Ontology Summit 2016:
Framing the Conversation:
Ontologies within Semantic Interoperability Ecosystems
Summit Launch – February 11, 2016

Healthcare Track

Co-Champions:
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Healthcare Track: Goal

- Healthcare and biomedical domains: a very large ecosystem of vocabularies and ontologies
 - Health Level Seven (HL7): http://www.hl7.org/
 - Open Biological and Biomedical Ontologies (OBO): http://www.obofoundry.org/
 - National Center for Biomedical Ontology (NCBO) BioPortal: http://bioportal.bioontology.org/
 - Systematized Nomenclature for Medicine Clinical Terms (SNOMED-CT): https://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html
 - International Classification of Diseases (ICD)-9 and ICD-10: http://www.cdc.gov/nchs/icd/icd9.htm, http://www.cdc.gov/nchs/icd/icd10cm.htm
 - Logical Observation Identifiers Names and Codes (LOINC): https://loinc.org/
 - RxNorm (normalized names for clinical drugs): https://www.nlm.nih.gov/research/umls/rxnorm/
 - SOLOR (normalized terminology model of SNOMED, LOINC, RxNorm): US Veterans Health Administration (VHA)
 - Federal Health Information Model (FHIM): http://www.fhims.org/content/420A62FD03B6_root.html
 - Fast Health Interoperability Resources (FHIR): https://www.hl7.org/fhir/
- Goal of Track: To provide insight into the nature of semantic interoperability issues and approaches in the Healthcare ecosystem

Healthcare Track: Mission

- Present issues of semantic interoperability and integration in domain of healthcare: Example: Semantic Electronic Health Record (EHR) and Systems
- Discuss approaches in semantic interoperability and integration in healthcare: precoordination, postcoordination, mapping, anchoring, foundational ontologies and architectures, hybrid approaches
- Discuss approaches for achieving semantic interoperability of vocabularies and ontologies in healthcare
- Discuss gaps in current approaches in semantic interoperability in healthcare
- Discuss current/future challenges and prospects in semantic interoperability in healthcare
- Propose best methods for achieving semantic interoperability in healthcare

Healthcare Track: Proposed Speakers

March 10:

- Nigam Shah (Center for Biomedical Informatics Research, Stanford University, USA)
- Kincho Law (Department of Civil and Environmental Engineering, Stanford University, USA)
- Olivier Bodenreider (US National Library of Medicine, USA)
- Jans Aasman (Franz, Inc., USA)

April 7:

- Amit Sheth (Kno.e.sis, Wright State University, USA)
- Barry Smith (U-Buffalo, NY, National Center for Ontological Research, USA)
- Keith Campbell (US Veterans Health Administration (VHA) Knowledge-Based Systems, USA)
- Leo Obrst (MITRE, USA)

Healthcare Track: Outcomes

- Action items for joint Industry, Academia, Government strategies for semantic interoperability in healthcare
- Action items for future research
- Recommendations for Communiqué