

Ontology Summit 2014

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Tagline

Big Data and Semantic Web Meet Applied Ontology

Introduction

The theme adopted for this Ontology Summit is: "Big Data and Semantic Web Meet Applied Ontology." This is our 9th [OntologySummit](#), a joint initiative by [NIST](#), [Ontolog](#), [NCOR](#), [NCBO](#), [IAOA](#) & [NCO_NITRD](#) with the support of our co-sponsors.

Contact Information

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include presentations and discussion; materials and recordings are available shortly thereafter for those not able to participate in real time. Discussion runs continuously on the [ontology-summit] discussion list. Some projects related to summit topic, mostly inspired by summit conversations, will get some development time (and a chance to win prizes) during the summit Hackathon. The finale of the summit will be a face-to-face Symposium, and the synthesized results of this season's discourse will be published as a Communiqué.

Since the beginnings of the Semantic Web, ontologies have played key roles in the design and deployment of new semantic technologies. Yet over the years, the level of collaboration between the Semantic Web and Applied Ontology communities has been much less than expected. Within Big Data applications, ontologies appear to have had little impact.

This year's Ontology Summit is an opportunity for building bridges between the Semantic Web, Linked Data, Big Data, and Applied Ontology communities. On the one hand, the Semantic Web, Linked Data, and Big Data communities can bring a wide array of real problems (such as performance and scalability challenges and the variety problem in Big Data) and technologies (automated reasoning tools) that can make use of ontologies. On the other hand, the Applied Ontology community can bring a large body of common reusable content (ontologies) and ontological analysis techniques. Identifying and overcoming ontology engineering bottlenecks is critical for all communities.

Ontology Summit 2014 will pose and address the primary challenges in these areas of interaction among the different communities. The Summit activities will bring together insights and methods from these different communities, synthesize new insights, and disseminate knowledge across field boundaries.

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