

Accepted Papers

(accepted full research papers, short papers,
posters, tutorials, demos, and presentations)

MTSR 2019:

**13th International Conference on Metadata and Semantics Research,
28-31 October 2019, Rome, Italy**

CLaRO: a Controlled Language for Authoring Competency Questions
C. Maria Keet, Zola Mahlaza and Mary-Jane Antia

RAM Shapes: declarative RDF ↔ ADT mapping
*Alexey Morozov, Gerhard Wohlgemann, Dmitry Mouromtsev,
Dmitry Pavlov and Yury Emelyanov*

Emotional concept extraction through ontology-enhanced classification
Daniilo Cavaliere and Sabrina Senatore

IoT Data Validation using spatial and temporal correlations
Fabio Sartori, Riccardo Melen and Fabio Giudici

Metadata-driven Semantic Coordination
*Manuel Fiorelli, Armando Stellato, Tiziano Lorenzetti, Peter Schmitz,
Enrico Francesconi, Najeh Hajlaoui and Brahim Batouche*

Semantic assistance system for providing smart services and reasoning
in aero-engine manufacturing
*Sonika Gogineni, Konrad Exner, Rainer Stark, Jonas Nickel,
Marian Oeler and Heiko Witte*

Automated Subject Indexing of Domain Specific Collections using
Word Embeddings and General Purpose Thesauri
*Michalis Sfakakis, Leonidas Papachristopoulos, Kyriaki Zoutsou,
Giannis Tsakonas and Christos Papatheodorou*

A classification of grammar-infused templates for ontology and model verbalisation
Zola Mahlaza and C. Maria Keet

An Ontology Based Approach for Data Leakage Prevention Against
Advanced Persistent Threats

Emrah Kaya, İbrahim Özçelik and Özgü Can

Subtype identification of Parkinson's disease using sparse canonical correlation
and clustering analysis of multimodal neuroimaging

Ji Hye Won, Mansu Kim, Jinyoung Youn and Hyunjin Park

Applying predictive models to support skos:ExactMatch validation

Riccardo Albertoni

Training biomedical researchers in metadata with a MIBBI-based ontology

Marcelo Sampaio, Ana Ferreira, João Castro and Cristina Ribeiro

Schema-Based Visual Queries over Linked Data Endpoints

*Kārlis Čerāns, Lelde Lace, Aiga Romane, Julija Ovcinnikova,
Mikus Grasmanis, Arturs Sprogis and Agris Sostaks*

Predictive Data Transformation Suggestions in Grafterizer Using Machine Learning

Saliha Sajid, Bjørn Marius von Zernichow, Ahmet Soylu and Dumitru Roman

Knowledge Graph Embeddings over Hundreds of Linked Datasets

Michalis Mountantonakis and Yannis Tzitzikas

Changing the subject: dynamic discussion monitoring in Twitter

Marçal Mora-Cantallops and Salvador Sánchez-Alonso

OntoPPI: Towards data formalization on the prediction of protein interactions

*Yasmmin Martins, Maria Claudia Cavalcanti, Luis Willian Arge,
Artur Ziviani and Ana Tereza Vasconcelos*

Scholarly resources structuring: Use cases for Digital Libraries

Fidan Limani, Atif Latif and Klaus Tochtermann

C-Rank: A Concept Linking Approach to Unsupervised Keyphrase Extraction

Mauro Dalle Lucca Tosi and Julio Cesar Dos Reis

Proposal of a Metadata Application Profile for Technical Reports

Morgana Andrade and Ana Alice Baptista

Ontology Based Anomaly Detection for File Integration

Ozgu Can and Ibrahim Uzum

Extending Faceted Search with Automated Object Ranking

Kostas Manioudakis and Yannis Tzitzikas

Creating dashboards and data stories within the Data & Analytics Framework (DAF)

Francesca Fallucchi, Ernesto William De Luca and Michele Petito

Method for the assessment of semantic accuracy using rules identified

by Conditional Functional Dependencies

Vanusa Santana and Fábio Lopes

A Semantic Representation of Citation Structure

Marcin Skulimowski

Hydrographic datasets in Open Government Data portals: mitigation of reusability issues through provenance documentation

Monica De Martino, Sergio Rosim and Alfonso Quarati

An architecture for enabling IoT edge devices to allow scalable publishing of semantic linked data

Mark Burkley

WASOS: An Ontology for Modelling Traditional Knowledge of Sustainable Water Stewardship

Andreas Vlachidis and Mark Everard

Data Science from a Perspective of Computer Science

Sirje Virkus and Emmanouel Garoufallou

Curatr: A Platform for Semantic Analysis and Curation of Historical Literary Texts

Susan Leavy, Gerardine Meaney, Karen Wade and Derek Greene

Extraction of character profiles from the Gutenberg archive

Mattia Egloff, Davide Picca and Alessandro Adamou

Digital Transformation of Research Processes in the Humanities

Ernesto William De Luca and Riem Spielhaus

Fine-GRAINED Process Metadata

Kerstin Jung, Markus Gärtner and Jonas Kuhn

Formal Ontology in a Relativistic Setting

Guido Vetere

A Research Toolbox: a Complete Suite for Analysis in Digital Humanities

*Francesca Fallucchi, Ernesto William De Luca,
Massimiliano Tarquini and Alessandro Ligi*

The Null Result Portal

Lydia Müller, Dirk Goldhahn and Gerhard Heyer

The Data Aggregation Lab software: experimentation for linked data aggregation
in Cultural Heritage
Nuno Freire

Sinopia: a New Linked-Data Editing Environment Designed for Libraries
Philip Schreur

Title Matching for Finding Identical Metadata Records in Different Languages
Yuting Song, Biligsaikhan Batjargal and Akira Maeda

Enriching Wikidata with cultural heritage data from the COURAGE project
Ghazal Faraj and Andras Micsik

Metadata integration with labeled-property graphs
Vasily Bunakov

Timestamping Metadata Using Blockchain: A Practical Approach
Tassos Kolydas

Linked Data in Action – How to use LinkedData in Agricultural Domain
Christian Zinke-Wehlmann, Amit Kirschenbaum and Raul Palma

Modelling Scholars Portal Journals Entitlements and Collections Metadata as Linked Data
Wei Zhao and Jayanthi Chengan

A Graph-based Recommender System for Ukiyo-e Prints
Jiayun Wang, Biligsaikhan Batjargal, Akira Maeda, Kyoji Kawagoe and Ryo Akama

VocBench 3: Collaborative Development of Thesauri, Ontologies, Lexicons and
RDF datasets for the Semantic Web (System Demonstration)
*Armando Stellato, Manuel Fiorelli, Tiziano Lorenzetti, Willem van Gemert,
Denis Dechandon, Christine Laaboudi-Spoiden, Anikó Gerencsér,
Anne Waniart, Eugeniu Costetchi and Andrea Turbati*

Break down walls, build bridges: the collaboration between Share-VDE initiative
and Sinopia and the Cluster Knowledge Base editor as cooperative tool
Tiziana Possemato

An architecture of fully infrastructural Digital Identification systems with foundational goals
based on Blockchain Semantic Approach
Mirek Sopek, Robert Trypuz and Dominik Kuziński