Ontology Summit 2013
Ontology Evaluation Across the Lifecycle

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Pre-launch Meeting

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Ontology Summits

- Each ontology summit is a a series of both virtual and face-to-face activities that span about 3 months.
- This year's Ontology Summit (the 8th in the series) is co-organized by Ontolog, NIST, NCOR, NCBO, IAOA, NCO-NITRD

Ontology Summit 2013 Team

- Ontology Summit General Co-Chairs
  - ▸ One co-chair, to be assumed by the President of IAOA
  - ▸ One co-chair designated by the Organizers / Organizing Committee
- Ontology Summit Symposium Co-Chairs
  - ▸ One co-chair designated by NIST (our symposium host)
  - ▸ One co-chair designated by the Organizing Committee
- Organizing Committee
  - ▸ comprising Content Track and other Champions, as well as Communique Editors (from the co-organizers and community volunteers)
- Advisory Committee (invited by the Organizing Committee)
- Co-Sponsors (who support this endeavor)

Pre-Launch Objectives

- Refining and adopting the theme for the 2013 Ontology Summit
- Brainstorming of ideas that support this theme
  - ▶ Approaches: program, process, ...
  - ▶ Topics / Tracks
  - ▶ Collaborators (partnering communities)
  - ▶ Identifying Experts / Speakers / Invitees
  - ▶ Marketing / Sponsors
- Getting volunteers to help organize this Summit

Today's Agenda

- Introductions
- Review of current proposals for topics and tracks for this year's theme
- Open Discussion (adding/refining/removing topics)
- Identifying volunteers/champions and invite them to join us in the organizing committee
- Summary and wrap-up

Ontology Summit 2013: Theme

Ontology Evaluation Across the Ontology Lifecycle

- Currently, there is no agreed methodology for development of ontologies, and there are no universally agreed metrics for ontology evaluation. At the same time, everybody agrees that there are a lot of badly engineered ontologies out there, thus people use – at least implicitly – some criteria for the evaluation of ontologies.
- The goal for Ontology Summit 2013 is to identify best practices for ontology development and evaluation.
- We will consider the entire lifecycle of an ontology – from requirements gathering and analysis, through to design and implementation.

Candidate Track 1

Dimensions of Ontology Evaluation

- Addresses notions of verification, validation, quality, ranking, metrics
- We might use the following work from Ontology Summit 2012: "Ontology Quality and Large-Scale Systems" Synthesis

  `http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2012_Quality_Synthesis`

Candidate Track 2

Evaluation and the Ontology Application Framework

- This track looks at the problem of ontology evaluation from the perspective of the applications that use the ontologies. This Framework was one of the outcomes of Ontology Summit 2011

  http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2011_ApplicationFramework_Synthesis

Candidate Track 3

Best Practices in Ontological Analysis

- This track focuses on the ontology evaluation based on the ontology itself, such as logical criteria (consistency, completeness, modularity) and ontological analysis techniques (e.g. OntoClean).

Candidate Track 4

Requirements for Ontologies

- How do we specify the requirements against which we evaluate ontologies?
- Requirements management for evolving ontologies

Candidate Track 5

Environments for Developing and Evaluating Ontologies

- What can we learn from software engineering?
- What are best practices for evaluation that we can adapt from software engineering, particularly with distributed open-source software development?

Open Discussion

Given the Theme, please suggest ...

- Approaches: program, process, ...
- Topics / Tracks
- Collaborators (partnering communities)
- Identifying Experts / Speakers / Invitees
- Marketing / Sponsors

Volunteering for the Team

- Who can help engage other targeted individuals/communities
- Volunteers to help organize Sign your company/institution up as a co-sponsor (Co-sponsors are organizations who are providing technical or funding support, and/or endorsing the objective of this Ontology Summit).
- Identifying volunteers/champions and invite them to join us in the organizing committee

Upcoming Events

- The Organizing Committee will
  - Elect chairs and champions
  - Finalize the Tracks and the organization to tackle them
  - Finalize the approach and process
- Next Organizing Committee Meeting
  - Friday 2012.12.14 (please mark your calendars)
- OntologySummit2013 "Launch Event"
  - Thursday 2013.01.17 (please mark your calendars)