](#)

9:00 – 10:00	Arrival Tea, Coffee, and Pastries
10:00	Day Conference Welcome, Chairing by Emmanouel Garoufallou (General Chair) International Hellenic University
Special Track and Workshop	Metadata and Ontologies in Musicology: Advancing Heritage Preservation and Research in Digital Humanities <i>As part of MTSR 2024 - 18th International Conference on Metadata and Semantics Research</i> Co-organized by The Library of the School of Law, National and Kapodistrian University of Athens
10:00 – 10:20	A Greek Music Audiovisual Collections platform: presentation of the open source ReasonableGraph platform for music collections. <i>Pantelis Brattis, Emmanouel Garoufallou, Evgenios Politis, Niki Maria Chatziefstratiou, Petros Vouvaris, Evangelia Spyrou, 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.</i>

10:20 – 10:40	<p>Creation of a music ontology in the framework of the project Greek Music Audiovisual Collections (M.EL.O.S.)</p> <p><i>Pantelis Brattis, Emmanouel Garoufallou, Evgenios Politis, Pavlos Siskos, Petros Vouvaris, Evangelia Spyrou, 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.</i></p>
10:40 – 12:00	<p>Workshop Title: «Presentation of the Collaborative Network of the M.E.L.O.S. Project: Specialized Music Ontologies, Crowdsourcing, and Other Innovations»</p> <p>Part A <i>Pantelis Brattis, Evangelia Papadaki, Nikos Papazis and Emmanouel Garoufallou</i></p> <ul style="list-style-type: none"> • Location: Library of the School of Law, National and Kapodistrian University of Athens (NKUA), Solonos 104, Athina 106 80. Google Maps Location <p>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-mts24)</p> <p>Special Requirements: Participants are encouraged to bring their own laptops to fully engage with the workshop activities.</p> <ul style="list-style-type: none"> • Cost: Free of charge • Certification: All attendees will receive a certificate upon completion of the workshop. <p>The session will be also streamed online via Zoom.</p>
12:00 – 12:30	<p>Coffee break Tea, Coffee, Snacks and Pastries</p>
12:30 – 13:50	<p>Workshop – Part B <i>Pantelis Brattis, Evangelia Papadaki, Nikos Papazis, Emmanouel Garoufallou, Evgenios Politis, Giorgos Kokkonis, Nikos Ordoulidis, Giorgos Evangelou, Spilios Kounas, Savvas Kazanis and Kyriaki Balta</i></p>
13:50 – 14:00	Closing - Networking

Wednesday, 20th November 2024

9:00 – 10:00	Arrival Tea, Coffee, Snacks and Pastries
10:00 – 10:20	Conference Welcome by Dr. Nikolaos Thomaidis Professor of Analytical Chemistry, Vice President of the Management Board of the National and Kapodistrian University of Athens Emmanouel Garoufallou (General Chair) International Hellenic University Michalis Sfakakis (General Chair) Ionian University Christos Papatheodorou (General Chair) National and Kapodistrian University of Athens Matthew Damigos (Local Chair MTSR 2024) Ionian University
	Metadata, Semantics and Ontologies (General Session) – Open Repositories, Research Information Systems and Data Infrastructures Chaired by Matthew Damigos
10:20 – 10:40	Towards a Knowledge Graph for Models and Algorithms in Applied Mathematics. <i>Björn Schembera, Frank Wübbeling, Hendrik Kleikamp, Burkhard Schmidt, Aurela Shehu, Marco Reidelbach, Christine Biedinger, Jochen Fiedler, Thomas Koprucki, Dorothea Iglezakis and Dominik Goeddeke.</i>
10:40 – 11:00	Cross-referencing Metadata through an extension of the MEDFORD language. <i>Polina Shpilker, Benjamin Stubbs, Michael Sayers, Lenore Cowen, Shaun Wallace, Noah Daniels and Alva Couch</i>
11:00 – 11:20	JobHive: A Semantic Path-Based Platform for E-Recruitment Recommendation. <i>Hakim Mokeddem, Mama Saadia Benelhadj Djelloul and Mohammed Dhiya Eddine Gouaouri</i>
11:20 – 11:40	Developing data sets for training OCR/HTR systems for the late 19 th century Greek texts. <i>Georgios Roukas and Michail Sfakakis</i>
11:40 – 12:00	Modeling Modern and Historical Data as a Knowledge Graph: A Case Study for Earthquake Data. <i>Iosif Oikonomakis, Pavlos Fafalios, Michalis Mountantonakis and Yannis Tzitzikas</i>

12:00 – 12:20	Mid-Morning Break Tea, Coffee, Snacks and Home baked biscuits
	Metadata, Semantics and Ontologies (General Session) – Open Repositories, Research Information Systems and Data Infrastructures Chaired by Kata Ágnes Szűcs
12:20 – 12:40	A RAG Approach for Generating Competency Questions in Ontology Engineering. <i>Xueli Pan, Jacco van Ossenbruggen, Victor de Boer and Zhisheng Huang.</i>
12:40 – 13:00	A Proposed Methodology for Sub-Ontology Development in Comprehensive Scientific Investigation Methods and Tooling. <i>Maria Ioanna Maratsi, Nina Gialoussi, Charalampos Alexopoulos and Yannis Charalabidis</i>
13:00 – 13:20	Aligning Data Management Plans with Community Standards using FAIR Implementation Profiles. <i>Navroop K. Singh, Shuai Wang, Angelica Maineri, Tycho Hofstra, Mark Bruyneel, Stephanie van de Sandt, Ronny Siebes, Jacco van Ossenbruggen and Tobias Kuhn</i>
13:20 – 13:40	A Health Tourism Ontology Framework for Versatile Applications. <i>Sofia Gkevrekí, Vasiliki Fiska, Spiros Nikolopoulos and Ioannis Kompatsiaris</i>
13:40 – 14:30	--- Lunch ---
	Metadata, Semantics and Ontologies (General Session) – Open Repositories, Research Information Systems and Data Infrastructures Chaired by Shuai Wang
14:30 – 14:50	Making Sense of Metadata Mess: Alignment & Risk Assessment for Diatom Data Use Case <i>Kio Polson, Marina Potapova, Uttam Meena, Chad Peiper, Joshua Brown, Joshua Agar and Jane Greenberg.</i>
14:50 – 15:10	DATA-FW: An Ontology Network for Annotating Open Datasets. <i>Antoine Dupuy, Cassia Trojahn, Nathalie Aussenac-Gilles and Christophe Baehr</i>
15:10 – 15:30	🌐 Representation Learning on IoT Knowledge Graphs. <i>Roderick van der Weerd, Victor de Boer, Laura Daniele, Ronald Siebes and Frank Van Harmelen.</i>
15:30 – 15:50	From Digitised Manuscript to Database: Automatic Processing of Civil Registers Automatic Processing of Civil Registers. <i>Kata Ágnes Szűcs, Noémi Vadász, Zsolt Záros, Zoltan Szatucsek and Zsolt Bánki (poster presentation)</i>
15:50- 16:00	Closing Remarks by <i>Michalis Sfakakis</i>
16:00 – 16:30	Coffee Break Tea, Coffee, Snacks and Home baked biscuits

Thursday, 21st November 2024

9:00 – 9:30	Arrival Tea, Coffee, Snacks and Pastries
	Digital Humanities, European and National Projects, Digital Libraries, Information Retrieval, Big, Linked, Social & Open Data Chaired by Jane Greenberg
9:30 – 9:50	The semantics of emotion: Exploring Synonym Rings to evaluate emotive contexts in translations across Sinhala and English. <i>Malithi Alahapperuma and Andreas Vlachidis</i>
9:50 – 10:10	Ontological approaches to morphological semantics in Modern Greek derivation. <i>Nikos Vasilogamvrakis, Michalis Sfakakis, Maria Koliopoulou and Giannoula Giannouloupoulou</i>
10:10 – 10:30	Metadata-driven Cross-Infrastructure Integration between Solid Earth and Marine sciences in the GEO-INQUIRE project. <i>Kety Giuliacci, Daniele Bailo, Rossana Paciello, Jan Michalek, Valerio Vinciarelli, Manuela Sbarra, Marco Salvi and Enoc Martinez</i>
10:30 – 10:50	The Convergence of Open Data, Linked Data, Ontologies, and Large Language Models: Enabling Next-Generation Knowledge Systems. <i>Andrea Cigliano and Francesca Fallucchi</i>
10:50 – 11:10	Semantic enrichment of metadata in the Rede Bibliodata. <i>Ana Carolina Novaes de Mendonça and Ana Carolina Arakaki</i>
11:10 – 11:30	Mid-Morning Break Tea, Coffee, Snacks and Home baked biscuits
	Agriculture, Food & Environment, and General Session Chaired by Tiziana Pasciuto
11:30 – 11:50	Vector Spaces Model: A Knowledge Integration Method for Research on Linkage Relationships in Agricultural Science and Technology. <i>Miaoling Chai, Xian Zhang, Yawei Tang and Dawa Zhuoma</i>
11:50 – 12:10	Towards MatCore: A Unified Metadata Standard for Materials Science. <i>Jane Greenberg, Pamela Boveda-Aguirre, John Allison, Pietro Asinari, Maria Chan, Anand Chandrasekaran, Elif Ertekin, Emmanouel Garoufallou, Giulia Galli, Paolo Giannozzi, Feliciano Giustino, Gerhard Goldbeck, Hendrik Heinz, Arthi Jayaraman, Vincenzo Lordi, Kristin Persson, Gian-Marco Rignanese, Aidan Thompson, Eric Toberer, Scott McClellan and Ellad Tadmor</i>

12:10 – 13:10	<p style="text-align: center;">Keynote Speaker:</p> <p style="text-align: center;">Professor Timos Sellis Director, Archimedes Research Unit on AI, Data Science and Algorithms, "Athena" Research Center, Athens, Greece</p> <p style="text-align: center;">Keynote title: <i>“Data curation for Intelligent, Reliable and Responsible decision-making systems”</i></p> <p style="text-align: center;">Chaired by Christos Papatheodorou</p>
13:10 – 14:00	<p style="text-align: center;">--- Lunch ---</p>
	<p style="text-align: center;">Cultural Collections & Applications Chaired by Michalis Sfakakis</p>
14:00 – 14:20	Building a transliteration tool to enhance the exchange of metadata about Greek authors. <i>Charalampos Bratsas, Lazaros Ioannidis, Ilias Tsitsilegkas, Michalis Gerolimos, Eftychia Koufakou and Sofia Zapounidou</i>
14:20 – 14:40	CTP Ontology: An Ontology for Creating and Structuring Cultural Thematic Paths. <i>Tiziana Pasciuto, Riccardo Albertoni and Roberta Maggi</i>
14:40 – 15:00	Applying new standards to legacy data for semantic interoperability and multilingualism: a case study at the National Library of Greece. <i>Sofia Zapounidou, Michalis Gerolimos, Eftychia Koufakou and Giorgos Veranis</i>
15:00 – 15:20	Ontological Patterns for Modelling Art Exhibitions. <i>Nicola Carboni</i>
15:20 – 15:40	On the interoperability between Archival and Library Authorities. <i>Aggeliki Drakopoulou, Leonidas Papachristopoulos and Christos Papatheodorou.</i>
15:40 – 15:50	Closing Remarks by <i>Jane Greenberg</i>
15:50 – 16:30	<p style="text-align: center;">Afternoon Tea Tea, Coffee, Snacks and Mini cakes</p>
	<p style="text-align: center;">Gala Dinner - Central Athens</p>
20:00-22:30	<p>The conference dinner will be held at the Kostis Palamas’ Hall of NKUA, Kostis Palamas Building, 48 Akadimias Str. & Sina Str. https://maps.app.goo.gl/aXZofK1yeNqSTVaBA</p> <p style="text-align: center;">During the gala dinner will take place the Best Paper and Best Student Paper Awards Ceremony Sponsored by EuroCRIS: The International Organisation for Research Information</p>

Friday, 22nd November 2024

9:00 – 10:00	Arrival Tea, Coffee, Snacks and Pastries
	8th DOABLE (Papers for Libraries, Archives, Museums), General Session and Digital Libraries, Information Retrieval, Big, Linked, Social & Open Data Chaired by Ioana Cornelia Cristina Crihană
10:00 – 10:20	 The Use-Case of Enhanced AEON in Education. <i>Cornelia Veja and Christoph Schindler</i>
10:20 – 10:40	IFLA LRM and Interoperability: mapping metadata of National Libraries. <i>Ana Carolina Novaes de Mendonça, Fernanda Farinelli, Felipe Augusto Arakaki and Ana Carolina Arakaki (poster presentation)</i>
10:40 – 11:00	Public libraries - aggregators of new and reusable knowledge resources for the users' creative development. <i>Ioana Cornelia Cristina Crihană</i>
11:00 – 11:20	The integration of the Pinakes Model to the IFLA Library Reference Model. <i>Ana Carolina Novaes de Mendonça, Ana Carolina Arakaki, Bruno Costa, Dayane Machado and Greicy Santos</i>
11:20 – 12:00	Mid-Morning Break Tea, Coffee, Snacks and Home baked biscuits
12:00 – 12:30	Final remarks – Closing ceremony Chaired by Emmanouel Garoufallou International Hellenic University Christos Papatheodorou National and Kapodistrian University of Athens
12:30 – 13:30	--- Lunch --- & Farewell