Ontology-based Standards Mini-Series: community brainstorm and program planning

Elisa Kendall and Michael Grüninger

http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologyBasedStandards

July 18, 2013
The Ontology Based Standards mini-series is a joint initiative by OASIS, OMG, various ISO working groups, IAOA, OOR and ONTOLOG.

This is a collaborative effort by the co-organizers to drive the Ontology-based Standards agenda among the Standards Development community, the Ontology community and the Systems community.

Coordination with the IAOA Standardization Coordination Committee – foster interactions between the ontology and standards communities, and to facilitate the application of ontologies and ontological analysis to existing and emerging standards.
Scope

- Standards that contain ontologies
  - PSL (ISO 18629), ISO 15926
  - OWL-S
- Standards related to the ontology lifecycle
  - Languages (OWL, Common Logic)
  - Repositories (ISO 19763, ISO 20943)
  - Ontology mappings and relationships (OntoIoP)
- Using ontologies to augment and harmonize standards
  - IDIOM (ISO TC184 SC4)
Previous Meetings

Moving Forward with Ontology-based Standards: Sharing Experiences

- The kickoff event for the miniseries was on 25 October 2012 and showcased efforts from the OASIS ICOM TC
  http://ontolog.cim3.net/cgi-bin/wiki.pl?ConferenceCall_2012_10_25
- The second session (8 Nov 2012) featured exemplary work from OMG that is advancing the state-of-the-art in regards to Ontology-based Standards
  http://ontolog.cim3.net/cgi-bin/wiki.pl?ConferenceCall_2012_11_08
October 2012 Panelists

- Michael Gruninger (IAOA; U of Toronto)  
  *Augmenting Standards with Ontologies*

- Ken Baclawski (ICOM; Northeastern U) and Eric S. Chan (Oracle)  
  *Extracting Ontologies from Standards: Experiences and Issues*

- Elisa Kendall (OMG; Thematix)  
  *Semantics and Standards Interoperability at OMG*

- Mark Linehan (IBM Research)  
  *The Date-Time Vocabulary, and Mapping SBVR to OWL*

- Davide Sottara (Arizona State U)  
  *API for Complex Knowledge Bases: proposals and challenges*
Discussion Questions – Topics for Future Ontolog Sessions

- Do we focus on developing standards or on the application of existing ontology-based standards by industry?
- Updates for projects discussed in earlier sessions or projects that have not been presented before?
- Which topics have the best potential for synergies between the standards and ontology communities?