

Ontology Summit 2011: Making the Case for Ontology

Community Input & Brainstorming Session
December 16, 2010

Steve Ray, CMU
Nicola Guarino, ISTC-CNR

Calendar of Events

Launch of the 2011 Ontology Summit

Thursday, 20-Jan-2011

Virtual event, starting 17:30 UTC

(note: this is 1 Hr earlier than our normal Ontolog event slot)

... 3 months of on-line discussion and production of tangible results

March/April, 2011 at NIST, Gaithersburg MD

Ontology Summit Symposium

for final discussions and polishing of a communiqué

The Team

- Organizers:
 - Ontolog, NIST, NCOR, NCBO, IAOA, NCO-NITRD, ...
- Ontology Summit General Co-Chairs
 - Steve Ray, CMU
 - Nicola Guarino, ISTC-CNR
- Ontology Summit Symposium Co-Chairs
 - Ram Sriram, NIST
 - Leo Obrst, MITRE
- Organizing Committee
- Track Champions
- Advisory Committee
- Co-Sponsors
- Community Participants

Today's Objective

- Introduction of the theme of the 2011 Summit
- Brainstorming of ideas that support this theme
 - Topics / Tracks
 - Speakers
 - Invitees
 - Sponsors
 - Marketing
 - Approaches
 - Volunteers ...

Agenda

- Introduction and ideas
- Open floor for even more ideas
(Please use the chat room to ensure your ideas are properly recorded)
- Collecting volunteers for the full team
- Summary & wrap-up

2011 Summit:

Making the Case for Ontology

Themes

1. Documented domain examples
 - Good examples where using an ontology brings clear benefits to addressing a commercial need
2. Assessing the different needs and the corresponding ontology features
 - According to application domain
 - According to different ontology uses (e.g., information access vs. information integration – lightweight vs. deep ontologies)
3. Challenges going forward
 - Unmet commercial and research needs

More Possible Themes

- 4. Retrospective analyses of proposed solutions to old problems
- 5. New applications, new technologies?
- 6. Identifying a Grand Challenge
- ... *(more)*

Domains to Draw From

- Healthcare informatics and biomedical
- Cyber-physical systems, embedded systems
- Socio-technical systems
- Software engineering, knowledge engineering, systems engineering
- Traditional engineering applications
 - Civil, mechanical, aerospace...
- Enterprise and system architecture
- Government applications
- Cybersecurity
- Financial services
- Cloud (massively parallel) computing

Open Discussion

- Relevant ideas and approaches
- What tracks should we have?
- Who are the content experts?
- Who are the champions?