



ESWC2012 Conference Program



Tutorials & Workshops: Sunday, May 27th, 2012

ROOM	HERMES	CLIO	EFTERPI	THALIA	MELPO	KALIA	ERATO	POLYMNEA	OURANIA	APOLLON
9:00 - 09:30	Plenary: Highlights of the Day Session Chairs: Alexandre Passant Raphaël Troncy Emanuella della Valle Irini Fundulaki									OWLED Workshop
9:30 - 10:30		Tutorial 1: Creating Knowledge out of Interlinked Data:The LOD2 Tool Stack	Workshop 1 SBPM: Semantic Business Process Management	Workshop 2 KNOW: Knowledge Discovery and Data Mining Meets Linked Open Data	Workshop 3 LAPIS: Linked APIs for the Semantic Web: An essential problem in need of a fresh look	Workshop 4 RED: REsource Discovery			Workshop 5 SIMI: Semantic Interoperability in Medical Informatics	
10:30 - 11:00	COFFEE BREAK									
11:00 - 12:30		Tutorial 1: Creating Knowledge out of Interlinked Data:The LOD2 Tool Stack	Workshop 1 SBPM: Semantic Business Process Management	Workshop 2 KNOW: Knowledge Discovery and Data Mining Meets Linked Open Data	Workshop 3 LAPIS: Linked APIs for the Semantic Web: An essential problem in need of a fresh look	Workshop 4 RED: REsource Discovery			Workshop 5 SIMI: Semantic Interoperability in Medical Informatics	OWLED Workshop
12:30 - 14:00	LUNCH BREAK									
14:00 - 15:30		Tutorial 2: The Web of Data for E-Commerce in Brief - Good Relations	Tutorial 3: Data models, Query Languages, Implemented Systems and Applications of Linked Geospatial Data	Workshop 6 FEOSW: Finance and Economics on the Semantic Web	Workshop 3 LAPIS: Linked APIs for the Semantic Web: An essential problem in need of a fresh look	Workshop 4 RED: REsource Discovery			Workshop 5 SIMI: Semantic Interoperability in Medical Informatics	OWLED Workshop
15:30 - 16:00	COFFEE BREAK									
16:00 - 17:30		Tutorial 2: The Web of Data for E-Commerce in Brief - Good Relations	Tutorial 3: Data models, Query Languages, Implemented Systems and Applications of Linked Geospatial Data	Workshop 6 FEOSW: Finance and Economics on the Semantic Web	Workshop 3 LAPIS: Linked APIs for the Semantic Web: An essential problem in need of a fresh look	Workshop 4 RED: REsource Discovery			Workshop 5 SIMI: Semantic Interoperability in Medical Informatics	OWLED Workshop



ESWC2012 Conference Program



Tutorials, Workshops & PhD Symposium: Monday, May 28th, 2012

ROOM	HERMES	CLIO	EFTERPI	THALIA	MELPO	KALIA	ERATO	POLYMNEA	OURANIA	ORPHEAS	APOLLON
9:00 - 09:30	Plenary: Highlights of the Day Session Chairs: Alexandre Passant Raphaël Troncy Emanuella della Valle Irini Fundulaki										OWLED Workshop
9:30 - 10:30		Tutorial 4: Accessing the Semantic Web via Statistical Machine Learning	Workshop 7 IWEST: Evaluation of Semantic Technologies	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	
10:30 - 11:00	COFFEE BREAK										
11:00 - 12:30		Tutorial 4: Accessing the Semantic Web via Statistical Machine Learning	Workshop 7 IWEST: Evaluation of Semantic Technologies	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
12:30 - 14:00	LUNCH BREAK										
14:00 - 15:30		Tutorial 5: Adaptive Semantic Data Management Techniques for Federations of Endpoints	Tutorial 6: The Web of Things	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
15:30 - 16:00	COFFEE BREAK										
16:00 - 17:30		Tutorial 5: Adaptive Semantic Data Management Techniques for Federations of Endpoints	Tutorial 6: The Web of Things	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
	Plenary: Welcome and Pre-Conference Keynote Speech Session Chair: Elena Simperl Julius van der Laar , digital media strategist, DE CuttingThrough the Noise: How to Shape Public Perception, Frame the Debate and Effectively Engage Your Audience in the Digital Age										



ESWC2012 Conference Program



Main Conference Day: Tuesday, May 29th, 2012

ROOM	HERMES/APOLLON	CLIO/EFTERPI/THALIA/MELPO	KALIA/ERATO/POLYMNEA/OURANIA	ORPHEAS
9:00 - 10:30	Keynote Speech Session Chair: Philipp Cimiano Abraham Bernstein , University of Zurich, CH Semantic Web/LD at a Crossroads: Into the Garbage Can or to Theory?			
10:30 - 11:00	COFFEE BREAK			
11:00 - 12:30	SEMANTIC DATA MANAGEMENT I Session Chair: Axel Polleres 1. Castor: a Constraint-based SPARQL Engine with Active Filter Processing Vianney Le Clément De Saint-Marcq Yves Deville Christine Solnon Pierre-Antoine Champin 2. Is SPARQL Suitable for Linked Data on the Web? Olaf Hartig 3. Domain Specific Data Retrieval on the Semantic Web Tuukka Ruotsalo	ONTOLOGIES I Session Chair: Georg Lausen 1. Evaluation of the Music Ontology Framework Yves Raimond Mark Sandler 2. The ISOcat Registry Reloaded Claus Zinn Christina Hoppermann Thorsten Trippel 3. The Current State of SKOS Vocabularies on the Web Nor Azlinayati Abdul Manaf Sean Bechhofer Robert Stevens	SOCIAL WEB Session Chair: Matthew Rowe 1. Automatic Identification of Best Answers in Online Enquiry Communities Gregoire Burel Yulan He Harith Alani 2. Characterising Emergent Semantics in Twitter Lists Andrés García-Silva Jeon-Hyung Kang Kristina Lerman Oscar Corcho 3. Crowdsourcing Taxonomies Peter Triantafillou Dimitris Karampinas	AI Mashup Challenge
12:30 - 14:00	LUNCH BREAK			
14:00 - 15:30	Keynote Speech Session Chair Philipp Cimiano Jeroen van Grondelle , Be Informed, NL New Audiences for Ontologies: Dealing with Complexity in Business Processes			
15:30 - 16:00	COFFEE BREAK			
16:00 - 17:30	LINKED DATA I Session Chair: Raphael Troncy 1. Linked Data-based Concept Recommendation: Comparison of Different Methods in Open Innovation Scenario Danica Damjanovic Milan Stankovic Philippe Laublet 2. Finding Co-solvers on Twitter, with a Little Help from Linked Data Milan Stankovic Matthew Rowe Philippe Laublet 3. Assessing Linked Data Mappings using Network Measures Christophe Guéret Paul Groth Claus Stadler Jens Lehmann	REASONING Session Chair: Johanna Völker 1. Modelling Structured Domains Using Description Graphs and Logic Programming Despoina Magka Boris Motik Ian Horrocks 2. Extending Description Logic Rules David Carral Martínez Pascal Hitzler 3. Prexto: Query Rewriting under Extensional Constraints in DL-Lite Riccardo Rosati	MACHINE LEARNING I Session Chair: Volker Tresp 1. Unsupervised Learning of Data Linking Configuration Andriy Nikolov Mathieu D'Aquin Enrico Motta 2. Graph Kernels for RDF data Uta Lösch Stephan Bloehdorn Achim Rettinger 3. Exploiting Information Extraction, Reasoning and Machine Learning for Relation Prediction Xueyan Jiang Yi Huang Maximilian Nickel Volker Tresp	
19:00 - 21:00	Poster and Demo Session			



ESWC2012 Conference Program



Main Conference Day: Wednesday, May 30th, 2012

ROOM	HERMES/APOLLON	CLIO/EFTERPI/THALIA/MELPO	KALIA/ERATO/POLYMNEA/OURANIA	ORPHEAS
9:00 - 10:30	Keynote Speech Session Chair: Axel Polleres Monica Lam , Stanford University, USA Musubi: A Decentralized Mobile Social Web			
10:30 - 11:00	COFFEE BREAK			
11:00 - 12:30	E-GOVERNMENT: Using Semantics for Promoting Interoperability in the Public Sector Session Chair: Vassilios Peristeras 1. A Publishing Pipeline for Linked Government Data Fadi Maali Richard Cyganiak Vassilios Peristeras 2. Achieving Interoperability Through Semantic Technologies in the Public Administration Chiara Di Francescomarino Mauro Dragoni Matteo Gerosa Chiara Ghidini Marco Rospocher Michele Trainotti	ONTOLOGIES II Session Chair: Chiara Ghidini 1. Representing Mereotopological relations in OWL Ontologies with OntoPar Maria Keet Francis De La C. Fernandez Reyes Annette Morales Gonzalez-Quevedo 2. SCHEMA - An Algorithm for Automated Product Taxonomy Mapping in E-commerce Steven Aanen Lennart Nederstigt Damir Vandić Flavius Frasinčar 3. Voting Theory for Concept Detection Amal Zouaq Dragan Gasević Marek Hatala	SEMANTIC WEB in USE I Session Chair: Peter Haase 1. Generating Possible Interpretations for Statistics from Linked Open Data Heiko Paulheim 2. Product customization as Linked Data Edouard Chevalier François-Paul Servant 3. Green-Thumb Camera: LOD Application for Field IT Takahiro Kawamura	
12:30 - 14:00	LUNCH BREAK			
14:00 - 15:30	Keynote Speech Session Chair: Elena Simperl Marta Nagy-Rothengass , European Commission DG Information Society and Media, LU Enhancing the Data Value Chain in Europe			
15:30 - 16:00	COFFEE BREAK			
16:00 - 17:30	DIGITAL LIBRARIES AND CULTURAL HERITAGE Session Chair: Harald Sack 1. Supporting Linked Data Production for Cultural Heritage institutes: The Amsterdam Museum Case Study Victor De Boer Jan Wielemaker Judith Van Gent Michiel Hildebrand Antoine Isaac Jacco Van Ossenbruggen Guus Schreiber 2. Curate and Storyspace: An Ontology and Web-based Environment for Describing Curatorial Narrative Paul Mulholland Annika Wolff Trevor Collins 3. Getting Mathematics Towards the Web of Data: the Case of the Mathematics Subject Classification Christoph Lange Patrick Ion Anastasia Dimou Charalampos Bratsas Wolfram Sperber Michael Kohlhase Ioannis Antoniou	NATURAL LANGUAGE PROCESSING AND INFORMATION RETRIEVAL Session Chair: Dunja Mladenić 1. TELIX: An RDF-based Model for Linguistic Annotation Emilio Rubiera Luis Polo Diego Berrueta Adil El Ghali 2. POWLA: Modeling Linguistic Corpora in OWL/DL Christian Chiarcos 3. LODifier: Generating Linked Data from Unstructured Text Isabelle Augenstein Sebastian Padó Sebastian Rudolph	SEMANTIC WEB in USE II Session Chair: Nenad Stojanović 1. Learning Driver Preferences of POIs using a Semantic Web Knowledge System Rahul Parundekar Kentaro Oguchi 2. From Web 1.0 to Social Semantic Web: Lessons Learnt from a Migration to a Medical Semantic Wiki Thomas Meilender Jean Lieber Fabien Palomares Nicolas Jay 3. Assembling Rule Mashups in the Semantic Web Guillermo González-Moriyón Luis Polo Diego Berrueta Carlos Tejo-Alonso Miguel Iglesias	Roadmapping Workshop
17:45 - 18:30	Panel Session: Semantic Technology and Big Data Panel Chair: John Davies			
20:00 - 24:00	Conference Gala Dinner & Dinner Speech Session Chair: Elena Simperl John Dominigue , The Open University, UK & STI International, AT Improving the Impact and Takeup of Semantic Web Research			



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ESWC2012 Conference Program



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Main Conference Day: Thursday, May 31st, 2012

ROOM	HERMES/APOLLON	CLIO/EFTERPI/THALIA/MELPO	KALIA/ERATO/POLYMNEA/OURANIA	ORPHEAS
9:00 - 10:30	Keynote Speech Session Chair Philipp Cimiano Alon Halevy , Google, Data Spaces, USA Bringing (Web) Databases to the Masses			
10:30 - 11:00	COFFEE BREAK			
11:00 - 12:30	SEMANTIC DATA MANAGEMENT II Session Chair: Oscar Corcho 1. Semi-Automatically Mapping Structured Sources into the Semantic Web Craig Knoblock Pedro Szekely José Luis Ambite Aman Goel Shubham Gupta Kristina Lerman Parag Mallick Maria Muslea Mohsen Taherian 2. Enhancing OLAP Analysis with Web Cubes Lorena Etcheverry Alejandro A. Vaisman 3. Exchange and Consumption of Huge RDF Data Miguel A. Martinez-Prieto Mario Arias Gallego Javier D. Fernández	LINKED DATA & SERVICES II Session Chair: Andreas Harth 1. Preserving Information Content in RDF using Bounded Homomorphisms Audun Stolpe Martin G. Skjæveland 2. A Novel Concept-based Search for the Web of Data using UMBEL and a Fuzzy Retrieval Model Melike Sah Vincent Wade 3. COV4SWS.KOM: Information Quality-aware Matchmaking for Semantic Services Stefan Schulte Ulrich Lampe Matthias Klusch Ralf Steinmetz	SEMANTIC WEB in USE III Session Chair: Philippe Cudre-Mauroux 1. Clinical Trial and Disease Search With Ad Hoc Interactive Ontology Alignments Daniel Sonntag Jochen Setz Sonja Zillner 2. Using Relationships Between Ontologies To Enhance Ontology Search Carlo Allocca Mathieu D'Aquin Enrico Motta 3. Semantics Visualization for Fostering Search Result Comprehension Christian Stab Kawa Nazemi Matthias Breyer Dirk Burkhardt	
12:30 - 14:00	LUNCH BREAK			
14:00 - 15:30	Keynote Speech Session Chair: Axel Polleres Alek Kolcz , Twitter, USA Large Scale Learning at Twitter			
15:30 - 15:45	COFFEE BREAK			
15:45 - 17:15	SEMANTIC DATA MANAGEMENT III & LINKED DATA II Session Chair: Maria-Esther Vidal 1. A Structural Approach to Indexing Triples Francois Picalausa Yongming Luo George H. L. Fletcher Jan Hidders Stijn Vansummeren 2. Top-K Linked Data Query Processing Andreas Wagner Thanh Tran Günter Ladwig Andreas Harth 3. Learning the Query-Independent Ranking of RDF Entity Search Results Lorand Dali Blaz Fortuna Thanh Tran Duc Dunja Mladenic	MACHINE LEARNING II Session Chair: Marko Grobelnik 1. Automatic Configuration Selection Using Ontology Matching Task Profiling Isabel F. Cruz Alessio Fabiani Federico Caimi Cosmin Stroe Matteo Palmonari 2. EAGLE: Efficient Active Learning of Link Specifications using Genetic Programming Axel-Cyrille Ngonga Ngomo Klaus Lyko 3. An approach for Named Entity Recognition in Poorly Structured Data Nuno Freire, Jose Borbinha Pável Calado	SEMANTIC WEB in USE IV Session Chair: Yves Raymond 1. Declarative Representation of Programming Access to Ontologies Stefan Scheglmann Ansgar Scherp Steffen Staab 2. Evaluating Scientific Hypotheses Using the SPARQL Inferencing Notation Alison Callahan Michel Dumontier 3. Towards Inductive Query-Relaxation for RDF Aidan Hogan Marc Mellotte Gavin Powell Dafni Stampouli	
17:30 - 18:30	CLOSING AND AWARD CEREMONY			