Accepted Papers

(accepted full research papers, short papers, and presentations)

MTSR 2020 VIRTUAL CONFERENCE
14th International Conference on Metadata and Semantics Research, November 30th – December 4th, 2020, Complutense University of Madrid.

Biodiversity Image Quality Metadata Augments Convolutional Neural Network Classification of Fish Species

Jeremy Leipzig, Yasin Bakis, Xiaojun Wang, Mohannad Elhamod, Kelly Diamond, Murat Maga, Wasila Dahdul, Anuj Karpatne, Paula Mabee, Henry L. Bart Jr. and Jane Greenberg

Class and instance equivalences in the Web of Linked Data: distribution and graph structure

Salvador Sanchez-Alonso, Miguel-Angel Sicilia, Enayat Rajabi, Marçal Mora-Cantallops and Elena Garcia-Barriocanal

An Approach for Representing and Storing RDF Data in Multi-model Databases

Simen Dyve Samuelsen, Nikolay Nikolov, Ahmet Soylu and Dumitru Roman

Predicting the Basic Level in a Hierarchy of Concepts

Laura Hollink, Aysenur Bilgin and Jacco van Ossenbruggen

Knowledge-based Named Entity Recognition of Archaeological Concepts in Dutch

Andreas Vlachidis, Douglas Tudhope and Milco Wansleeben

FAIRising pedagogical documentation for the research lifecycle

Deborah Garwood and Alex Poole

LigADOS: Interlinking datasets in open data portal platforms on the semantic web

Glaucia Botelho De Figueiredo, Kelli de Faria Cordeiro and Maria Luiza Machado Campos

Examination of NoSQL Transition and Data Mining capabilities

Dimitris Rousidis, Paraskevas Koukaras and Christos Tjortjis

Entity linking as a population mechanism forskill ontologies: evaluating the use of ESCO and Wikidata
Lino González, Miguel-Angel Sicilia and Elena Garcia-Barriocanal

Implementing culturally relevant relationships between digital cultural heritage objects
Carlos H. Marcondes

Automatic Human Resources ontology generation from the data of an e-recruitment platform
Sabrina Boudjedar, Sihem Bouhenniche, Hakim Mokeddem and Hamid Benachour

Lifting Tabular Data to RDF: A Survey
Manuel Fiorelli and Armando Stellato

Validating SAREF in a Smart Home Environment
Roderick van der Weerdt, Victor de Boer, Laura Daniele and Barry Nouwt

An Introduction to Information Network Modeling Capabilities, Utilizing Graphs
Paraskevas Koukaras, Dimitris Rousidis and Christos Tjortjis

Using METS to Express Digital Provenance for Complex Digital Objects
Christy Chapman, C. Seth Parker and Brent Seales

How Can a University Take its First Steps in Open Data?
Yannis Tzitzikas, Marios Pitikakis, Giorgos Giakoumis, Kalliopi Varouha and Eleni Karkanaki

Linked vocabularies for mobility and transport research
Susanne Arndt and Mila Runnwerth

Linking Author Information: EconBiz Author Profiles
Arben Hajra, Tamara Pianos and Klaus Tochtermann

OntoBelliniLetters: a formal ontology for a corpus of letters of Vincenzo Bellini
Salvatore Cristofaro and Daria Spampinato

Creative Data Ontology: 'Russian Doll' Metadata Versioning in Film and TV Post-Production Workflows
Christos A. Dexiades and Claude P.R. Heath

EPIC: A Proposed Model for Approaching Metadata Evaluation
Hannah Tarver and Mark Phillips

Semantic Web oriented approaches for smaller communities in publishing findable datasets
Nishad Thalhath, Mitsuharu Nagamori, Tetsuo Sakaguchi, Deepa Kasaragod and Shigeo Sugimoto

Machine learning models applied to weather series analysis
Riccardo Scano, Francesca Fallucchi and Ernesto William De Luca

It's Good for Me, It's Good for You – Personal Name Data Enrichment in the Petőfi Literary Museum's Namespace and Wikidata
Miklós Péter Hubay

Ontology-Based Decision Support System for the Nitrogen Fertilization of Winter Wheat
Ingmar Kessler, Alexander Perzylo and Markus Rickert

Semantic Description of Plant Phenological Development Stages, starting with Grapevine
Catherine Roussey, Xavier Delpuech, Florence Amardheil, Stephan Bernard and Clement Jonquet

A software application with ontology-based reasoning for agroforestry
Raphaël Conde Salazar, Isabelle Mougenot, Alexia Stokes, Fabien Liagre and Jerôme Perez

On the Evolution of Semantic Warehouses: The Case of Global Record of Stocks and Fisheries
Yannis Marketakis, Yannis Tzitzikas, Aureliano Gentile, Bracken van Niekerk and Marc Taconet

HIVE-4-MAT: Advancing the Ontology Infrastructure for Materials Science
Jane Greenberg, Xintong Zhao, Joe Adair, Joan Boone and Xiaohua Tony Hu

Institutional support for Data Management Plans: five case studies
Yulia Karimova, Cristina Ribeiro and Gabriel David

Information integration, visualization and querying based on semantic technologies. Case study
Ana Maria Fermoso García, Maria Isabel Manzano García, Juan Blanco Castro and Daniel Porras Reyes

Building Linked Open Date Entities for Historical Research
Go Sugimoto

Wikidata centric vocabularies and URIs for linking data in Semantic Web driven digital curation
Nishad Thalhath, Mitsuharu Nagamori, Tetsuo Sakaguchi and Shigeo Sugimoto

A Linked Data Model for Data Scopes
Victor de Boer, Ivette Bonestroo, Rik Hoekstra and Marijn Koolen

Representing Archeological Excavations using the CIDOC CRM based Conceptual Models
Manolis Gergatsoulis, Georgios Papaioannou, Eleftherios Kalogeros and Robert Carter

Generating and exploiting semantically enriched, integrated, linked and open museum data
Sotirios Angelis and Konstantinos Kotis

Metadata aggregation via linked data: results of the Europeana Common Culture project
Nuno Freire, Enno Meijers, Sjors de Valk, Julien A. Raemy and Antoine Isaac

The Role of Data Storage in the Design of Wearable Expert Systems
Fabio Sartori, Marco Savi and Riccardo Melen

Towards an innovative model in Wearable Expert System for Skiing
Elson Kurian, Sherwin Varghese and Stefano Fiorini