



ISWC2011 - OASIS Symposium

Monday, 24th October 2011: 14:00--18:00

Programme

13:30 - 14:00	Registration	
	Demo of the OASIS Content connector and ontology management tools	
14:00 - 14:05	Introduction John Bateman	The topics of the Symposium
14:05 - 14:20	Opening Session Angelos Bekiaris	The OASIS concept
14:20 -15:20	The OASIS development: design, methods, applications and the future	
14:20 -14:40	John Bateman	The OASIS Hyperontology Framework + Methodology
14:40-15:00	Dionisis Kehagias	The OASIS Application Semantic (Inter-)Connection Framework
15:00-15:20	Oliver Kutz (UniBremen) / Christoph Lange (UniBremen)	The OntoOp ISO-standardisation initiative
15:20-16:35	Approaches and Issues in Ontology-based Semantic Interoperability	
15:20-15:50	Dr. Pieter De Leenheer	Insights in Business Semantics Management
15:50-16:20	Prof. Michael Grüninger (Univ. Toronto)	Using the ISO standard Common Logic for ontology building and open repositories
16:20-16:45	COFFEE BREAK	
	Demo of the OASIS Content connector and ontology management tool	
16:35-18:00	ROUND TABLE The future of Ontology-based Semantic Interoperability	
16:45-16:55	Prof. Dr.-Ing. Ralph Welge (ENS - Freies Institut für Technische Informatik)	Semantic Interoperability for Ambient Assisted Living
16:55-17:05	Dr. Wout Hofman (TNO, The Netherlands)	Approaches and Methods in the Cassandra project: Architecture for semantic interoperability based on ontologies
17:05-17:15	Christian Galinski (InfoTerm) / Prof. Helmut Beckmann (Uni Heilbronn)	eAccessibility & eInclusion in public eProcurement Concept Coding Framework (lightweight ontologies)
17:15-17:50	Discussion (with all speakers)	
17:50-18:00	Conclusion: Roadmaps for advanced Interoperability	
18:00	Demo of the OASIS Content connector and ontology management tool	

Invited Talk Abstracts

Using the ISO standard Common Logic for ontology building and open repositories

Prof. Michael Grüninger

(University of Toronto, Canada)

The COLORE (Common Logic Ontology Repository) project is building an open repository of first-order ontologies that serve as a testbed for ontology evaluation and integration techniques, and that can support the design, evaluation, and application of ontologies in first-order logic. All ontologies are specified using Common Logic (ISO 24707), which is a recently standardized logical language for the specification of first-order ontologies and knowledge bases. This talk will give a brief overview of the application of Common Logic to ontology design and analysis within the context of ontology repositories.

Insights in Business Semantics Management

Dr. Pieter De Leenheer

(VU University Amsterdam, Gartner Cool Vendor 2011 and STARLab at Vrije Universiteit Brussel)

Clear and uniform business definitions are an essential starting point for information governance. However, many tools applied for managing them still operate on the mere technical metadata level. Yet, to empower business-driven information governance, technical metadata should be seeking grounding in [business semantics](#) that are agreed on by subject matter experts. They define a richer contextual meaning of key business assets for your organization in terms of business vocabularies and rules.

Walking through business cases in technology, finance and government, attendees will learn that:

1. [Business semantics](#) in [OMG SVBR](#) is structured in such a way that it provides a shared understanding on rules and policies regarding information assets, as well as a technical specification that can be applied in the technical infrastructure.
2. Feedback from their application in data integration, provides deep insights into the quality of [business semantics](#) and information.
3. Agreeing on and total quality assurance of business semantics requires a collaborative and iterative approach, involving relevant subject matter experts from both business and IT.
4. In this collaborative effort, workflows practically implement the orchestration of tasks to stakeholders according to their roles and responsibilities.