

## **JERRY R. HOBBS**

### **Personal:**

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Citizenship: USA

### **Education:**

New York University, Ph.D., Computer Science, 1974  
Thesis Advisors: J.T. Schwartz, Naomi Sager  
New York University, M.S., Computer Science, 1970  
Duke University, B.S., Mathematics, 1964

### **Honors:**

Awarded Doctor of Philosophy honoris causa, University of  
Uppsala, Sweden, January 2003.  
ISI Fellow, May 2006-present.  
Elected Fellow, American Association for Artificial Intelligence, 1992

### **Professional Experience:**

Senior Computer Scientist, Information Sciences Institute, University of Southern  
California, 2002-present  
Research Professor, Department of Computer Science, University of Southern  
California, 2003-present  
Principal Scientist, SRI International, 1994-2002  
Program Director, Natural Language Program, Artificial Intelligence Center, SRI  
International, 1992-2001  
Senior Computer Scientist, SRI International, 1981-1992  
Computer Scientist, SRI International, 1977-1981  
Consulting Professor, Department of Linguistics, Stanford University, 1992-2002  
Assistant Professor, Dept. of Computer Sciences, City College, City University of  
New York, 1974-1977  
Instructor, Dept. of Computer Science, Yale University, 1972-1974

### **Other Professional Activities:**

President, Association for Computational Linguistics, 1990.

Vice-President, 1989.

Program Chairman for Annual Meeting, 1988.

Nominating Committee, 1991-1993.

Executive Committee, 1976-1979.

Member, 1975-present.

Fellow, American Association for Artificial Intelligence, 1992-present

Member, 1980-present.

General Editor, "Advances in Artificial Intelligence" Series, Ablex Publishing Company, 1982-1987.

Editorial Boards:

*Discourse Processes*, 1982-present.

*Journal of Semantics*, 1987-1993.

*American Journal of Computational Linguistics*, 1979-1982.

Consultation Board, International Pragmatics Association, 1986-1999.

Membership in Other Professional Societies:

Linguistic Society of America, 1977-present

Special Interest Group for Artificial Intelligence (SIGART), 1975-1995

Cognitive Science Society, 1980-1987, 1997

Reviewer for numerous journals, conferences, and funding organizations.

### **Principal Relevant Publications:**

### **Selected Refereed Journal Articles:**

"Toward a Useful Notion of Causality for Lexical Semantics", *Journal of Semantics*, Vol. 22, pp. 181-209, 2005.

"Interpretation as Abduction", (with Mark Stickel, Douglas Appelt, and Paul Martin), *Artificial Intelligence*, Vol. 63, Nos. 1-2, pp. 69-142, October 1993.

"Sketch of an Ontology Underlying the Way We Talk about the World", *International Journal of Human-Machine Studies*, Vol. 43, 1995, pp. 819-830.

"Commonsense Metaphysics and Lexical Semantics", (with William Croft, Todd Davies, Douglas Edwards, and Kenneth Laws). *Computational Linguistics*, Vol. 13, Nos. 3-4, pp. 241-250, July-December 1987.

"Interpreting Discourse: Coherence and the Analysis of Ethnographic Interviews", (with Michael Agar), *Discourse Processes*, Vol. 5, No. 1, pp. 1-32. January 1982.

“Conversation as Planned Behavior”, (with David A. Evans), *Cognitive Science*, Vol. 4, no. 4, pp. 349-377, 1980.

“Coherence and Coreference”, *Cognitive Science*, Vol. 3, No. 1, pp. 67-90, 1979.

### **Selected Chapters in Books:**

“Abduction in Natural Language Understanding”, to appear in L. Horn and G. Ward (eds.), *Handbook of Pragmatics*, Blackwell.

“FASTUS: A Cascaded Finite-State Transducer for Extracting Information from Natural-Language Text” (with Douglas E. Appelt, John Bear, David Israel, Megumi Kameyama, Mark Stickel, and Mabry Tyson), in E. Roche and Y. Schabes, eds., *Finite State Devices for Natural Language Processing*, MIT Press, Cambridge, Massachusetts, 1996.

“On the Relation Between the Informational and Intentional Perspectives on Discourse”, in *Computational and Conversational Discourse: Burning Issues---An Interdisciplinary Account*, NATO ASI Series, Series F: Computer and Systems Sciences, Vol. 151, E. Hovy and D. Scott, editors, Springer, Berlin, Germany, pp. 139-157, 1996.

“Metaphor and Abduction”, in A. Ortony, J. Slack, and O. Stock, eds., *Communication from an Artificial Intelligence Perspective: Theoretical and Applied Issues*, Springer-Verlag, Berlin, pp. 35-58, 1992.

“Topic Drift”, in *Development of Conversational Coherence*, Bruce Dorval, editor, Ablex Publishing Corp., Norwood, New Jersey, 1990.

“Granularity”, in *Readings in Qualitative Physics*, Daniel Weld, editor, Morgan Kaufmann Publishers, Los Altos, California, 1989, pp. 542-545.

“Toward an Understanding of Coherence in Discourse”, in *Strategies for Natural Language Processing*, Wendy Lehnert and Martin Ringle, editors, Lawrence Erlbaum Associates, Inc., Hillsdale, New Jersey, pp. 223-244, 1982.

### **Selected Papers In Conference Proceedings:**

“Encoding Knowledge of Commonsense Psychology” (with Andrew Gordon), *Proceedings, 7<sup>th</sup> International Symposium on Logical Formalizations of Commonsense Reasoning*, Corfu, Greece, pp. 107-114, May 2005.

“Coverage and Competency in Formal Theories: A Commonsense Theory of Memory” (with Andrew Gordon), *Proceedings, Sixth Symposium on Logical Formalizations of Commonsense Reasoning*, AAAI 2003 Spring Symposium, Stanford University, California, March 2003.

“Towards an Ontology for Time for the Semantic Web”, *Proceedings*, LREC  
2002 Workshop on Annotation Standards for Temporal Information in Natural  
Language, pp. 28-35, Las Palmas, Spain, May 2002.