



Department of Computer Science and Engineering

Presents

Barry Smith, University at Buffalo

Ontological Engineering

How can we master the ever-increasing flood of biomedical information in a world in which each biological and medical discipline and each hospital system and research group uses its own guidelines for terminology and categorization? One answer to this question consists in the creation of ontologies designed to allow consistent description and management of heterogeneous bodies of data. To serve data integration these ontologies must satisfy common principles of ontology design in such a way that they form part of a single, consistent network. But what should these principles be, and how should scientists and institutions with ontology needs be incentivized to adopt them? The talk will outline the OBO (Open Biomedical Ontologies) Foundry initiative that is attempting to provide evidence-based answers to these questions, and it describes a number of ontology projects currently being realized in Buffalo within the OBO Foundry framework.

Barry Smith is SUNY Distinguished Professor in the Department of Philosophy and Director of the National Center for Ontological Research (NCOR) and Center for Brain and Behavior Informatics (CBBI). In addition to his work in biomedical ontology he also provides ontology services to the German Federal Health Ministry, the US Army, and the US Joint Forces Command.

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3:30 – 4:30 PM

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University at Buffalo - North Campus

This talk is free and open to the public.

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