MTSR 2026 CONFERENCE PROGRAMME

20th International Conference on Metadata and Semantics Research

16-20 November 2026

Bucharest, Romania

Monday, 16 November 2026

	Metadata and Data in Practice: Knowledge Organisation, Cultural Heritage and Intelligent Applications (Hybrid) Chaired by Emmanouel Garoufallou
08:30 – 08:50	**Machine Learning-Based Reference Evapotranspiration Estimation in Semi-Arid Regions of Morocco: A Comparative Multi-Model Study** ***Mahdi Mghazli**, Abdelouafi Ikidid, Ahmed El Kiram, Mohamed El Ghazouani, Moulay Youssef Ichahane and Ikram Essajai*
08:50 – 09:10	**Transforming Digital Music Archives into Computational Corpora: MusicXML, Terminology Normalization, and Feature Extraction in the Ionian Philharmonic Collections** ***Sevasti-Ioanna Gergatsouli**, Costas Zervopoulos, Eleftherios Kalogeros and Manolis Gergatsoulis*
09:10 – 09:30	**Recording and Presenting Plural Interpretations of Hmong/Miao Heritage** ***Sha Huang***
09:30 – 09:50	**Gender in Authority Data: A Decision Framework for National Libraries** ***Ana Carolina Novaes de Mendonça** and Ana Carolina Simionato Arakaki*
09:50 – 10:10	**From Metadata Awareness to Practice: A Methodological Framework for Training and Capacity-Building in Research Data Management** ***Joana Rodrigues***
10:10 – 10:30	**AI Avatars Meet Cultural-Heritage Databases: A Vertical Knowledge-Service Pattern from a Regional University Library** ***Yan-bo Lin** and Jishen Tang*
10:30 – 10:50	**From Records to Entities: A Crosswalk between MARC 21 and IFLA LRM for the Semantic Transformation of Rede Bibliodata** *Ana Carolina Simionato Arakaki, **Ana Carolina Novaes de Mendonça**, Dayane Onaga Ferreira Machado, Felipe Augusto Arakaki, Laiza Vitoria Carvalho Dias, Bruno Carlos da Cunha Costa, Amanda Valdés Bezerra Nunes, Izadora Oliveira Linhares, Henrique Leal Tavares, Edna Karina da Silva Lira and Emanuelle Torino*
10:50 – 11:10	**TELL: Redefining Libraries as Catalysts of Advocacy, Innovation, and Sustainable Development** ***Ioana Cornelia Cristina Crihana, Eleni Fili,** Georgia Zafeiriou, Chrysanthi Theodoridou, Stefania Stanica and **Emmanouel Garoufallou***
11:10 – 11:30	***When Is "Accessible" Applicable? Preserving Context in Transit Accessibility Metadata*** ***Hongxin Su***

15.00 – 16:00	**MTSR Community Session (by invitation only)**
16.00 – 18:00	**Cocktail for MTSR Steering Committee by AOSR** **Venue:** Romanian Academy of Scientists (AOSR)/ Academia Oamenilor de Știință din România **Address:** Strada Ilfov 3, 030167, București **Google Maps:** https://maps.app.goo.gl/Q6aDmw5aT8G3Pjwu8

Tuesday, 17 November 2026

Opening Day

Venue: "Carol I" Central University Library Bucharest / Biblioteca Centrală Universitară "Carol I"
Address: Strada Boteanu 1, 010292, București
Google Maps: https://maps.app.goo.gl/3JNscHKczapWFcXz8

11.00 – 11:30	**Registration and Welcome Coffee**
11.30 – 12:15	**Official Opening Ceremony, Aula, "Carol I" Central University Library Bucharest (Entrance: 88, Calea Victoriei)** Dr. Emmanouel Garoufallou, Professor, Director of MetaDATA Lab and Director of Doctoral Studies (PhDs), Department of Library Science, Archives and Information Systems, International Hellenic University Prof. Dr. Eng. Horia Iovu, Vice-rector, National University of Science and Technology POLITEHNICA Bucharest Prof. Dr. Mireille Radoi, University of Economic Studies in Bucharest & General Director "Carol I" Central University Library Bucharest **Dr. Dragos-Adrian Neagu**, Manager, Braila County Library & President of ANBPR
12:15-12:30	**From MARC to Meta-MARC and AI-Metadata - "The Past and Future of Bibliographic Records"** **Daniel Marinescu**, General Manager, IME Romania
12:30 – 13:15	**KEYNOTE SESSION** ***Professor Dr. Eng. Doina Banciu,*** President of the Academy of Romanian Scientists (AOSR) ***Keynote title:*** ***"Document Retrieval in Traditional Libraries – A Precursor Model of Metadata"*** **Moderator**: **Dr. Dragos-Adrian Neagu**, Manager, Braila County Library & President of ANBPR
13:15 – 14:00	**Lunch offered by enformation**
14:00 – 14:30	Library Visit - "Carol I" Central University Library Bucharest (Biblioteca Centrală Universitară "Carol I")
	DOAbLE and Tracks and General Session: Metadata Trust, AI Reliability and Provenance Chaired by Prof. Dr. **Mireille Radoi**, University of Economic Studies in Bucharest and General Director "Carol I" Central University Library Bucharest

14:30 – 14:50	**Recording the Provenance of Metadata Terminology in AI-Assisted Materials Science Research** *Christopher B Rauch, Samuel Conry-Murray, Scott McClellan, Colton Gerber, Danielle Veigel and* ***Jane Greenberg***
14:50 – 15:00	**LLM-Assisted Metadata Generation for Structured Data: A Systematic Literature Review on Approaches, Reliability, and Human Oversight** ***Hatice Ünal****, Nazım Taşkın and Nazım Ziya Perdahçı*
15:00 – 15:20	**Essential and Optional Skills in ESCO A Metadata-Based Comparison of Librarian and Information Manager Profiles** ***Silviu Bors***
15:20 – 15:40	**Metadata as Trust Infrastructure: The Technical Dimension of Information Integrity in Redefining the Library** ***Styliani Vazaiou*** *and Daphne Kyriaki-Manessi*
15:40 – 16:00	**Coffee Break**
	DOAbLE, General and Track Sessions, and Digital Libraries: Professional Competencies, Collection Development and Applied Metadata for Documentary Heritage Chaired by **Dr. Dragos-Adrian Neagu**, Manager, Braila County Library & President of ANBPR
16:00 – 16:20	**Bridging RiC-O and PREMIS: An Alignment Framework for Digital Archives** **Matthew Damigos**, Lina Bountouri, Eleftherios Kalogeros and Evangelia Thanou
16:20 – 16:40	**A Reconnaissance Flight Across European Open Aviation Data** ***Martin Critelli*** *and Roberta Bianca Luzietti*
16:40 – 17:00	**Named Entity Recognition and Machine Learning Models: Theoretical Aspects and an Empirical Case Study from Archival Text Processing** ***Yasena Chantova***
17:00 – 17:20	**Aligning Electronic Collection Development with Academic Programme Growth: A Longitudinal Digital Library Case Study** ***Evanthia Itsa***
17:20 – 17:40	**An Expletory Case Study: A Leash and Harness Metadata Matching Schema** ***Betsy Abramovich***
17:40 – 18:00	**From Digital Images to Semantic Safeguarding: A Pilot Methodology for Decoding and Interoperability of the Popescu-Judetz Dance Archive** ***Elena Iagăr***

Wednesday, 18 November 2026

Venue: National University of Science and Technology POLITEHNICA Bucharest (Universitatea Națională de Știință și Tehnologie Politehnica București), Room 3.2, 3rd floor, New Library of the National University of Science and Technology POLITEHNICA Bucharest
Address: Splaiul Independenţei nr. 313, sector 6, Bucureşti, Romania, Cod Poştal: RO-060042
Google Maps: https://maps.app.goo.gl/wwggFZ7DT5gvL46E7

08:30 – Transfer to the conference venue by minibus

Transport provided by the organisers

Meeting point: "Carol I" Central University Library Bucharest (Biblioteca Centrală Universitară "Carol I")

Address: Strada Boteanu 1, 010292, București
Google Maps: https://maps.app.goo.gl/3JNscHKczapWFcXz8

09:00 – 09:30	**Arrival and Registration followed by Welcome Coffee**
	Advancing FAIR Research Infrastructures through Metadata Management, Requirements Engineering and Ontology Alignment for Semantic Interoperability Chaired by**: Dr. Agnes Terezia Erich**, Associate Professor, University of Targoviste, Faculty of Humanities and Manager, Dambovita County Library
09:30 – 09:50	**BERD@NFDI: Operationalizing Domain Specific Requirements in a Business and Economics Research Infrastructure** ***Janne Jensen**, Atif Latif, Mahmoud Hassan and Fidan Limani*
09:50 – 10:10	**FAIRifying Business Intelligence Systems: A FAIR-Oriented Redesign of Innovation Intelligence FVG** ***Enrico Longato** and Federica Bazzocchi*
10:10 – 10:30	**Hearth: A Scientific Data Management System with Simple, Flexible Metadata** *Andrew Marx and **Jane Greenberg***
10:30 – 10:50	**Many Graphs, One Workspace: Management of Research Metadata** *Yuliia Dikova, **Preston Rodrigues**, Nadiia Huskova and Thomas Bönisch*
10:50 – 11:10	**Evidence-Aware Ontology Design for Semantic Integration of Research Data Repositories** ***Gonzalo Torterolo**, Edelweis Rohrer and Regina Motz*
11:10 – 11:30	**Diagnosing Fusion and Query-Encoding Sensitivity in Hybrid Scholarly Retrieval** ***Arben Hajra***

11:30 – 11:50	**NLP-Driven Ontology Engineering for Semantic Integration of Cloud Security, Service Level Agreement, and Vulnerability Knowledge: A Research Roadmap** ***Ozgu Can*** *and Sena Yakut*
11:50 – 12:15	**Coffee Break**
12:15 – 13:00	**KEYNOTE SESSION** ***Professor Dr. Fabio Sartori,*** Department of Informatics, Systems and COmmunication (DISCO) of the University of Milano, Italy ***Keynote title:*** ***"Ethics in Information Society Development: The Role of Metadata from the Past to the Future"*** **Moderator**: **Professor Dr. Emmanouel Garoufallou**, International Hellenic University
13:00 – 13:45	UPB Campus Guided Tour - National University of Science and Technology POLITEHNICA Bucharest/ Universitatea Națională de Știință și Tehnologie Politehnica București
13:45 - 14:30	**Lunch**
	Digital Libraries and General Session: Geographic Context and Mobility, Scholarly Discovery and Knowledge Extraction: SPARQL Portability and Evaluation Chaired by: Dr. Silviu Bors, Assistant Professor, "Lucian Blaga" University of Sibiu
14:30 -14:50	**ARCANUM Newspapers: 100 million pages from Hungary, Romania, Czechia, Slovakia and many more** ***Sándor Biszak***, CEO, Arcanum
14:50 -15:10	**Affordances for Geographic Coverage in UNTL Metadata Records** ***Mark Phillips*** *and Hannah Tarver*
15:10 - 15:30	**Extending LOT's Requirement Specification Phase for Standards-Compliant Metadata Modeling in Government Research Data Centers** ***Sandra Starchenko***
15:30 - 15:50	**Toward Portable SPARQL Queries Across Linked Open Data: A Query Relaxation Approach to Cross-Dataset Rewriting** ***Masato Hinooka*** *and Mitsuharu Nagamori*
15:50 - 16:20	**Coffee Break**
16:20 - 16:40	**FT-Mini: Overcoming the LLM Scale-Cost Trade-off in End-to-End Knowledge Graph Construction** ***Apostolos Baniotis****, Iordanis Sapidis, Valantis Zervos, Nikos Kontonasios, Katerina Papantoniou, Michalis Mountantonakis, Pavlos Fafalios and Yannis Tzitzikas*

16:40 - 17:00	**Provenance-Aware Curation of NL-SPARQL Evaluation Data for Domain Knowledge Graphs** ***Polina Proutskova***
17:00-17:30	**Return transfer to the city centre by minibus**

Thursday, 19 November 2026

Venue: Romanian Academy of Scientists (AOSR)/Academia Oamenilor de Știință din România
Address: Strada Ilfov 3, 030167, București
Google Maps: https://maps.app.goo.gl/Q6aDmw5aT8G3Pjwu8

09:00 – 09:30	**Arrival**
	Agriculture, Food & Environment: Semantic Data Products and Food-Waste Emissions Modelling Chaired by **Dr. Nicolaie Constantinescu**, Associate Lecturer, University of Bucharest, Faculty of Letters, Communication Sciences - Information and Documentation Sciences
09:30 – 09:50	**Automated Generation and Semantic Enrichment of Data Products for Data Space Ecosystems Using a Custom GPT** ***Petri Linna****, Chalisa Sillberg and Tarmo Lipping*
09:50 – 10:10	**A factor decomposition framework for forecasting food waste emissions** ***Stela Todorova*** *and Kaloyan Haralampiev*
	Digital Humanities and Cultural Collections: Ontologies, AI Applications and Digital Curation Chaired by Leonidas Papachristopoulos
10:10 – 10:30	**A Semantic Framework for Dynamic Time Warping Analysis of Cultural Heritage Texts: An OWL Ontology and CIDOC CRM Modeling Approach** ***Evagelos Varthis****, Konstantinos Domouchtsis, Yanna Dimitriou and Marios Poulos*
10:30 – 10:50	**Documenting and Cataloguing Oral History in Omeka S: From the MeDoraH Metadata Schema to Ontology-Derived Subject Headings** ***Andreas Vlachidis****, Jiajie Zhang, Julianne Nyhan, Marco Humbel and Valentina Prishchepova*
10:50 – 11:10	**Exploring the Relationships of Musical Works** Aggeliki Drakopoulou, **Leonidas Papachristopoulos** and Christos Papatheodorou
11:10 – 11:30	**Structuring Heterogeneous Building Data for Decision Support in the Rehabilitation of Timber-Framed Heritage Buildings** *Amarni Amira, Mechri Boubakeur, Gardan Julien and Attajer Ali*

11:30 – 12:00	**Coffee Break**
12:00 – 12:20	**AI-Assisted Electronic Publishing of Large Machine-Printed Collections: A Case Study of Migne's Patrologia Graeca** ***Evagelos Varthis***, Konstantinos Domouchtsis, Yanna Dimitriou and Marios Poulos
12:20 – 12:40	**Evaluating Semantic Metadata through Competency Questions in Art-Historical Knowledge Graphs** *Polina Voronova and Alessandro Adamou*
12:40 – 12:50	**Best Paper and Best Student Paper Awards Ceremony** **Sponsored by** MetaDATA LAB, International Hellenic University
12:50 – 13:00	**Final remarks – Closing ceremony** Closing Ceremony and Announcement of MTSR 2027 Chaired by Emmanouel Garoufallou, International Hellenic University

Co-organizers

- Romanian Academy of Scientists (AOSR)/Academia Oamenilor de Știință din România
- National University of Science and Technology POLITEHNICA Bucharest/ Universitatea Națională de Știință și Tehnologie Politehnica București
- The National Association of Public Librarians and Libraries in Romania/ Asociația Națională a Bibliotecarilor și Bibliotecilor Publice din România (ANBPR)

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- Bucharest Metropolitan Library/ Biblioteca Metropolitană București

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