

Tuesday, 1 June • 11:00-13:00 | **Clio + Efterpi + Thalia + Melpo**

Semantic Web in Use I

Session Chair: Stuart Campbell

LESS - Template-based Syndication and Presentation of Linked Data for End-users
Sören Auer, Raphael Doehring and Sebastian Dietzold

A Pragmatic Approach to Semantic Repositories Benchmarking
Dhavalkumar Thakker, Taha Osman, Shakti Gohil and Phil Lakin

Facet Graphs: Complex Semantic Querying Made Easy
Philipp Heim, Thomas Ertl and Jürgen Ziegler

Ontology Management in an Event-Triggered Knowledge Network
Chen Zhou, Xuelian Xiao, Jeff DePree, Howard Beck and Stanley Su

Tuesday, 1st June • 11:00-13:00 | **Kalia + Erato + Polymnea + Ourania**

Ontologies and Reasoning I

Session Chair: Jeff Pan

Assessing the Safety of Knowledge Patterns in OWL Ontologies
Luigi Iannone, Ignazio Palmisano, Alan Rector and Robert Stevens

OWL Reasoning with MapReduce: Calculating the Closure of 100 Billion Triples
Jacopo Urbani, Spyros Kotoulas, Jason Maassen, Frank van Harmelen and Henri Bal

Reasoning-based Patient Classification for Enhanced Medical Image Annotations
Sonja Zillner

A Generic Approach for Correcting Access Restrictions to a Consequence
Martin Knechtel and Rafael Penaloza

Tuesday, 1st June • 14:30-16:00 | **Clio + Efterpi + Thalia + Melpo**

Web of Data I

Session Chair: Paul Groth

Object Link Structure in the Semantic Web
Weiyi Ge, Jianfeng Chen and Yuzhong Qu.

Hierarchical Link Analysis for Ranking Web Data

Renaud Delbru, Nickolai Toupikov, Michele Catasta, Giovanni Tummarello and Stefan Decker.

ExpLOD: Summary-based Exploration of Interlinking and RDF Usage in the Linked Open Data Cloud

Mariano Consens and Shahan Khatchadourian.

Tuesday, 1st June • 14:30-16:00 | **Kalia + Erato + Polymnea + Ourania**
Mobility and Sensor Networks I
Session Chair: Matthias Wagner

Finding Your Way through the Rijksmuseum with an Adaptive Mobile Museum Guide
Willem Robert van Hage, Natalia Stash, Yiwen Wang and Lora Aroyo

Incremental Reasoning on Streams and Rich Background Knowledge
Davide Francesco Barbieri, Daniele Braga, Stefano Ceri, Emanuele Della Valle and Michael Grossniklaus

Mobile Semantic-based Matchmaking: a Fuzzy DL Approach
Michele Ruta, Floriano Scioscia and Eugenio Di Sciascio

Wednesday, 2nd June • 11:00-13:00 | **Hermes + Apollon**
Social Web I
Session Chair: Wolfgang Nejdl

Efficient Semantic-Aware Detection of Near Duplicate Resources
Ekaterini Ioannou, Odysseas Papapetrou, Dimitrios Skoutas and Wolfgang Nejdl

Using Social Media for Ontology Enrichment
Paola Monachesi and Thomas Markus

Acquiring Thesauri from Wikis by Exploiting Domain Models and Lexical Substitution
Claudio Giuliano, Alfio Massimiliano Gliozzo, Aldo Gangemi and Katerina Tymoshenko

OKBook: Peer-to-Peer Community Formation
Xi Bai, Wamberto Vasconcelos and Dave Robertson

Wednesday, 2nd June • 11:00-13:00 | **Clio + Eferpi + Thalia + Melpo**
Semantic Web in Use II
Session Chair: Sören Auer

Facilitating Dialogue - Using Semantic Web Technology for eParticipation

George Anadiotis, Panos Alexopoulos, Konstantinos Mpaslis, Aristotelis Zosakis, Konstantinos Kafentzis and Konstantinos Kotis

Taking OWL to Athens - Semantic Web Technology Takes Ancient Greek History to Students

Jochen Reutelshoefer, Florian Lemmerich, Joachim Baumeister, Jorit Wintjes and Lorenz Haas

A Web-based Repository Service for Vocabularies and Alignments in the Cultural Heritage Domain

Lourens van der Meij, Antoine Isaac and Claus Zinn

Implementing Archaeological Periods Using CIDOC CRM and SKOS

Ceri Binding

**Wednesday, 2nd June • 11:00-13:00 ☐ | ☐ Kalia + Erato + Polymnea + Ourania
Ontologies and Reasoning II
Session Chair: Adrian Paschke**

Reactive Policies for the Semantic Web

Piero Bonatti, Philipp Karger and Daniel Olmedilla

On the Efficiency of Joining Group Patterns in SPARQL Queries

Maria Esther Vidal, Edna Ruckhaus, Tomas Lampo, Javier Sierra, Amadis Martinez and Axel Polleres

Categorize By: Deductive Aggregation of Semantic Web Query Results

Claudia d'Amato, Nicola Fanizzi and Agnieszka Lawrynowicz

Dealing with Inconsistency when Combining Ontologies and Rules Using DL-programs

Jorg Puhner, Stijn Heymans and Thomas Eiter

**Wednesday, 2nd June • 14:30-16:00 ☐ | ☐ Hermes + Apollon
Software and Services I
Session Chair: Elena Simperl**

Measures for Benchmarking Semantic Web Service Matchmaking Correctness

Ulrich Kuster and Birgitta Konig-Ries

A Model of User Preferences for Semantic Services Discovery and Ranking

Jose Maria Garcia, David Ruiz and Antonio Ruiz-Cortes

Wednesday, 2nd June • 14:30-16:00 | **Clio + Efterpi + Thalia + Melpo**
Web of Data II
Session Chair: Denny Vrandecic

A Node Indexing Scheme for Web Entity Retrieval

Renaud Delbru, Nickolai Toupikov, Michele Catasta and Giovanni Tummarello

Combining Keyword Translation with Structured Query Answering for Efficient Keyword Search

Gunter Ladwig, Thanh Tran, Lei Zhang and Haofen Wang

A Comparative Study of Keyword Search, Query Completion, Result Completion and Faceted Search

Thanh Tran, Tobias Mathäβ, Peter Haase

Wednesday, 2nd June • 14:30-16:00 | **Kalia + Erato + Polymnea + Ourania**
Mobility and Sensor Networks II
Session Chair: Oscar Corcho

Replication and Versioning of Partial RDF Graphs

Bernhard Schandl

A Hybrid Model and Computing Platform for Spatio-Semantic Trajectories

Zhixian Yan, Christine Parent, Stefano Spaccapietra and Dipanjan Chakraborty

Modeling and Querying Metadata in the Semantic Sensor Web: the Model stRDF and the Query Language stSPARQL

Manolis Koubarakis and Kostis Kyzirakos

Thursday, 3rd June • 11:00-13:00 | **Hermes + Apollon**
Social Web II
Session Chair: Steffen Staab

The Impact of Multifaceted Tagging on Learning Tag Relations and Search

Fabian Abel, Daniel Krause and Ricardo Kawase

Semantics, Sensors, and the Social Web: The Live Social Semantics experiments

Martin Szomszor, Ciro Cattuto, Wouter Van den Broeck, Alain Barrat and Harith Alani

Representing Distributed Groups with dgFOAF

Felix Schwagereit, Ansgar Scherp and Steffen Staab

Guarding a Walled Garden - Semantic Privacy Preferences for the Social Web

Philipp Karger and Wolf Siberski

Thursday, 3rd June • 11:00-13:00 | **Clio + Efterpi + Thalia + Melpo**
Semantic Web in Use III

Session Chair: Sebastian Hellmann

Generating Innovation with Semantically Enabled TasLab Portal

Pavel Shvaiko, Alessandro Oltramari, Roberta Cuel, Davide Pozza and Giuseppe Angelini

Interactive Relationship Discovery via the Semantic Web

Philipp Heim, Steffen Lohmann and Timo Stegemann

Context-driven Semantic Enrichment of Italian News Archive

Andrei Taminin, Luciano Serafini, Bernardo Magnini, Christian Girardi, Roberto Zanolli and Mathew Joseph

Put in Your Postcode, Out Comes the Data: A Case Study

Tope Omitola, Igor Popov, Yang Yang and Christos Koumenides

Thursday, 3rd June • 11:00-13:00 | **Kalia + Erato + Polymnea + Ourania**
Ontologies and Reasoning III

Session Chair: Fabio Ciravegna

GeoWordNet: a Resource for Geo-spatial Applications

Fausto Giunchiglia, Vincenzo Maltese, Feroz Farazi and Biswanath Dutta

Aligning Large SKOS-like Vocabularies: Two Case Studies

Anna Tordai, Jacco van Osssenbruggen, Guus Schreiber and Bob Wielinga

Entity Reference Resolution via Spreading Activation on RDF-Graphs

Joachim Kleb and Andreas Abecker

Natural Language Interface to Ontologies: Combining Syntactic Analysis and Ontology-based

Lookup through the User Interaction
Danica Damljanovic and Milan Agatonovic

Thursday, 3rd June • 14:30-16:00 | **Hermes + Apollon**
Software and Services II
Session Chair: Carlos Pedrinaci

Efficient Semantic Event Processing: Lessons Learned in User Interface Integration
Heiko Paulheim

Towards Practical Semantic Web Service Discovery
Martin Junghans and Sudhir Agarwal

Usage Policies for Document Compositions
Sebastian Speiser

Natural Language Interface to Ontologies: Combining Syntactic Analysis and Ontology-based Lookup through the User Interaction
Danica Damljanovic and Milan Agatonovic

Thursday, 3rd June • 14:30-16:00 | **Clio + Efterpi + Thalia + Melpo**
Web of Data III
Session Chair: Yannis Tzitzikas

An Unsupervised Approach for Acquiring Ontologies and RDF Data from Online Life Science Databases
Mohammad S. Mir, Steffen Staab and Isabel Rojas

Leveraging Terminological Structure for Object Reconciliation
Jan Noessner, Mathias Niepert, Christian Meilicke and Heiner Stuckenschmidt

Improving the Performance of Semantic Web Applications with SPARQL Query Result Caching
Michael Martin, Jörg Unbehauen and Sören Auer