



The 15th International
Semantic Web Conference

2016

October 17-21 Kobe, Japan



Poster and Demo

Wed, Oct 19 @ 18:00 / 3rd Floor

Posters

- [P01] **Working Process Quantification in Factory Using Wearable Sensor Device and Ontology-based Stream Data Processing**
Masao Watanabe, Kazunari Hashimoto, Seiya Inagi, Yohei Yamane, Seiji Suzuki and Hiroshi Umemoto
- [P02] **Human-Machine Collaboration over Linked Data**
Paolo Pareti
- [P03] **An Ontology based Map Converter for Intelligent Vehicles**
Lihua Zhao, Naoya Arakawa, Hiroaki Wagatsuma and Ryutaro Ichise
- [P04] **GovLOD: Towards to a Linked Open Data Portal**
Octavian Rinciog and Vlad Posea
- [P05] **Serving Ireland's Geospatial Information as Linked Data**
Christophe Debruyne, Eamonn Clinton, Lorraine McNeerney, Atul Nautiyal and Declan O'Sullivan
- [P06] **Lowering knowledge : Making constrained devices semantically interoperable**
Nicolas Seydoux, Khalil Drira, Nathalie Hernandez and Thierry Monteil
- [P07] **Personalized robot interactions to intercept behavioral disturbances of people with dementia**
Femke Ongenae, Femke De Backere, Jelle Nelis, Stijn De Pestel, Christof Mahieu, Shirley Elprama, Charlotte Jewell, An Jacobs, Pieter Simoens and Filip De Turck
- [P08] **Implementing Customer Reception Service in Robot Cafe using Stream Reasoning and ROS based on PRINTEPS**
Takeshi Morita, Yu Sugawara, Ryota Nishimura and Takahira Yamaguchi
- [P09] **SQuaRE: A Visual Tool For Creating R2RML Mappings**
Jarosław Bąk and Michał Blinkiewicz
- [P10] **Data Integration for the Media Value Chain**
Henning Agt-Rickauer, Jörg Waitelonis, Tabea Tietz and Harald Sack
- [P11] **SOLS: A Semantically Enriched Learning System Using LOD Based Automatic Question Generation**
Corentin Jouault, Kazuhisa Seta and Yuki Hayashi
- [P12] **XB: A Large-scale Korean Knowledge Base for Question Answering Systems**
Jongmin Lee, Youngkyoung Ham and Tony Lee
- [P13] **Towards Building Open Knowledge Base From Programming Question-Answering Communities**
Wei Emma Zhang, Ermyas Abebe, Quan Z. Sheng and Kerry Taylor
- [P14] **Cross-Language Record Linkage using Word Embedding driven Metadata Similarity Measurement**
Yuting Song, Taisuke Kimura, Biligsaikhan Batjargal and Akira Maeda
- [P15] **Using word2vec to Build a Simple Ontology Learning System**
Gerhard Wohlgenannt and Filip Minic
- [P16] **Constructing Semantic Networks of Development Activities from Weekly Reports**
Motoyuki Takaai and Yohei Yamane
- [P17] **Materializing the editing history of Wikipedia as linked Data in DBpedia**
Fabien Gandon, Raphaël Boyer, Olivier Corby and Alexandre Monnin
- [P18] **Expanding Wikidata's Parenthood Information by 178%, or How To Mine Relation Cardinality Information**
Paramita Mirza, Simon Razniewski and Werner Nutt
- [P19] **Generating Conference Linked Open Data in One Click**
Andrea Giovanni Nuzzolese, Anna Lisa Gentile, Valentina Presutti and Aldo Gangemi
- [P20] **Who-Does-What: A Knowledge Base of People's Occupations and Job Activities**
Jonas Bulegon Gassen, Stefano Faralli, Simone Paolo Ponzetto and Jan Mendling
- [P21] **Agriculture Activity Ontology : An ontology for core vocabulary of agriculture activity**
Joo Sungmin, Seiji Koide, Hideaki Takeda, Daisuke Horyu, Akane Takezaki and Tomokazu Yoshida
- [P22] **Data Acquisition by Traversing Class-Class Relationships over the Linked Open Data**
Atsuko Yamaguchi, Kouji Kozaki, Kai Lenz, Yasunori Yamamoto, Hiroshi Masuya and Norio Kobayashi
- [P23] **Development of an Ontology for an Integrated Image Analysis Platform to enable Global Sharing of Microscopy Imaging Data**
Satoshi Kume, Hiroshi Masuya, Yosky Kataoka and Norio Kobayashi
- [P24] **RIKEN MetaDatabase: a Database Publication Platform for RIKENs Life-science Researchers that Promotes Research Collaborations over Different Research Area**
Kai Lenz, Hiroshi Masuya and Norio Kobayashi
- [P25] **A RDF based Portal of Biological Phenotype Data produced in Japan**
Terue Takatsuki, Mikako Saito, Sadahiro Kumagai, Eiki Takayama, Kazuya Ohshima, Nozomu Ohshiro, Kai Lenz, Nobuhiko Tanaka, Norio Kobayashi and Hiroshi Masuya

- [P26] **Building Evidence Graph for Clinical Decision Support**
Jing Mei, Wen Sun, Jing Li, Haifeng Liu, Xiang Li, Yiqin Yu and Guotong Xie
- [P27] **Semantic Web Technologies and Big Data Infrastructures: SPARQL Federated Querying of Heterogeneous Big Data Stores**
Stasinou Konstantopoulos, Angelos Charalambidis, Giannis Mouchakis, Antonis Troumpoukis, Jürgen Jakobitsch and Vangelis Karkaletsis
- [P28] **EXISTStential Aspects of SPARQL**
Peter Patel-Schneider and David Martin
- [P29] **Semantic Audit Application**
Katalin Ternai and Ildikó Szabó
- [P30] **Jailbreaking your reference lists: the OpenCitations project strikes again**
Silvio Peroni, David Shotton and Fabio Vitali
- [P31] **Harnessing Crowds and Experts for Semantic Annotation of the Qur'an**
Amna Basharat, Khaled Rasheed and I. Budak Arpinar
- [P32] **On the Role of Semantics for Detecting pro-ISIS Stances on Social Media**
Hassan Saif, Miriam Fernandez, Matthew Rowe and Harith Alani
- [P33] **Ranking Feature for Classifier-based Instance Matching**
Khai Nguyen and Ryutaro Ichise
- [P34] **IRSMG: Accelerating Inexact RDF Subgraph Matching on the GPU**
Junzhao Zhang, Bingyi Zhang, Xiaowang Zhang and Zhiyong Feng
- [P35] **PRONA: A Plugin for Well-Designed Approximate Queries in Jena**
Zhenyu Song, Xiaowang Zhang and Zhiyong Feng
- [P36] **pSPARQL: A Querying Language for Probabilistic RDF (Extended Abstract)**
Hong Fang and Xiaowang Zhang
- [P37] **Enhancing Rule-based OWL Reasoning on Spark**
Zhihui Liu, Weimin Ge, Xiaowang Zhang and Zhiyong Feng
- [P38] **Structure-guiding Modular Reasoning for Expressive Ontologies**
Changlong Wang, Xiaowang Zhang and Zhiyong Feng
- [P39] **Parallel sort-merge-join reasoning**
Julien Subercaze and Christophe Gravier
- [P40] **Rule-Based Reasoning using State Space Search**
Dieter De Paepe, Ruben Verborgh and Erik Mannens
- [P41] **Discovering and Using Functions via Content Negotiation**
Ben De Meester, Anastasia Dimou, Ruben Verborgh and Erik Mannens
- [P42] **DBpedia Entity Type Inference Using Categories**
Lu Fang, Qingliang Miao and Yao Meng
- [P43] **Gize: A Time Warp in the Web of Data**
Valeria Fionda, Melisachew Wudage Chekol and Giuseppe Pirrò
- [P44] **Constructing Curriculum Ontology and Dynamic Learning Path Based on Resource Description Framework**
Makoto Urakawa, Masaru Miyazaki, Hiroshi Fujisawa, Masahide Naemura and Ichiro Yamada
- [P45] **Enabling combined software and data engineering: the ALIGNED suite of ontologies**
Monika Solanki, Bojan Bozic, Markus Freudenberg, Dimitris Kontokostas, Rob Brennan and Christian Dirschl
- [P46] **Ontologies Guidelines for Best Practice and a Process to Evaluate Existing Ontologies Mapping Tools and Algorithms**
Ian Harrow, Martin Romacker, Andrea Splendiani, Stefan Negru, Peter Woollard, Scott Markel, Yasmin Alam-Faruque, Martin Koch, Erfan Younesi, James Malone and Ernesto Jimenez-Ruiz
- [P47] **Interdisciplinary Classification of Audio Effects in the Audio Effect Ontology**
Thomas Wilmering and Mark B. Sandler
- [P48] **Apache Spark and Apache Kafka at the rescue of distributed RDF Stream Processing engines**
Xiangnan Ren, Olivier Curé, Houada Khrouf, Zakia Kazi-Aoul and Yousra Chabchoub
- [P49] **Proactive Replication of Dynamic Linked Data for Scalable RDF Stream Processing**
Sejin Chun, Jooik Jung, Xiongnan Jin, Seungjun Yoon and Kyong-Ho Lee
- [P50] **A Unified Interface for Optimizing Continuous Query in Heterogeneous RDF Stream Processing Systems**
Seungjun Yoon, Sejin Chun, Xiongnan Jin and Kyong-Ho Lee
- [P51] **USE-RB : Benchmarking how Reasoners Work in Harmony with Modern Hardware**
Christophe Gravier and Julien Subercaze
- [P52] **An Evaluation of VIG with the BSBM Benchmark**
Davide Lanti, Guohui Xiao and Diego Calvanese
- [P53] **Reducing the Network Load of Triple Pattern Fragments by Supporting Bind Joins**
Olaf Hartig and Carlos Buil-Aranda
- [P54] **A Survey on Challenges in Web Markup Data for Entity Retrieval**
Ran Yu, Besnik Fetahu, Ujwal Gadiraju and Stefan Dietze
- [P55] **LIXR: Quick, succinct conversion of XML to RDF**
John P. McCrae and Philipp Cimiano

Demos

- [D01] Querying Dynamic Datasources with Continuously Mapped Sensor Data**
Ruben Taelman, Pieter Heyvaert, Ruben Verborgh and Erik Mannens
- [D02] Linked Sensor Data Generation using Queryable RML Mappings**
Pieter Heyvaert, Ruben Taelman, Ruben Verborgh and Erik Mannens
- [D03] Smart Trip Alternatives for the Curious**
Damien Graux, Pierre Geneves and Nabil Layaida
- [D04] PIOTRe: Personal Internet of Things Repository**
Eugene Siow, Thanassis Tiropanis and Wendy Hall
- [D05] User-Friendly and Scalable Platform for the Design of Intelligent IoT Services: a Smart Office Use Case**
Femke Ongenaë, Pieter Bonte, Jelle Nelis, Thomas Vanhove and Filip De Turck
- [D06] Linked Corporations Data in Japan**
Shuya Abe, Yutaka Mitsuishi, Shinichiro Tago, Nobuyuki Igata, Seiji Okajima, Hiroaki Morikawa and Fumihito Nishino
- [D07] Local Council Decisions as Linked Data: a proof of concept**
Raf Buyle, Pieter Colpaert, Mathias Van Compernelle, Peter Mechant, Veronique Volders, Ruben Verborgh and Erik Mannens
- [D08] Monitoring, Discussing and Publishing Energy Consumption Data using EnergyUse**
Gregoire Burel, Lara Piccolo and Harith Alani
- [D09] Ontop-spatial for Geospatial Data Integration using GeoSPARQL-to-SQL Translation**
Konstantina Bereta, Guohui Xiao, Manolis Koubarakis, Martina Hodrius, Conrad Bielski and Gunter Zeug
- [D10] Semantic Web Technologies for improving remote visits of museums, using a mobile robot**
Michel Buffa, Catherine Faron Zucker, Thierry Bergeron and Hatim Aouzal
- [D11] FarolApp: Live Linked Data on Light Pollution**
Nandana Mihindukulasooriya, Esteban Gonzalez, Fernando Serena, Carlos Badenes and Oscar Corcho
- [D12] Using Semantic Web Technologies for Explaining and Predicting Abnormal Expenses**
Freddy Lecue, John Vard and Jiewen Wu
- [D13] OntoCASE4G-OWL: Towards a modeling software tool for G-OWL a visual syntax for RDF/RDFS/OWL2**
Michel Héon, Roger Nkambou and Mohamed Gaha
- [D14] An interactive visualisation for RDF data**
Fernando Florenzano, Denis Parra, Juan L. Reutter and Freddie Venegas
- [D15] SWoTSuite: A Toolkit for Prototyping Cross-domain Semantic Web of Things Applications**
Pankesh Patel, Amelie Gyrard, Dhavalkumar Thakker, Amit Sheth and Martin Serrano
- [D16] SemFacet: Faceted Search over Ontology Enhanced Knowledge Graphs**
Bernardo Cuenca Grau, Evgeny Kharlamov, Sarunas Marciuska, Dmitriy Zheleznyakov and Marcelo Arenas
- [D17] SOMM: Industry Oriented Ontology Management Tool**
Evgeny Kharlamov, Bernardo Cuenca Grau, Ernesto Jimenez-Ruiz, Steffen Lamparter, Gulnar Mehdi, Martin Ringsquandl, Yavor Nenov, Stephan Grimm, Mikhail Roshchin and Ian Horrocks
- [D18] SWISH: An Integrated Semantic Web Notebook**
Wouter Beek and Jan Wielemaker
- [D19] MusicWeb: Music Discovery with Open Linked Semantic Metadata**
Alo Allik, Mariano Mora-Mcginity, Gyorgy Fazekas and Mark Sandler
- [D20] Exploring Linked Classical Music Catalogs with OVERTURE**
Pasquale Lisena, Manel Achichi, Eva Fernandez, Konstantin Todorov and Raphaël Troncy
- [D21] Optimizing FOL Reducible Query Answering: Understanding Performance Challenges**
Damian Bursztyn, Francois Goasdoue and Ioana Manolescu
- [D22] Incorporating API data into SPARQL query answers**
Matias Junemann, Juan L. Reutter, Adrian Soto and Domagoj Vrgoc
- [D23] Enriching Answers in Question Answering Systems using Linked Data**
Rivindu Perera, Parma Nand and Gisela Klette
- [D24] Visualizing Semantic Table Annotations with TableMiner+**
Suvodeep Mazumdar and Ziqi Zhang
- [D25] QA4LOV: A Natural Language Interface to Linked Open Vocabulary**
Ghislain Auguste Atemezing and Pierre-Yves Vandenbussche
- [D26] Lexicalizing DBpedia with Realization Enabled Ensemble Architecture: RealText-lex2 Approach**
Rivindu Perera, Parma Nand and Gisela Klette
- [D27] refer: a Linked Data based Text Annotation and Recommender System for Wordpress**
Tabea Tietz, Jörg Waitelonis, Joscha Jäger and Harald Sack
- [D28] A Web Application to Search a Large Repository of Taxonomic Relations from the Web**
Stefano Faralli, Christian Bizer, Kai Eckert, Robert Meusel and Simone Paolo Ponzetto
- [D29] KeywDB: A System for Keyword-Driven Ontology-to-RDB Mapping Construction**
Dmitriy Zheleznyakov, Evgeny Kharlamov, Vidar Klungre, Martin G. Skjæveland, Dag Hovland, Martin Giese, Ian Horrocks and Arild Waaler
- [D30] VLog: A Column-Oriented Datalog System for Large Knowledge Graphs**
Jacopo Urbani, Cerial Jacobs and Markus Krötzsch

[D31] How to feed Apache HBase with petabytes of RDF data: An extremely scalable RDF store based on Eclipse RDF4J framework and Apache HBase database

Adam Sotona and Stefan Negru

[D32] Type Prediction for Entities in DBpedia by Aggregating Multilingual Resources

Thi-Nhu Nguyen, Hideaki Takeda, Khai Nguyen, Ryutaro Ichise and Tuan-Dung Cao

[D33] DBpedia Mappings Quality Assessment

Anastasia Dimou, Dimitris Kontokostas, Markus Freudenberg, Ruben Verborgh, Jens Lehmann, Erik Mannens and Sebastian Hellmann

[D34] Towards an Interface for User-Friendly Linked Data Generation Administration

Anastasia Dimou, Pieter Heyvaert, Wouter Maroy, Laurens De Graeve, Ruben Verborgh and Erik Mannens

[D35] SPARQLGX in Action: Efficient Distributed Evaluation of SPARQL with Apache Spark

Damien Graux, Louis Jachiet, Pierre Geneves and Nabil Layaida

[D36] SPORAL: Searching for Public SPARQL Endpoints

Syed Muhammad Ali Hasnain, Qaiser Mehmood, Syeda Sana E Zainab and Aidan Hogan

[D37] OWLax: A Protege Plugin to Support Ontology Axiomatization through Diagramming

Md. Kamruzzaman Sarker, Adila A. Krisnadhi and Pascal Hitzler

[D38] Modeling OWL with Rules: The ROWL Protege Plugin

Md. Kamruzzaman Sarker, David Carral, Adila A. Krisnadhi and Pascal Hitzler

[D39] A Protege Plugin with Swift Linked Data Miner

Jędrzej Potoniec and Agnieszka Ławrynowicz

[D40] An On-Line Learning to Query System

Jędrzej Potoniec

[D41] The ESSOT System Goes Wild: an Easy Way For Translating Ontologies

Mihael Arcan, Mauro Dragoni and Paul Buitelaar

[D42] Scalable Semantic Access to Siemens Static and Streaming Distributed Data

Evgeny Kharlamov, Sebastian Brandt, Martin Giese, Ernesto Jimenez-Ruiz, Yannis Kotidis, Steffen Lamparter, Theofilos Mailis, Christian Neuenstadt, Özgür Lütfü Özcep, Christoph Pinkel, Ahmet Soyulu, Christoforos Svingos, Dmitry Zheleznyakov, Ian Horrocks, Yannis Ioannidis, Ralf Möller and Arild Waaler

[D43] Representing RDF Stream Processing Queries in RSP-SPIN

Robin Keskisärkkä

[D44] Access Logs Don't Lie: Towards Traffic Analytics for Linked Data Publishers

Luca Costabello, Pierre-Yves Vandenbussche, Gofran Shukair, Corine Deliot and Neil Wilson

[D45] Smart Topic Miner: Supporting Springer Nature Editors with Semantic Web Technologies

Francesco Osborne, Angelo Antonio Salatino, Aliaksandr Birukou and Enrico Motta

[D46] What if Machines Could be Creative?

Fabian M. Suchanek, Colette Menard, Meghyn Bienvenu and Cyril Chapellier

[D47] Yuzu: Publishing Any Data as Linked Data

John P. McCrae

