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

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

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Ontology Based Standards

- 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?