

MARTHA E. POLLACK

Vice Provost for Academic and Budgetary Affairs
Professor of Information
Professor of Computer Science & Engineering
University of Michigan
Ann Arbor, MI 48109
(734)763-1282
Email: pollackm@umich.edu

EDUCATION

- June 1986 **Ph.D.** Computer and Information Science
University of Pennsylvania, Philadelphia, PA
Dissertation title: *Inferring Domain Plans in Question Answering*
- June 1984 **M.S.E.** Computer and Information Science
University of Pennsylvania, Philadelphia, PA
- June 1979 **A.B.** Linguistics
Dartmouth College, Hanover, NH
Honors thesis title: *A Linguistic Theory of Metaphor*

PROFESSIONAL EXPERIENCE:

University of Michigan
Ann Arbor, MI

- July 2010— **Vice Provost for Academic and Budgetary Affairs**
Responsible for administrative and policy decisions for a range of academic and budgetary areas at the University of Michigan. Serves as the Provost's senior staff member in setting budgetary policy and allocating resources, including the University's general fund budget (~\$1.55B), space, and facilities, and support for capital projects. Works with deans and directors on budget, space, and facilities management and planning, and on the development and support of academic programs and initiatives. Assists the Provost in presenting the general funds budget to the executive officers and in seeking approval for the budget from the Board of Regents. Represents the Provost in interactions with the CFO organization on financial and facilities matters. Leads strategic assessments of schools, colleges, and other units reporting to the Provost, and oversees a variety of special projects. Chairs the Enrollment Working Group, which manages undergraduate enrollment levels. Has direct reporting authority for the Office of Budget and Planning, the Graham Environmental Sustainability Institute, and the Information Systems Shared Support Unit.
- Aug. 2007—June 2010 **Dean,**
School of Information
Responsible for budget, development, policy, and intellectual leadership of the School of Information, an interdisciplinary school that offers a professional masters and a doctoral degree, and jointly administers an undergraduate major launched in Fall 2008. Direct responsibility for an annual budget of \$23.3 million (\$17.5 million general funds). Oversight of approximately 35 full-time and about a dozen part-time faculty plus 40 staff, and of a research portfolio of \$4 million in annual expenditures.

June 2004—June 2007 **Associate Chair for Computer Science and Engineering,**
Department of Electrical Engineering and Computer Science
Responsible for hiring, promotion and tenure, curricular matters, and general oversight of the CSE division: approximately 38 faculty and 18 staff. The CSE division has a significant degree of autonomy within the department, including its own executive committee, and as Associate Chair, served as a full member of the Dean's Department Chairs' committee with the chairs of the other departments in the College of Engineering.

Aug. 2007— **Professor,**
School of Information

Sept. 2000— **Professor,**
Computer Science and Engineering,
Department of Electrical Engineering and Computer Science.

University of Pittsburgh
Pittsburgh, PA

Sept. 1999—Aug. 2000 **Professor,**
Department of Computer Science and Intelligent Systems Program.

July 1998—Aug. 2000 **Director,** Intelligent Systems Program.
Oversight of the Intelligent Systems Program, an interdisciplinary, free-standing, Ph.D.-granting program that serves as the center of advanced education and research on Artificial Intelligence and related areas at the University of Pittsburgh.

Sept. 1994—Aug. 1999 **Associate Professor with tenure,**
Department of Computer Science and Intelligent Systems Program.

Sept. 1991—Aug. 1994 **Associate Professor,**
Department of Computer Science and Intelligent Systems Program.

June 1993—Aug. 2000 **Fellow,** Center for the Philosophy of Science.

Feb. 2000—Aug. 2000 **Professor** (secondary appointment), Occupational Therapy, School of Health and Rehabilitation Sciences.

SRI International
Menlo Park, CA

Mar. 1991—Aug. 1992 **Senior Computer Scientist,** Artificial Intelligence Center.

Sept. 1985—Feb. 1991,
summer 1983 **Computer Scientist,** Artificial Intelligence Center.

Sept. 1985—Aug. 1991 **Senior Researcher,** Center for the Study of Language and Information.
SRI International and Stanford University.

University of Pennsylvania

Philadelphia, PA

Sept., 1981—June 1986 **Graduate Student / Research Assistant / Teaching Assistant**
Department of Computer and Information Science.

Blue Cross of Massachusetts

Boston, MA

Feb. 1980—June 1981 **Technical Instructor,**
Data Processing Training Services.

VISITING AND CONSULTING POSITIONS:

Anderson, Convese & Fennick, PC

May 2009

Expert Consultant in Litigation. Higher education academic integrity case.

University of Ulm

Ulm, Germany

May 1999

Guest Researcher, Department of Computer Science.

Carnegie Mellon University

Pittsburgh, PA

Sept. 1997—May 1998

Visiting Faculty, Department of Computer Science.

Carnegie Group, Inc.

Pittsburgh, PA

Sept. 1997—Nov. 1997

Mar. 1999—Apr. 1999

Consultant.

Stanford University

Stanford, CA

Sept. 1990—Aug. 1991

Consulting Assistant Professor, Department of Computer Science.

HONORS AND AWARDS

2012

Elected **Fellow**, Association for Computing Machinery (ACM)

2012

Elected **Fellow**, American Association for the Advancement of Science (AAAS)

2009

Gerald Salton Lecturer, Cornell University

2008

Influential Paper Award, International Foundation on Autonomous Agents and Multi-Agent Systems, for the 1988 paper: “Plans and Resource-Bounded Practical Reasoning,”
M. E. Bratman, D. J. Israel, and M. E. Pollack, *Computational Intelligence* 4(4):349-355.
Sometimes called a “test of time” award, this recognizes past papers that have had a significant impact on the field of agents and multi-agent systems.

2007

Grace Hopper Lecturer, University of Pennsylvania

2007

Sarah Goddard Power Award, University of Michigan

- 2006-2007 **Senior Fellow**, Michigan Society of Fellows
- 2006 **Best Student Paper Award**, M. D. Moffitt and M. E. Pollack, "Optimal Rectangle Packing: A Meta-CSP Approach," *Proceedings of the 16th International Conference on AI Planning and Scheduling*, Ambleside, UK, June, 2006. (*Michael Moffitt completed his Ph.D under my supervision.*)
- 2003-2004 **Academic Leadership Program Fellow**, Committee on Institutional Cooperation of the Big Ten Universities
- 2003 **Outstanding Achievement Award**, Dept. of EECS, University of Michigan
- 2000 **Chancellor's Distinguished Research Award**, University of Pittsburgh
- 2000 **Outstanding Student Paper Award**, I. Tsamardinos, M. E. Pollack, and J. F. Horty, "Merging Plans with Quantitative Temporal Constraints, Temporally Extended Actions, and Conditional Branches," *Proceedings of the 5th International Conference on AI Planning Systems*, Breckenridge, CO, April, 2000. (*Ioannis Tsamardinos completed his Ph.D. under my supervision.*)
- 1999 **Best Paper Award**, A. Memon, M. E. Pollack, and M. L. Soffa, "Using a Goal-driven Approach to Generate Test Cases for GUIs," *Proceedings of the 21st International Conference on Software Engineering*, May 1999.
- 1996 Elected **Fellow**, American Association for Artificial Intelligence
- 1995-1999 **Teaching Awards**, Department of Computer Science, Univ. of Pittsburgh
 Instituted in the CSD during the 1995-1996 academic year.
Best performance in an Undergraduate core course (1995-1996)
Best performance in a Graduate elective (1995-1996)
Best performance in an Undergraduate elective (1996-1997)
 (*on sabbatical, 1997-1998*)
Best performance in a Graduate elective (1998-1999)
- 1992 **National Science Foundation Young Investigator Award**
Investigations of Resource-Limited Reasoning
- 1991 **Computers and Thought Award**, Trustees of the International Joint Conferences on Artificial Intelligence
The Computers and Thought Award is given every other year to an outstanding young scientist in the field of AI. I received the award in recognition of my work in planning, plan recognition, and natural-language processing.
- 1986 **Rubinoff Dissertation Prize**, University of Pennsylvania
The Rubinoff Prize is given annually to a graduating doctoral student at the University of Pennsylvania for an outstanding dissertation that concerns computer science or technology.
- 1983—1986 **IBM Graduate Fellowship**
- 1982—1983 **University of Pennsylvania Teaching Fellowship**
- 1981—1982 **University of Pennsylvania University Fellowship**
- 1979 **Phi Beta Kappa**
- 1979 Bachelor's Degree awarded *summa cum laude*, and with **Highest Distinction in the major**

1975—1979 **Rufus Choate Scholar**, Dartmouth College
First academic honors

PUBLICATIONS:

Journal Articles and Conference Papers

In Computer Science, unlike many other fields, conference papers are rigorously reviewed, with top conferences having low acceptance rates; publications in conferences are considered archival and comparable to journal papers.

1. J. Hu, M. E. Pollack, H. Katebi, K. Sakallah, and N. L. Kirsch, "Incorporating User Control in Automated Interactive Scheduling Systems," *ACM DIS 2010 (ACM Conference on Designing Interactive Systems)*, Aug. 2010. <http://doi.acm.org/10.1145/1858171.1858226>
2. M. R. Hodges, N. L. Kirsh, M. W. Newman, and M. E. Pollack, "Automatic Assessment of Cognitive Impairment through Electronic Observation of Object Use," *8th International Conference on Pervasive Computing*, May 2010.
3. J. M. Weber, M. Newman, and M. E. Pollack, "Multi-Format Notifications for Multi-Tasking," *12th Conference on Human-Computer Interaction: INTERACT-2009*, Aug. 2009.
4. R. E. Korf, M. D. Moffitt, and M. E. Pollack, "Optimal Rectangle Packing," *Annals of Operations Research*, Online First Version Nov., 2008 (DOI: 10.1007/s10479-008-0463-6); Print version, 179(1):261-295, 2010.
5. M. D. Moffitt, J. A. Roy, I. L. Markov, and M. E. Pollack, "Constraint-Driven Floorplan Repair," *ACM Transactions on Design Automation of Electronic Systems*, 13(4), 2008.
6. J. S. Weber and M. E. Pollack, "Evaluating User Preferences for Adaptive Reminding," *26th Computer-Human Interaction Conference (Work-in-Progress paper)*, Apr. 2008.
7. M. R. Hodges and M. E. Pollack, "An 'Object-Use Fingerprint': The Use of Electronic Sensors for Human Identification," *9th International Conference on Ubiquitous Computing*, Sept. 2007.
8. J. S. Weber and M. E. Pollack, "Entropy-Driven Active Learning for Interactive Calendar Management," *10th International Conference on Intelligent User Interfaces*, Jan. 2007.
9. M. D. Moffitt and M. E. Pollack, "Generalizing Temporal Controllability," *20th International Joint Conference on Artificial Intelligence*, Jan. 2007.
10. K. Myers, P. Berry, J. Blythe, K. Conley, M. Gervasio, D. McGuinness, D. Morely, A. Pfeffer, M. Pollack, and M. Tambe, "An Intelligent Personal Assistant for Task and Time Management," *AI Magazine* 28(2):47-61, 2007.
11. M. E. Pollack, "Autominder: A Case Study of Assistive Technology for Elders with Cognitive Impairment," *Generations: The Journal of the American Society on Aging*, 30(2), 2006.
12. M. D. Moffitt and M. E. Pollack, "Temporal Preference Optimization as Weighted Constraint Satisfaction," *Proceedings of the 21st National Conference on Artificial Intelligence*, July 2006.

13. M. D. Moffitt, A. N. Ng, I. L. Markov, and M. E. Pollack, "Constraint-Driven Floorplan Repair," *Proceedings of the 43rd Design Automation Conference*, July 2006.
14. M. D. Moffitt and M. E. Pollack, "Optimal Rectangle Packing: A Meta-CSP Approach," *Proceedings of the 16th International Conference of Automated Planning and Scheduling*, June 2006. **Winner of the Best Student Paper Award.**
15. J. S. Weber and M. E. Pollack, "Simulating Users to Support the Design of Activity Management Systems," *Proceedings of the 2005 Winter Simulation Conference*, Dec. 2005.
16. H. Sheini, B. Peintner, K. Sakallah, and M. E. Pollack, "On Solving Soft Temporal Constraints using SAT Techniques," *11th International Conference on Principles and Practice of Constraint Programming*, Oct. 2005.
17. M. D. Moffitt and M. E. Pollack, "Applying Local Search to Disjunctive Temporal Problems," *19th International Joint Conference on Artificial Intelligence*, Aug. 2005.
18. M. Liffiton, M. D. Moffitt, M. E. Pollack, and K. Sakallah, "Identifying Conflicts in Overconstrained Temporal Problems," *19th International Joint Conference on Artificial Intelligence*, Aug. 2005.
19. M. D. Moffitt, B. Peintner, and M. E. Pollack, "Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints," *20th National Conference on Artificial Intelligence (AAAI)*, July 2005.
20. B. Peintner and M. E. Pollack, "Anytime, Complete Algorithm for Finding Utilitarian Optimal Solutions to STPPs," *20th National Conference on Artificial Intelligence (AAAI)*, July 2005.
21. B. Peintner, M. D. Moffitt, and M. E. Pollack, "Solving Over-constrained DTPs with Preferences," *15th International Conference on Automated Planning and Scheduling*, June 2005.
22. M. D. Moffitt and M. E. Pollack, "Partial Constraint Satisfaction of Disjunctive Temporal Problems," *18th International FLAIRS Conference*, May 2005. **2nd Place Best Paper Award.**
23. M. E. Pollack, "Intelligent Technology for an Aging Population: The Use of AI to Assist Elders with Cognitive Impairment," *AI Magazine*, 26(2):9-24, 2005.
24. M. T. Gervasio, M. D. Moffitt, M. E. Pollack, J. M. Taylor, and T. E. Uribe, "Active Preference Learning for Personalized Calendar Scheduling Assistance," *International Conference on Intelligent User Interfaces*, Jan., 2005.
25. M. Rudary, S. Singh, and M. E. Pollack, "Adaptive Cognitive Orthotics: Combining Reinforcement Learning and Constraint-Based Temporal Reasoning," *21st International Conference on Machine Learning*, July 2004.
26. B. Peintner and M. E. Pollack, "Low-cost Addition of Preferences to DTPs and TCSPs," *19th National Conference on Artificial Intelligence (AAAI)*, July 2004.
27. M. E. Pollack, L. Brown, D. Colbry, C. E. McCarthy, C. Orosz, B. Peintner, S. Ramakrishnan, and I. Tsamardinos, "Autominder: An Intelligent Cognitive Orthotic System for People with Memory Impairment," *Robotics and Autonomous Systems*, 44(3-4):273-282, 2003.
28. J. Pineau, M. Montemerlo, M. Pollack, N. Roy, and S. Thrun, "Towards Robotic Assistants in Nursing Homes: Challenges and Results," *Robotics and Autonomous Systems* 42(3-4):271-281, 2003.
29. I. Tsamardinos and M. E. Pollack, "Efficient Solution Techniques for Disjunctive Temporal Reasoning Problems," *Artificial Intelligence*, 151(1-2):43-89, 2003.

30. I. Tsamardinos, T. Vidal, and M. E. Pollack, "CTP: A New Constraint-Based Formalism for Conditional, Temporal Planning," *Constraints: An International Journal*, 8(4): 365-383, 2003.
31. C. E. McCarthy and M. E. Pollack, "A Plan-Based Personalized Cognitive Orthotic," *6th International Conference on AI Planning and Scheduling*, Apr., 2002.
32. D. Colbry, B. Peintner, and M. E. Pollack, "Execution Monitoring with Quantitative Temporal Bayesian Networks," *6th International Conference on AI Planning and Scheduling*, Apr., 2002.
33. M. E. Pollack, "Planning Technology for Intelligent Cognitive Orthotics," *6th International Conference on AI Planning and Scheduling*, Apr., 2002.
34. M. E. Pollack, C. E. McCarthy, S. Ramakrishnan, I. Tsamardinos, L. Brown, S. Carrion, D. Colbry, C. Orosz, and B. Peintner, "Autominder: A Planning, Monitoring, and Reminding Assistive Agent," *7th International Conference on Intelligent Autonomous Systems (IAS)*, March, 2002.
35. A. Berfield, P. Chrysanthis, I. Tsamardinos, M. E. Pollack, and S. Banerjee, "A Scheme for Integrating e-Services in Establishing Virtual Enterprises," *12th IEEE International Workshop on Research Issues in Data Engineering*, Feb. 2002.
36. J. F. Horty and M. E. Pollack, "Evaluating New Options in the Context of Existing Plans," *Artificial Intelligence*, 127(2):199-220, 2001.
37. A. Memon, M. E. Pollack, and M. L. Soffa, "Hierarchical GUI Test Case Generation using Automated Planning," *IEEE Transactions on Software Engineering*, 27(2): 144-155, 2001.
38. I. Tsamardinos, M. E. Pollack, and P. Ganchev, "Flexible Dispatch of Disjunctive Plans," *6th European Conference on Planning*, Oct. 2001.
39. A. Memon, M. L. Soffa, and M. E. Pollack, "Coverage Criteria for GUI Testing," *9th ACM International Symposium on the Foundations of Software Engineering*, Sept. 2001.
40. C. E. McCarthy and M. E. Pollack, "Towards Focused Plan Monitoring: A Technique and an Application to Mobile Robots," *Autonomous Robots*, 9:71-81, 2000.
41. A. Memon, M. E. Pollack, and M. L. Soffa, "Automated Test Oracles for GUIs," *8th International Symposium on the Foundations of Software Engineering*, Nov. 2000.
42. S. Ramakrishnan and M. E. Pollack, "Intelligent Monitoring in a Robotic Assistant for the Elderly," (Student Abstract), *Proceedings of the 16th National Conference on Artificial Intelligence (AAAI)*, Aug. 2000.
43. I. Tsamardinos, M. E. Pollack, and J. F. Horty, "Merging Plans with Quantitative Temporal Constraints, Temporally Extended Actions, and Conditional Branches," *Proceedings of the 5th International Conference on AI Planning Systems*, Breckenridge, CO, April, 2000. **Winner of the Outstanding Student Paper Award.**
44. A. Memon, M. E. Pollack, and M. L. Soffa, "Plan Generation for GUI Testing," *Proceedings of the 5th International Conference on AI Planning Systems*, Breckenridge, CO, April, 2000.
45. M. E. Pollack and J. F. Horty, "There's More to Life than Making Plans: Plan Management in Dynamic, Multi-Agent Environments," *AI Magazine* 20(4):71-84, 1999.
46. M. E. Pollack and C. McCarthy, "Towards Focused Plan Monitoring: A Technique and an Application to Mobile Robots," *IEEE International Symposium on Computational Intelligence in Robotics and Automation (CIRA)*, November 1999. (A revised and extended version of this paper appears in *Autonomous Robots*, as listed above.)

47. N. Onder and M. E. Pollack, "Conditional, Probabilistic Planning: A Unifying Algorithm and Effective Search Control Mechanisms," *15th National Conference on Artificial Intelligence (AAAI)*, July 1999.
48. D. Mosse', M. E. Pollack, and Y. Ronen "Value-Density Algorithms to Handle Transient Overloads in Scheduling," *Proceedings of the 11th Euromicro Conference on Real-Time Systems*, June 1999.
49. A. Memon, M. E. Pollack, and M. L. Soffa, "Using a Goal-driven Approach to Generate Test Cases for GUIs," *Proceedings of the 21st International Conference on Software Engineering*, May 1999. **Winner of Best Paper Award.** (A revised and extended version of this paper appears in *Transactions on Software Engineering*, as listed above.)
50. J. F. Horty and M. E. Pollack, "Evaluating Options in a Context," *Proceedings of the 7th Conference on Theoretical Aspects of Rationality and Knowledge (TARK)*, Chicago, IL, July 1998.
51. M. E. Pollack, "Plan Generation, Plan Management, and the Design of Computational Agents (Abstract)" *Proceedings of the 3rd International Conference on Multi-Agent Systems*, Paris, France, July, 1998.
52. M. M. Veloso, M. E. Pollack, and M. T. Cox, "Rationale-Based Monitoring for Planning in Dynamic Environments," *Proceedings of the 4th International Conference on AI Planning Systems*, Pittsburgh, PA, June, 1998.
53. C. Bicchieri, M. E. Pollack, C. Rovelli, and I. Tsamardinou, "The Potential for the Evolution of Cooperation among Web Agents," *International Journal of Computer-Human Systems* 48(1):9-29, 1998.
54. N. Onder and M. E. Pollack, "Contingency Selection in Plan Generation," *Proceedings of the 4th European Conference on Planning*, Toulouse, France, September 1997.
55. C. F. Aliferis, G. F. Cooper, M. E. Pollack, B. G. Buchanan and M. M. Wagner "Representing and Developing Temporally Abstracted Knowledge as a Means Towards Facilitating Time Modeling in Medical Decision-Support Systems," *Computers in Biology and Medicine*, 27(5):411-434, 1997.
56. M. E. Pollack, D. Joslin, and M. Paolucci, "Flaw Selection Strategies for Partial-Order Planning," *Journal of Artificial Intelligence Research*, 6:223-262, 1997.
57. Y. Ronen, D. Mosse', and M. E. Pollack, "Value-Density Algorithms for the Deliberation Scheduling Algorithm," *SIGART Bulletin*, 7(2), 1996.
58. D. Joslin and M. E. Pollack, "Is 'Early Commitment' in Plan Generation Ever a Good Idea?," *Proceedings of the 14th National Conference on Artificial Intelligence (AAAI)*, Portland, OR, August 1996.
59. E. Ephrati, M. E. Pollack, and M. Milshtein, "A Cost-Directed Planner: Preliminary Report" *Proceedings of the 14th National Conference on Artificial Intelligence (AAAI)*, Portland, OR, August, 1996.
60. D. Joslin and M. E. Pollack, "Active and Passive Postponement of Decisions in Plan Generation," *Proceedings of the 3rd European Conference on Planning*, September 1995.
61. E. Ephrati, M. E. Pollack, and S. Ur, "Deriving Multi-Agent Coordination through Filtering Strategies," *Proceedings of the 14th International Joint Conference on Artificial Intelligence*, August 1995.
62. E. Ephrati, M. E. Pollack, and J. S. Rosenschein, "A Tractable Heuristic that Maximizes Global Utility through Plan Combination," *Proceedings of the 1st International Conference on Multi-Agent Systems*, June, 1995.
63. M. E. Pollack, "How Commitment Leads to Coordination: The Effect of Individual Reasoning Strategies on Multi-Agent Behavior," *Proceedings of the 4th International Colloquium on Cognitive Science*, May 1995.

64. D. Joslin and M. E. Pollack, "Least-Cost Flaw Repair: A Plan Refinement Strategy for Partial-Order Planning," *Proceedings of the 12th National Conference on Artificial Intelligence (AAAI)*, Boston, MA, August 1994.
65. M. Young, J. D. Moore, and M. E. Pollack, "Towards a Principled Representation of Discourse Plans," *Proceedings of the Cognitive Science Society*, August 1994.
66. M. Young, M. E. Pollack, and J. D. Moore, "Decomposition and Causality in Partial-Order Planning," *Proceedings of the 2nd International Conference on AI Planning Systems*, Chicago, IL, June 1994.
67. T. Znati and M. E. Pollack, "DIPART, An Interactive Simulation Platform for Plan Development and Monitoring in Dynamic Environments," *Proceedings of the 27th International Simulation Conference*, April 1994.
68. K. Konolige and M. E. Pollack, "A Representationalist Theory of Intention," *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, Chambery, France, August, 1993.
69. S. Hanks, M. E. Pollack, and P. Cohen, "Benchmarks, Testbeds, Controlled Experimentation, and the Design of Agent Architectures," *AI Magazine*, 14(4):17-42, 1993.
70. J. D. Moore and M. E. Pollack, "A Problem for RST: The Need for Multi-Level Discourse Analysis," *Computational Linguistics*, 18(4):537-544, 1992.
71. M. E. Pollack, "The Uses of Plans," *Artificial Intelligence*, 57(1):43-69, 1992.
72. D. E. Appelt and M. E. Pollack, "Weighted Abduction for Plan Ascription," *User Modeling and User-Adapted Interaction*, 2(1-2):1-25, 1992.
73. M. E. Pollack, "Overloading Intentions for Efficient Practical Reasoning," *Noûs*, 25(4):513-536, 1991.
74. C. N. Pereira and M. E. Pollack, "Incremental Interpretation," *Artificial Intelligence*, 50(1):37-82, 1991.
75. M. E. Pollack and M. Ringuette, "Introducing the Tileworld: Experimentally Evaluating Agent Architectures," *Proceedings of the 8th National Conference on Artificial Intelligence (AAAI)*, Boston, MA, August, 1990.
76. D. E. Appelt and M. E. Pollack, "Weighted Abduction as an Inference Method for Plan Recognition and Evaluation," *2nd International Workshop on User Modeling*, Honolulu, HI, March, 1990.
77. A. Pearl, M. E. Pollack, E. Riskin, B. Thomas, E. Wolf and A. Wu, "Becoming a Computer Scientist: Report of the Committee on the Status of Women in Computer Science," *Communications of the Association for Computing Machinery*, 33(11):48-57, 1990.
78. K. Konolige and M. E. Pollack, "Ascribing Plans to Agents," *Proceedings of the 11th International Joint Conference on Artificial Intelligence*, Detroit, MI, August, 1989.
79. M. E. Bratman, D. J. Israel and M. E. Pollack, "Plans and Resource-Bounded Practical Reasoning," *Computational Intelligence*, 4(4):349-355, 1988. (A slightly revised version appears in J. Pollock and R. Cummins, eds., *Philosophy and AI: Essays at the Interface*, MIT Press, Cambridge, MA, 1991, pp. 7-22.)
80. M. E. Pollack and F. C. N. Pereira, "An Integrated Framework for Semantic and Pragmatic Interpretation," *Proceedings of the 26th Meeting of the Association for Computational Linguistics*, Buffalo, NY, June 1988.
81. M. E. Pollack, "A Model of Plan Inference that Distinguishes between the Beliefs of Actors and Observers," *Proceedings of the 24th Meeting of the Association for Computational Linguistics*, New York, NY, June 1986. (Also appears in M. Georgeff and A. Lansky, eds., *The 1986 Workshop on Reasoning about Actions and Plans*, Morgan Kaufmann Publishers, Los Altos, CA, 1987).

82. M. E. Pollack, "Information Sought and Information Provided: An Empirical Study of User/Expert Dialogues," *Proceedings of the Conference on Human Factors in Computing Systems*, San Francisco, CA, April 1985.
83. M. E. Pollack, "Good Answers to Bad Questions: Goal Inference in Expert Advice-Giving," *Proceedings of the Conference of the Canadian Society for Computational Studies of Intelligence*, London, Ontario, May 1984.
84. M. E. Pollack, J. Hirschberg, and B. Webber, "User Participation in the Reasoning Process of Expert Systems," *Proceedings of the 2nd National Conference on Artificial Intelligence (AAAI)*, Pittsburgh, PA, August 1982.

Books and Book Chapters

1. J. S. Weber, M. E. Pollack, B. Clippingdale, and M. Hodges, "Intelligent Assistive Technology," in M. Kutz, ed., *Biomedical Engineering and Design Handbook, Vol. 2: Applications*, McGraw-Hill, New York, 2009.
2. M. E. Pollack and B. Peintner, "Computer Science Tools and Techniques," in J. Bardram, A. Mihailidis, and D. Wan, eds, *Pervasive Computing in Healthcare*, CRC Press, 2006.
3. M. E. Pollack and I. Tsamardinos, "Efficiently Dispatching Plans Encoded as Simple Temporal Problems," in I. Vlahavas and D. Vrakas, editors, *Intelligent Techniques for Planning*, Idea Group, Inc. Hershey, PA, 2005.
4. R. Pew, S. VanHemel, *et al.*, Report of the NRC Committee, in R. Pew and S. vanHemel, eds., *Technology for Adaptive Aging*, National Academies Press, Washington, D.C., 2003.
5. M. Beetz, M. Ghallab, J. Hertzberg, and M. E. Pollack, editors, *Plan-Based Control of Robotic Agents*, LNCS/LNAI #2466, Springer-Verlag, 2002.
6. M. E. Pollack, C. E. McCarthy, S. Ramakrishnan, and I. Tsamardinos, "Execution-Time Plan Management for a Cognitive Orthotic System," in M. Beetz *et al.*, editors, *Plan-Based Control of Robotic Agents*, 2002.
7. M. Georgeff, B. Pell, M. E. Pollack, M. Tambe, and M. Wooldridge, "The Belief-Desire-Intention Model of Agency," J. P. Muller, M. P. Singh, and A. S. Rao, eds. *Intelligent Agents V*, Springer Publishers, New York, 1999.
8. M. E. Pollack, "How Commitment Leads to Coordination: The Effect of Individual Reasoning Strategies on Multi-Agent Interaction," in X. Arrazola, K. Korta and F. Jeffrey Pelletier, eds. *Discourse, Interaction, and Communication*, Kluwer Academic Publishers, 1998, pp. 157-163. (Also listed as a conference paper under Journal Articles and Conference Papers above.)
9. M. E. Pollack, editor, *Proceedings of the 15th International Conference on Artificial Intelligence, (2 Volumes)*, Morgan Kaufmann Publishers, San Mateo, CA 1997.
10. M. E. Pollack, "Planning in Dynamic Environments: The DIPART System," in Austin Tate, ed., *Advanced Planning Technology*, AAAI Press, Cambridge, MA, 1996.
11. M. E. Bratman, D. J. Israel, and M. E. Pollack, "Plans and Resource-Bounded Practical Reasoning," in J. Pollock and R. Cummins, eds., *Philosophy and AI: Essays at the Interface*, MIT Press, Cambridge, MA, 1991, pp. 7-22. (Also listed as a journal article under Journal Articles and Conference Papers above.)
12. M. E. Pollack, "Plans as Complex Mental Attitudes," in P. R. Cohen, J. Morgan, and M. E. Pollack, eds., *Intentions in Communication*, MIT Press, Cambridge, MA, 1990.

13. P. R. Cohen, J. Morgan and M. E. Pollack, editors, *Intentions in Communication*, MIT Press, Cambridge, MA, 1990.
14. P. R. Cohen, J. Morgan and M. E. Pollack, "Introduction," in P. R. Cohen, J. Morgan, and M. E. Pollack, eds., *Intentions in Communication*, MIT Press, Cambridge, MA, 1990.
15. B. J. Grosz, M. E. Pollack and C. L. Sidner, "Discourse," in M. Posner, ed., *Foundations of Cognitive Science*, Bradford Books, MIT Press, Cambridge, MA, 1989.
16. M. E. Pollack, "Some Requirements for a Model of the Plan-Inference Process in Conversation," in R. Reilly, ed., *Communication Failure in Dialogue and Discourse*, North-Holland, Amsterdam, 1987.
17. M. E. Pollack, "A Model of Plan Inference that Distinguishes between the Beliefs of Actors and Observers," in M. Georgeff and A. Lansky, eds., *The 1986 Workshop on Reasoning about Actions and Plans*, Morgan Kaufmann Publishers, Los Altos, CA, 1987. (Cross-listed as a conference paper under Journal Articles and Conference Papers above.)

Reviews and Short Pieces

1. M. E. Pollack, "Reflections on the Future of iSchools from a Dean Inspired by Some Junior Faculty," *ACM Interactions*, Jan. 2010.
2. M. E. Pollack, Intelligent Assistive Technology (Extended Abstract), *11th International Conference on User Modeling*, 2007.
3. M.E. Pollack, Foreword to *Automated Planning: Theory and Practice*, M. Ghallab, D. Nau, and P. Traverso, Morgan Kaufmann Press, 2004.
4. M. E. Pollack, Foreword to *Intelligent Planning*, Q. Yang, Springer, 1997.
5. M. E. Pollack, "Review of 'Artificial Intelligence: A Modern Approach' *AI Magazine*, 16(3): 73-74 1995.
6. M. E. Pollack, "Evaluating Plans, Planners, and Planning Agents," *SIGART Bulletin*, 6(1), 1995.
7. M. E. Pollack, "Review of 'Agency in Action,'" *Computational Linguistics*, 19(3), 1993.
8. M. E. Pollack, "Review of 'Readings in Planning'", *Minds and Machines* 2(1):102-104, 1992.

Refereed Workshop Papers and Conference Posters

1. M. R. Hodges, N. L. Kirsch, M. W. Newman, and M. E. Pollack, "Automatic Assessment of Cognitive Impairments," *11th International Conference on Ubiquitous Computing: UBICOMP-2009* (Poster), Sept. 2009.
2. B. Clippingdale, M. W. Newman, M. E. Pollack, and M. A. Fauman, "Reflecting on Mood and Movement," *CHI 2009 Workshop on Designing for Reflection on Experience*, April 2009.
3. M. R. Hodges, M. W. Newman and M. E. Pollack, "Object-Use Activity Monitoring: Feasibility for People with Cognitive Impairments," *AAAI 2009 Spring Symposium on Human Behavior Modeling*, March 2009.
4. J. S. Weber, B. Clippingdale, and M. E. Pollack, "The Michigan Autonomous Guidance System," *Proceedings of the 2nd International Conference on Technology and Aging*, June 2007.
5. J. S. Weber and M. E. Pollack, "Effective Interaction Strategies for Adaptive Reminding," *AAAI 2007 Spring Symposium on Interaction Strategies for Intelligent Assistants*, March 2007.

6. M. D. Moffitt and M. E. Pollack, "Temporal Preference Optimization as Weighted Constraint Satisfaction," ICAPS 2006 Workshop on Preferences and Soft Constraints in Planning, June 2006. (Also appears in Proceedings of the 21st National Conference on Artificial Intelligence; cross-listed as a conference paper under Journal Articles and Conference Papers above.)
7. J. J. Estelle, N. L. Kirsch, and M. E. Pollack, "Enhancing Social Interaction in Elderly Communities," Workshop on Designing Technology for People with Cognitive Impairment, *Conference on Human Factors in Computing Systems (CHI)*, April 2006.
8. P. Schwartz and M. E. Pollack, "Two Approaches to Semi-Dynamic Disjunctive Temporal Problems," *ICAPS Workshop on Constraint Programming for Planning and Scheduling*, June 2005.
9. P. M. Berry, M. Gervasio, T. E. Uribe, M. E. Pollack, and M. E. Pollack, "A Personalized Time Management Assistant," in AAI Spring Symposium on Persistent Assistants: Living and Working with AI, March 2005.
10. J. T. Matthews, S. J. Engberg, J. Glover, M. E. Pollack, and S. Thrun, "Robotic Assistants for the Elderly: Designing and Conducting Field Studies," *10th IASTED International Conference on Robotics and Applications*, Aug. 2004
11. M. Rudary, S. Singh, and M. E. Pollack, "Reinforcement Learning for Adaptive Cognitive Orthotics (Extended Abstract)," in AAI Workshop on Supervisory Control of Learning and Adaptive Systems, July 2004.
12. P. Schwartz and M. E. Pollack, "Planning with Disjunctive Temporal Constraints," in ICAPS Workshop on Integrating Planning into Scheduling, June 2004.
13. I. Tsamardinos, M. E. Pollack, and S. Ramakrishnan, "Assessing the Probability of Legal Execution of Plans with Temporal Uncertainty," ICAPS Workshop on Planning under Uncertainty and Incomplete Information, June 2003.
14. M. E. Pollack, "An Intelligent, Adaptive Cognitive Orthotic (Abstract)," *Gerontechnology*, 2(1):110, 2002.
15. M. E. Pollack, S. Engberg, J. T. Matthews, S. Thrun, L. Brown, D. Colbry, C. Orosz, B. Peintner, S. Ramakrishnan, J. Dunbar-Jacob, C. E. McCarthy, M. Montemerlo, J. Pineau, and N. Roy, "Pearl: A Mobile Robotic Assistant for the Elderly," AAI Workshop on Automation as Caregiver, Aug. 2002.
16. D. Colbry, B. Peintner, and M. E. Pollack, "Quantitative Temporal Relationships in Dynamic Bayesian Models," AAI Spring Symposium on Information Refinement and Revision for Decision Making, March 2002.
17. N. Onder and M. E. Pollack, "Generating Alternative Conditional Plans," AIPS Workshop on Decision-Theoretic Planning, April 2000.
18. A. Kott, M. E. Pollack, and B. Krogh, "The Situation Assessment Problem: Towards a Research Agenda," DARPA Symposium on Advanced on Enterprise Control, November 1999.
19. M. E. Pollack, I. Tsamardinos, and J. F. Herty, "Adjustable Autonomy for a Plan Management Agent," AAI Spring Symposium on Adjustable Autonomy, March, 1999.
20. J. F. Herty and M. E. Pollack, "Plan Management Issues for Cognitive Robotics: Project Overview," AAI Fall Symposium on Cognitive Robotics, Orlando, FL, October, 1998.
21. N. Onder, M. E. Pollack, and J. F. Herty, "A Unified Algorithm for Conditional and Probabilistic Planning," AIPS Workshop on Integrating Planning, Scheduling, and Execution in Dynamic and Uncertain Environments, June, 1998.

22. N. Onder and M. E. Pollack, "Handling Contingency Selection Using Goal Values," 1997 AAAI Workshop on Abstractions, Decisions, and Uncertainty, Providence, RI, July, 1997.
23. N. Onder and M. E. Pollack, "Contingency Selection in Plan Generation," 1996 AAAI Fall Symposium on Plan Execution. Boston, MA, Nov. 1996.
24. C. Bicchieri, M. E. Pollack, and C. Rovelli, "The Potential for Cooperation among Web Agents," 1996 AAAI Spring Symposium on Adaptation, Co-evolution, and Learning in Multiagent Systems. Stanford, CA, Mar. 1996.
25. Y. Ronen and M. E. Pollack, "Value-Density Algorithms for Deliberation Scheduling," IJCAI Workshop on Deliberation Scheduling and Anytime Algorithms, Aug., 1995.
26. M. E. Pollack, T. Znati, E. Ephrati, D. Joslin, S. Lauzac, A. Nunes, N. Onder, Y. Ronen, and S. Ur, "The DIPART Project: A Status Report," Proceedings of the Annual ARPA Planning Initiative Meeting, Tucson, AZ, Feb. 1994.
27. E. Ephrati, M. E. Pollack, and J. S. Rosenschein, "Exploiting Decision Theory Techniques in Multi-Agent Plan Merging," AAAI Spring Symposium on Decision-Theoretic Planning, March 1994.
28. M. E. Pollack, "Filtering as a Reasoning-Control Strategy," Proceedings of SOAR '93 (Space Operations and Applications Research Symposium), August 1993.
29. M. E. Pollack and M. Ringuette, "Introducing the Tileworld: Experimentally Evaluating Agent Architectures" (Extended Abstract), AAAI Symposium on Planning in Uncertain, Unpredictable, or Changing Environments, Stanford, CA, March, 1990.
30. M. E. Pollack, "Plan Recognition Beyond STRIPS" (Extended Abstract), Workshop on Plan Recognition, 11th International Joint Conference on Artificial Intelligence, Detroit, MI, August, 1989.
31. M. E. Pollack, "On Deciding What to Say (When You're Asked How to Perform Some Action)," Third Annual Workshop on Language Generation, Stanford, CA, July 1984.
32. M. E. Pollack, "A Way to Talk About Propositions," Penn Review of Linguistics, Vol. 7, Philadelphia, PA, January 1983.

Other Abstracts, Papers and Reports

1. E. Lazowska, M. E. Pollack, D. Reed, and J.M. Wing, "Boldly Exploring the Endless Frontier," Computing Research Association News, 21(1), Jan. 2009.
2. M. E. Pollack, "Opportunities and Challenges in Assistive Technology for Elders," Written version of testimony presented to the U.S. Senate Committee on Aging, Apr. 27, 2004.
3. M. E. Pollack and J. F. Horty, "An Information Dynamics Research Exploration Framework: Briefing Agents," DARPA/TASK Workshop, Santa Fe, NM, April, 2001.
4. A. Memon, M. E. Pollack, and M. L. Soffa, "A Planning-Based Approach to GUI Testing," 13th International Software/Internet Quality Week, San Francisco, CA, June 2000.
5. M. E. Pollack, D. Joslin, A. Nunes, S. Ur, and E. Ephrati, "Experimental Investigation of an Agent Commitment Strategy," University of Pittsburgh Tech. Report TR 94-31, 1994.
6. D. Joslin, A. Nunes and M. E. Pollack, "TileWorld Users' Manual," University of Pittsburgh Tech. Report TR 93-12, August, 1993.

7. M. E. Pollack and J. D. Moore, "Towards a Process-Based Analysis of Referring Expressions," University of Pittsburgh Tech. Report TR 92-14, May, 1992.
8. M. E. Pollack, "Plan Recognition." Videotape Lecture given at Stanford University, June, 1991. Morgan Kaufmann Publishers, San Mateo, CA.
9. M. E. Pollack, "Natural-Language Processing." Videotape lectures given at Stanford University, June, 1989. Morgan Kaufmann Publishers, San Mateo, CA.
10. F. C. N. Pereira and M. E. Pollack, "A Brief Overview of the Candide Project," SRI International Tech. Report No. 450, Menlo Park, CA, September 1988.
11. M. E. Bratman, D. J. Israel and M. E. Pollack, "Toward an Architecture for Resource-Bounded Agents," Tech. Report No. CSLI-87-104, Center for the Study of Language and Information, Stanford, CA, August 1987.
12. M. E. Pollack, "Inferring Domain Plans in Question-Answering," University of Pennsylvania Doctoral Thesis, Philadelphia, PA, May 1986.

INVITED TALKS , PRESENTATIONS, and DEMONSTRATIONS

(not including conference paper presentations):

"Assistive Technology for People with Cognitive Impairment: A Retrospective," University of Pittsburgh Dept. of Computer Science, Apr. 2011.

"Computing Outside the Box,"

- University of Illinois at Chicago Dept. of Computer Science, **Distinguished Lecture Series**, Feb. 2010.
- Cornell University, **Gerald Salton Lecture**, Dec. 2009. (Also listed under "Honors and Awards" above).
- Grace Hopper Conference, **Invited Speaker**, Oct. 2009
- Indiana University School of Informatics , **Distinguished Colloquium Speaker**, Mar. 2009

Panelist, "Interdisciplinarity in Computing and Information Science Research," Grace Hopper Conference (Celebration of Women in Computing), Oct. 2009.

"Intelligent Assistive Technology: The Present and the Future,"

- Dartmouth College Dept. of Computer Science, Nov. 2008.
- Osher Lifelong Learning Institute, Ann Arbor, MI, Apr. 2008.
- Bioinformatics Grand Rounds, University of Michigan Medical School, Jan. 2008.
- **Grace Hopper Lecture**, University of Pennsylvania Department of Computer and Information Science Distinguished Lecture, October, 2007. (Also listed under "Honors and Awards" above).
- **Invited Plenary Talk**, 11th International Conference on User Modeling, June, 2007.
- University of Southern California Dept. of Computer Science **Distinguished Lecture Series**, March 2007.
- Monterey Bay Aquarium Research Institute (MBARI) Research Seminar, March 2007.
- **Invited Plenary Talk**, 20th International Joint Conference on Artificial Intelligence (IJCAI-07), January 2007.
- University of Massachusetts **Distinguished Lecture Series**, November 2006.

"Intelligent Technology for an Aging Population: Using AI to Assist People with Cognitive Impairment,"

- University of Michigan Dept. of Psychology Cognition and Perception Forum, Sept. 2005;
- **Invited Plenary Talk**, 18th International Florida AI Research Symposium (FLAIRS), May 2005;
- Computer Science Colloquium, Harvard University, Apr. 2005;

- Columbia University Computer Science **25th Anniversary Distinguished Lecture Series**, Feb. 2005;
- Dept. of Biostatistic and Medical Informatics Seminar, University of Wisconsin, Feb. 2005.

“Intelligent Technology for Adaptive Aging,” **Invited Plenary Talk**, 19th National Conference on Artificial Intelligence, July 2004.

Panelist, IEEE Working Group on Geriatric Care IT Symposium, Washington, DC, May 2004.

Commentary on “Evolving Telemedicine/eHealth Technology—21st Century,” by Frank Ferrante, 2004 Telemedicine Symposium, University of Michigan, May 2004.

“Assistive Technology for Cognition”, demonstration as part of the Technology Demo on Capitol Hill—Solutions to the Aging Services Crisis, sponsored by the Center for Aging Services Technology (CAST), Dirksen Senate Office Building, Washington, D.C, March 2004.

“Assistive Technology for Cognition,” demonstration as part of the University of Michigan State Legislature Research Exhibit, Lansing Capitol Rotunda, Lansing, MI, March 2004.

“Technology to Assist Individuals with Cognitive Impairment,” Workshop on Adaptive Aging through Technology, Gerontological Society of America, San Diego, CA, Nov. 2003.

“An Intelligent, Adaptive Cognitive Orthotic,”

- Department of Computer Science **Distinguished Speakers Series**, University of Rochester, Rochester, NY, Mar., 2003;
- Department of Biomedical Informatics Seminar, Vanderbilt University, Nashville, Tn, Dec. 2002;
- Workshop on Web Intelligence for Functionally Illiterate and Cognitively Impaired Populations; Joint Session with the 5th Annual Symposium on the Treatment of Alzheimer’s Disease, Dalhousie University, Halifax, Nova Scotia, Canada, Nov. 2002;
- 4th International Conference on Gerontechnology, Miami Beach, FL, Nov. 2002;
- **Invited Talk** at the Intel Corp. Conference on Computing, Cognition, and Caring for Future Elders, Intel Campus, Hillsboro, Oregon, Aug., 2002.

“Plan-Management Assistants: From Homework Helpers to Cognitive Orthotics,” **Invited Plenary Talk**, 6th International Conference on AI Planning and Scheduling, Toulouse, France, April, 2002.

“Autominder: The Use of AI Techniques in a Cognitive Orthotic System,” Cognitive Science Colloquium, Georgia Institute of Technology, Atlanta, GA, November 2001.

“Plan Management Technology for Automated Personal Assistants,” 11th Univ. of Michigan IPoCSE Seminar (Industrial Partners of Computer Science and Engineering), October, 2000.

“Reasoning about Actions in Context: Computational Techniques for Plan Management,” NCARAI Seminar Series, Naval Research Laboratory, Washington, D.C., April 2000.

“Plan Management Requirements for Agent-Based Computing,” National Institute of Standards and Technology, Gaithersburg, MD, April 2000.

“Plan Management for Continual Computation,” University of Michigan Department of Electrical Engineering and Computer Science Colloquium, November, 1999.

“Intelligent Workflow Management beyond Business”, **Invited Talk** at the IJCAI99 Workshop on Intelligent Workflow and Process Management, Stockholm, Sweden, Aug., 1999.

“Experiences with Adjustable Autonomy in a Mixed-Initiative System,” **Invited Talk** at the IJCAI99 Workshop on Adjustable Autonomy, Stockholm, Sweden, Aug., 1999.

- “Computational Techniques for Plan Management: Merging Richly Expressive Plans,” and “Computational Techniques for Plan Management: Assessing Alternative Plans in Context,” both given as a Guest Researcher at the University of Ulm Dept. of Computer Science, Ulm, Germany, May, 1999.
- “Reasoning about Actions in Context: Computational Techniques for Plan Management,” University of Michigan Department of Electrical Engineering and Computer Science Colloquium, March, 1999.
- “Plan Generation, Plan Management, and the Design of Computational Agents,” University of Maryland Agents Speakers Series, Department of Computer Science, University of Maryland, December, 1998.
- “Plan Management for Cognitive Robotics,” **Invited Overview Talk**, AAAI Fall Symposium on Cognitive Robotics, Orlando, FL, October, 1998.
- “There's More to Life than Making Plans: Plan Management in Dynamic, Multi-Agent Environments,” **Invited Talk**, AAAI Fall Symposium on Distributed, Continual Planning, Orlando, FL, October, 1998.
- “Rationality and Planning: A Computational Perspective,” **Invited Plenary Talk**, Utrecht Artificial Intelligence Institute Colloquium on Artificial Intelligence, to honor the 10th anniversary of the Cognitive Artificial Intelligence Program and the opening of the Technical Artificial Intelligence Program, Utrecht, Holland, October, 1998.
- “Plan Generation, Plan Management, and the Design of Computational Agents,” **Invited Talk**, 3rd International Conference on Multi-Agent Systems, Paris, France, July, 1998.
- “The Future of BDI Models,” Invited Panel Member, 5th International Workshop on Agent Theories, Architectures, and Languages, Paris, France, July 1998.
- “There's More to Life than Making Plans: Plan Management in Dynamic Environments,” **Invited Talk**, AIPS'98 Workshop on Integrating Planning, Scheduling, and Execution in Dynamic and Uncertain Environments, June 1998.
- “Plan Management in Dynamic Environments,” Carnegie Mellon University Department of Computer Science AI Seminar Series, Apr. 1998.
- “Rationality and Planning: A Computational Perspective,” University of Pittsburgh Center for Philosophy of Science **Annual Lecture Series**, Feb., 1998
- “Towards Faster/Better Planners”,
- University of Rochester Dept. of Computer Science Colloquium, Sept. 1997;
 - University of Minnesota Dept. of Computer Science Colloquium, Apr., 1997.
- “Talking to Computers: Why Don't They Understand?,” University of Pittsburgh Founder's Day Symposium, Feb., 1997.
- “Planning Algorithms and Planning Problems,” **Invited Talk**, AI'96, The Annual Meeting of the Canadian Society for Artificial Intelligence, May, 1996.
- “Planning in Distributed, Dynamic Environments,” **Invited Talk**, STISS-95. Washington, D.C., Aug. 1995.
- “How and Why Artificial Agents Plan,” **Invited Talk**, Society for Philosophy and Psychology Annual Meeting, June 1995.
- “Commentary on ‘The Significance or Insignificance of Representations in the Cognitive Architecture’,” Conference on Philosophy and the Sciences of Mind, University of Konstanz, Konstanz, Germany May 1995.
- “The Effects of Single-Agent Reasoning Strategies on Multi-Agent Systems,” **Invited Talk**, Fourth International Colloquium on Cognitive Science, San Sebastian, Spain, May 1995.

“Planning in Dynamic, Multi-Agent Domains: Issues and Experiments,” University of Waterloo Cognitive Science Series, February 1995.

“Resource-Bounded Rationality with Representation: An AI Perspective,” 3 **Invited Lectures** presented at the Center for Rationality, Department of Philosophy, University of Arizona, January 1995.

“Commentary on ‘Cognition and Tool Use’,” 3rd In-House Conference, University of Pittsburgh Center for the Philosophy of Science, Sept. 1994.

“Planning in Dynamic, Multi-Agent Domains: Issues and Experiments,” Rome Laboratory, May 1994.

“Control of Reasoning in Dynamic Environments,”

- Division of Applied Sciences, Harvard University, December 1993;
- Department of Computer Science, University of Washington, November 1993;
- Center for the Philosophy of Science, University of Pittsburgh, September 1993;
- SOAR '93: Space Operations, Applications and Research Symposium, NASA Johnson Space Center, August 1993.

“All My Autopsies Have Been Performed on Dead People: Issues in Knowledge Representation for Discourse Processing,” **Invited Talk**, Third International Conference on Principles of Knowledge Representation and Reasoning, October 1992.

“Experimental Methods in Artificial Intelligence,” Invited Panel Member, First International Conference on Artificial Intelligence Planning Systems, College Park, MD, June, 1992.

“Strategies for Resource-Limited Reasoning,”

- Department of Computer Science, University of Toronto, May 1992;
- Department of Computer and Information Science, University of Pennsylvania, May 1992;
- Department of Computer Science, University of Chicago, April 1992.

“Plan Recognition for Discourse: A Survey,”

- Computational Linguistics Research Seminar, Carnegie Mellon University, October 1991;
- Topics in Artificial Intelligence Series, Stanford University, June 1991.

“The Uses of Plans,”

Learning Research and Development Center, University of Pittsburgh, October 1991;

Computers and Thought Lecture, 12th International Joint Conference on Artificial Intelligence, Sydney, Australia, August, 1991

“Experimental Evaluation of an Architecture for Resource-Bounded Reasoning,”

- Wright-Patterson Air Force Base, April 1991;
- Department of Computer Science, Johns Hopkins University, March 1991;
- Department of Computer Science, University of Maryland, March 1991;
- Department of Computer Science, Brown University, March 1991;
- Department of Computer Science, Rutgers University, February 1991;
- Knowledge Systems Laboratory, Stanford University, February 1991;
- Department of Computer Science, Duke University, January 1991;
- Department of Computer Science, Univ. of Pittsburgh, January 1991.

“Tunable Benchmarks for Agent Evaluation” **Invited Talk**, DARPA/NASA Workshop on Benchmarks and Metrics for Evaluating Agent Architectures, NASA Ames Research Center, Mountain View, CA, June, 1990.

“The Tileworld System,” NASA/Ames, May 1990.

“The Role of Intentions in Agency,” Invited Panel Member, American Association for Artificial Intelligence (AAAI) Symposium on Planning in Uncertain, Unpredictable, or Changing Environments, Stanford, CA, March 1990.

“Plans and Resource-Bounded Practical Reasoning,” Cognitive Science Group, Northwestern University, October 1989.

"Plan Recognition Beyond STRIPS," American Association for Artificial Intelligence (AAAI) Workshop on Plan Recognition, Detroit, MI, August 1989.

“An Integrated Framework for Semantic and Pragmatic Interpretation,”

- Unisys, November 1988;
- Department of Computer Science, University of Pennsylvania, November, 1988;
- Department of Computer Science, Cambridge University, October, 1988.

“Inferring Domain Plans in Question-Answering,” AT & T Bell Laboratories, May, 1986.

RESEARCH GRANTS:

Principal Investigator, “*Contextual Investigation of Constraint-Based Dynamic Scheduling*,” National Science Foundation, \$801,893, 2007-2010.

Subcontractor (PI for the Michigan subcontract), “*Plan Management Support for the EPCA Project*,” DARPA, through a subcontract from SRI International, \$1,281,896 (University of Michigan portion), 2003-2008.

Principal Investigator, “*Temporal Planning for Automatic Service Composition*,” Air Force Office of Scientific Research, \$557,825, 2007-2010

(After being awarded this grant, I transferred it to Prof. Edmund Durfee, because my move to the position of Dean of the School of Information precluded my continuing to serve as PI on it.)

Co-Investigator, “*Multiagent Plan Management for Sociocognitive Orthotics*,” National Science Foundation (PI: E. Durfee), \$539,626, 2005-2007.

Principal Investigator, “*Mixed-Initiative Development of Plans with Expressive Temporal Constraints*,” Air Force Office of Scientific Research, \$299,817, 2004-2007.

Co-Investigator, “*An Infrastructure for Wide Area Pervasive Computing*,” National Science Foundation (PI: H. V. Jagadish), 2003-2006.

Principal Investigator, “*Preliminary Studies and Feasibility Analysis of Location-Aware Assistive Technology*,” University of Michigan Office of Vice President for Research, \$14, 993, 2005-2006.

Principal Investigator, “*Adaptive Interfaces for Cognitive Orthotics*,” Intel Corp. (Co-PI: Satinder Singh). \$248,793, 2003-2005.

Principal Investigator/Subcontractor, “*Personal Robotic Assistants for the Elderly*,” National Science Foundation (ITR Program), \$1,412,000 (Univ. of MI component: \$439,240), 2000-2005.

(I was initially PI when the proposal was submitted and selected. After moving to Univ. of Michigan, we decided to leave the Univ. of Pittsburgh as the prime, creating a new PI there, and bring my funding to Michigan in the form of a subcontract.)

Principal Investigator, “*Increasing the Efficiency and Functionality of Plan Management Agents*,” Air Force Office of Scientific Research, \$509,034, 2000-2004.

Principal Investigator, “*Development of a Formal Theory of Agent-Based Computing for System Evaluation and System-Design Guidance*,” DARPA/AFRL (TASK Program), \$712,727, 2000-2003.

Principal Investigator, “*Plan Management Capabilities for Autonomous Agents: Extending the Basic Capabilities*,” DARPA/AFRL (CoABS Program), \$199,633, 2000-2001.

Principal Investigator, “*Agents for Dynamic Plan Management*,” Air Force Office of Scientific Research Contract F49620-98-1-0436, \$307,653, 1998-2000.

Principal Investigator, “*Plan Management in Dynamic Environments*,” National Science Foundation, IRI-9619579, \$188,233, 1997-2000.

Principal Investigator (with D. Chiarulli), “*Mobile Robots for Teaching Undergraduate Computer Science*,” University of Pittsburgh Innovation in Education Awards, \$29,710, 2000-2001.

Principal Investigator (with D. Chiarulli and S. Levitan), “*Voice Input Interfaces to Embedded Systems*,” Pittsburgh Digital Greenhouse, \$ 175,509, 2000.

Principal Investigator (with D. Chiarulli), “*Mobile Robots for Computer Science Instruction*,” University of Pittsburgh Advanced Instructional Technology Program, \$22,500, 1998-1999.

Co-Principal Investigator (with K. VanLehn, J. Anderson, K. Ashley, M. Chi, G. Cooper, K. Corbett, M. Druzdel, K. Koedinger, A. Lesgold, L. Levin, and J. Moore), “*CIRCLE: Center for Interdisciplinary Research on Constructive Learning*,” National Science Foundation, IRI-9720359, \$4,997,797, 1997-2002.

Co-Principal Investigator (with K. Ashley, M. Chi, and R. Pinkus), “*Modeling Learning to Reason with Cases in Engineering Ethics: A Test Domain for Intelligent Assistance*,” National Science Foundation, IRI- 9720341, \$499,983, 1997-2000.

Principal Investigator, “*Supplement: Agents for Dynamic Plan Management*,” DARPA funding to augment AFOSR contract F49620-98-1-0436, \$102,740, 1999.

Principal Investigator, “*Supplement: Plan Management in Dynamic Environments*,” National Science Foundation, IRI-9619579, \$35,066, 1997-1998.

Principal Investigator, “*Search Control for Automatic Plan Generation*,” Air Force Office of Scientific Research Contract F49620-96-1-0403, \$76,992, 1996-1997.

Principal Investigator, “*Cooperation and Coordination among Tactical Picture Agents*,” Office of Naval Research Contract N00014-95-1-1161, \$78,835, 1995-1996.

Principal Investigator (with T. Znati), *Distributed, Interactive Development and Monitoring of Transportation Plans in Dynamic Environments*, DARPA Contract F30602-93-C-0038, \$521,160, 1993-1996.

Principal Investigator, *Strategies for the Control of Reasoning in Dynamic Environments*, Air Force Office of Scientific Research Contract F49620-92-J-0422, \$238,372, 1992-1995.

Principal Investigator, *Investigations of Resource-Limited Reasoning*, National Science Foundation Young Investigator's Award, IRI-9258392, 1992-1997, \$125,000.

Principal Investigator, *Intelligent Real-Time Problem Solving*, AFOSR/RADC/WRDC Contract F49620-91-C-0005, \$84,938, 1991-1992.

Co-Investigator (D. Appelt and K. Konolige, Principal Investigators), *Planning Helpful Behavior*, Nippon Telegraph and Telephone Grant, \$750,000, 1989-1992.

Co-Investigator (K. Konolige, Principal Investigator), *Distributed Reasoning and Planning*, ONR Contract N00014-89-C-0095, \$750,000, 1989-1993, and Contract N00014-85-C-0251, \$1,000,000, 1985-1989.

Co-Investigator (F. C. N. Pereira, Principal Investigator), *Candide, An Interactive System for the Acquisition of Domain-Specific Knowledge*, DARPA Contract N000-39-84-C-0524 \$1,150,000, 1984-1988.

Investigator, Rational Agency Project and Discourse, Intention, and Action Project, Center for the Study of Language and Information, Stanford University, Gift from the System Development Foundation, 1985-1990.

PROFESSIONAL ACTIVITIES:

Government Testimony:

2004 Testimony before the United States Senate Special Committee on Aging on the topic of technology to support older adults

National Science Foundation:

2006-2010 CISE (Computer and Information Science and Engineering) Advisory Committee

- Co-organizer (with Jeannette Wing, NSF CISE AD) of the Workshop on Computing Outside the Box, Nov., 2008
- Author, with Ed Lazowska, Dan Reed, and Jeannette Wing of CRA Report of the COtB Workshop
- Subcommittee on International Activities
- Subcommittee on “Beating the Buses” to attract program directors to CISE

2009 Committee of Visitors, NSF CISE IIS (Information and Intelligent Systems) Division

2007-2008 Steering Committee, 2nd US/China Computer Science Leadership Summit

2006 Participant, 1st US/China Computer Science Leadership Summit

Computing Research Association:

2007-2013 Member, Board of Directors

- Secretary (2010-2013)
- Participant, Career Mentoring Workshop Panel (2012)
- Government Affairs committee (member 2009-2010, 2010-2011)
- CRA Deans committee (member 2007-2010, board representative 2011-2012)
- Co-organizer, Session on “Managing Up: Partnering with Your Dean,” at Snowbird ‘10
- Ad hoc committee on interdisciplinary tenure and author, with Marc Snir, of Best Practices Guide
- Co-organizer, Session on “Sexual Harrassment and Implicit Bias” at Snowbird ‘08
- Nico Habermann award committee (Chair 2009-2010; member 2007-2008, 2008-2009)
- Election committee (2008-2009)
- Organizer, board meeting working session on academic recruiting issues.
- Subcommittee on CISE taxonomies

1991 Invited Participant, Summit Meeting of Women in Computer Science Leaders

National Research Council:

2002-2003 National Research Council Steering Committee on Adaptive Aging: Gerontology to Technology

Association for the Advancement of Artificial Intelligence (AAAI):

2009-2010 President

2007-2009 President-Elect

- Chair, Publications Access Committee (2007-2008)
- Member, Strategic Planning Board and Strategic Planning Working Group (2007-2008)

2007 AI Magazine Poster Project, Advisory Committee

2004 Organizing Committee, Fall Symposium on Dialogue Systems for Health Care

2000-2005 *AI Magazine*, Editorial Board

2001 AAAI Judge to the Intel International Science and Engineering Fair

2001 Program Committee, Spring Symposium on Game Theoretic and Decision Theoretic Agents

2000 Program Committee, 17th National Conference
 2000 AAAI Fellows Selection Committee
 1994-1997 Councilor and Executive Committee Member
 1994-1998 Workshop Grants Committee
 1994 AAAI Panel to Advise ARPA on the State and Future of AI
 1994 Judge, Robot Competition, 12th National Conference
 1994 Program Committee, Fall Symposium on Rational Agency
 1994 Organizing Committee, Workshop on Evaluating Planning Systems at the National Conference
 1993 Program Committee, Spring Symposium on Reasoning about Mental States: Formal Theories and Applications
 1992 Program Committee Area Chair, 10th National Conference
 1992 Judge, Robot Competition, 10th National Conference
 1991 Program Committee Area Chair, 9th National Conference

International Joint Conferences on Artificial Intelligence:

2007 Awards Committee, 20th International Conference
 2001 Program Committee, 17th International Conference
 1997 Program Chair, 15th International Conference
 1995 Program Committee, 14th International Conference
 1993-1997 Executive Committee
 1993 Advisory Committee, 13th International Conference
 1993 Program Committee, 13th International Conference
 1991 Tutorial Chair, 12th International Conference
 1991 Co-organizer, Workshop on Theoretical and Practical Design of Rational Agents, 12th International Conference

Journal of Artificial Intelligence Research:

2000-2001,2005- Advisory Board
 2001-2005 Editor-in-Chief
 1996-1999 Associate Editor
 1993-1996 Editorial Board

Artificial Intelligence Journal:

1993-2002 Editorial Board
 2001 *Ad Hoc* Committee to Review the publication status of the journal

International Journal of Autonomous Agents and Multi-Agent Systems:

2000-2007 Editorial Board

Association for Computational Linguistics:

1992-1993 Executive Committee
 1989-1992 *Computational Linguistics*, Editorial Board Member
 1990 Program Committee, 28th Annual Conference
 1989 Tutorial Chair, 27th Annual Conference

Linguistics Society of America Summer Institute:

1991 Advisory Committee

Other Program Committee Memberships:

2007 Workshop on Intelligent Systems for Assisted Cognition (Microsoft Research and the University of Rochester)
 2007 Technology and Aging Conference, in Festival of International Conferences on Disability, Aging, and Technology
 2007 1st International Workshop on Systems and Networking Support for Healthcare & Assisted Living Environments
 2002 6th International Conference on AI Planning and Scheduling
 2001 6th European Conference on Planning

- 2000 5th International Conference of AI Planning Systems
- 2000 2nd International NASA Workshop on Planning and Scheduling for Space
- 1999 Area Chair, 3rd International Conference on Autonomous Agents
- 1999 5th European Conference on Planning
- 1999 6th International Workshop on Agent Theories, Architectures, and Languages
- 1998 4th International Conference on AI Planning Systems
- 1995 University of Pittsburgh Center for the Philosophy of Science/Universitat Konstanz Zentrum Philosophie und Wissenschaftstheorie, Joint Conference on Philosophy and the Sciences of Mind
- 1994 2nd International Conference on AI Planning Systems
- 1992 3rd International Conference on Knowledge Representation and Reasoning
- 1992 1st International Conference on AI Planning Systems

Other Professional Service:

- 2011- Scientific Advisory Committee, Intel Science and Technology Center on Pervasive Computing, Seattle, WA
- 2009 Selection Committee, Computing Innovations Fellowship Program
- 2009 Chair, External Review Committee, University of Texas Dept. of Computer Science
- 2007-2010 ACM Athena Lecture Selection Committee
- 2008 Microsoft Faculty Fellow Selection Committee
- 2003 Organizing Committee, Workshop on Plan Execution, 13th International Conference on Automatic Planning and Scheduling
- 2002 Judge, Intel Science Fair for Southeast Michigan.
- 2002 Organizing Committee, 2nd Dagstuhl Seminar on Plan-Based Control of Robotic Agents
- 2001 Organizing Committee, Dagstuhl Seminar on Plan-Based Control of Robotic Agents
- 2000 Organizing Committee, Workshop on Planning under Uncertainty, AIPS-00
- 1989-1990 Member, Association for Computing Machinery Committee on Scientific Freedom and Human Rights
- 1989-1990 Chair, Association for Computing Machinery Committee on the Status of Women in Computer Science (SFHR Subcommittee)
- 1987 Co-organizer, with P. Cohen, of the Symposium on Intentions and Plans in Communication and Discourse, Monterey, CA
- 1986-1987 Member, Ph.D. Admissions Committee, Stanford University Computer Science Department

UNIVERSITY SERVICE:

University of Michigan: College or University-Wide
(Includes only activities prior to becoming Vice Provost)

Executive Committee, Institute for Social Research, 2009-2010.

Chair, Provost's Task Force on Creative Staffing and Shared Services, 2009-2010.

Member, Crosby Awards Selection Committee, ADVANCE Project, 2008.

Member, APG (Academic Programs Group) Strategic Planning Working Group, 2008.

Member, Internal Review Committee, Institute for Social Research, 2008.

Member, Taubman College of Architecture and Urban Planning Dean's Search Advisory Committee, 2007-2008.

Member, APG Development Subcommittee, 2008-2009, 2007-2008.

Member, APG Budget Subcommittee, 2009-2010.

Member, University of Michigan ADVANCE Advisory Board, 2009-2010, 2008-2009, 2007-2008.

Member, University of Michigan ADVANCE Project Committee on Science and Technology Recruiting for Increased Diversity and Excellence (STRIDE), 2006-2007, 2005-2006, 2004-2005, 2003-2004, 2002-2003.

Member, College of Engineering Dean's Advisory Committee on Female Faculty, 2006-2007, 2005-2006, 2004-2005, 2003-2004, 2002-2003, 2001-2002.

Keynote Speaker, College of Engineering Student Leadership Banquet, 2006.

Chair, College of Engineering Dean's Search Advisory Committee, 2005-2006.

Member, College of Engineering Undergraduate Awards Committee, 2005.

Organizing Committee, University of Michigan Female Faculty Leadership Retreat, Oct. 2003.

Member, College of Engineering *ad hoc* Advisory Committee on the Status of Women, Winter 2000.

University of Michigan Dept. of EECS/CSE Division

Associate Chair for Computer Science and Engineering, 2004-2007.

Chair, CSE Executive Committee, 2006-2007, 2005-2006, 2004-2005.

Member, CSE Executive Committee, 2003-2004, 2001-2002.

Member, EECS Awards and Honors Committee, 2006-2007, 2005-2006, 2004-2005.

Member, CSE Building Committee, 2006-2007, 2005-2006, 2004-2005.

Member, EECS Curriculum Committee, 2003-2004, 2002-2003, 2001-2002.

Member, CSE Faculty Search Committee, 2006-2007, 2005-2006, 2004-2005.

Faculty Advisor, GEECS (Girls in EECS), 2003-2004.

Chair, EECS Chair Search Committee, 2002.

Member, EECS Chair Search Committee, 2001-2002.

Member, CSE Graduate Committee, 2000-2001.

University of Pittsburgh: College or University-Wide

Member, *ad hoc* Promotion Appeal Committee, 2000.

Member, Tenure Council, 1996-1997, 1999-2001.

Member, Tenure Council Selection Committee, 1996-1997.

Member, Faculty Assembly, 1998-1999.

Alternate, Tenure Council, 1995-1996.

Speaker, Pitt Faculty Forum for Incoming Freshman, July 1995.

Speaker, Pitt-CMU Women in Academia Series, December, 1994.

Panel Member, Provost's Panel on Attracting and Retaining Women in the Sciences, November 1994.

Guest Speaker, College of Arts and Sciences High School Teachers' Meeting, talk for visiting high-school computer programming teachers, April 1992.

Faculty Responder, 1992 Honors Convocation, University of Pittsburgh.

University of Pittsburgh Department of Computer Science

Chair, Faculty Search Committee, Department of Computer Science, 1999-2000.

Chair, Graduate Programs and Examinations Committee, Department of Computer Science, 1994-1995, 1995-1996, 1996-1997.

Member, Graduate Admissions and Financial Aid Committee, Department of Computer Science, 1991-1992, 1992-1993, 1993-1994, 1998-1999, 1999-2000.

Graduate Advising, Department of Computer Science, 1991-1992, 1992-1993, 1993-1994, 1994-1995, 1995-1996, 1996-1997.

Member, Faculty Recruiting Committee, Department of Computer Science, 1995-1996.

Member, *Ad Hoc* Committee to Develop a New Introduction to Computer Science, 1993-1994.

University of Pittsburgh Intelligent Systems Program

Program Director, 1998-2000

Chair, Graduate Admissions Committee, 1998-1999, 1999-2000.

Member, Space Committee, Intelligent Systems Program, 1994-1995, 1995-1996.

Chair, *Ad Hoc* Curriculum Revision Committee, Intelligent Systems Program, 1993-1994.

TEACHING EXPERIENCE:

Courses Taught at the University of Michigan:

SI 730 Towards an Index of Leading Online Socialbility Indicators (Seminar)
Winter 2009

EECS 203 Discrete Mathematics
Fall 2003, Winter 2003, Fall 2004

EECS 380 (now 281) Introduction to Data Structures and Algorithms
Fall 2000

EECS492 Introduction to Artificial Intelligence
Fall 2006, Winter 2002

EECS543 Knowledge-Based Systems
Fall 2001, Fall 2002

EECS 692 Current Topics in Artificial Intelligence (Plan Management)
Winter 2001

Courses Taught at the University of Pittsburgh:

CS 401 Introduction to Computer Science using C++
Fall 1995

CS 441 Discrete Structures for Computer Science
Fall 1996, Spring 1996, Spring 1995, Spring 1994, Spring 1992, Fall 1991

CS 1571 Introduction to Artificial Intelligence
Spring 1997, Spring 1994

CS1699 Intermediate Programming and System Design Using a Mobile Robot
Fall 1999

CS2710/ISSP2160 Foundations of Artificial Intelligence
Fall 1999, Fall 1996, Fall 1995, Fall 1994

CS 2730/ISSP 2170 Planning, Problem Solving and Search
Fall 1993, Fall 1992

CS 3710 Advanced Topics in Artificial Intelligence
Spring 1999, Spring 1992

Courses Taught Elsewhere:

Temporal and Resource Reasoning for Planning, Scheduling, and Execution (with N. Muscettola),
All-Day Tutorial at AAI 2006
July, 2006

All-Day Tutorial at ICAPS 2005
June, 2005

Planning and Execution,
PLANET European Summer School on Artificial Intelligence Planning,
Halkidiki, Greece,
September 2002

Computational Models of Discourse,
LSA Summer Institute, Santa Cruz, CA and
Summer School of Computational Linguistics, Prague
Summer 1991

Seminar on Rational Agency (with M. Bratman and S. Rosenschein),
Philosophy Dept. and Center for the Study of Language and Information,
Stanford University,
Fall 1989

Computational Models of Discourse (with D. Appelt and J. Hobbs),
Computer Science Dept., Stanford University,
Spring 1987

Teaching Assistant: Introduction to Lisp, Artificial Intelligence, Data Structures
Dept. of Computer and Information Science, Univ. of Pennsylvania.

Data Processing Training Services
Blue Cross of Massachusetts
Full-Time-Instructor for In-House Computer Programming Courses
1980—1981

Graduate Student Supervision:

Postdoctoral Student Supervisor

Eithan Ephrati, University of Pittsburgh, 1993-1996

Doctoral Student Supervisor (Complete)

Julie Weber (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Dec. 2010)
Thesis Title: “Pssst. . . or Boo! Assessing the Predictability of Notification Delivery Preferences”

Mark Hodges (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Aug. 2010)
Thesis Title: “Sensor-Based Analysis of Object-Use Patterns for Automatic Assessment of Cognitive Status”
First (and current) position: *Assistant Professor*, Dominican University

Peter Schwartz (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Aug. 2007)
Thesis Title: “Managing Complex Scheduling Problems with Dynamic and Hybrid Constraints”
First (and current) Position: *Technical Staff Member*, ORSA Corporation

Michael Moffitt (Computer Science and Engineering, University of Michigan, Ph.D. Awarded April 2007)
Thesis Title: “Efficient and Expressive Extensions of Constraint-Based Temporal Reasoning”
Current Position: *Research Staff Member*, IBM Austin Research Lab
First Position: *Josef Raviv Memorial Postdoctoral Fellow*, IBM Austin Research Lab

Bart Peintner (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Aug. 2005)
Thesis Title: “Algorithms for Constraint-Based Temporal Reasoning with Preferences”
First (and current) Position: *Computer Scientist*, SRI International

Colleen McCarthy (Computer Science, University of Pittsburgh, Ph.D. Awarded Dec. 2002)
Thesis Title: “A Plan-Based Cognitive Orthotic for Reminding”
Current Position: *Lecturer*, School of Information, University of Michigan
First Position: *Assistant Professor*, California State University at Long Beach

Ioannis Tsamardinos (Intelligent Systems, University of Pittsburgh, Ph.D. Awarded Aug. 2001)
Thesis Title: “Constraint-Based Temporal Reasoning Algorithms, with Applications to Planning”
Current Position: *Assistant Professor*, University of Crete (Greece)
First Position: *Assistant Professor*, Vanderbilt University

Atif Memon (Computer Science, University of Pittsburgh, Ph.D. Awarded, Aug. 2001; co-supervisor Mary Lou Soffa)
Thesis Title: “A Comprehensive Framework for Testing Graphical User Interfaces”
Current Position: *Associate Professor*, University of Maryland
First Position: *Assistant Professor*, University of Maryland

Nilufer Onder (Computer Science, University of Pittsburgh, Ph.D. Awarded Aug. 1999)

Thesis Title: “Contingency Selection in Plan Generation”
 Current Position: *Associate Professor*, Michigan Technological University
 First Position: *Assistant Professor*, Michigan Technological University

R. Michael Young (Intelligent Systems, University of Pittsburgh. Jointly supervised by Prof. Johanna Moore, Ph.D. Awarded Dec. 1997)
 Thesis Title: “Generating Descriptions of Complex Activities”
 Current Position: *Associate Professor*, North Carolina State University
 First Position: *Postdoctoral Fellow*, The Robotics Institute, Carnegie Mellon University

David Joslin (Intelligent Systems, University of Pittsburgh. Ph.D Awarded Apr. 1996)
 Thesis Title: “Passive and Active Decision Postponement in Plan Generation”
 First Position: *Research Associate*, Computational Intelligence Research Laboratory, University of Oregon

Master’s or Pre-Candidate Student Supervisor (Complete)

Brett Clippingdale (CSE, University of Michigan)
 Erin Rhode (CSE, University of Michigan, M.S. Awarded May 2007)
 Mark Schaller (CSE, University of Michigan, M.S. Awarded December 2005)
 Martina Gierke (CS, University of Rostock, Germany, jointly supervised by Adeline Uhrmacher, M.S. Awarded January 2005) “Coupling Autominder and James”
 Jacob Balazer (CSE, University of Michigan, M.S. Awarded December 2003)
 Laura Brown (CSE, University of Michigan, M.S. Awarded August 2002)
 Steven Carrion (CSE, University of Michigan, M.S. Awarded December 2001)
 Dirk Colbry (CSE, University of Michigan, M.S. Awarded December 2001)
 Philip Ganchev (Intelligent Systems Program, University of Pittsburgh, M.S. Awarded August 2001)
 “Flexibility Measures for Sets of Plans”
 Sailesh Ramakrishnan (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded August 2000)
 “Simulation-Based Intelligent Reminding”
 Jun Hu (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded May 2000)
 “Solving Multi-Agent Plan Refinement Problems using Local Search”
 Colleen McCarthy (Computer Science, University of Pittsburgh . M.S. Awarded December 1999)
 “Rationale-Based Monitoring: Application to Causal-Link Planning and Implementation in the Robotics Field”
 Iaonnis Tsamardinos (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded August 1998)
 “Reformulating Temporal Plans for Efficient Execution”
 Massimo Paolucci (Intelligent Systems Program, University of Pittsburgh . M.S. Awarded August 1998)
 “Flaw-Selection Strategies for Partial-Order Causal Link Planning”
 Marina Milshtein (Computer Science, University of Pittsburgh . M.S. Awarded April 1996)
 “A Cost-Directed Heuristic Planner”
 Yagil Ronen (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded August 1995)
 “Meta-Level Deliberation as Scheduling: The Use of Operating Systems and Operations Research Techniques in Meta-Level Control”
 Rob Conticello (Computer Science, University of Pittsburgh. M.S. Awarded April 1995)
 “Implementation of a User Interface for the DIPART System”
 Arthur Nunes (Computer Science, University of Pittsburgh. M.S. Awarded August 1994)
 “Towards a Machine IQ: Some Perspectives on Evaluation Metrics for Embedded Agents with an Application to Agents Designed for the Pacifica Evaluation Scenario”

Doctoral Committee Member (Complete)

Matt Rudary (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Dec. 2008)
 Andrew Nuxoll (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Aug. 2007)
 Sarah Root (Industrial and Operations Engineering, University of Michigan, Ph.D. Awarded April 2007)
 Tolga Konik (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Dec. 2006)
 Lin Liao (Computer Science and Engineering, University of Washington, Ph.D. Awarded Aug. 2006)

Bill Rand (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Dec. 2005)
Jeffrey Cox (Computer Science and Engineering, University of Michigan, Ph. D. Awarded Aug. 2005)
Katie Luchini (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Apr. 2005)
Haksun Li (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Apr. 2004)
Scott Wallace (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Aug. 2003)
Tae-Sic Yoo (Electrical Engineering, University of Michigan, Ph.D. Awarded Apr. 2002)
Randy Ho (Computer Science and Engineering, University of Michigan, Ph.D. Awarded Apr. 2002)
Brad Clement (Computer Science and Engineering, University of Michigan, Ph.D. Awarded, Dec. 2001)
Susan Lauzac (Computer Science, University of Pittsburgh, Ph.D. Awarded August 2001)
William Walsh (Electrical Engineering and Computer Science, University of Michigan, Ph.D. Awarded, May 2001)
Gary Livingston (Computer Science, University of Pittsburgh, Ph.D. Awarded December 2000)
Chrisoula Andreou (Philosophy, University of Pittsburgh, Ph.D. Awarded December 2000)
Jae Oh (Computer Science, University of Pittsburgh. Ph.D. Awarded August 2000)
Pamela Jordan (Intelligent Systems, University of Pittsburgh. Ph.D. Awarded April 2000)
Bruce McLaren (Intelligent Systems, University of Pittsburgh. Ph.D. Awarded December 1999)
Zvi Cohen (Philosophy, University of Pittsburgh. Ph.D. Awarded September 1999)
Donald Bruckner (Philosophy, University of Pittsburgh. Ph.D. Awarded September 1999)
Stefano Monti (Intelligent Systems, University of Pittsburgh. Ph.D. Awarded August 1999)
Stephen Glaister (Philosophy, University of Pittsburgh. Ph.D. Awarded April 1999)
Reiko Tsuneto (Computer Science, University of Maryland, Ph.D. Awarded December 1998)
Constantin Aliferis (Intelligent Systems, University of Pittsburgh. Ph.D. Awarded April 1998)
Claude-Nicolas Fiechter (Computer Science, University of Pittsburgh. Ph.D. Awarded August 1997)
Mark McCullaugh (Philosophy, University of Pittsburgh. Ph.D. Awarded May 1997)
Alicia Perez (Computer Science, Carnegie Mellon. Ph.D. Awarded August 1995)
Yongwon Lee (Computer Science, University of Pittsburgh. Ph.D. Awarded August 1995)
Christopher Geib (Computer and Information Science, Univ. of Pennsylvania, Ph.D. Awarded, May 1995)
Rahul De (Business, University of Pittsburgh. Ph.D. Awarded December 1993)
S. Rebecca Thomas (Computer Science, Stanford, Ph.D. Awarded August 1993)
John Aronis (Intelligent Systems, University of Pittsburgh. Ph.D. Awarded May 1993)
Eunok Paek (Computer Science, Stanford, Ph.D. Awarded June 1991)

Master's Committee Member (Complete)

Amy Soller (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded December 1999)
Sylvain Lauzac (Computer Science, University of Pittsburgh. M.S. Awarded January 1995)
Jonathan Rubin (Intelligent Systems Program, University of Pittsburgh. M.S. Awarded April 1994)

Undergraduate Student Supervision:

Vikas Reddy, UROP Program, University of Michigan, 2003-2004, 2004-2005
James Shearer, Undergraduate Research Assistant, RDF funding, University of Pittsburgh, 2000.
Mac Marchandani, Undergraduate Research Assistant on NSF funded project, University of Pittsburgh, 1999.
Greg Hajcak, Supervisor for Brackenridge Summer Research Fellowship, University of Pittsburgh, 1998.
Tonya Yount, Supervisor for Chancellor's Undergraduate Research Fellowship, University of Pittsburgh, 1993.