

Jon D. Curtis, Ph.D.

Curriculum Vitae

Professional

Technical Staff (1999-present)
Current Position: Senior Ontologist/Project Manager
Cycorp, Inc.
7718 Wood Hollow Drive, Ste. 250
Austin, TX 78731

Research Interests

Knowledge Representation and Inference

- Temporal Reasoning
- Event/Situation Decomposition
- Ontology Alignment

Knowledge-Based Natural Language Processing

- Discourse Modeling
- Inference-informed Natural Language Generation

Education

The Ohio State University

- Ph.D. in Philosophy, September 1999
Dissertation: Towards a Fully Resolute Reading of Wittgenstein's *Tractatus*
Advisors: William Taschek, Stephen Boer, Neil Tennant
- M.A., in Philosophy, December 1995

Ithaca College

- B.A., in Philosophy, May 1992

Academic Awards and Honors

Nominee for associate membership, *Sigma Xi* Scientific Research Society, April 1999
Prize Winner, Second Place, Edward F. Hayes Essay Competition, Ohio State, April 1999
Recipient, University Fellowship, The Ohio State University, 1993-1994, Summer 1996
Graduation *summa cum laude* from Ithaca College, 1992
Class Marshall, School of Humanities and Sciences, Ithaca College, 1992
Phi Kappa Phi National Honor Society, 1991, 1992
Oracle Honor Society, 1989

External Service

Program Committee: AAI 2007, Vancouver, British Columbia, July 22-26, 2007.

Program Committee: CADE-21 Workshop: Empirically Successful Automated Reasoning in Large Theories (ESARLT), Bremen, Germany, July 15, 2007; held as part of the 21st International Conference on Automatic Deduction.

Reviewer, *AI Magazine* 2006

Recent Publications

Milind Naphade, John R. Smith, Jelena Tesic, Shih-Fu Chang, Winston Hsu, Lyndon Kennedy, Alexander Hauptmann, Jon Curtis, Large-Scale Concept Ontology for Multimedia, *IEEE MultiMedia*, vol. 13, no. 3, pp. 86-91, July-September, 2006.

Curtis, Jon, D. Baxter, J. Cabral, On the Application of the Cyc Ontology to Word Sense Disambiguation, *Proceedings FLAIRS 2006*, 652-657, Melbourne Beach, Florida May 11-13, 2006.

Shah, Purvesh, D. Schneider, C. Matuszek, R.C. Kahlert, B. Aldag, D. Baxter, J. Cabral, M. Witbrock, J. Curits, Automatic Population of Cyc: Extracting Information about Named-entities from the Web, *Proceedings FLAIRS 2006*, 153-158, Melbourne Beach, Florida May 11-13, 2006.

Curtis, Jon, G. Matthews, D. Baxter, On the Effective Use of Cyc in a Question Answering System, *Proceedings of the IJCAI Workshop on Knowledge and Reasoning for Answering Questions*, 61-70, Edinburgh, Scotland, July 30, 2005.

Belasco, Alan, J. Curtis, RC Kahlert, *et al.*, Representing Knowledge Gaps Effectively, *Practical Aspects of Knowledge Management, Proceedings of PAKM 2004*, 159-164, Vienna, Austria, December 2-3, 2004, Springer-Verlag, Berlin Heidelberg.

Friedland, Noah, P. Allen, G. Matthews, *et al.*, Project Halo: Towards a Digital Aristotle, *AI Magazine*, 29-47, Winter 2004.

O'Hara, Tom, S. Bertolo, M. Witbrock, B. Aldag, K. Panton, D. Schneider, N. Salay, J. Curtis, Inferring Parts of Speech for Lexical Mappings via the Cyc KB, *Proceedings of the 20th International Conference on Computational Linguistics (COLING-04)*, Geneva, August 2004.

Witbrock, Michael, D. Baxter, J. Curtis, *et al.*, An Interactive Dialogue System for Knowledge Acquisition in Cyc, *Proceedings of the Eighteenth International Joint Conference on Artificial Intelligence*, Acapulco, Mexico, 2003.

O'Hara, Tom, N. Salay, M. Witbrock, *et al.*, Inducing criteria for mass noun lexical mappings using the Cyc Knowledge Base and its Extension to WordNet, *Proceedings of the Fifth International Workshop on Computational Semantics*, Tilburg, 2003.

J. Stuart Aitken and Jon Curtis, A Process Ontology, *Proceedings of EKAW 2002* 108-113, Siguenza, Spain, October 1-4, 2002.

Technical Reports

Curtis, J., *et al.*, The TextLearner System: Reading Learning Comprehension Final Report, DARPA/IPTO Reading Learning Comprehension project, deliverable 00203, July 2006.

Naphade, M., *et al.*, A Large Scale Concept Ontology for Multimedia Understanding, VACE Challenge Workshop Project Report, October 2006.

Recent Presentations

Automatic Population of Cyc: Extracting Information about Named-entities from the Web, FLAIRS 2006, Melbourne Beach, Florida May 12, 2006.

On the Application of the Cyc Ontology to Word Sense Disambiguation, FLAIRS 2006, Melbourne Beach, Florida May 11, 2006.

Knowledge Formation and Dialogue Using the Kraken Toolset, *Fourteenth Conference of Innovative Applications of Artificial Intelligence*, Edmonton, Canada, July 2002.