



**MTSR 2019:  
13<sup>th</sup> International Conference on Metadata and Semantics Research  
28-31 October 2019  
organised by the Guglielmo Marconi University in Rome, Italy**

The MTSR Conference 2019 takes place at Guglielmo Marconi University in Rome  
Via Plinio, 44, 00193 Roma RM Street, Italy

GETTING HERE - Conference Centres (with maps):

Università degli Studi Guglielmo Marconi, **Via Plinio, 44**, 00193 Roma RM

<https://goo.gl/maps/2aSZg7hrQCPeU2Ao9>

GETTING HERE – Registration, Coffee break – Refreshments, Lunch break Rooms

Università degli Studi Guglielmo Marconi, **Via Plinio, 34**, 00193 Roma RM

<https://goo.gl/maps/X9Sq71JQQG5LXmE99>

**Monday, 28th October 2019**

16:00-18:00	<b>Registration</b> Università degli Studi Guglielmo Marconi, <b>Via Plinio, 34</b> , 00193 Roma RM <a href="https://goo.gl/maps/X9Sq71JQQG5LXmE99">https://goo.gl/maps/X9Sq71JQQG5LXmE99</a>
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## Tuesday, 29th October 2019

09:00-17:00	<b>Registration – Registration Room, Via Plinio 34 - Lobby</b>
	Università degli Studi Guglielmo Marconi, Via Plinio, 44, 00193 Roma RM <a href="https://goo.gl/maps/2aSZg7hrQCpE2Ao9">https://goo.gl/maps/2aSZg7hrQCpE2Ao9</a>
9:00-10:00	Welcome
10:00-10:30	<p style="text-align: center;">Conference Welcome by</p> <p style="text-align: center;">Ernesto William De Luca Guglielmo Marconi University, Italy Georg Eckert-Institute – Leibniz-Institute for International Textbook Research, Germany</p> <p style="text-align: center;">Francesca Fallucchi Guglielmo Marconi University, Italy Georg Eckert-Institute – Leibniz-Institute for International Textbook Research, Germany</p> <p style="text-align: center;">Arturo Lavalle Director of Research Activities, Guglielmo Marconi University, Italy</p> <p style="text-align: center;">Emmanouel Garoufallou International Hellenic University, Greece</p>
	<p style="text-align: center;"><b>General Session</b> Chaired by Ernesto William De Luca</p>
10:30-10:50	CLaRO: a Controlled Language for Authoring Competency Questions <i>C. Maria Keet, Zola Mahlaza and Mary-Jane Antia</i>
10:50-11:05	Raining biomedical researchers in metadata with a MIBBI-based ontology <i>Marcelo Sampaio, Ana Ferreira, João Castro and Cristina Ribeiro</i>
11:05-11:25	Predictive Data Transformation Suggestions in Grafterizer Using Machine Learning <i>Saliha Sajid, Bjørn Marius von Zernichow, Ahmet Soylu and Dumitru Roman</i>
11:25-11:45	An Ontology Based Approach for Data Leakage Prevention Against Advanced Persistent Threats <i>Emrah Kaya, İbrahim Özçelik and Özgü Can</i>
11:45-12:15	Coffee break – Refreshments
	<p style="text-align: center;"><b>General Session</b> Chaired by Noemi Scarpato</p>
12:15-12:35	RAM Shapes: declarative RDF ↔ ADT mapping <i>Alexey Morozov, Gerhard Wohlgenannt, Dmitry Mouromtsev, Dmitry Pavlov and Yury Emelyanov</i>
12:35-12:50	Emotional concept extraction through ontology-enhanced classification <i>Danilo Cavaliere and Sabrina Senatore</i>
12:50-13:10	Automated Subject Indexing of Domain Specific Collections using Word Embeddings and General Purpose Thesauri <i>Michalis Sfakakis, Leonidas Papachristopoulos, Kyriaki Zoutsou, Giannis Tsakonas and Christos Papatheodorou</i>

13:10-13:30	Knowledge Graph Embeddings over Hundreds of Linked Datasets <i>Michalis Mountantonakis and Yannis Tzitzikas</i>
13:30-13:50	Changing the subject: dynamic discussion monitoring in Twitter <i>Marçal Mora-Cantallops and Salvador Sánchez-Alonso</i>
13:50-14:45	Lunch break
	<b>General Session</b> Chaired by Noemi Scarpato
14:45-15:05	<p style="text-align: center;"><b>Poster session</b></p> <p style="text-align: center;"><i>Posters will be displayed in the Lobby of the Conference Centre Posters can be viewed all conference days. Attendees will have the opportunity to speak with the presenters on Wednesday, 30th October between 13:15-14:00</i></p> <p>Linked Data in Action – How to use LinkedData in Agricultural Domain <i>Christian Zinke-Wehlmann, Amit Kirschenbaum and Raul Palma</i></p> <p>Modelling Scholars Portal Journals Entitlements and Collections Metadata as Linked Data <i>Wei Zhao and Jayanthi Chengan</i></p> <p>A Graph-based Recommender System for Ukiyo-e Prints <i>Jiayun Wang, Biligsaikhan Batjargal, Akira Maeda, Kyoji Kawagoe and Ryo Akama</i></p>
	<b>General Session and Track on Metadata, Identifiers and semantics in Decentralized Applications, Blockchains and P2P systems</b> Chaired by Ozgu Can
15:05-15:25	Metadata-driven Semantic Coordination <i>Manuel Fiorelli, Armando Stellato, Tiziano Lorenzetti, Peter Schmitz, Enrico Francesconi, Najeh Hajlaoui and Brahim Batouche</i>
15:25-15:40	Timestamping Metadata Using Blockchain: A Practical Approach <i>Tassos Kolydas</i>
15:40-15:55	An architecture of fully infrastructural Digital Identification systems with foundational goals based on Blockchain Semantic Approach <i>Mirek Sopek, Robert Trypuz and Dominik Kuziński</i>
15:55-16:15	Coffee break – Refreshments
	<b>General Session and Tracks on Open Repositories, Research Information Systems and Data Infrastructures And European and National Projects</b> Chaired by Armando Stellato
16:15-16:30	Ontology Based Anomaly Detection for File Integration <i>Ozgu Can and Ibrahim Uzum</i>
16:30-16:45	Schema-Based Visual Queries over Linked Data Endpoints <i>Kārlis Čerāns, Lelde Lace, Aiga Romane, Julija Ovcinnikova, Mikus Grasmanis, Arturs Sprogis and Agris Sostaks</i>
16:45-17:00	Metadata integration with labeled-property graphs <i>Vasily Bunakov</i>

17:00-17:15	Applying predictive models to support skos:ExactMatch validation <i>Riccardo Albertoni</i>
17:15-17:40	Data Science from a Perspective of Computer Science <i>Sirje Virkus and Emmanouel Garoufallou</i>
	<b>Closing Remarks</b>
20:30	<b>Self-paid dinner</b>

## Wednesday, 30th October 2019

09:00-17:30	<b>Registration – Registration Room, Via Plinio 34 - Lobby</b>
	Università degli Studi Guglielmo Marconi, Via Plinio, 44, 00193 Roma RM <a href="https://goo.gl/maps/2aSZg7hrQCPEU2Ao9">https://goo.gl/maps/2aSZg7hrQCPEU2Ao9</a>
9:00-09:10	Welcome
	<b>Track on Digital Libraries, Information Retrieval, Big, Linked, Social &amp; Open Data</b> Chaired by Fabio Sartori
09:10-09:30	Creating dashboards and data stories within the Data & Analytics Framework (DAF) <i>Francesca Fallucchi, Ernesto William De Luca and Michele Petito</i>
09:30-09:50	C-Rank: A Concept Linking Approach to Unsupervised Keyphrase Extraction <i>Mauro Dalle Lucca Tosi and Julio Cesar Dos Reis</i>
09:50-10:10	Scholarly resources structuring: Use cases for Digital Libraries <i>Fidan Limani, Atif Latif and Klaus Tochtermann</i>
10:10-10:30	Method for the assessment of semantic accuracy using rules identified by Conditional Functional Dependencies <i>Vanusa Santana and Fábio Lopes</i>
10:30-10:45	A Semantic Representation of Citation Structure <i>Marcin Skulimowski</i>
10:45-11:05	OntoPPI: Towards data formalization on the prediction of protein interactions <i>Yasmin Martins, Maria Claudia Cavalcanti, Luis Willian Arge, Artur Ziviani and Ana Tereza Vasconcelos</i>
11:05-11:25	Extending Faceted Search with Automated Object Ranking <i>Kostas Manioudakis and Yannis Tzitzikas</i>
11:25-11:50	Coffee break – Refreshments
11:50-12:45	<p style="text-align: center;"><i>Keynote Speaker:</i></p> <p style="text-align: center;"><b>Alfio M. Gliozzo</b> Research Manager DHead, Knowledge Induction Department IBM T.J. Watson Research</p> <p style="text-align: center;"><b>Keynote title: “Knowledge Graph Induction using Distantly Supervised Deep Nets”</b></p> <p style="text-align: center;">Chaired by Ernesto William De Luca</p>
12:45-13:45	Lunch break
	<b>General Session</b> Chaired by Francesca Fallucchi
13:50-14:10	IoT Data Validation using spatial and temporal correlations <i>Fabio Sartori, Riccardo Melen and Fabio Giudici</i>
14:10-14:30	Semantic assistance system for providing smart services and reasoning in aero-engine manufacturing <i>Sonika Gogineni, Konrad Exner, Rainer Stark, Jonas Nickel, Marian Oeler and Heiko Witte</i>

14:30-14:50	A classification of grammar-infused templates for ontology and model verbalisation <i>Zola Mahlaza and C. Maria Keet</i>
14:50-15:10	Modern Institutional Repository: How it can Support your Institution's Strategy <i>Massimiliano Bearzot, Elsevier</i>
15:10-15:30	Coffee break – Refreshments
	<b>General Session</b> Chaired by Philip E. Schreur and Andreas Vlachidis
15:30-15:45	Subtype identification of Parkinson's disease using sparse canonical correlation and clustering analysis of multimodal neuroimaging <i>Ji Hye Won, Mansu Kim, Jinyoung Youn and Hyunjin Park</i>
15:45-16:00	Proposal of a Metadata Application Profile for Technical Reports <i>Morgana Andrade and Ana Alice Baptista</i>
	<b>Special Track on Agriculture, Food &amp; Environment (AgroSEM'19)</b> Chaired by Philip E. Schreur and Andreas Vlachidis
16:00-16:20	Hydrographic datasets in Open Government Data portals: mitigation of reusability issues through provenance documentation <i>Monica De Martino, Sergio Rosim and Alfonso Quarati</i>
16:20-16:40	An architecture for enabling IoT edge devices to allow scalable publishing of semantic linked data <i>Mark Burkley</i>
16:40-17:00	WASOS: An Ontology for Modelling Traditional Knowledge of Sustainable Water Stewardship <i>Andreas Vlachidis and Mark Everard</i>
	<b>Tutorial</b>
17:00-17:50	VocBench 3: Collaborative Development of Thesauri, Ontologies, Lexicons and RDF datasets for the Semantic Web (System Demonstration) <i>Armando Stellato, Manuel Fiorelli, Tiziano Lorenzetti, Willem van Gemert, Denis Dechandon, Christine Laaboudi-Spoiden, Anikó Gerencsér, Anne Waniart, Eugeniu Costetchi and Andrea Turbati</i>
17:50-18:00	<b>Closing Remarks</b>
20:00	<b>Conference Dinner</b> Lian Roma Music, Spirits & Bistrot <a href="https://www.lianroma.com">https://www.lianroma.com</a>

## Thursday, 31th October 2019

09:00-12:00	<b>Registration – Registration Room, Via Plinione 34 - Lobby</b>
	Università degli Studi Guglielmo Marconi, Via Plinio, 44, 00193 Roma RM <a href="https://goo.gl/maps/2aSZg7hrQCpeU2Ao9">https://goo.gl/maps/2aSZg7hrQCpeU2Ao9</a>
	<b>Track on Cultural Collections and Applications</b> Chaired by Michalis Sfakakis
09:00-09:20	Enriching Wikidata with cultural heritage data from the COURAGE project <i>Ghazal Faraj and Andras Micsik</i>
09:20-09:40	The Data Aggregation Lab software: experimentation for linked data aggregation in Cultural Heritage <i>Nuno Freire</i>
09:40-10:00	Sinopia: a New Linked-Data Editing Environment Designed for Libraries <i>Philip Schreur</i>
10:00-10:20	Title Matching for Finding Identical Metadata Records in Different Languages <i>Yuting Song, Biligsaikhan Batjargal and Akira Maeda</i>
10:20-10:40	Break down walls, build bridges: the collaboration between Share-VDE initiative and Sinopia and the Cluster Knowledge Base editor as cooperative tool <i>Tiziana Possemato</i>
10:40-11:00	Coffee break – Refreshments
11:00-12:30	<b>Round Table: The digital world 2030</b>
	<p style="text-align: center;"><i>Keynote Speakers:</i></p> <p style="text-align: center;"><b>Gabriele Arcidiacono</b></p> <p style="text-align: center;">Full Professor, Machine Design and Head of Department of Innovation and Information Engineering (DIIE) at G. Marconi University, Rome, Italy</p> <p style="text-align: center;"><b>Keynote title: “Lean education and society 5.0: the global excellence”</b></p> <p style="text-align: center;"><b>Romeo Giuliano</b></p> <p style="text-align: center;">Associate Professor, University of Rome Guglielmo Marconi, Italy</p> <p style="text-align: center;"><b>Keynote title: “The 6-th generation network (6G): drivers, services and requirements.”</b></p> <p style="text-align: center;"><b>Fabio Massimo Zanzotto</b></p> <p style="text-align: center;">Associate Professor, Department of Industrial Engineering University of Rome Tor Vergata, Italy</p> <p style="text-align: center;"><b>Keynote title: “Hey, Merry Men! Robin-Hood Artificial Intelligence is calling you!”</b></p> <p style="text-align: center;">Chaired by Francesca Fallucchi</p>
12:30-13:30	Lunch break

	<b>Track on Digital Humanities and Digital Curation (DHC)</b> Chaired by Ivo Keller
13:30-13:50	Curatr: A Platform for Semantic Analysis and Curation of Historical Literary Texts <i>Susan Leavy, Gerardine Meaney, Karen Wade and Derek Greene</i>
13:50-14:10	Digital Transformation of Research Processes in the Humanities <i>Ernesto William De Luca and Riem Spielhaus</i>
14:10-14:25	Extraction of character profiles from the Gutenberg archive <i>Mattia Egloff, Davide Picca and Alessandro Adamou</i>
14:25-14:40	Fine-GRAINED Process Metadata <i>Kerstin Jung, Markus Gärtner and Jonas Kuhn</i>
14:40-14:55	Formal Ontology in a Relativistic Setting <i>Guido Vetere</i>
14:55-15:15	A Research Toolbox: a Complete Suite for Analysis in Digital Humanities <i>Francesca Fallucchi, Ernesto William De Luca, Massimiliano Tarquini and Alessandro Ligi</i>
15:15-15:30	The Null Result Portal <i>Lydia Müller, Dirk Goldhahn and Gerhard Heyer</i>
15:30-16:00	Coffee break – Refreshments
16:00-16:15	<b>EuroCRIS</b> <b>The International Organisation for Research Information</b> <a href="https://www.eurocris.org/">https://www.eurocris.org/</a>
16:15-16:30	<b>Best Paper and Best Student Paper Awards Ceremony</b>  <b>Sponsored by</b> EuroCRIS: The International Organisation for Research Information <a href="https://www.eurocris.org/">https://www.eurocris.org/</a>
16:30-16:45	<b>Final remarks – Closing ceremony and handover</b>  <b>Announcement of the next 14<sup>th</sup> MTSR 2020 Conference</b> Chaired by Emmanouel Garoufallou, Ernesto William De Luca and Francesca Fallucchi