



Formal Ontology in Information Systems  
Turin, November 3-6 2004  
Centre for Theoretical and Applied Ontology  
[www.ctaorg.org](http://www.ctaorg.org)

## FOIS-2004 Conference Program

### Wednesday, November 3

Workshop on the Potential of Cognitive Semantics for Ontologies  
<http://fois2004.di.unito.it/workshops.html>

### Thursday, November 4

8:45-9:15 Registration and Reception  
9:15-9:30 Welcome Addresses  
9:30-10:30 **Invited Talk: Amie L. Thomasson: Methods of Categorization**  
10:30-11:00 Coffee Break

#### 11:00-12:30 **Session 1: Categories**

Thomas Bittner, Maureen Donnelly, Barry Smith: Individuals, Universals, Collections: On the Foundational Relations of Ontology  
Fabian Neuhaus, Pierre Grenon, Barry Smith: A Formal Theory of Substances, Qualities, and Universals  
Jonathan Simon: How to Be a Bicategoricalist

12:30-14:30 Lunch

#### 14:30-16:00 **Session 2: Perspectives**

Barry Smith: Beyond Concepts: Ontology as Reality Representation  
Simon K Milton: Top-Level Ontology: The Problem with Naturalism  
Joseph A. Goguen: Ontology, Society, and Ontotheology

16:00-16:30 Coffee Break

#### 16:30-18:30 **Session 3: Methodology**

Brandon Bennett: Relative Definability in Formal Ontologies  
William Andersen, Christopher Menzel: Modal Rigidity in the OntoClean Methodology  
Massimiliano Carrara, Pierdaniele Giaretta, Vittorio Morato, Marzia Soavi, Giuseppe Spolaore: Identity and Modality in OntoClean  
Klaus Lüttich, Till Mossakowski: Specification of Ontologies in CASL

19:20:30 **Public Conference: Paolo Rossi "Parole, scritte, libri, schermi"** (English translation will be available); **IBM ITALIA GRANT to a young researcher for the best paper submitted to FOIS**

### Friday, November 5

9:00-10:00 **Invited Talk Peter Gärdenfors: How to Make the Semantic Web More Semantic**  
10:00-10:30 Coffee Break

#### 10:30-12:30 **Session 4: Semantics and Cognition**

Martin Raubal: Formalizing Conceptual Spaces  
Nicholas Asher, Pascal Denis: Dynamic Typing for Lexical Semantics - A Case Study: The Genitive Construction





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Massimo Poesio, Abdulrahman Almuhareb: Feature-Based vs. Property-Based KR: An Empirical Perspective  
Olivier Bodenreider, Barry Smith, Anita Burgun: The Ontology-Epistemology Divide: A Case Study in Medical Terminology

12:30-14:30 Lunch

**14:30-16:00 Session 5: Social Reality**

Guido Boella, Leendert van der Torre: An Agent-Oriented Ontology of Social Reality  
Joost Breuker, Rinke Hoekstra: Core Concepts of Law: Taking Common Sense Seriously  
John Bateman: The Place of Language within a Foundational Ontology

16:00-16:30 Coffee Break

**16:30-18:30 Session 6: Space, Time and Causality**

John Bateman, Scott Farrar: Towards a Generic Foundation for Spatial Ontology  
Maureen Donnelly: Relative Places  
John Stell, Matthew West: A Four-Dimensionalist Mereotopology  
Jos Lehmann, Stefano Borgo, Claudio Masolo, Aldo Gangemi: Causality and Causation in DOLCE

**Saturday, November 6**

**9:00-10:30 Session 7: Mind and Action**

Roberta Ferrario, Alessandro Oltramari: Towards a Computational Ontology of Mind  
Walter ten Brinke, David McG. Squire, John Bigelow: Supervenience in Content-Based Image Retrieval  
Dnyanesh Rajpathak, Enrico Motta: An Ontological Formalization of the Planning Task

10:30-11:00 Coffee Break

**11:00-13:00 Session 8: Ontological Analysis**

Stefan Schulz, Udo Hahn: Ontological Foundations of Biological Continuants  
Mariano Fernández-López, Asunción Gómez-Pérez: Searching for a Time Ontology for Semantic Web Applications  
Mariana Casella dos Santos, James Matthew Fielding, Christoffel Dhaen, Werner Ceusters: Philosophical Scrutiny for Run-Time Support of Application Ontology Development  
Palash Bera, Yair Wand: Analyzing OWL Using a Philosophy-Based Ontology

13:00-13:15 **Conclusion**

