



# ONTOLOGY FOR THE INTELLIGENCE COMMUNITY: TOWARDS EFFECTIVE EXPLOITATION AND INTEGRATION OF INTELLIGENCE RESOURCES

NOVEMBER 28-29, 2007 · COLUMBIA, MD

## TENTATIVE PROGRAM

### WEDNESDAY, NOVEMBER 28

- 8:30 am Registration & Continental Breakfast
- 9:15 am Introduction and Welcome: Barry Smith  
National Center for Ontological Research  
(NCOR), University at Buffalo
- 9:30 am INVITED TALK: Todd Hughes (DARPA)  
*Toward a Data Integration and  
Exploitation System that Learns*
- 10:15 am INVITED TALK: Werner Ceusters (NCOR)  
*How to Keep Track of Absolutely Everything*
- 11:00 am Morning Break
- 11:20 am *Uses of Ontologies in Open-Source Blog Mining*  
Brian Ulicny, Chris Matheus, Mitch Kokar,  
Ken Baclawski
- 11:40 am *Policies for Public Domain Ontologies  
for the Intelligence Community*  
Elisa F. Kendall, Jay Jacobs,  
Deborah L. McGuinness, Stephen Schwab
- 12:00 pm Lunch (Hilton Columbia Atrium)
- 1:15 pm INVITED TALK: Steven Robertshaw  
(Defence Science and Technology  
Laboratory (DSTL), UK)  
*Ontology vs. Ontologies: The Intelligence  
Community Needs to Embrace Both*
- 2:00 pm *The Use of Ontologies to Support  
Intelligence Analysis*  
Richard Lee
- 2:20 pm *Creating a Geospatial and Visual  
Information Ontology for Analysts*  
Chumki Basu, Hui Cheng, Christiane Fellbaum
- 2:40 pm Afternoon Break
- 3:10 pm *A Multi-INT Geospatial and Temporal  
Semantic Reasoning Framework for  
Intelligence Analysis Support*  
Terry Janssen, Herbert Basik,  
Mike Dean, Barry Smith
- 3:30 pm *Ontologies and Probabilities:  
Working Together for Effective Multi-INT Fusion*  
Eric Little, Kathryn B. Laskey, Terry Janssen
- 3:50 pm Close

### THURSDAY, NOVEMBER 29

- 8:30 am Continental Breakfast
- 9:15 am Introduction and Welcome
- 9:30 am INVITED TALK: David C. Roberts (CIA)  
*Intelligence and the Semantic Imperative*
- 10:20 am *Ontologies for Rapid Integration of  
Heterogeneous Data for Command,  
Control, & Intelligence*  
S. Stoutenburg, L. Obrst, D. McCandless,  
D. Nichols, P. Franklin, M. Prausa, R. Sward
- 10:40 am *Ontology-Driven Imagery Analysis*  
Troy Self, Dave Kolas, Mike Dean
- 11:00 am Morning Break
- 11:20 am *Ontological Support for Bayesian  
Evidence Management*  
Michael N. Huhns, Marco G. Valtorta
- 11:40 pm *Achieving Ontology-Assisted  
Query of Graph Databases*  
David Silberberg, Wayne Bethea,  
Dennis Patrone, Paul Frank, David Patrone,  
John Gersh, Elisabeth Immer
- 12:00 pm Lunch (Hilton Columbia Atrium)
- 1:15 pm *Geospatial Ontology Trade Study*  
James Ressler, Mike Dean
- 1:35 pm *A Pragmatic Foundation for Defining  
a Rich Semantic Model of Track*  
Rick Hayes-Roth, Curtis Blais
- 1:55 pm *Toward Automated Provability-Based Semantic  
Interoperability between Ontologies for the  
Intelligence Community*  
Andrew Shilliday, Joshua Taylor,  
Selmer Bringsjord, Konstantine Arkoudas
- 2:15 pm Afternoon Break
- 2:30 pm Panel Discussion: *OWL: Why, and Why Not?*  
Panelists: Bill Andersen (Ontology Works)  
Mike Dean (BBN Technologies)  
Leo Obrst (The MITRE Corporation)  
Barry Smith (NCOR)  
Chris Welty (IBM Watson Research Ctr)
- 4:00 pm Close