

**WILLIAM J. RAPAPORT**

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**EDUCATION:**

- **Ph.D., 1976, Indiana University** (philosophy; mathematics minor)  
Dissertation: *Intentionality and the Structure of Existence* (Director: Hector-Neri Castañeda)
- **M.S., 1984, State University of New York at Buffalo** (computer science)  
Thesis: *Belief Representation and Quasi-Indicators* (Director: Stuart C. Shapiro)
- **A.M., 1974, Indiana University** (philosophy)
- **B.A., 1968, University of Rochester** (mathematics; philosophy minor)
- 1968–1971, graduate studies (mathematics), Courant Institute, New York University
- 1968–1969, graduate studies (mathematics education), TEMPUS Program, School of Education, CUNY City College
- 1964, diploma, Fieldston School, Bronx, NY;  
1958–1960, Birch-Wathen School, New York, NY;  
1951–1958, PS 173 Manhattan, New York, NY

**EXPERIENCE:**

- **Department of Computer Science and Engineering, State University of New York at Buffalo**
  - CSE Eminent Professor Emeritus (2017–present);  
Associate Professor Emeritus (2012–2017); Associate Professor (1998–2012)
- **Department of Linguistics, State University of New York at Buffalo**
  - Affiliated Faculty (Emeritus) (2006–present)
- **Department of Philosophy, State University of New York at Buffalo**
  - Affiliated Faculty (Emeritus) (2006–present)
- **Department of Philosophy, State University of New York at Buffalo**
  - Adjunct Professor (1994–2006)
- **Department of Computer Science, State University of New York at Buffalo**
  - Associate Professor (1988–1998); Assistant Professor (1986–1988);  
Visiting Assistant Professor (1984–1986)
- **Department of Philosophy, State University of New York, College at Fredonia**
  - Associate Professor (1983–1984); Assistant Professor (1976–1983; on leave, 1982–1983)
- **Department of Mathematics, Indiana University**
  - Associate Instructor (1975)
- **Department of Philosophy, Indiana University**
  - Research Assistant to the editor of *Noûs* (9/72–8/75); Associate Instructor (1971–1972)
- **Walden School, New York, NY** – Director of high-school mathematics program (1969–1971)
- **Inwood Junior High School 52M, New York, NY** – 7th-Grade Mathematics Teacher (1968–1969)

## HONORS:

- Barwise Prize, American Philosophical Association Committee on Philosophy and Computers (2015)<sup>1</sup>
- Covey Award, International Association for Computing and Philosophy (2015)<sup>2</sup>
- Certificate of Recognition, Career Affairs, SUNY Buffalo (2005)<sup>3</sup>
- Distinguished Alumnus, Department of Philosophy, Indiana University (1990)
- Steelman Visiting Scientist Distinguished Lecturer, Lenoir-Rhyne College (1989)
- Northeastern Association of Graduate Schools Master's Scholar Award (1987)
- *American Philosophical Quarterly Essay Prize* (1982)
- SUNY Chancellor's Award for Excellence in Teaching (1981)

## RESEARCH INTERESTS:

Artificial Intelligence, Cognitive Science, Computational Linguistics, Knowledge Representation and Reasoning, Philosophy of Mind, Philosophy of Language, Critical Thinking, Cognitive Development

## PUBLICATIONS:

### Books:

#### Ph.D. Dissertation:

- Rapaport, William J. (1976), **Intentionality and the Structure of Existence** (Bloomington: Indiana University Department of Philosophy).

#### Commercially Published:

1. Schagrin, Morton L.; Rapaport, William J.; & Dipert, Randall R. (1985), **Logic: A Computer Approach** (New York: McGraw-Hill).
  - (a) Japanese translation, *Logic and Algorithms*, by Takemasa Ooya (Tokyo: McGraw-Hill Japan, 1986).
  - (b) Italian translation, *Logica e Computer*, by Gianfranco Forni, revised by Marco Colombetti (Milan: McGraw-Hill Libri Italia, 1986).
  - (c) Italian student edition, *Logica e Computer*, by Gianfranco Forni, adapted by Maria Cristina Valenti (Milan: McGraw-Hill Libri Italia, Divisione scuola, 1986).
  - (d) reprinted in Taiwan.
2. Orilia, Francesco, & Rapaport, William J. (eds.) (1998), **Thought, Language, and Ontology: Essays in Memory of Hector-Neri Castañeda**, *Philosophical Studies Series* (Dordrecht: Kluwer Academic Publishers).

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<sup>1</sup>“for significant and sustained contributions to areas relevant to philosophy and computing by an APA member”

<sup>2</sup>“recognizes senior scholars with a substantial record of innovative research in the field of computing and philosophy broadly conceived”

<sup>3</sup>“For the positive influence you have had on students at the University at Buffalo as described in the Year After survey of 2003 graduates.”

### Unpublished:

- Rapaport, William J., **Understanding Understanding: Semantics, Computation, and Cognition**, *Technical Report 96-26* (Buffalo: SUNY Buffalo Department of Computer Science, 1996).
  - Almost all of the chapters have been published as journal articles or book chapters, marked below by “[UU]”.

### In preparation:

- Rapaport, William J., **Philosophy of Computer Science**, <https://cse.buffalo.edu/~rapaport/Papers/phics.pdf>

### Edited Journals:

1. Rapaport, William J. (guest editor), *Special Issue on Cognitive Science and Artificial Intelligence*, **Noûs**, Vol. 25, No. 4 (1991).
2. Galbraith, Mary, & Rapaport, William J. (guest editors), *Where Does I Come From? Special Issue on Subjectivity and the Debate over Computational Cognitive Science*, **Minds and Machines**, Vol. 5, No. 4 (1995): 513–620.

### Refereed Journal Articles:

1. Rapaport, William J. (1974), “Paper Folding and Convergent Sequences”, **Mathematics Teacher** 67(5) (May): 453–457.
2. Rapaport, William J. (1976), “On *Cogito* Propositions”, **Philosophical Studies** 29(1) (January): 63–68.
3. Rapaport, William J. (1978), “Meinongian Theories and a Russellian Paradox”, **Noûs** 12(2) (May): 153–180; errata, *Noûs* 13 (1979) 125.
  - Most frequently cited publication.
4. Rapaport, William J. (1979), “An Adverbial Meinongian Theory”, **Analysis** 39(2) (March): 75–81.
5. Rapaport, William J. (1981), “How to Make the World Fit Our Language: An Essay in Meinongian Semantics”, **Grazer Philosophische Studien** 14: 1–21.
6. Rapaport, William J. (1982), “Unsolvable Problems and Philosophical Progress”, *1982 Prize Essay*, **American Philosophical Quarterly** 19(4) (October): 289–298.
7. Rapaport, William J. (1983), “Meinong, Defective Objects, and (Psycho-)Logical Paradox”, **Grazer Philosophische Studien** 18: 17–39.
8. Rapaport, William J. (1984), Critical Notice of Richard Routley’s *Exploring Meinong’s Jungle and Beyond*, **Philosophy and Phenomenological Research** 44(4) (June): 539–552.
9. Rapaport, William J. (1985), “To Be and Not To Be”, **Noûs** 19(2) (June): 255–271.
10. Rapaport, William J. (1985/1986), “Non-Existent Objects and Epistemological Ontology”, **Grazer Philosophische Studien** 25/26: 61–95.
  - Reprinted in Rudolf Haller (ed.), **Non-Existence and Predication** (Amsterdam: Rodopi, 1986).
11. Rapaport, William J. (1986), “Searle’s Experiments with Thought”, **Philosophy of Science** 53(2) (June): 271–279.
12. Rapaport, William J. (1986), “Philosophy of Artificial Intelligence: A Course Outline”, **Teaching Philosophy** 9(2) (June): 103–120.
13. Wiebe, Janyce M., & Rapaport, William J. (1986), “Representing *De Re* and *De Dicto* Belief Reports in Discourse and Narrative”, *Special Issue on Knowledge Representation*, **Proceedings of the IEEE** 74(10) (October): 1405–1413.

14. Rapaport, William J. (1986), “Logical Foundations for Belief Representation”, **Cognitive Science** 10(4) (October): 371–422.  
– Second most-frequently-cited solo publication.
15. Rapaport, William J. (1988), “To Think or Not To Think”, **Noûs** 22(4) (December): 585–609.
16. Rapaport, William J. (1991), “Predication, Fiction, and Artificial Intelligence”, **Topoi** 10(1) (March): 79–111.<sup>4</sup>
17. Shapiro, Stuart C., & Rapaport, William J. (1992), “The SNePS Family”, **Computers and Mathematics with Applications** 23(2–5) (January–March): 243–275.  
– Third most-frequently-cited publication.  
– Reprinted in Fritz Lehmann (ed.), **Semantic Networks in Artificial Intelligence** (Oxford: Pergamon Press, 1992): 243–275.
18. Rapaport, William J. (1993), “Because Mere Calculating Isn’t Thinking: Comments on Hauser’s ‘Why Isn’t My Pocket Calculator a Thinking Thing?’ ”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 3(1) (February): 11–20.
19. Rapaport, William J.; Shapiro, Stuart C.; & Wiebe, Janyce M. (1997), “Quasi-Indexicals and Knowledge Reports”, **Cognitive Science** 21(1) (January): 63–107.  
– Reprinted in Francesco Orilia & William J. Rapaport (eds.), **Thought, Language, and Ontology: Essays in Memory of Hector-Neri Castañeda** (Dordrecht: Kluwer Academic Publishers, 1998): 235–294.
20. Rapaport, William J. (1998), “How Minds Can Be Computational Systems”, **Journal of Experimental and Theoretical Artificial Intelligence** 10(4): 403–419.
21. [UU] Rapaport, William J. (1999), “Implementation Is Semantic Interpretation”, **The Monist** 82(1) (January): 109–130.
22. [UU] Rapaport, William J. (2000), “How to Pass a Turing Test: Syntactic Semantics, Natural-Language Understanding, and First-Person Cognition”, **Journal of Logic, Language, and Information**, 9(4) (October): 467–490.  
– Reprinted in James H. Moor (ed.), **The Turing Test: The Elusive Standard of Artificial Intelligence** (Dordrecht: Kluwer, 2003): 161–184.
23. [UU] Rapaport, William J. (2002), “Holism, Conceptual-Role Semantics, and Syntactic Semantics”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 12(1) (February): 3–59.
24. [UU] Rapaport, William J. (2003), “What Did You Mean by That? Misunderstanding, Negotiation, and Syntactic Semantics”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 13(3) (August): 397–427.
25. Rapaport, William J. (2005), “Philosophy of Computer Science: An Introductory Course”, **Teaching Philosophy** 28(4) (December): 319–341.
26. [UU] Rapaport, William J. (2006), “How Helen Keller Used Syntactic Semantics to Escape from a Chinese Room”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 16(4) (December): 381–436.
27. Shapiro, Stuart C.; Rapaport, William J.; Kandeler, Michael; Johnson, Frances L.; & Goldfain, Albert (2007) “Metacognition in SNePS”, **AI Magazine** 28(1) (Spring): 17–31.
28. Rapaport, William J. (2011), “Yes, She Was! Reply to Ford’s ‘Helen Keller Was Never in a Chinese Room’,” **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 21(1) (Spring): 3–17.

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<sup>4</sup>Revised and expanded as Book Chapters 9 and 10, below.

29. Rapaport, William J. (2011), “A Triage Theory of Grading: The Good, the Bad, and the Middling”, **Teaching Philosophy** 34(4) (December): 347–372.
30. Rapaport, William J. (2012), “Semiotic Systems, Computers, and the Mind: How Cognition Could Be Computing”, **International Journal of Signs and Semiotic Systems** 2(1) (January-June): 32–71.  
– Revised version reprinted as Invited, Non-Refereed Book Chapter 15.
31. Rapaport, William J. (2018), “What Is a Computer? A Survey”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 28(3): 385–426.
32. Rapaport, William J. (2019), “Computers *Are* Syntax All the Way Down: Reply to Bozşahin”, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 29(2) (Summer): 227–237.

#### **Invited Journal Articles:**

1. [UU] Rapaport, William J. (2005), “Implementation Is Semantic Interpretation: Further Thoughts”, Special Issue on Theoretical Cognitive Science, **Journal of Experimental and Theoretical Artificial Intelligence** 17(4; December): 385–417.
2. Rapaport, William J.; & Kibby, Michael W. (2007), “Contextual Vocabulary Acquisition as Computational Philosophy and as Philosophical Computation”, **Journal of Experimental and Theoretical Artificial Intelligence**: 19(1) (March): 1–17.
3. Rapaport, William J. (2007), “Searle on Brains as Computers”, **American Philosophical Association Newsletter on Philosophy and Computers** 6(2) (Spring): 4–9.
4. Rapaport, William J. (2013), “Meinongian Semantics and Artificial Intelligence”, special issue on “Meinong Strikes Again: Return to Impossible Objects 100 Years Later”, guest edited by Laura Mari & Michele Paolini Paoletti, **Humana.Mente: Journal of Philosophical Studies** 25 (December): 25–52.
5. Rapaport, William J. (2017), “What Is Computer Science?”, **American Philosophical Association Newsletter on Philosophy and Computers** 16(2) (Spring): 2–22.
6. [UU] Rapaport, William J. (2017), “Semantics as Syntax”, **American Philosophical Association Newsletter on Philosophy and Computers** 17(1) (Fall): 2–11.
7. Rapaport, William J. (2018), “Comments on Bringsjord’s ‘Logicist Remarks’ ”, **American Philosophical Association Newsletter on Philosophy and Computers** 18(1) (Fall): 32–34.
8. Hill, Robin K.; & Rapaport, William J. (2018), “Exploring the Territory: The Logicist Way and Other Paths into the Philosophy of Computer Science” (interview), **American Philosophical Association Newsletter on Philosophy and Computers** 18(1) (Fall): 34–37.
9. Rapaport, William J. (2020), “Syntax, Semantics, and Computer Programs: Comments on Turner’s *Computational Artifacts*”, **Philosophy and Technology** 33: 309–321
10. Rapaport, William J. (2020) “What Is Artificial Intelligence?”, **Journal of Artificial General Intelligence** 11(2): 52–56.

## Refereed Conference Proceedings:

- See also “Conference Presentations with No Published Proceedings”, below<sup>5</sup>
1. Rapaport, William J., & Shapiro, Stuart C. (1984), “Quasi-Indexical Reference in Propositional Semantic Networks”, **Proceedings of the 10th International Conference on Computational Linguistics (COLING-84, Stanford University)** (Morristown, NJ: Association for Computational Linguistics): 65–70.
  2. Rapaport, William J. (1985), “Meinongian Semantics for Propositional Semantic Networks”, **Proceedings of the 23rd Annual Meeting of the Association for Computational Linguistics (University of Chicago)** (Morristown, NJ: Association for Computational Linguistics): 43–48.
  3. Rapaport, William J. (1985), “Machine Understanding and Data Abstraction in Searle’s Chinese Room”, **Proceedings of the 7th Annual Conference of the Cognitive Science Society (University of California at Irvine)** (Hillsdale, NJ: Lawrence Erlbaum Associates): 341–345.
  4. Shapiro, Stuart C., & Rapaport, William J. (1986), “SNePS Considered as a Fully Intensional Propositional Semantic Network”, **Proceedings of the 5th National Conference on Artificial Intelligence (AAAI-86, Philadelphia)** (Los Altos, CA: Morgan Kaufmann), Vol. 1, pp. 278–283.
    - Revised version reprinted as Invited/Non-Refereed Book Chapter 8, below.
  5. Wiebe, Janyce M., & Rapaport, William J. (1988), “A Computational Theory of Perspective and Reference in Narrative”, **Proceedings of the 26th Annual Meeting of the Association for Computational Linguistics (SUNY Buffalo)** (Morristown, NJ: Association for Computational Linguistics): 131–138.
  6. Peters, Sandra M.; Shapiro, Stuart C.; & Rapaport, William J. (1988), “Flexible Natural Language Processing and Roschian Category Theory”, **Proceedings of the 10th Annual Conference of the Cognitive Science Society (Montreal)** (Hillsdale, NJ: Lawrence Erlbaum Associates): 125–131.
  7. Nakhimovsky, Alexander, & Rapaport, William J. (1988), “Discontinuities in Narratives”, **Proceedings of the 12th International Conference of Computational Linguistics (COLING-88, Budapest)**: 465–470.
  8. Srihari, Rohini K., & Rapaport, William J. (1989), “Extracting Visual Information From Text: Using Captions to Label Human Faces in Newspaper Photographs”, **Proceedings of the 11th Annual Conference of the Cognitive Science Society (Ann Arbor, MI)** (Hillsdale, NJ: Lawrence Erlbaum Associates): 364–371.
  9. Peters, Sandra L., & Rapaport, William J. (1990), “Superordinate and Basic Level Categories in Discourse: Memory and Context”, **Proceedings of the 12th Annual Conference of the Cognitive Science Society (Cambridge, MA)** (Hillsdale, NJ: Lawrence Erlbaum Associates): 157–165.
  10. Ehrlich, Karen, & Rapaport, William J. (1997), “A Computational Theory of Vocabulary Expansion”, **Proceedings of the 19th Annual Conference of the Cognitive Science Society (Stanford University)** (Mahwah, NJ: Lawrence Erlbaum Associates): 205–210.
  11. Rapaport, William J., & Kibby, Michael W. (2002), “Contextual Vocabulary Acquisition: A Computational Theory and Educational Curriculum”, in Nagib Callaos, Ana Breda, and Ma. Yolanda Fernandez J. (eds.), **Proceedings of the 6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002; Orlando, FL)** (Orlando: International Institute of Informatics and Systemics), Vol. II: Concepts and Applications of Systemics, Cybernetics, and Informatics I, pp. 261–266.
  12. Rapaport, William J. (2003), “What Is the ‘Context’ for Contextual Vocabulary Acquisition?”, in Peter P. Slezak (ed.), **Proceedings of the 4th International Conference on Cognitive Science/7th Australasian Society for Cognitive Science Conference (ICCS/ASCS-2003; Sydney, Australia)** (Sydney: University of New South Wales), Vol. 2, pp. 547–552.

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<sup>5</sup>Conferences with no published proceedings are the norm in philosophy and reading education, my other academic disciplines

13. Rapaport, William J. (2005), “In Defense of Contextual Vocabulary Acquisition: How to Do Things with Words in Context”, in Anind Dey, Boicho Kokinov, David Leake, & Roy Turner (eds.), **Modeling and Using Context: 5th International and Interdisciplinary Conference, CONTEXT 05, Paris, France, July 2005, Proceedings** (Berlin: Springer-Verlag Lecture Notes in Artificial Intelligence 3554): 396–409.

**Published Abstracts of Unpublished Refereed Conference Presentations:**

1. Rapaport, William J. (1977), “Adverbial Theories and Meinongian Theories”, **Journal of Philosophy** 74(10) (October): 635.
2. Rapaport, William J. (1979), “An Algebraic Interpretation of Deontic Logic”, **Journal of Symbolic Logic** 44(3) (September): 472.

**Invited, Refereed Book Chapters:**

1. Rapaport, William J. (1987), “Belief Systems”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence** (New York: John Wiley): 63–73.
2. Rapaport, William J. (1987), “Logic”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence** (New York: John Wiley): 536–538.
3. Rapaport, William J. (1987), “Logic, Predicate”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence** (New York: John Wiley): 538–544.
4. Rapaport, William J. (1987), “Logic, Propositional”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence** (New York: John Wiley): 558–563.
5. Shapiro, Stuart C., & Rapaport, William J. (1987), “SNePS Considered as a Fully Intensional Propositional Semantic Network”, in Nick Cercone & Gordon McCalla (eds.), **The Knowledge Frontier: Essays in the Representation of Knowledge** (New York: Springer-Verlag): 262–315.  
– Second most-frequently-cited publication.
6. Rapaport, William J. (1991), “Meinong, Alexius; I: Meinongian Semantics”, in Hans Burkhardt & Barry Smith (eds.), **Handbook of Metaphysics and Ontology** (Munich: Philosophia Verlag): 516–519.
7. Shapiro, Stuart C., & Rapaport, William J. (1991), “Models and Minds: Knowledge Representation for Natural-Language Competence”, in Robert Cummins & John Pollock (eds.), **Philosophy and AI: Essays at the Interface** (Cambridge, MA: MIT Press): 215–259.
8. Rapaport, William J. (1993), “Cognitive Science”, in Anthony Ralston & Edwin D. Reilly (eds.), **Encyclopedia of Computer Science, 3rd edition** (New York: Van Nostrand Reinhold): 185–189.
9. Shapiro, Stuart C., & Rapaport, William J. (1995), “An Introduction to a Computational Reader of Narratives”, in Judith Felson Duchan, Gail A. Bruder, & Lynne Hewitt (eds.), **Deixis in Narrative: A Cognitive Science Perspective** (Hillsdale, NJ: Lawrence Erlbaum Associates): 79–105; revised and expanded version of the first half of Journal Article 16, above.
10. Rapaport, William J., & Shapiro, Stuart C. (1995), “Cognition and Fiction”, in Judith Felson Duchan, Gail A. Bruder, & Lynne Hewitt (eds.), **Deixis in Narrative: A Cognitive Science Perspective** (Hillsdale, NJ: Lawrence Erlbaum Associates): 107–128; revised and expanded version of the second half of Journal Article 16, above.
11. Rapaport, William J., & Shapiro, Stuart C. (1999), “Cognition and Fiction: An Introduction”, in Ashwin Ram & Kenneth Moorman (eds.), **Understanding Language Understanding: Computational Models of Reading** (Cambridge, MA: MIT Press): 11–25; abridged and slightly edited version of the previous book chapter.
12. Rapaport, William J. (2000), “Cognitive Science”, in Anthony Ralston, Edwin D. Reilly, & David Hemmendinger (eds.), **Encyclopedia of Computer Science, 4th edition** (New York: Grove’s Dictionaries): 227–233; revision of 8, above.

13. Rapaport, William J. (2004), “Cognitive Science”, in Edwin D. Reilly (ed.), **Concise Encyclopedia of Computer Science** (Chichester, UK: John Wiley & Sons): 110–111; highly abridged version of 12, above.
14. Rapaport, William J. (2005), “Castañeda, Hector Neri”, in John R. Shook (ed.), **The Dictionary of Modern American Philosophers** (Bristol, UK: Thoemmes Continuum): 452–457.
15. Rapaport, William J. (2006), “The Turing Test”, in Keith Brown (ed.), **Encyclopedia of Language and Linguistics, 2nd Edition**, Vol. 13, pp. 151–159 (Oxford: Elsevier).

#### Invited but Non-Refereed Book Chapters:

1. Rapaport, William J. (1988), “Syntactic Semantics: Foundations of Computational Natural-Language Understanding”, in James H. Fetzer (ed.), **Aspects of Artificial Intelligence** (Dordrecht, Holland: Kluwer Academic Publishers): 81–131.
  - Third most-frequently-cited solo publication.
  - Reprinted (with numerous errors) in Eric Dietrich (ed.) (1994), **Thinking Computers and Virtual Persons: Essays on the Intentionality of Machines** (San Diego: Academic Press): 225–273.
2. Srihari, Rohini K., & Rapaport, William J. (1990), “Combining Linguistic and Pictorial Information: Using Captions to Interpret Newspaper Photographs”, in Deepak Kumar (ed.), **Current Trends in SNePS—Semantic Network Processing System, Lecture Notes in Artificial Intelligence, No. 437** (Berlin: Springer-Verlag): 85–96.
3. Rapaport, William J. (1990), “Representing Fiction in SNePS”, in Deepak Kumar (ed.), **Current Trends in SNePS—Semantic Network Processing System, Lecture Notes in Artificial Intelligence, No. 437** (Berlin: Springer-Verlag): 107–121.
4. Rapaport, William J. (1992), “Belief Representation Systems”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence, 2nd edition** (New York: John Wiley): 98–110; revision of Invited/Refereed Book Chapter 1, above.
5. Rapaport, William J. (1992), “Logic”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence, 2nd edition** (New York: John Wiley): 851–853; revision of Invited/Refereed Book Chapter 2, above.
6. Rapaport, William J. (1992), “Logic, Predicate”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence, 2nd edition** (New York: John Wiley): 866–873; revision of Invited/Refereed Book Chapter 3, above.
7. Rapaport, William J. (1992), “Logic, Propositional”, in Stuart C. Shapiro (ed.), **Encyclopedia of Artificial Intelligence, 2nd edition** (New York: John Wiley): 891–897; revision of Invited/Refereed Book Chapter 4, above.
8. Shapiro, Stuart C., & Rapaport, William J. (1992), “A Fully Intensional Propositional Semantic Network”, in Leslie Burkholder (ed.), **Philosophy and the Computer** (Boulder, CO: Westview Press): 75–91; revised version of Conference Proceedings 4, above.
9. [UU] Rapaport, William J. (1995), “Understanding Understanding: Syntactic Semantics and Computational Cognition”, in James E. Tomberlin (ed.), **Philosophical Perspectives, Vol. 9: AI, Connectionism, and Philosophical Psychology** (Atascadero, CA: Ridgeview): 49–88.
  - Reprinted in Toribio, Josefa, & Clark, Andy (eds.) (1998), **Language and Meaning in Cognitive Science: Cognitive Issues and Semantic Theory, Artificial Intelligence and Cognitive Science: Conceptual Issues**, Vol. 4 (New York: Garland): 73–88.
10. Rapaport, William J., & Ehrlich, Karen (2000), “A Computational Theory of Vocabulary Acquisition”, in Łucja M. Iwańska & Stuart C. Shapiro (eds.), **Natural Language Processing and Knowledge Representation: Language for Knowledge and Knowledge for Language** (Menlo Park, CA/Cambridge, MA: AAAI Press/MIT Press): 347–375.



11. Kibby, Michael W.; Rapaport, William J.; Wieland, Karen W.; & Dechert Deborah A. (2008), “Play Lesson 4: CSI: Contextual Semantic Investigation”, in Lawrence Baines (ed.), **A Teacher’s Guide to Multisensory Learning: Improving Literacy by Engaging the Senses** (Alexandria, VA: Association for Supervision and Curriculum Development): 163–173.
12. Rapaport, William J. (2012), “Can’t We Just Talk? Commentary on Arel’s ‘The Threat of a Reward-Driven Adversarial Artificial General Intelligence’ ”, in Amnon H. Eden, James H. Moor, Johnny H. Søraker, & Eric Steinhart (eds.), **Singularity Hypotheses: A Scientific and Philosophical Assessment** (Berlin: Springer): 59–60.
13. Rapaport, William J.; & Kibby, Michael W. (2014), “Contextual Vocabulary Acquisition: From Algorithm to Curriculum”, in Adriano Palma (ed.), **Castañeda and His Guises: Essays on the Work of Hector-Neri Castañeda** (Berlin: Walter de Gruyter): 107–150.
14. Rapaport, William J. (2017), “On the Relation of Computing to the World”, in Thomas M. Powers (ed.), **Philosophy and Computing: Essays in Epistemology, Philosophy of Mind, Logic, and Ethics** (Cham, Switzerland: Springer): 29–64.
15. Rapaport, William J. (2018), “Syntactic Semantics and the Proper Treatment of Computationalism”, in Marcel Danesi (ed.), **Empirical Research on Semiotics and Visual Rhetoric** (Hershey, PA: IGI Global): 128–176 (references, pp. 273–307).

#### Invited Book Reviews:

1. Rapaport, William J. (1986), Review of Karel Lambert, *Meinong and the Principle of Independence*, **Journal of Symbolic Logic** 51(1) (March): 248–252.
2. Rapaport, William J. (1986), Review of Deborah Johnson and John Snapper (eds.), *Ethical Issues in the Use of Computers*, **Teaching Philosophy** 9(3) (September): 275–278.
3. Rapaport, William J. (1988), Review of Joseph Y. Halpern (ed.), *Theoretical Aspects of Reasoning About Knowledge*, **Journal of Symbolic Logic** 53(2) (June): 660–670.
4. Rapaport, William J. (1988), Review of Michael Devitt & Kim Sterelny, *Language and Reality*, and of Robert M. Martin, *The Meaning of Language*, **Computational Linguistics** 14(3) (September): 108–113.
5. Rapaport, William J. (1997), Review of “Willard Van Orman Quine <http://users.aol.com/drquine/wv-quine.html>”, **American Philosophical Association Newsletter on Philosophy and Computers**, No. 1 (Fall) 40–41. (Note: Website has since moved to <http://www.wvquine.org/>.)
6. Rapaport, William J. (2000), Review of Steven Pinker, *How the Mind Works*, **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** 10(3) (August): 381–389.
7. Rapaport, William J. (2005), Review of Stuart Shieber, *The Turing Test: Verbal Behavior as the Hallmark of Intelligence*, in **Computational Linguistics** 31(3): 407-412
8. Rapaport, William J. (2006), Review of John Preston & Mark Bishop (eds.), *Views into the Chinese Room: New Essays on Searle and Artificial Intelligence*, in **Australasian Journal of Philosophy** 84(1) (March): 129–133.

### Other Published Articles:

1. Rapaport, William J. (1979), "Interdisciplinary 'Informal Logic' Course", **Informal Logic Newsletter** 1 (May 1979) 6–7, and 2 (November 1979) 14; also contributed to **Informal Logic Newsletter** 1 (July 1979).
2. Rapaport, William J. (1984), "Can Philosophy Solve Its Own Problems?" **The [SUNY] News** 13 (May/June 1984) F2–F3.
3. Rapaport, William J. (1984), "From the Editor", **American Philosophical Association Newsletter on Pre-College Instruction in Philosophy** 1 (Spring/Summer 1984) 1–2.
4. Rapaport, William J. (1984), "Critical Thinking and Cognitive Development", **American Philosophical Association Newsletter on Pre-College Instruction in Philosophy** 1 (Spring/Summer 1984) 4–5.  
– Reprinted in **Proceedings of the American Philosophical Association** 57 (1984) 610–615.
5. Rapaport, William J., & Hardt, Shoshana H. (eds.) (1986), "Recent and Current Artificial Intelligence Research in the Department of Computer Science, SUNY Buffalo", **AI Magazine** 7 (Summer 1986) 91–100.
6. Rapaport, William J. (1986), "Philosophy, Artificial Intelligence, and the Chinese-Room Argument", **Abacus** 3 (Summer 1986) 6–17; correspondence, **Abacus** 4 (Winter 1987) 6–7, **Abacus** 4 (Spring 1987) 5–7.
7. Rapaport, William J. (1986), "Pre-College Instruction in Philosophy" (editor's column), **American Philosophical Association Newsletter on Teaching Philosophy** (Fall 1986) 11–12.
8. Rapaport, William J. (ed.) (1987), "SUNY at Buffalo Department of Computer Science Graduate Student Open House", **SIGART Newsletter** No. 99 (January 1987) 22–24.
9. Rapaport, William J. (ed.) (1987), "Second Annual SUNY Buffalo Graduate Conference on Computer Science", **SIGART Newsletter** No. 100 (April 1987) 23–25.
10. Rapaport, William J. (1987), "Philosophy for Children and Other People", **American Philosophical Association Newsletter on Teaching Philosophy** (Summer 1987) 19–22.
11. Rapaport, William J. (1991), "The Inner Mind and the Outer World: Guest Editor's Introduction", *Special Issue on Cognitive Science and Artificial Intelligence*, **Noûs** 25: 405–410.
12. Orilia, Francesco, and Rapaport, William J. (1998), "Thought, Language, and Ontology: An Introduction", in Francesco Orilia & William J. Rapaport, (eds.), **Thought, Language, and Ontology: Essays in Memory of Hector-Neri Castañeda** (Dordrecht: Kluwer Academic Publishers): ix–xxi.
13. Rapaport, William J. (1998), "Prolegomena to a Study of Hector-Neri Castañeda's Influence on Artificial Intelligence: A Survey and Personal Reflections", in Francesco Orilia & William J. Rapaport, (eds.), **Thought, Language, and Ontology: Essays in Memory of Hector-Neri Castañeda** (Dordrecht: Kluwer Academic Publishers): 345–367.
14. Rapaport, William J. (1998), "Academic Family Tree of Hector-Neri Castañeda", in Francesco Orilia & William J. Rapaport, (eds.), **Thought, Language, and Ontology: Essays in Memory of Hector-Neri Castañeda** (Dordrecht: Kluwer Academic Publishers): 369–374.

### Technical Reports Not Otherwise Published:

1. Rapaport, William J. (1984), "Belief Representation and Quasi-Indicators", **Technical Report 215** (Buffalo: SUNY Buffalo Department of Computer Science, August 1984).
2. Rapaport, William J.; Shapiro, Stuart C.; & Wiebe, Janyce M. (1986), "Quasi-Indicators, Knowledge Reports, and Discourse", **Technical Report 86-15** (Buffalo: SUNY Buffalo Department of Computer Science, June 1986); revised version to appear as Article 19, above.
3. Bruder, Gail A.; Duchan, Judith F.; Rapaport, William J.; Segal, Erwin M.; Shapiro, Stuart C.; & Zubin, David A. (1986), "Deictic Centers in Narrative: An Interdisciplinary Cognitive-Science Project", **Technical Report 86-20** (Buffalo: SUNY Buffalo Department of Computer Science, September 1986).
4. Rapaport, William J. (1986/1987), "A Computational Theory of Natural-Language Understanding", **Computer Science Research Review** (Buffalo: SUNY Buffalo Department of Computer Science): 25–31.
5. Srihari, Sargur N.; Rapaport, William J.; & Kumar, Deepak (1987), "On Knowledge Representation Using Semantic Networks and Sanskrit", **Technical Report 87-03** (Buffalo: SUNY Buffalo Department of Computer Science, February 1987). Reprinted as **Technical Report TR-8741** (Syracuse: Northeast Artificial Intelligence Consortium, Syracuse University, 1988): 2B-37–2B-51.
6. Rapaport, William J.; Wiebe, Janyce M.; & Dipert, Randall R. (1987/1988), "Intensional Knowledge Representation", **Computer Science Research Review** (Buffalo: SUNY Buffalo Department of Computer Science): 48–63.
7. Shapiro, Stuart C., & Rapaport, William J. (1987), "Knowledge Representation for Natural Language Processing", *Presentations from the 1987 Natural Language Planning Workshop*, **Technical Report WR-8703** (Griffis Air Force Base, NY: Northeast Artificial Intelligence Consortium, Rome Air Development Center): 56–77.
8. Shapiro, Stuart C., & Rapaport, William J. (1988), "Models and Minds: A Reply to Barnden", **Technical Report TR-8737** (Syracuse: Northeast Artificial Intelligence Consortium, Syracuse University, March 1988); reprinted as "Models and Minds", **Computer Science Research Review** (Buffalo: SUNY Buffalo Department of Computer Science, 1988/1989): 24–30.
9. Rapaport, William J., & the SNePS Research Group (1988), "A Knowledge-Representation Challenge for SNePS", **SNeRG Technical Note No. 20** (Buffalo: SNePS Research Group, SUNY Buffalo Department of Computer Science).
10. Roberts, Lawrence D., & Rapaport, William J. (1988), "Quantifier Order, Reflexive Pronouns, and Quasi-Indexicals", **Technical Report 88-16** (Buffalo: SUNY Buffalo Department of Computer Science, August 1988).
11. Rapaport, William J.; Segal, Erwin M.; Shapiro, Stuart C.; Zubin, David A.; Bruder, Gail A.; Duchan, Judith F.; Almeida, Michael J.; Daniels, Joyce H.; Galbraith, Mary M.; Wiebe, Janyce M.; & Yuhon, Albert Hanyong (1989), "Deictic Centers and the Cognitive Structure of Narrative Comprehension", **Technical Report 89-01** (Buffalo: SUNY Buffalo Department of Computer Science, March 1989).
12. Rapaport, William J.; Segal, Erwin M.; Shapiro, Stuart C.; Zubin, David A.; Bruder, Gail A.; Duchan, Judith F.; & Mark, David M. (1989), "Cognitive and Computer Systems for Understanding Narrative Text", **Technical Report 89-07** (Buffalo: SUNY Buffalo Department of Computer Science, August 1989).
13. Rapaport, William J. (1990), "Computer Processes and Virtual Persons: Comments on Cole's 'Artificial Intelligence and Personal Identity'", **Technical Report 90-13** (Buffalo: SUNY Buffalo Department of Computer Science, May 1990).
14. Galbraith, Mary, & Rapaport, William J. (eds.) (1991), "Where Does *I* Come From? Subjectivity and the Debate over Computational Cognitive Science", **Technical Report 91-01** (Buffalo: SUNY Buffalo Center for Cognitive Science, May 1991).

15. Ehrlich, Karen, & Rapaport, William J. (1992), "Automatic Acquisition of Word Meanings from Natural-Language Contexts", **Technical Report 92-03** (Buffalo: SUNY Buffalo Center for Cognitive Science, July 1992).
16. Ehrlich, Karen, & Rapaport, William J. (1993), "Vocabulary Expansion through Natural-Language Context", **Proceedings of the 8th Annual University at Buffalo Graduate Conference on Computer Science** (Buffalo: SUNY Buffalo Department of Computer Science): 78–84.
17. Ehrlich, Karen, & Rapaport, William J. (1995), "A Computational Theory of Vocabulary Expansion: Project Proposal", **Technical Report 95-15** (Buffalo: SUNY Buffalo Department of Computer Science) and **Technical Report 95-08** (Buffalo: SUNY Buffalo Center for Cognitive Science).
18. Koepsell, David R., & Rapaport, William J. (1995), "The Ontology of Cyberspace: Questions and Comments", **Technical Report 95-25** (Buffalo: SUNY Buffalo Department of Computer Science) and **Technical Report 95-09** (Buffalo: SUNY Buffalo Center for Cognitive Science).
19. Jacquette, Dale, & Rapaport, William J. (1995), "Virtual Relations vs. Virtual Universals: Essay, Comments, and Reply", **Technical Report 95-10** (Buffalo: SUNY Buffalo Center for Cognitive Science).
20. Rapaport, William J. (1996), "Cognitive Science", **Technical Report 96-19** (Buffalo: SUNY Buffalo Department of Computer Science, October 1996) and **Technical Report 96-4** (Buffalo: SUNY Buffalo Center for Cognitive Science, October 1996); longer version of invited/refereed book chapter 12, above.
21. Rapaport, William J. (1996), *Understanding Understanding: Semantics, Computation, and Cognition*, **Technical Report 96-26** (Buffalo: SUNY Buffalo Department of Computer Science).

## CONFERENCE PRESENTATIONS WITH NO PUBLISHED PROCEEDINGS<sup>6</sup>

### Submitted, Refereed Conference Presentations:

1. "Acquiring a Sense of a Word's Meaning from Verbal Context: Processes, Outcomes, and Curricular Directions", with Karen M. Wieland, Michael W. Kibby, & Tanya M. Christ (presenters), **National Reading Conference** (Orlando, FL).
2. "Contextual Vocabulary Acquisition: Cognitive Processes and Instructional Methods", with Michael W. Kibby (presenter) & Karen M. Wieland, **International Reading Association 21st World Congress on Reading** (Budapest, 2006).
3. "Helping Students Apply Reasoning to Gaining Word Meanings from Context: Application of Artificial Intelligence and Verbal Protocol Data to Curriculum Design", **49th Annual Convention of the International Reading Association** (Reno, NV; 2004) (with Michael W. Kibby).
4. "Deictic Centers and the Cognitive Structure of Narrative Comprehension", **First International Colloquium on Deixis** (University of Kentucky, 1994) (with Erwin Segal).
5. "Unsolvable Problems and Philosophical Progress", **Creighton Club/New York State Philosophical Association** (University of Rochester, 1982).
6. "Meinong, Defective Objects, and Psychological Paradoxes", **Tri-State Philosophical Association** (Pennsylvania State University/Behrend College, 1981).
7. "An Algebraic Interpretation of Deontic Logic", **Association for Symbolic Logic** (University of Wisconsin, 1978).
8. "The Algebraic Structure of Ethical Language", **Mathematical Association of America, Seaway Section** (Brock University, St. Catherine's, Ontario, 1978).
9. "The Logical Structure of Ethical Language", **Niagara Linguistics Society** (SUNY Buffalo, 1978).

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<sup>6</sup>Conferences with no published proceedings are the norm in philosophy and reading education, my other academic disciplines.

10. “Adverbial Theories and Meinongian Theories”
  - *Ontology Colloquium*, **American Philosophical Association Eastern Division** (Washington, DC, 1977).
  - **Tri-State Philosophical Association** (1977).
11. “How to Make the World Fit Our Language”, **Tri-State Philosophical Association** (1978).

#### **Invited Conference Presentations:**

1. “What Is Computer Science?”, Barwise Prize presentation, **American Philosophical Association Eastern Division** (Baltimore, 2017).
2. “On the Relation of Computing to the World”, Covey Award Keynote Address, **International Association for Computing and Philosophy (CEPE-IACAP 2015)** (University of Delaware, 2015).
3. “Salvaging Computationalism: How Cognition *Could* Be Computing”
  - (a) **Society for Machines and Mentality Symposium on Computation, AI, and Simulating Human Behaviour, Canadian Philosophical Association Congress** (University of Waterloo, 2012).
  - (b) **North American Conference on Computing and Philosophy (NA-CAP 2010)** (Carnegie-Mellon University, 2010).
  - (c) **International Association for Computing and Philosophy**, meeting collocated with the American Philosophical Association Central Division (Chicago, 2009).
4. “From Guise Theory to Contextual Vocabulary Acquisition”, **Language, Experience, and Reality** (University of Urbino (Italy), 2011).
5. “Contextual Vocabulary Acquisition: A Computational Theory and Curriculum”, **North American Computing and Philosophy Conference (NACAP-06)** (Rensselaer Polytechnic Institute, 2006).
6. “Philosophy of Computer Science”
  - (a) *Herbert A. Simon Keynote Address*, **North American Computing and Philosophy Conference (NACAP-06)** (Rensselaer Polytechnic Institute, 2006).
  - (b) **Workshop on Philosophy in Western New York: Past, Present, Future** (SUNY Fredonia, 2006).
7. “How Minds Can Be Computational Systems”, part of an Invited Symposium, *Are Minds Computational Systems?*, **88th Annual Meeting of the Southern Society for Philosophy and Psychology** (Nashville, 1996).
8. “Prolegomena to an Investigation of Hector-Neri Castañeda’s Influence on Artificial Intelligence”, *Society for Iberian and Latin American Thought*, **American Philosophical Association Eastern Division** (New York, 1995).
9. Comments on David R. Koepsell’s “The Ontology of Cyberspace”, **Tri-State Philosophical Association** (St. Bonaventure University, 1995).
10. “Can Computers Understand Language? A Cognitive-Science Approach to Understanding Narrative Texts”, **Reassessing the Cognitive Revolution: An Interdisciplinary Seminar** (York University, 1993).
11. Comments on Michael Gorman’s “Error and Intentionality”, **Tri-State Philosophical Association** (SUNY Fredonia, 1991).
12. “Because Mere Calculating Isn’t Thinking: Comments on Hauser’s ‘Why Isn’t My Pocket Calculator a Thinking Thing?’”, *Colloquium on Philosophy of Mind*, **American Philosophical Association Central Division** (Chicago, 1991).
13. “What is Cognitive Science?”, **Workshop on Artificial Intelligence: An Emerging Science or a Dying Art Form?** (SUNY Binghamton Program in Philosophy and Computer & Systems Science, 1990).

14. “Computer Processes and Virtual Persons: Comments on Cole’s ‘Artificial Intelligence and Personal Identity’”, *Colloquium on Artificial Intelligence*, **American Philosophical Association Central Division** (New Orleans, 1990).
15. “Aspects of Predication in a Propositional Semantic Network”, **Conference on Problems and Changes in the Concept of Predication** (University of California Humanities Research Institute, University of California at Irvine; 1989).
16. “Reflections on Reflexives and Quasi-Indexicals: Comments on Roberts’s ‘Quantifier Order, Reflexive Pronouns, and Quasi-indexicals’ ”, *Colloquium on Philosophy of Language*, **American Philosophical Association Eastern Division** (New York, 1987).
17. “Computational Philosophy”, **Second Annual Philosophy and Computers Conference** (Michigan State University, 1987).
18. “Comments on Cole’s ‘Thoughts and Thought Experiments’”, *Colloquium on Philosophy of Mind*, **American Philosophical Association Western Division** (Milwaukee, 1984).
19. “Comments on Dibrell’s ‘Persons and the Intentional Stance’”, **Creighton Club/New York State Philosophical Association** (Cazenovia, NY, 1984).

#### **NON-CONFERENCE PRESENTATIONS:**

##### **Invited External Presentations:**

1. “How Cognition Could Be Computing: Semiotic Systems, Computers, and the Mind”, Issues in Cognitive Science lecture series, Department of Cognitive Science, **Rensselaer Polytechnic Institute** (2011)
2. “Artificial Intelligence, Natural Language, and the Chinese Room”, inaugural lecture, external-speaker series, **Southwestern High School**, Lakewood, NY (2009)
3. “Contextual Vocabulary Acquisition: From Algorithm to Curriculum”, guest lecture in CMSC B325, Computational Linguistics, **Bryn Mawr College** (2007).
4. “Philosophy of Computer Science”, **Department of Philosophy and Delaware Valley Distinguished Lecture Series in Computer Science, jointly hosted by Bryn Mawr, Haverford, and Swarthmore Colleges and Villanova University** (2007).
5. “The Perry Scheme of Intellectual Development: Approaches to Successful Learning”, **Nova Southeastern University** (2006).
6. “In Defense of Contextual Vocabulary Acquisition: How to Do Things with Words in Context”, **Rensselaer Polytechnic Institute** (2005).
7. “How to Pass a Turing Test and Escape from the Chinese Room”, Computational Linguistics Seminar, Artificial Intelligence Research Group, Department of Computer Science, **University of Toronto** (2002)
8. “Contextual Vocabulary Acquisition: A Computational Theory and Educational Curriculum”, Computational Linguistics Seminar, Artificial Intelligence Research Group, Department of Computer Science, **University of Toronto** (2002)
9. “How Cassie (A Computational Cognitive Agent (Implemented in an Intensional Knowledge-Representation, Reasoning, and Acting System)) Can Learn New Words from Context”
  - AI Seminar Series, Department of Computing Science, **University of Alberta** (2000).
  - UMIACS Logic & AI Seminar, **University of Maryland at College Park** (2000).
  - Department of Computer Science, **SUNY Geneseo** (2000).
10. “A Computational Theory of Vocabulary Acquisition”, Program in Philosophy and Computers and Cognitive Science (PACCS), **SUNY Binghamton** (1999).

11. “How to Pass a Turing Test: Syntax Suffices for Understanding Natural Language”, master class taught to graduate students in the Program in Philosophy and Computers and Cognitive Science (PACCS), **SUNY Binghamton** (1999).
12. “How Computers Can Think: A Conversation with Cassie; or, Knowledge Representation for Natural-Language Understanding”, *Exceptional Minds/Exceptional Machines: Minds and Machines Public Lecture Series*, **Rensselaer Polytechnic Institute** (1998).
13. “Intelligent Chinese-English Machine Translation” (with Min-Hung Liao), **General Motors Research and Development Center**, Warren, MI (1996).
14. “A Computational Theory of Vocabulary Expansion Using an Intensional Knowledge Representation System”, Department of Philosophy, **University of Western Ontario** (1996).
15. “Deictic Centers and the Cognitive Structure of Narrative Comprehension”
  - Artificial Intelligence Center, **University of Georgia** (1995).
  - Department of Computer Science, **University of Rochester** (1988).
  - **Kodak Advanced Computing Research Labs**, Rochester, NY (1988).
  - **IBM T. J. Watson Research Center**, Hawthorne, NY (1988).
16. “The Perry Scheme of Intellectual Development”, Teaching Resource Center, **Erie Community College**, North Campus (1994)
17. “Can Computers Understand Language? A Cognitive-Science Approach to Understanding Narrative Texts”, Department of Philosophy, **SUNY Fredonia** (1992).
18. “Predication, Fiction, and Knowledge Representation”, *1989-1990 Distinguished Alumni Lecture*, Department of Philosophy, **Indiana University** (1990).
19. “The SNePS Knowledge Representation and Reasoning System”
  - Computer and Information Science Department, **Syracuse University** (1989).
  - Program in Philosophy and Computer & Systems Sciences, **SUNY Binghamton** (1988).
20. “Knowledge Representation for Natural-Language Understanding”, **Rochester Chapter, Association for Computing Machinery** (1988).
21. “Cognitive Science: Sciences of the Mind” and “Knowledge Representation for Natural-Language Understanding”, *11th Steelman Visiting Scientist Distinguished Lectureship*, **Lenoir-Rhyne College** (1988).
22. “Computational Philosophy”
  - Department of Psychology, **Stockton State College** (1987).
  - Department of Computer Science, **Colgate University** (1987).
23. “Artificial Intelligence and Philosophy”, Department of Computer Science, **Colgate University** (1986).
24. “Intensional Knowledge Representation in SNePS”, Advanced Computational Methods Center, **University of Georgia** (1986).
25. SNePS Workshop (with Stuart C. Shapiro), Department of Computer Science, **Univ. of Lowell** (1986).
26. “Logical Foundations for Belief Representation”
  - Department of Computer Science, **University of Texas at Austin** (1986).
  - Department of Computer Science, **University of Toronto** (1986).
  - Department of Philosophy, **St. Bonaventure University** (1985).
27. “Philosophy and Cognitive Science”, part of panel presentation on Cognitive Science, **Niagara County Community College** (1986).
28. “Belief Representation and Knowledge Representation”, Department of Computer Science, **Tulane University** (1984).

29. "How to Make the World Fit Our Language"
  - Department of Philosophy, **Ohio State University** (1981).
  - Department of Philosophy, **University of Santa Clara** (1981).
  - Department of Philosophy, **Lawrence University** (1977).
30. "Some Thoughts about Thought and Language", Department of Philosophy, **SUNY Fredonia** (1976).
31. "Meinong's Theory of Objects Vindicated", Department of Philosophy, **SUNY Geneseo** (1975).

**Invited Internal Presentations (all at SUNY Buffalo, except as noted)**

1. "Peer Editing", **Genteels' Excellence in Teaching Conference: Strategies to Maximize Student Engagement**, Session on Management and Learning Activities for Large Classes (2010).
2. "Artificial Intelligence, Natural Language, the Chinese Room, and Reading for Understanding", PSY 575, Introduction to Cognitive Science (2010).
3. "Contextual Vocabulary Acquisition: From Algorithm to Curriculum"
  - CSE 663, Advanced Knowledge Representation & Reasoning (2010)
  - Center for Cognitive Science (2009, 2003)
  - 4th Annual IGERT Colloquium Series (Dept. of Geography; 2002)
4. "In Defense of Contextual Vocabulary Acquisition: How to Do Things with Words in Context", Center for Cognitive Science (2005).
5. "How to Pass a Turing Test and Escape from the Chinese Room",
  - LIN 575, Introduction to Cognitive Science (2003)
  - PHI 525, Philosophical Analysis (2002)
  - PHI 575, Introduction to Cognitive Science (1999)
6. "The Perry Scheme of Intellectual Development"
  - Summer Teaching Assistant Workshops (1990, 1992–1997, 1999–2003)
  - Critical Thinking Conference, Office of Teaching Effectiveness (1993)
  - Teaching the Undergraduate Science Courses of the General Education Program (1992)
  - Summer Faculty Development Workshop for Science Core Curriculum (1991–1992)
  - Department of Computer Science Colloquium (1991–1992)
7. Panel member, UB Sesquicentennial Symposium on Frontiers of Knowledge in Nature, Society, and Culture: Does the Body Matter? (1996).
8. Comments on John Corcoran's "Critical Thinking and Education", Department of Philosophy and Buffalo Logic Colloquium (1996).
9. "How Minds Can Be Computational Systems", Center for Cognitive Science (1996).
10. "Virtual Universals: Comments on Dale Jacquette's 'Virtual Relations' ", **Marvin Farber Conference on the Ontology and Epistemology of Relations** (Department of Philosophy, 1994).
11. "Can Computers Understand Language? A Cognitive-Science Approach to Understanding Narrative Texts", *Workshop on Deixis in Narrative*, **First International Summer Institute in Cognitive Science** (1994).
12. "Cognition, Narrative, and Computation", Cognitive Science Graduate Club (1992)
13. "Cognitive and Computer Systems for Understanding Narrative Text", *Symposium on Cognitive, Computational, and Phenomenological Approaches to Understanding Narrative*, Center for Cognitive Science (1991).
14. "Computational Philosophy (or: Philosophical Computation?)", Center for Cognitive Science (1991).



15. "Artificial Intelligence and Fiction", Department of Biophysical Sciences (1990).
16. "Representing Fiction in SNePS", First Annual SNePS Workshop (1989).
17. "Artificial Intelligence", Science Exploration Day (1987, 1989).
18. "Artificial Intelligence" and "Cognitive Science", Faculty and Students Together (1988).
19. "Artificial Intelligence", Western NY Science Forum (1988).
20. "Intellectual Growth and Critical Thinking", Mentor Program Seminar (1986–1987).
21. "Philosophy and Computers", Undergraduate Philosophy Club (1985).
22. "Machine Understanding and Data Abstraction in Searle's Chinese Room"
  - Department of Philosophy (1984).
  - Department of Computer Science (1984).
23. "Belief Representation and Knowledge Representation"
  - Department of Computer Science (1984).
  - Computer Science Club, SUNY Fredonia (1984).
24. "Unsolvable Problems and Philosophical Progress", Department of Philosophy, SUNY Fredonia (1981).
25. "Meinong, Defective Objects, and Psychological Paradoxes"
  - Buffalo Logic Colloquium (1981).
  - Department of Philosophy, SUNY Fredonia (1980).
26. "A Logician's Approach to Language", Language and Linguistics Club, SUNY Fredonia (1977).
27. "How to Make the World Fit Our Language", Department of Philosophy, SUNY Fredonia (1977).
28. "A Paradox in the Structure of Existence", Department of Philosophy, SUNY Fredonia (1976).

## GRANTS AND FELLOWSHIPS:

### At SUNY Buffalo:

#### Externally Funded:

2001–2003:	NSF Research on Learning and Education (ROLE) Program: <i>Contextual Vocabulary Acquisition: Development of a Computational Theory and Educational Curriculum</i> (PI)	\$200,000
1987–1989:	NSF Knowledge and Database Systems Program (Computer and Information Science): <i>Cognitive and Computer Systems for Understanding Narrative Text</i> (Co-PI)	\$369,769
1987:	NSF Knowledge and Database Systems Program: Research Experiences for Undergraduates (supplement to <i>Logical Foundations for Belief Representation</i> ) (PI)	\$5,984
1986:	NSF Information Science and Technology Program: Research Opportunity Award (supplement to <i>Logical Foundations for Belief Representation</i> ) (PI)	\$12,000
1985–1987:	NSF Information Science and Technology Program: <i>Logical Foundations for Belief Representation</i> (PI)	\$104,979
1985–1986:	NSF Computer Science Research Equipment (Co-PI on departmental grant)	\$150,000

#### Internally Funded:

1990:	SUNY Buffalo Center for Cognitive Science: <i>Flexible Natural Language Processing: Representations for Natural Category Systems</i> (PI)	\$2,000
1990:	SUNY Buffalo Conferences in the Disciplines: Center for Cognitive Science Workshop: <i>Where Does I Come From? Subjectivity and the Debate over Computational Cognitive Science</i> (PI)	\$2,000
1988:	SUNY Buffalo Conferences in the Disciplines: 26th Annual Meeting, Association for Computational Linguistics (PI)	\$1,000
1986–1987:	SUNY Research Development Fund Award: <i>A Computational Theory of Natural-Language Understanding</i> (PI)	\$1,200
1984–1985:	SUNY Research Development Fund Award: <i>Logical Foundations for Belief Representation</i> (PI)	\$5,009

### At SUNY Fredonia:

#### Externally Funded:

1982:	US Dept. of Education FIPSE “Creating Connections” grant (co-PI; unable to accept)	\$400
1981:	NEH Pilot Grant: <i>Humanistic Component of General–Liberal Education</i> (Co-PI)	\$44,189
1980:	NEH Residential Fellowship for College Teachers (PI; unable to accept)	\$19,000
1979:	NEH Summer Stipend: <i>New Foundations for Natural Language Semantics</i> (PI)	\$2,500

#### Internally Funded:

1981:	SUNY Faculty Research Fellowship: <i>Logical and Psychological Paradoxes</i> (PI)	\$2,150
1980:	SUNY Grant-in-Aid: <i>Meinongian Theories of Language and Mind</i> (PI)	\$437
1978:	SUNY Faculty Research Fellowship: <i>The Structure of Ethical Language</i> (PI)	\$2,000
1977:	SUNY Faculty Research Fellowship: <i>Meinongian Theories and Russellian Paradoxes</i> (PI)	\$1,850

## **TEACHING:**

### **Ph.D. Dissertation Director (Department of Computer Science, SUNY Buffalo):**

1. Janyce M. Wiebe, "Recognizing Subjective Sentences: A Computational Investigation of Narrative Text" (1990)
  - was Professor, Department of Computer Science, University of Pittsburgh, before her untimely passing.
2. Rohini K. Srihari, "Extracting Visual Information from Text: Using Captions to Label Faces in Newspaper Photographs" (1991)
  - currently, Professor, Department of Computer Science and Engineering, and Adjunct Professor of Electrical Engineering, SUNY Buffalo
3. Robin Hill, "Issues of Semantics in a Semantic Network Representation of Belief" (1994)
  - currently, Lecturer, Department of Computer Science; Affiliate, Department of Philosophy and Religious Studies; and Affiliate, Wyoming Institute for Humanities Research, University of Wyoming.
4. Karen Ehrlich, "Automatic Vocabulary Expansion through Narrative Context" (1994)
  - most recently, Instructor, SUNY Empire State College
5. Adrienne Decker, "How Students Measure Up: An Assessment Instrument for Introductory Computer Science" (2007).
  - currently, Assistant Professor, Department of Engineering Education, SUNY Buffalo
6. Albert Goldfain, "A Computational Theory of Early Mathematical Cognition" (2008).
  - Currently, Principal Data Scientist, Ecolab (Eagan, MN)

### **M.S. Thesis Director (Department of Computer Science, SUNY Buffalo):**

- Richard Wyatt, Ph.D., "The Representation of Opaque Contexts" (1989)
- currently, Associate Professor, Department of Computer Science, West Chester University (Pennsylvania).

### **M.S. Project Director:**

#### **Department of Computer Science:**

1. Ronald L. A. Weekes, "Parsing and Generating with an ATN Grammar" (1985)
2. Sudha Kumari Kailar, "Natural-Language Generation from a Semantic Network" (1986)
  - last known position:, Senior Vice President, Business Development, BNETAL (Manlius, NY)
3. Neal Bross, "Scheme for an Automated Theorem Prover" (1986)
4. Margaret Schwartz, "A Comparison of LISP and Scheme" (1987)
5. William Ansley, "A SNePS Implementation of Micro-SAM" (1989)
6. Christopher Lusardi, "A SNePS/Cassie Implementation of Parts of the *Dictionary of Cultural Literacy*" (1991)
7. Daniel Campos, "Temporal Relations and Spanish Narrative" (1991)
  - currently, Strategic Strategic Projects Consultant, Adexus (Chile)
8. Sandra L. Peters, "The Representation of Natural Category Systems" (1992)
  - formerly, Associate Director, Academic Services, Computing & Information Technology, SUNY Buffalo

9. Suzanne H. Selib, "An ATN Grammar for Lexical Acquisition" (1995)
10. Brian Harris, "A Natural-Language Unix Interpreter" (1996)
11. Mark R. Jensen, "Knowledge Representation of an Encyclopedia Article" (1996)
12. Afshin Shafie, "Knowledge Representation in SNePS" (1996)
  - currently, Co-Founder, Byga (San Francisco Bay Area)
13. Jonathan DeAngelo, "Implementing Polysemy in a Knowledge Representation Scheme" (1996)
14. Min-Hung Liao, "Chinese to English Machine Translation Using SNePS as an Interlingua" (1998).
15. Anthony S. Petre, "Using the LKB System with SNePS" (2000).
16. Marc K. Broklawski, "Computational Contextual Vocabulary Acquisition: A Noun Algorithm" (2001).
  - Currently, IT Program Manager, United States Patent and Trademark Office, Washington, DC.
17. Dan Jong Kim, "A Survey of Machine Learning Techniques for Language (Vocabulary) Acquisition" (2001).
  - Currently, Professor, Information Technology & Decision Sciences, University of North Texas
18. Michael Schiller, "Understanding Pablo: An Exercise in Medical Natural Language Processing" (2001).
19. Rajeev Sood, "A Case Study in Computational Understanding of Hospital Discharge Summaries" (2001).
20. Igor Yakymenko, "Machine Learning Techniques in NLP for Word Sense Disambiguation" (2001).
21. Justin Del Vecchio, "A Computational Definition of 'Proliferate', Using SNePS" (2002).
  - Currently, Research Scientist/Senior Software Engineer, CUBRC, Cheektowaga, NY
22. Scott Napieralski, "An Enhanced Noun Definition Algorithm" (2003).
  - Currently, Director, Product Development, IHS Markit (Denver)
23. Matthew Sweeney, "Maximizing the Accuracy of the Retrieved Definition of 'Estuary' from Contextual Information" (2004).
24. Anger, Brian D., "Understanding It All: Defining 'Pyrrhic Victory' from Context" (2004)
25. Ananthakrishnan Ugrasenan Santha, "Deducing Verb Meanings from Context" (2004)
26. Lunarso Sutanto, "Inferring the Meaning of [the Verb] 'Quail' " (2004).
27. Jeffrey Howell, "Defining 'Bartizan' through Contextual Vocabulary Acquisition" (2008).
28. Peter Hoellig, "Performing Computational Contextual Vocabulary Acquisition to Define 'Hysteria' " (2008).

**Interdisciplinary Master's in Computational Linguistics:**

- Christopher L. Becker, "Contextual Vocabulary Acquisition of Verbs" (2005).

**Ph.D. Dissertation Committee Member:**

**Department of Computer Science:**

1. Ernesto J.M. Morgado, “Semantic Networks as Abstract Data Types” (1986)
  - Currently, Associate Professor, Computer Science & Engineering, Instituto Superior Técnico, Lisbon; co-founder, SISCOG (Portugal); and president, Ernesto Morgado S.A.
2. Michael J. Almeida, “Reasoning about the Temporal Structure of Narratives” (1987)
  - Deceased
3. Zhigang Xiang, “Multi-Level Model-Based Diagnostic Reasoning” (1988)
  - Currently, Chairperson, Department of Computer Science, CUNY Queens College
4. Albert Hanyong Yuhan, “Dynamic Computation of Spatial Reference Frames in Narrative Understanding” (1991)
5. Edward Cohen, “Reading Unconstrained Handwritten Text in Limited Domains” (1992)
6. Syed Ali, “ANALOG: A ‘Natural Logic’ for Natural Language Processing and Knowledge Representation” (1993)
7. Joongmin Choi, “Experience-Based Learning in Deductive Reasoning Systems” (1993)
  - Currently, Professor, Department of Computer Science and Engineering, Hanyang University (South Korea)
8. Juergen Haas, “Inference of Semantics from Examples: From Context-Free to Definite-Clause Grammars” (1993)
  - Currently, Lead Algorithm Engineer, Blast Motion (San Diego)
9. Deepak Kumar, “From Beliefs and Goals to Intentions and Actions: An Amalgamated Model of Acting and Inference” (1993)
  - Currently, Professor, Department of Computer Science, and Adjunct Faculty, Department of Philosophy, Bryn Mawr College
10. Susan Haller, “Interactive Generation of Plan Descriptions and Justifications” (1994)
  - formerly, Professor, Department of Computer Science, SUNY College at Potsdam; currently, Adjunct Faculty, Computer Science, RIT
11. Stephen W.K. Lam, “A Computational Framework for Adaptive Reading in Document Image Understanding” (1994)
12. Johan Lammens, “A Computational Model of Color Perception and Color Naming” (1994)
  - Currently, Senior Technical Consultant and Program Manager, Hewlett-Packard (Barcelona)
13. Debashish Niyogi, “A Knowledge-Based Approach to Deriving Logical Structure from Document Images” (1994)
  - Currently, IT Project Management Consultant, Genentech (San Francisco)
14. Hans Chalupsky, “Belief Ascription by Way of Simulative Reasoning” (1995)
  - Currently, Research Lead, Loom Knowledge Representation, Reasoning & Discovery Group, USC Information Sciences Institute (Marina del Rey, CA)
15. Henry Hexmoor, “Representing and Learning Routine Activities” (1995)
  - Currently, Associate Professor, Department of Computer Science, Southern Illinois University
16. Philip S. Goetz, “Attractors in Recurrent Behavior Networks” (1997).
  - Currently, Senior Bioinformatics Engineer, J. Craig Venter Institute

17. V. Krpāsundar, “Language Models for Post-Processing the Output of a Recognizer for Handwritten Text, or How to Improve Recognition in Noisy Situations” (1999)
  - Currently, Software Engineer, Synopsis.
18. Alistair E. Campbell, “Ontological Mediation: Finding Translations across Dialects by Asking Questions” (2000)
  - Currently, Associate Professor, Department of Computer Science, Hamilton College
19. Haythem O. Ismail, “Reasoning and Acting in Time” (2001).
  - Currently, Associate Professor, Department of Engineering Mathematics and Physics, Cairo University; and Assistant Professor, Computer Science Department, German University in Cairo
20. Debra T. Burhans, “A Question-Answering Interpretation of Resolution Refutation” (2002)
  - Currently, Associate Professor, Department of Computer Science, Canisius College
21. Philip Ventura, Jr., “On the Origins of Programmers: Identifying Predictors of Success for an Objects-First CS1” (2003).
  - Currently, Assistant Professor, Department of Engineering and Computer Science, Broward College-North Campus
22. John F. Santore, “Identifying Perceptually Indistinguishable Objects” (2005).
  - Currently, Associate Professor, Computer Science Department, Bridgewater State University (Massachusetts)
23. Frances L. Johnson, “Dependency-Directed Reconsideration: An Anytime Algorithm for Hindsight Knowledge-Base Optimization” (2006).
24. Robert Milewski, “Automatic Recognition of Handwritten Medical Forms for Search Engines” (2006).
25. Amalia I. Rusu, “Exploiting the Gap in Human and Machine Abilities in Handwriting Recognition for Web Security Applications” (2007).
  - Currently, Assistant Professor of Software Engineering, School of Engineering, Fairfield University (Connecticut)
26. Achint Oommen Thomas, “Enhancing Cyber Security through the Use of Synthetic Handwritten CAPTCHAs” (2010).
  - Currently, Scientist, Yahoo! Research
27. Ali Patrice Seyed, “A Method for Evaluating and Standardizing Ontologies” (2012)
  - Currently, Postdoctoral Fellow, Tetherless World Constellation, Rensselaer Polytechnic Institute
28. Jonathan P. Bona, “MGLAIR: A Multimodal Cognitive Agent Architecture” (2013).
29. Daniel R. Schlegel, “Concurrent Inference Graphs” (expected, 2014).

#### **Department of Learning and Instruction:**

1. Tanya Christ, “Oral Language Exposure and Incidental Vocabulary Acquisition: An Exploration Across Three Kindergarten Classrooms” (2007)
  - Currently, Assistant Professor, Department of Reading and Language Arts, Oakland University
2. Karen Wieland, “Toward a Unified Theory of Contextual Vocabulary Acquisition” (2008)
  - Currently, Assistant Professor, Department of Literacy Education, School of Education, St. Bonaventure University

**Department of Linguistics:**

1. Hassan Taman, "MIDS: A Modular Interactive System for Disambiguating Arabic Orthography" (1986)
2. Douglas-Val Ziegler, "The Automatic Identification of Languages Using Linguistic Recognition Signals" (1991)
3. Naicong Li, "Perspective-Taking in Mandarin Discourse" (1991)
  - Currently, Senior Research and GIS Analyst, Redlands Institute
4. Wynne Janis, "The Pronominal Reference System of ASL: Indexing" (1992)
5. Ring Mei-Han Low, "The Phenomenon of the Word *the* in English: Discourse Functions and Distribution Patterns" (2005).
6. Marla Beth Perkins, "There and Back Again: Discourse and Pragmatic Strategies for Describing Spatial Locations in Narrative Fiction" (2009).

**Department of Philosophy:**

1. David R. Koepsell, "The Ontology of Cyberspace" (1997).
  - Currently, Associate Professor, Department of Philosophy, Delft University of Technology
2. Gerald J. Erion, "Common Sense: An Investigation in Ontology, Epistemology, and Moral Philosophy" (2000).
  - Currently, Associate Professor of Philosophy, Department of Humanities, Medaille College, Buffalo, NY
3. Jaime Ramos, "A Critical Study of the Language of Thought Hypothesis" (2000).
4. Michael Happold, "Information, Computation, and the Nature of Cognition: A Critique of Computational Approaches to Understanding and Creating Minds" (2000).
  - Currently, Senior Robotics Research Scientist, Neya Systems.
5. Chien-Chih Chi, "An Analysis of the Problem of the Irreducibility of the Mind" (2004).
6. William D. Duncan, "Toward an Ontology of Computational Artifacts" (expected, 2012).

**SUNY Binghamton Department of Philosophy:**

- **Interdisciplinary Graduate Program in Philosophy and Computers and Cognitive Science:**
  - Changsin Lee, "The Acquisition of Mental Vocabulary and the Development of Social Cognition" (1998).

**Ph.D. Dissertation Outside Reader/External Examiner:**

**SUNY Buffalo:**

**Department of Psychology:**

1. Joyce H. Daniels, “The Role of Function in the Organization of Conceptual Information in Semantic Memory” (1987)
2. Penny Nuwer, “Interactive vs. Independent Processing of Visual and Phonological Components of Words” (1989)
3. Lorraine Engl, “Effects of Semantic Information and Physical Boundaries on Cognitive Maps” (1989)

**Department of Learning and Instruction, Graduate School of Education:**

- Peter Brouwer, “An Analysis of Student Debugging Strategies” (1992)

**Department of Linguistics:**

- David Houghton, “Something about ‘anything’: A Semantic Study of *a, any, the, and certain*” (2000)

**Department of Philosophy, University of Western Ontario, Canada:**

- Marcello Guarini, “Rules and Representations in the Classicism-Connectionism Debate” (1998)
- Leonardo Jordão “Elements of a New Constructional System” (2010)

**Department of Philosophy, University of Toronto, Canada:**

- Christopher D. Green, “(How) Do Connectionist Networks Model Cognition?” (2004)

**Graduate School of Education Doctoral Qualifying Paper Committee:**

- John Fadeley, “The Role of Cognitive Learning Theory in the Development of Learner Models for Intelligent Tutoring Systems” (2004)



**M.S. Thesis Committee Member:**

**Department of Computer Science & Engineering:**

- Bharat Bhushan, “Preferential Ordering of Beliefs for Default Reasoning” (2003)
- Ari Ilan Fogel, “On the Use of Epistemic Ordering Functions as Decision Criteria for Automated Belief Revision in SNePS” (2011)

**Department of Romance Languages and Literatures:**

- Andrea Perez Mukdsi, “Cognitive Approach to the Particles ‘por’ and ‘para’ in Spanish” (2009)

**Department of Linguistics:**

- Min-Hung Liao, “A Chinese–English Machine Translation System” (1998).

**Department of Oral Sciences, School of Dental Medicine:**

- Catherine Gogan, D.D.S., “Intellectual Development of Dental Students as Evaluated by the Measure of Epistemological Reflection” (1995).

**M.A. Committee Member:**

**Interdisciplinary Social Sciences/Cognitive Science:**

- Eugene Lunken (1992)

**Department of Philosophy:**

- Anthony Petro (1993)

**Department of Philosophy Graduate Advisory Committee Member:**

1. Ashutosh Kalsi (1996–1998)
2. Aileen T. Paraguya (1996–1998)

**Courses Taught:**

*Undergraduate*

*Graduate*

*SUNY Buffalo:*

Great Ideas in Computer Science I	Philosophy of Computer Science
Great Ideas in Computer Science II	Introduction to Artificial Intelligence (now: Knowledge-Based AI)
Introduction to Computer Science I	Introduction to Cognitive Science
Introduction to Computer Science II	Techniques of AI: Logic and AI
Introduction to Discrete Mathematics I	Techniques of AI: Contextual Vocabulary Acquisition
Philosophy of Computer Science (PHI & CSE)	Natural Language Understanding (now: Computational Linguistics)
Introduction to Artificial Intelligence (now: Knowledge-Based AI)	Knowledge Representation & Reasoning
Program Development	Advanced Topics in Knowledge Representation
Knowledge Representation & Reasoning	Introduction to Graduate Studies in CSE
Introduction to the Theory of Computation	

*Graduate Seminars*

Belief Systems in AI	Lakoff's Theory of Categories and the Mind
Situation Semantics	Semantics, Computation, and Cognition
Machine Translation	Natural-Language Understanding & Generation
Cognitive Science Research	Medical Natural-Language Processing
Natural-Language Competence	Contextual Vocabulary Acquisition
	Computational Theories of Consciousness

*First International Summer Institute in Cognitive Science:*

Introduction to Artificial Intelligence  
Introduction to Philosophy for Cognitive Science

*SUNY Fredonia:*

Introduction to Philosophy	Philosophy of Language
Introduction to Deductive Logic	
Intermediate Deductive Logic	
Greek Philosophy	
Analytic Philosophy Since 1900	
Philosophy of Artificial Intelligence	
Philosophy of Language	
Philosophy of Mind	
Mathematical Logic	
Intermediate Computer Programming I	
Effective Writing and Analytical Skills	

Summer Faculty Development Workshops in Teaching Informal Logic

*Indiana University:*

Introduction to Logic  
Symbolic Logic  
Analytic Geometry and Calculus I

*Walden School:*

Secondary School Mathematics Curriculum Improvement Study,  
Algebra, Geometry, Analytic Geometry, Trigonometry  
(grades 7–12)

*Inwood JHS:*

regular, advanced, and non-English-speaking 7th-grade mathematics

## SERVICE:

### 1. Professional:

**AskPhilosophers.org panelist** (2008–present)

#### **Offices and Committee Memberships:**

- (a) **Society for Machines and Mentality**
  - Immediate Past President (1993–1995)
  - Elected first President (1991–1993)
- (b) **American Philosophical Association**
  - Committee on Computer Use in Philosophy (1989–1992, 1994–1997)
  - Subcommittee on Computing and Philosophical Research (1994–1997)
  - Subcommittee on Computing and Professional Cooperation of Philosophers (1994–1997)
  - Subcommittee on Computer Technology and Ethics (1989–1992)
  - Delphi Research Panel on Critical Thinking (1988–1989)
  - Committee on Pre-College Instruction in Philosophy (1981–1988)

#### **Editorial:**

- (a) Member, Editorial Board:
  - **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** (1998–present)
  - **Noûs** (quarterly journal of philosophy published by Wiley; 1990–present)
  - **Studies in Cognitive Systems** (book series published by Springer; 1987–present)
  - **Machine Translation** (formerly, **Computers and Translation**; published by Kluwer Academic Publishers; 1987–1998)
  - **Computational Linguistics** (Association for Computational Linguistics; 1987–1989)
- (b) **Minds and Machines: Journal for Artificial Intelligence, Philosophy, and Cognitive Science** (Dordrecht, The Netherlands: Kluwer Academic Publishers):
  - Review Editor (1994–1998)
  - Book Review Editor (1990–1994)
- (c) Contributing Editor, **American Philosophical Association Newsletter on Teaching Philosophy** (1986–1988)
- (d) Co-Editor, **American Philosophical Association Newsletter on Pre-College Instruction in Philosophy** (1983–1986)
- (e) Assistant to the Editor, **Noûs** (1972–1975)
- (f) Reviewer/referee for:  
**Journals:** *Abacus, Artificial Intelligence, Australasian Journal of Philosophy, Behavioral & Brain Sciences, Cognitive Science, Computational Linguistics, Foundations of Science, Grazer Philosophische Studien, International Journal on Artificial Intelligence Tools, Journal of Applied Logic, Journal of Experimental & Theoretical Artificial Intelligence, Journal of Philosophical Logic, Journal of Philosophical Research, Journal of Philosophy, Journal of Psycholinguistic Research, Journal of Pragmatics, Minds & Machines, The Monist, Noûs, Open Philosophy, Philosophia Mathematica, Philosophical Quarterly, Philosophy & Phenomenological Research, Philosophy & Technology, Pragmatics & Cognition, Reading Research Quarterly, Stanford Encyclopedia of Philosophy, Synthese, Teaching Philosophy, Theoretical Computer Science, Topoi.*

**Publishers:** Cambridge University Press; Chapman & Hall/CRC Press; Harvard University Press; John Wiley; Kluwer; Little, Brown; Macmillan; McGraw-Hill; MIT Press; Oxford University Press; Prentice Hall; Princeton University Press; Routledge; University of Toronto Press; Wadsworth; Wiley Blackwell.

**Other:** Canada Council Killam Research Fellowships, National Science Foundation, National Sciences and Engineering Research Council of Canada

(g) Miscellaneous:

- i. Editor, **First International Summer Institute of Cognitive Science Handbook** (Buffalo: SUNY Buffalo Center for Cognitive Science, 1994)
- ii. Author and editor, **Association for Computational Linguistics Conference Local-Arrangements Manual** (1988)

**Conferences:**

- (a) Program Committee, **2nd International Conference on the History and Philosophy of Computing (HaPoC 2)** (2012–2013)
- (b) Referee, **Computability in Europe 2010 (CiE2010)** (2010)
- (c) Referee, 13th–20th, 22nd–23rd, 25th–27th, 29th–30th, 32nd Annual Conference, **Cognitive Science Society** (1991–1998, 2000–2001, 2003–2005, 2007–2008, 2010–2011)
- (d) Referee, **European Computing and Philosophy Conference (ECAP-07)** (2007)
- (e) Referee, **19th International Joint Conference on Artificial Intelligence (IJCAI-05)** (2005)
- (f) Referee, **European Cognitive Science Conference (EuroCogSci03)** (2003)
- (g) Session chair, **Recent Thoughts about the Liar**, SUNY Buffalo Department of Philosophy (2002)
- (h) Chair, Colloquium on Philosophy of Mind, **American Philosophical Association Eastern Division** (New York, 1995)
- (i) Referee, 7th Portuguese Conference on Artificial Intelligence (EPIA-95) (1995)
- (j) Chair, Symposium on Artificial Intelligence and Rationality, **American Philosophical Association Central Division** (Chicago, 1993)
- (k) Program Committee, Student Session, **29th Annual Meeting of the Association for Computational Linguistics** (University of California at Berkeley, 1991)
- (l) Referee, **Society for Philosophy and Psychology** (1991)
- (m) Local Arrangements Chair, **26th Annual Meeting of the Association for Computational Linguistics** (SUNY Buffalo, 1988)
- (n) Chair, Colloquium on Pre-College Instruction in Philosophy, **American Philosophical Association Central Division** (Chicago, 1987)
- (o) Chair, Second Session on Cognitive Modelling and Education, **5th National Conference on Artificial Intelligence (AAAI-86)**, Philadelphia, 1986)
- (p) Chair, Colloquium on Philosophy of Mind/Mental Images, **American Philosophical Association Western Division** (Columbus, 1982)
- (q) Chair, Session on the Nature of Natures, **Tri-State Philosophical Association** (1982)
- (r) Organizer, chair, and participant: Panel discussion on Teaching Informal Logic, **Tri-State Philosophical Association** (1979); see *Informal Logic Newsletter* 2 (November 1979) 7–9

**Other:** Author of questions for Law School Admissions Test (LSAT)

## 2. At SUNY Buffalo:

### (a) **Department of Computer Science [and Engineering]:**

- **Associate Director, SNePS Research Group** (1984–present)
- Policy Committee (1984–2012)
- Graduate Affairs/Graduate Studies Committee  
(1984–1985, 1987–1988, 1992–1998, 2002–2003, 2006–2011)
- Graduate Faculty (1985–2012)
- Personnel Committee (1988–2012)
- Teaching Quality Committee (2007–2011)
- **Chair, Teaching Quality Committee** (1997–1998, 1999–2005)
- **Director of Graduate Studies** (1993–1996, 2006–2007)
- Executive Committee (1988–1991, 1993–1996, 2006–2007)
- Undergraduate Affairs Committee (1990–1991, 2003–2005)
  - Chair, Ad Hoc Subcommittee to review syllabus for CS 191–192  
(Introduction to Discrete Mathematics) (1995)
- Grievance Committee (2002–2005)
- Web and Publications Committee (2001–2002, 2003–2005)
- **Chair, Lecturer Search Committee** (2000)
- Facilities Committee (1999–2001)
- Lecturer Recruiting Committee (1998)
- Graduate Students Employees Union campus advisory committee (1994–1998)
- Department representative/alternate, Faculty of Natural Sciences & Mathematics Undergraduate Grievance Pool (1987–1991, 1992–1998)
- Department representative/alternate, Faculty of Natural Sciences & Mathematics Graduate Grievance Pool (1987–1991, 1992–1998)
- Educational Technology Committee (1997)
- Recruiting Committee (1985–1986, 1990–1991, 1996–1997)
- **Chair, Colloquium Committee** (1985–1986, 1992–1993)
- CISE Institutional Infrastructure Committee (1991)
- **Director of Undergraduate Studies** (1988–1991)
- Department Brochures Committee (1986–1991)
- **Chair, Department of Computer Science Chairperson Search Committee** (1989–1990)
- RDF Expenditures Committee (1988–1990)
- Undergraduate Studies Committee (1986–1987, 1988–1990)
- OPAS Committee (1987–1988)
- Graduate Admissions Committee (1984–1985, 1987–1988)
- **Project Director, TI Scheme Instructional Beta Test Program** (1985–1987)

- (b) **Center for Cognitive Science:**
- Colloquium Chair (2006–2008)
  - Chair, Director Search Committee (2008)
  - Departmental Representative, Center for Cognitive Science Advisory Committee (1995–1998, 2001–2005)
  - Ph.D.-Tracks Committee (1999–2005)
  - Undergraduate Studies Committee (1999–2005)
  - Member, ad hoc search committee for Director (2004)
  - **Acting Director** (1996–1997)
  - **Interim Director** (1989–1990)
  - co-organizer, conference on The Metaphysics of Consciousness (1999)
  - Planning Committee, First International Summer Institute in Cognitive Science (1993–1994)
  - Organizing Committee, CCS Conference on Cognition and Representation (1991–1992)
  - Organizing Committee, CCS Workshop, “Where Does *I* Come From?” (1990)
  - **Co-Director, Graduate Group in Cognitive Science** (1986–1990)
  - **Coordinator, Planning Committee, Graduate Research Initiative in Cognitive and Linguistic Sciences** (1987–1989)
- (c) Department of Linguistics:
- External member, Faculty Search Committee (2002, 2005)
- (d) Vice-Provost-of-Undergraduate-Education Standing Committee for Academic Integrity (2005)
- (e) College of Arts & Sciences:
- i. Admissions Committee, MA Specialization in Computational Linguistics (2001–2012)
  - ii. Policy Committee (1999–2001)
    - Committee for Centers and Institutes (2000–2001)
    - Committee on Appointment, Promotion, and Tenure (appointed, 2000; ineligible to serve)
  - iii. Writing Task Force (1999–2000)
- (f) Chair, ad hoc committee to explore a master’s degree in information technology (2000)
- (g) Faculty Senate Committee on Academic Planning (1996–1998)
- (h) Graduate School
- i. Excellence in Teaching Award Committee (2005)
  - ii. Committee on Transfer Credits (1997)
  - iii. Executive Committee (1994–1996)
  - iv. Fellowship Committee (1995)
- (i) Faculty Mentor, Undergraduate Honors Program (1988–2012)
- (j) Faculty of Natural Science & Mathematics:
- i. Divisional Committee (1993–1996)
  - ii. Undergraduate Directors Committee (1988–1991)
- (k) School of Engineering & Applied Sciences:
- i. Graduate Academic Programs Committee (2006–2007)
  - ii. Advisor, BEAM program (for high-school students) (2003)
- (l) Organizing Committee, University at Buffalo Symposium in Honor of Alonzo Church (1990)
- (m) Faculty member, Program for Student Success Training: Workshop on Critical Reasoning (1985)

(n) Participant, Faculty Development Program (1984)

3. **At SUNY Fredonia:**

- Academic Convocation Committee (1980–1984)
- Graduate Faculty (1979–1984)
- Faculty member, General-Liberal Education Program (1978–1984);
- Faculty Council (1977–1980; 1981–1983); Foreign Language and Culture Committee (1978)
- General College Program Subcommittee (1982)
- Chair, General-Liberal Education Program Subcommittee (1981–1982)
- Coordinator, Analytical Skills Program (1979–1982)
- Faculty member, Academic Advising Center (1979–1981)
- Chair, General College Program Revision Subcommittee (1980)
- Co-chair, Basic Skills Subcommittee (1980)
- College representative, Assoc. of American Colleges Workshop on General Education (Boston, 1980)
- Faculty member, Program in Language and Linguistics (1976–1980)
- Departmental representative, Chairpersons' Retreat (1979)
- College representative, Conf. on Logic and Liberal Learning (Carnegie-Mellon Univ., 1979)
- Committee on Creative and Scholarly Research (1978–1979)
- College representative to Symposium on Informal Logic (University of Windsor, 1978)
- Departmental representative to Peer Advisors (1977–1978)
- Advisor, student Philosophical Society (1976–1978)
- Panel moderator, Purposes of Education, Moral Education, *Symposium on Philosophy of Education* (1977)

**PROFESSIONAL AFFILIATIONS:**

American Philosophical Association (1971–present)  
Association for the Advancement of Artificial Intelligence (1983–2015)  
Association for Computational Linguistics (1984–2015)  
Association for Computing Machinery (1983–2015)  
Association for Symbolic Logic (1971–2001)  
Canadian Information Processing Society (1988–1997)  
Cognitive Science Society (1983–2015)  
Creighton Club (New York State Philosophical Association) (1976–??)  
IEEE Computer Society (1985–1998)  
International Reading Association (2003–2012)  
Mathematical Association of America (1965–??)  
Niagara Linguistics Society (1988–??)  
Philosophy of Science Association (1986–1994)

## COMMUNITY SERVICE:

- A Brief History of 59 Lucy Lane, talk given to Jamestown A.M. Rotary Club (5 February 2020)
- Member, Board of Managers, Bryant Parish Condominium, Buffalo, NY (2015–2019)
  - President (2017–2019)
- Parents' Steering Committee, Colgate University, Hamilton, NY (2014–2018)
- Nichols School, Buffalo, NY:
  1. Education Committee (2012–2015)
  2. Parent Advisory Group (to Head of School Search Committee) (2012)
- Judge, Lewiston (NY) Culinary Arts Festival (2006).
- Chair, ad hoc committee to revise the bylaws of the Lucille Ball-Desi Arnaz Center (appointed by board president Lucie Arnaz Luckinbill) (2006).
- Restoration of Lucille Ball's childhood home, Celoron, NY (2005–2006).
- Judge, University News Service "Season's Eatings" cooking contest (2003).
- "Bill Rapaport's Buffalo Restaurant Guide", <http://www.cse.buffalo.edu/restaurant.guide/>
  - originally annual, then Web-based, 1988–2015
  - *Reader's Digest* LookSmart Editor's Choice Award (1997)
- Appointed to Parents' Council, SUNY College of Technology at Alfred, 1997–1998.
- "Understanding Understanding: Cognitive Science and Narrative", presentation to Western New York Mensa Society (1991)
- Named to "Buffalo Ambassadors", Greater Buffalo Convention and Visitors Bureau, for bringing ACL-88 to Buffalo



## IN THE MEDIA:

1. "A Philosophy of Computer Science Textbook", in *Leiter Reports: A Philosophy Blog*, <http://leiterreports.typepad.com/blog/2013/10/a-philosophy-of-computer-science-textbook.html>
2. Bisco, Jim (2012), "Bill Rapaport's Online Restaurant Guide Reaches a Milestone", **UB Reporter** (12 April); [http://www.buffalo.edu/ubreporter/2012.04.12/restaurants\\_rapaport](http://www.buffalo.edu/ubreporter/2012.04.12/restaurants_rapaport)
3. Radio interview about my "How to Study" website, WRHU, 88.7 FM, Hofstra University (12/11/09), on morning drive-time show with Christian Heimall.
4. Phillips, Dennis (2009), "Lucy Celebration Held at Star's Childhood Home", **Jamestown Post-Journal** (August 11): C1.
5. Smith, Hal (2007), "A Weekend with Lucy and Ricky", **Chicago Tribune** (6 May).
6. Seychew, Christa Glennie (2007), "The Rapaport Report", **Buffalo Rising Magazine** #6 (April): 44.
7. "Rapaports Donate to Lucy-Desi Center", *The Scene*, **Jamestown Post-Journal** (April 2006): 11.
8. "Two Gifts Presented to Lucy-Desi Center", **Buffalo News** (11 April 2006): B-3.
9. "Desilu Playhouse Enhances Offerings: Indianapolis Company Installs New Sound System in Radio Exhibit", **Jamestown Post-Journal** (30 March 2006): C-3.
10. "Luci [sic]-Desi Center Receives Donations", **Jamestown Post-Journal** (20 March 2006): B-4.
11. "2 'I Love Lucy' Costumes Donated to Ball-Arnaz Center", **Buffalo News** (14 March 2006): B-3.
12. "Lucille Ball's First Hollywood Contract Finds Way into Jamestown Museum", **Jamestown Post-Journal** (1 February 2006): C-1.
13. Keefer, Joel (2006, 1 February), "Patrons of Lucy Center Donate Her First Contract", **Buffalo News**: B-3.
14. "Lucy-Desi Acquisition Society Makes First Purchase", **Jamestown Post-Journal** (6 November 2005): B-1.
15. Plyler, Robert W. (2005, 5 November), "End of Season Review", **Jamestown Post-Journal**: C-7.
16. "Word Clues: Helping Kids Learn to Read", **Medstar Source** (20 October 2005):
  - (a) WSPA-TV NewsChannel 7 (Spartanburg, SC)
  - (b) WHOI-TV Channel 19 (Peoria, IL)
17. Plyler, Robert W. (2005, 15 October), "A New City Landmark: Rapaport Center Adds to Jamestown's Lucille Ball Legacy", **Jamestown Post-Journal**: C-7.
18. Kent, Loren (2005, 15 October), "Playhouse Premier: Lucie Arnaz on Hand as Center Opens", **Jamestown Post-Journal**: A1, A3.
19. Kent, Loren (2005, 5 August), "Journey Back in Time: Lucy's Kitchen, Artifacts Showcased at Rapaport Center", **Jamestown Post-Journal**: A1, A3.
20. Kent, Loren (2005, 15 June), "'I Love Lucy' Studio Sets Find New Home Downtown", **Jamestown Post-Journal**: A1, A3.
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