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- Coordination through Joint Intentions in Industrial Multiagent Systems*. 14(4): Winter 1993, 79-80
- Corkill, Daniel, *see* Conway, Lynn
- Cornuejols, Antoine; Goldman, Sally; Schlimmer, Jeffrey; Fisher, Douglas; and Saitta, Lorenza. *Training Issues in Incremental Learning: 1993 Spring Symposium Report*. 14(3): Fall 1993, 37
- Coupling Symbolic and Numerical Computing in Knowledge-Based Systems*. 8(2): Summer 1987, 85-90
- Covington, Michael, *see* Nute, Donald
- Covrigaru, Arie A., and Lindsay, Robert K., *Deterministic Autonomous Systems*. 12(3): Fall 1991, 110-117
- Cox, Preston A., *see* Laffey, Thomas J.
- Coyne, R. D., *Design Reasoning Without Explanations*. 11(4): Winter 1990, 72-80
- Crawford, James; and Hirsh, Haym. *AI and NP-Hard Problems: 1993 Spring Symposium Report*. 14(3): Fall 1993, 33-34
- Creating a Scientific Community at the Interface Between Engineering Design and AI*. 11(4): Winter 1990, 18-22
- Critiquing Human Judgment Using Knowledge-Acquisition Systems*, 11(3): Fall 1990, 60-79
- Cross, Stephen, *see* Milne, Robert
- CRSL: A Language for Classificatory Problem Solving and Uncertainty Handling*. 7(3): August 1986, 66-77
- CSCW '86 Conference Summary Report*. 8(3): Fall 1987, 87-88
- Cunningham, Adam; and Smart, Robert. *Computer-Aided Parts Estimation*. 14(3): Fall 1993, 39-49
- Current Issues in Natural Language Generation: An Overview of the AAAI Workshop on Text Planning and Realization*. 10(3): Fall 1989, 27-29
- Current State of AI: One Man's Opinion, The*. 4(1): Spring 1983, 3-8
- CYC: A Midterm Report*. 11(3): Fall 1990, 32-59
- CYC: Using Common Sense Knowledge to Overcome Brittleness and, Knowledge Acquisition Bottlenecks*. 6(4): Winter 1986, 65-85
- Czerwinski, Mary, *see* Nguyen, Trung
- Dahl, Veronica. *The 1993 International Logic Programming Symposium*. 15(4): Winter 1994, 73
- DAI Workshop Report*. 8(2): Summer 1987, 91-97

- Darden, Lindley. *Viewing the History of Science as Compiled Hindsight*. 8(2): Summer 1987, 33-41
- Dark Ages of AI, The: A Panel Discussion at AAAI-84*. 6(3): Fall 1985, 122-134
- DARPA Santa Cruz Workshop on Planning. 9(2): Spring 1988, 115-131
- Dartnall, Terry, *see* Kim, Steven
- Databases in Large AI Systems*. 10(4): Winter 1989, 17-19
- David, Randall. *Expert Systems: How Far Can They Go? Part One*. 10(1): Spring 1989, 61-67
- Davis, Alvah, *see* Cohen, Paul R.
- Davis, Ernest and Grishman, Ralph. *Artificial Intelligence Research in Progress at the Courant Institute, New York University*. 7(5): Winter 1986, 82-86
- Davis, Larry S., *see* Minker, Jack
- Davis, Randall, *A Tale of Two Knowledge Servers*. 12(3): Fall 1991, 118-120
- Davis, Randall, *see also* American Association for Artificial Intelligence
- Davis, Randall. *Expert Systems: How Far Can They Go? Part Two*. 10(2): Summer 1989, 65-77
- Davis, Randall. *Expert Systems: Where Are We? And Where Do We Go from Here?* 3(2): Spring 1982, 3-22
- Davis, Randall; Shrobe, Howard; and Szolovits, Peter. *What Is a Knowledge Representation?* 14(1): Spring 1993, 17-33
- Day, David, *see* Cohen, Paul R.
- de Garis, Hugo. *What If AI Succeeds? The Rise of the Twenty-First Century Artefact*. 10(2): Summer 1989, 17-22
- de la Maza, Michael. *The Fifth International Conference on Genetic Algorithms*. 15(2): Summer 1994, 83-85
- Dean, Thomas; and Bonasso, R. Peter. *1992 AAAI Robot Exhibition and Competition*. 14(1): Spring 1993, 35-48
- Dean, Tom, *see* Joskowicz, Leo
- Decision Analysis and Expert Systems*. 12(4): Winter 1991, 64-91
- Deep Thought Wins Fredkin Intermediate Prize*. 10(2): Summer 1989, 89-90
- Defense of Reaction Plans as Caches, In*. 10(4): Winter 1989, 51-60
- Design from Physical Principles: A Symposium Report*. 14(1): Spring 1993, 11
- Design Problem Solving: A Task Analysis*. 11(4): Winter 1990, 59-71
- Design Prototypes: A Knowledge Representation Schema for Design*. 11(4): Winter 1990, 26-36
- Design Rationale Capture and Use, The 1992 Workshop*. 14(2): Summer 1993, 24-26
- Designing Conventions for Automated Negotiation*. 15(3): Fall 1994, 29-46
- Designing the 1993 Robot Competition*. 15(1): Spring 1994, 57-62
- desJardins, Marie. *Pagoda: A Model for Autonomous Learning in Probabilistic Domains*. 14(1): Spring 1993, 75-76
- Deterministic Autonomous Systems*. 12(3): Fall 1991, 110-117
- Developing a Knowledge Engineering Capability in the TRW Defense Systems Group*. 6(2): Summer 1985, 58-63
- Development of Commercial Expert Systems, On the*. 5(3): Fall 1984, 61-73
- Dhar, Vasant; Lewis, Barry; and Peters, James. *A Knowledge-Based Model of Audit Risk*. 9(3): Fall 1988, 56-63
- di Piazza, Joseph S., and Helsabeck, Frederick A., *Laps: Cases to Models to Complete Expert Systems*. 11(3): Fall 1990, 80-107
- Dickerson, Donald J., *see* Selfridge, Mallory
- Dickson, Edward M. *Comparing Artificial Intelligence and Genetic Engineering: Commercialization Lessons*. 5(4): Winter 1985, 44-47
- Dietrich, Eric, and Downes, Stephen. *The Second International Workshop on Human and Machine Cognition*. 13(3): Fall 1992, 17-20
- Dietrich, Eric, *see also* Hoffman, Robert R.
- Dietrich, Eric, *The First International Workshop on Human and Machine Cognition, Pensacola, Florida. Topic: The Frame Problem*. 11(5): January 1991, 60-64
- Differing Methodological Perspectives in Artificial Intelligence, Research*. 6(3): Fall 1985, 166-178
- Dimensions of Interaction: AAAI-90 Presidential Address*. 12(3): Fall 1991, 64-80
- Directions in AI Research and Applications at Siemens Corporate Research and Development*. 11(1): Spring, 1990: 20-27
- Discovery and Generation of Certain Heuristics, On the*. 4(1): Spring 1983, 23-33
- Discovery of Chemical Reaction Pathways*. 12(4): Winter 1991, 11-12. Dissertation Abstract
- Distributed Vehicle Monitoring Testbed: A Tool for Investigating, Distributed Problem Solving Networks, The*. 4(3): Fall 1983, 15-33
- Dodhiawala, Rajendra; Jagannathan, Vasudevan; Baum, Larry; and Skillman, Tom. *The First Workshop on Blackboard Systems*. 10(1): Spring 1989, 77-80
- Domain-Based Program Synthesis Using Planning and Derivational Analogy*. 12(3): Fall 1991, 31-33
- Donald A. Waterman 1936-1987. 8(1): Spring 1987, 24-25
- Donald E. Walker: *A Remembrance*. 15(1): Spring 1994, 23-25
- Dorr, Bonnie J. *Building Lexicons for Machine Translation: 1993 Spring Symposium Report*. 14(3): Fall 1993, 35
- Downes, Stephen, *see* Dietrich, Eric
- Doyle, Jon. *Big Problems for Artificial Intelligence*. 9(1): Spring 1988, 19-22
- Doyle, Jon. *Expert Systems Without Computers, or Theory and Trust in Artificial, Intelligence*. 5(2): Summer 1984, 59-63
- Doyle, Jon. *Methodological Simplicity in Expert System Construction: The Case of Judgments and Reasoned Assumptions*. 4(2): Summer 1983, 39-43

- Doyle, Jon. *What Is Rational Psychology? Toward a Modern Mental Philosophy*. 4(3): Fall 1983, 50-53
- Doyle, Jon. *What Should Artificial Intelligence Want from the Supercomputers?* 4(4): Winter 1984, 33-35, 31
- Doyle, Richard J., *National Aeronautics and Space Administration Workshop on Monitoring and Diagnosis*. 13(4): Winter 1992, 13-15
- DRAIR ADVISER: *A Knowledge-Based System of Materiel-Deficiency Analysis*. 15(2): Summer 1994, 67-82
- Drummond, Mark, *see also* Hendler, James; and Lansky, Amy
- Drummond, Mark. *Spring Symposium Report on Practical Approaches to Scheduling and Planning*. 13(3): Fall 1992, 26
- Duda, Richard O., *see* Hart, Peter E.
- Durfee, Edmund, *see* Adler, Mark; and Lessor, Victor R.
- Dyer, Michael G. *Artificial Intelligence Research at the University of California, Los Angeles*. 6(3): Fall 1985, 210-218
- Dyer, Michael G., *see also* Hendler, James
- Dym, Clive L., *see* Mittal, Sanjay
- East Texas State University. 7(1): Spring 1986, 77-78
- Ecclesiastes: *A Report from the Battlefields of the Mind-Body Problem*. 8(3): Fall 1987, 63-69
- Editorial. 11(2): Summer, 1990: 10
- Editorial: *Ontogeny Recapitulates Ontogeny: AI and the AI Magazine*. 13(2): Summer 1992, 12-13
- Eiselt, Kurt P., *see* Goel, Ashok K.
- Elkan, Charles. *Spring Symposium Report on Knowledge Assimilation*. 13(3): Fall 1992, 25-26
- Emergence of Artificial Intelligence: *Learning to Learn, The*. 6(3): Fall 1985, 180-190
- Enabling Technology for Knowledge Sharing. 12(3): Fall 1991, 36-56
- Engel, Bernard A., *see* Stone, Nicholas D.
- Engelmore, Robert S. *Donald A. Waterman 1936-1987*. 8(1): Spring 1987, 24-25
- Engelmore, Robert S. *Editorial*. 11(2): Summer, 1990: 10
- Engelmore, Robert S. *Out of My Mind: An Editorial*. 12(4): Winter 1991, 6
- Engelmore, Robert S. *Reflections on the ARPA Experience*. 3(1): Winter 1981, 11
- Engelmore, Robert S. *see also* Feigenbaum, Edward A.
- Engineering Design through Constraint-Based Reasoning. 14(3): Fall 1993, 100-101
- Epstein, Robert. *The Quest for the Thinking Computer*. 13(2): Summer 1992, 81-95
- Ernst, George W. and Banerji, Ranab. *On the Relationship Between Strong and Weak Problem Solvers*. 4(2): Summer 1983, 25-29
- Essay Concerning Robotic Understanding, An. 11(3): Fall 1990, 12-13
- Estenfeld, Klaus, *see* Buettner, Wolfgang
- Etherington, David W.; and Kautz, Henry A. *The Fourth International Workshop on Nonmonotonic Reasoning*. 15(3): Fall 1994, 83-85
- Etherington, David. *AAAI Workshop on NonMonotonic Reasoning*. 6(2): Summer 1985, 92-93
- Etzioni, Oren. *Intelligence without Robots: A Reply to Brooks*. 14(4): Winter 1993, 7-13
- Evaluating Artificial Intelligence Systems for Medical Diagnosis, On. 4(2): Summer 1983, 34-37, 48
- Evidence Accumulation and Flow of Control in a Hierarchical Spatial Reasoning System. 9(2): Spring 1988, 75-94
- Experience with INTELLECT: *Artificial Intelligence Technology Transfer*. 5(2): Summer 1984, 43-50
- Experimental Comparison of Knowledge Representation Schemes, An. 5(2): Summer 1984, 29-36
- Expert Critics in Engineering Design: *Lessons Learned and Research Needs*. 13(1): Spring 1992, 45-62
- Expert Judgment, Human Error, and Intelligent Systems, Research Work-
- shop on. 14(3): Fall 1993, 23-28
- Expert Systems in Government Administration. 10(1): Spring 1989, 69-71
- Expert Systems Without Computers, or Theory and Trust in Artificial Intelligence. 5(2): Summer 1984, 59-63
- Expert Systems: *How Far Can They Go? Part One*. 10(1): Spring 1989, 61-67
- Expert Systems: *How Far Can They Go? Part Two*. 10(2): Summer 1989, 65-77
- Expert Systems: *Where Are We? And Where Do We Go from Here?* 3(2): Spring 1982, 3-22
- Expertise in Context: *Report on the Third International Workshop on Human and Machine Cognition*. 15(4): Winter 1994, 67-68
- Explanation, The 1988 AAAI Workshop on. 10(3): Fall 1989, 22-26
- Fahlman, Scott. *Computing Facilities for AI: A Survey of Present and Near-Future, Options*. 2(1): Winter 1980, 16-23
- Fairytales. 13(4): Winter 1992, 46-48
- Fall Symposium Report on Discourse Structure in Natural Language Understanding and Generation. 13(1): Spring 1992, 16-18
- Fall Symposium Report on Knowledge and Action at Social and Organizational Levels. 13(1): Spring 1992, 18-19
- Fall Symposium Report on Principles of Hybrid Reasoning. 13(1): Spring 1992, 19-20
- Fall Symposium Report on Sensory Aspects of Robotic Intelligence. 13(1): Spring 1992, 20-21
- Fayyad, Usama; Laird, John E.; and Irani, Keki B. *The Fifth International Conference on Machine Learning*. 10(2): Summer 1989, 79-84
- Feigenbaum, Edward A. *AAAI President's Message*. 2(1): Winter 1980, 1
- Feigenbaum, Edward A., *see also* Nii, H. Penny
- Feigenbaum, Edward A.; Friedland, Peter E.; Johnson, Bruce B.; Nii, H. Penny; Schorr, Herbert; Shrobe, Howard; and Engelmore, Robert S. *Knowledge-Based Systems Research and Applications in Japan, 1992*.

- 15(2): Summer 1994, 29-43
- Feldman, Jerome. *An Essay Concerning Robotic Understanding*. 11(3): Fall 1990, 12-13
- Ferguson, Jerry W. *see* Robey, Brian L.
- Fifth International Conference on Genetic Algorithms, The*. 15(2): Summer 1994, 83-85
- Fifth International Conference on Machine Learning, The*. 10(2): Summer 1989, 79-84
- Fikes, Richard E., *see also* Neches, Robert
- Fikes, Richard E. *A Representation System User Interface for Knowledge Base, Designers*. 3(4): Fall 1982
- Fikes, Richard E. *Minutes of the Fourth Annual Meeting of the American Association, for Artificial Intelligence*. 5(1): Spring 1984, 77
- Findler, Nicholas V., and Sengupta, Uttam. *An Overview of Some Recent and Current Research in the AI Lab at Arizona State University*. 12(3): Fall 1991, 22-29
- Finin, Tim, *see* Neches, Robert
- Fink, Pamela K. *see* Robey, Brian L.
- Firschein, Oscar. *Review of Three-Dimensional Computer Vision*. 9(2): Summer 1988, 136
- First International Workshop on Human and Machine Cognition, The, Pensacola, Florida. Topic: The Frame Problem*. 11(5): January 1991, 60-64
- Fischer, Gerhard. *Knowledge-Based Human-Computer Communication: 1990 Spring Symposium Report*. 11(3): Fall 1990, 30
- Fischer, Olivier. *Cognitively Plausible Heuristics to Tackle the Computational Complexity of Abductive Reasoning*. 13(2): Summer 1992, 46-49
- Fischler, Martin A., *see* Pentland, Alex P.
- Fisher, Douglas, *see* Cornuejols, Antoine
- Fisher, Edward L. *An AI-Based Methodology for Factory Design*. 7(4): Fall 1986, 72-85
- Fisher, Robert B. *Is Computer Vision Still AI?* 15(2): Summer 1994, 21-27
- Flexible, Parallel Generator of Natural Language, A*. 13(1): Spring 1992, 9-10
- Florida AI Research Symposium, The* 1994. 15(4): Winter 1994, 74
- Forbus, Ken. *Intelligent Computer-Aided Engineering*. 9(3): Fall 1988, 23-36
- Ford, Kenneth M., *see* Hayes, Patrick J.
- Foundations and Grand Challenges of Artificial Intelligence: AAAI Presidential Address*. 9(4): Winter 1988, 9-21
- Foundations of Automatic Planning: The Classical Approach and Beyond: 1993 Spring Symposium Report*. 14(3): Fall 1993, 34-35
- Fourth International Symposium on Artificial Intelligence, The*. 13(2): Summer 1992, 43-44
- Fourth International Workshop on Non-monotonic Reasoning, The*. 15(3): Fall 1994, 83-85
- Fox, Barry R, *see* Kempf, Karl
- Fox, Mark S., *see also* Smith, Stephen F.
- Fox, Mark S.; Bartel, Gene; and Moravec, Hans. *Introducing Carnegie-Mellon University's Robotics Institute*. 2(2): Summer 1981, 34-41
- Frail, Robert P., *see* Freedman, Roy S.
- Framework for Representing and Reasoning about Three-Dimensional Objects for Vision, A*. 9(2): Spring 1988, 47-58
- Franier, Richard; Groleau, Nicholas; Hazelton, Lyman; Colombano, Silvano; Compton, Michael; Statler, Irving; Szolovits, Peter; and Young, Laurence. *PI-in-a-Box: A Knowledge-Based System for Space Science Experimentation*. 15(1): Spring 1994, 39-51
- Frank, Steven J. *What AI Practitioners Should Know about the Law, Part One*. 9(1): Spring 1988, 63-75
- Frank, Steven J. *What AI Practitioners Should Know about the Law, Part Two*. 9(2): Spring 1988, 109-114
- Frawley, William and Goyal, Shri. *Artificial Intelligence Research at GTE Laboratories*. 5(3): Fall 1984, 75-77
- Frawley, William J.; Piatetsky-Shapiro, Gregory; and Matheus, Christopher J. *Knowledge Discovery in Databases: An Overview*. 13(3): Fall 1992, 57-70
- Fredkin Challenge Match, The*. 2(2): Summer 1981, 30-33
- Freedman, Roy S. and Frail, Robert P. *OPGEN: The Evolution of an Expert System for Process Planning*. 7(5): Winter 1986, 58-70
- Freiling, Michael; Alexander, Jim; Messick, Steve; Reh fuss, Stefe; and Shulman, Sherri. *Starting a Knowledge Engineering Project: A Step-By-Step Approach*. 6(3): Fall 1985, 150-164
- Friedenberg, Richard A. and Hensler, Ralph L. *Strategy and Business Planning for Artificial Intelligence Companies: A Guide for Entrepreneurs*. 7(3): August 1986, 111-118
- Friedland, Peter E. *see* Feigenbaum, Edward A.
- Friedman, Leonard. *Research at Jet Propulsion Laboratory*. 4(4): Winter 1983, 58-59
- Friesen, Oris D. and Golshani, Forouzan. *Databases in Large AI Systems*. 10(4): Winter 1989, 17-19
- Frisch, Alan M., and Cohn, Anthony G., *Thoughts and Afterthoughts on the 1988 Workshop on Principles of Hybrid Reasoning*. 11(5): January 1991, 77-83
- Frisch, Alan M., and Scherl, Richard B., *A Bibliography on Hybrid Reasoning*. 11(5): January 1991, 84-87
- Frisch, Alan M. *Fall Symposium Report on Principles of Hybrid Reasoning*. 13(1): Spring 1992, 19-20
- From Guidon to Neomycin and Heracles in Twenty Short Lessons*. 7(3): August 1986, 40-60
- From Society to Landscape: Alternative Metaphors for Artificial Intelligence*. 12(2): Summer 1991, 69-83
- Frontiers in Run-Time Prediction for the Production-System Paradigm*. 15(3): Fall 1994, 47-61
- Full-Sized Knowledge-Based Systems Research Workshop*. 11(5): January 1991, 788-94
- Functional Categorization of Knowledge:*

- Applications in Modeling Scientific Research and Discovery*. 13(1): Spring 1992, 11-12
- Futrelle, Robert P. *Paradigms of Artificial Intelligence Programming: Case Studies in Common Lisp—A Review*
- Future Directions in Natural Language Processing: The Bolt Beranek and Newman Natural Language Symposium*. 11(2): Summer, 1990: 12-14
- Gaines, Brian. *Spring Symposium Report on Cognitive Aspects of Knowledge Acquisition*. 13(3): Fall 1992, 24
- Gale, William A. and Pregibon, Daryl. *Artificial Intelligence Research in Statistics*. 5(4): Winter 1985, 72-75
- Gale, William A., *see also* Goldman, Robert P.
- Gardens of Learning, The: A Vision for AI*. 14(2): Summer 1993, 36-48
- Gardner, Ann V. D. L. *Search: An Overview*. 2(1): Winter 1980, 2-6, 23
- Gasser, Les, *see also* Agre, Phil
- Gasser, Les. 1985, *DAI Workshop Report*. 8(2): Summer 1987, 91-97
- Gat, Erann, *see also* Nourbakhsh, Illah
- Gat, Erann. *On the Role of Stored Internal State in the Control of Autonomous Mobile Robots*. 14(1): Spring 1993, 64-73
- Gat, Erann; Slack, Marc; Kak, Avi; and Chien, Steve. *Applications of AI to Real-World Autonomous Mobile Robots: A Symposium Report*. 14(1): Spring 1993, 10-11
- Geller, James. *Innovative Applications of Massive Parallelism: 1993 Spring Symposium Report*. 14(3): Fall 1993, 36
- Genesereth, Michael, *see* Mazzetti, Claudia
- Gero, John S. *Design Prototypes: A Knowledge Representation Schema for Design*. 11(4): Winter 1990, 26-36
- Gerring, Phillip E.; Shortliffe, Edward H.; and van Melle, William. *Interviewer/Reasoner Model: An Approach to Improving System Responsiveness in Interactive AI Systems*. 3(4): Fall 1982, 24-27
- Ghandchi, Hassan and Ghandchi, Jean. *Intelligent Tools: The Cornerstone of a New Civilization*. 6(3): Fall 1985, 102-106
- Ghandchi, Jean, *see* Ghandchi, Hassan
- Gibbons, James, *see* Lenat, Douglas B.
- Ginsberg Replies to Chapman and Schoppers*. 10(4): Winter 1989, 61-62
- Ginsberg, Matthew L. *Ginsberg Replies to Chapman and Schoppers*. 10(4): Winter 1989, 61-62
- Ginsberg, Matthew L. *Universal Planning: An (Almost) Universally Bad Idea*. 10(4): Winter 1989, 40-44
- Ginsberg, Matthew L., *Knowledge Interchange Format: the KIF of Death*. 12(3): Fall 1991, 57-63
- Gladwin, Lee A., *Review of Models of My Life*. 13(3): Fall 1992, 89-90
- Gladwin, Lee A., *Review of Representation and Reality*. 11(1): Spring, 1990: 100-101
- Gladwin, Lee A., *Review of the Philosophy of Intelligence*. 14(2): Summer 1993, 67-68
- Glasgow, John C. Yanli: *A Powerful Natural Language Front-End Tool*. 8(1): Spring 1987, 40-48
- Goal-Driven Learning: Fundamental Issues: A Symposium Report*. 14(4): Winter 1993, 67-72
- Goebel, Randy, and Cantu-Ortiz, Francisco J. *The Fourth International Symposium on Artificial Intelligence*. 13(2): Summer 1992, 43-44
- Goel, Ashok K. *Integrating Case-Based and Model-Based Reasoning: A Computational Model of Design Problem Solving*. 13(2): Summer 1992, 50-54
- Goel, Ashok K., Arkin, Ronald C., Eiselt, Kurt P., Kolodner, Janet L., Lawton, Daryl T., and Ram, Ashwin. *Basic Artificial Intelligence Research at the Georgia Institute of Technology*. 12(2): Summer 1991, 17-32
- Goel, Ashok K., *see also* Chandrasekaran, B.
- Goel, Vinod and Pirolli, Peter. *Motivating the Notion of Generic Design within Information-Processing Theory: The Design Problem Space*. 10(1): Spring 1989, 19-36
- Goldman, Robert P. *Intentions in Communication: A Review*. 12(4): Winter 1991, 90-96
- Goldman, Robert P.; Charniak, Eugene; Gale, William; and Norvig, Peter. *Probabilistic Approaches to Natural Language: A Symposium Report*. 14(1): Spring 1993, 14
- Goldman, Sally, *see* Cornuejols, Antoine
- Goldszmidt, Moises. *Research Issues in Qualitative and Abstract Probability*. 15(4): Winter 1994, 63-65
- Golshani, Forouzan, *see* Friesen, Oris D.
- Gomez, Rebecca, *see* Wilks, Yorick
- Goodridge, Steven, *see* Nourbakhsh, Illah
- Gossard, David, *see* Sriram, Duvvuru
- Goyal, Shri, *see* Frawley, William
- Graduate Level Expert Systems Course*, A. 8(3): Fall 1987, 33-39
- Great 1980s AI Bubble: A Review of The Brain Makers, The*. 15(3): Fall 1994, 86-87
- Green Engineering AI Tools Benefit the Environment*. 14(4): Winter 1993, 5-6
- Greenberg, Michael L., *see* Cohen, Paul R.
- Griesmer, James, *see* Kastner, John
- Grinberg, Milton R., *see* Cohen, Paul R.
- Grishman, Ralph, *see* Davis, Ernest
- Groleau, Nicholas *see* Franier, Richard; and Sriram, Duvvuru
- Groleau, Nicholas. *Model-Based Scientific Discovery: A Study in Space Bioengineering*. 15(2): Summer 1994, 89-91
- Grossberg, Stephen. *Review of Perceptrons*. 10(2): Summer 1989, 91-92
- Grosz, Barbara J. *Utterance and Objective: Issues in Natural Language Communication* 1(1): Spring 1980, 11-20
- Grosz, Barbara, *see also* American Association for Artificial Intelligence
- Grosz, Barbara; and Hobbs, Jerry R.

- Donald E. Walker: *A Remembrance*. 15(1): Spring 1994, 23-25
- Group Theoretic Approach to Assembly Planning, A. 11(1): Spring, 1990: 82-97
- Gruber, Thomas, *see* Neches, Robert
- Guarino, Nicola, *see* Patel-Schneider, Peter F.
- Guha, R. V., and Lenat, Douglas B. *CYC: A Midterm Report*. 11(3): Fall 1990, 32-59
- Guided Tour of Computer Vision, A: A Review. 15(4): Winter 1994, 75-76
- Gunderson, Alan, *see* Rewari, Anil
- Guoning, Song, *see* Xinsong, Jiang
- Hadavi, Khosrow; Hsu, Wen-Ling; Chen, Tony; and Lee, Cheoung-Nam. *An Architecture for Real-Time Distributed Scheduling*. 13(3): Fall 1992, 46-56
- Hall, Rogers P. and Kibler, Dennis F. *Differing Methodological Perspectives in Artificial Intelligence, Research*. 6(3): Fall 1985, 166-178
- Hamscher, Walter. *AI in Business-Process Reengineering*. 15(4): Winter 1994, 71-72
- Hamscher, Walter. *Principles of Diagnosis: Current Trends and a Report on the First International Workshop*. 12(4): Winter 1991, 15-23
- Hanks, Steve; Pollack, Martha E.; and Cohen, Paul R. *Benchmarks, Test Beds, Controlled Experimentation, and the Design of Agent Architectures*. 14(4): Winter 1993, 17-42
- Hardt, Shoshana L. and Rapaport, William J. *Recent and Current Artificial Intelligence Research in the Department of Computer Science SUNY at Buffalo*. 7(2): Summer 1986, 91-100
- Harris, Larry R. *Experience with INTELLECT: Artificial Intelligence Technology Transfer*. 5(2): Summer 1984, 43-50
- Harsh, Potlapalli, *see* Nourbakhsh, Illah
- Hart, David M., *see* Cohen, Paul R.
- Hart, Peter E. *Artificial Intelligence in Transition*. 5(3): Fall 1984, 17-20
- Hart, Peter E.; Barzilay, Amos; and Duda, Richard O. *Qualitative Reasoning for Financial Assessments: A Prospectus*. 7(1): Spring 1986, 62-68
- Hart, Peter; Sacerdoti, Earl, Untulis, Charles. *Research in Progress at the Artificial Intelligence Center, SRI, International*. 1(1): Spring 1980, 30-31
- Hatzilygeroudis, Ioannis. *IJCAI-91 Workshop on Objects and Artificial Intelligence*. 15(2): Summer 1994, 86-87
- Hayes, Patrick J.; Ford, Kenneth M.; Agnew, Neil. *On Babies and Bathwater: A Cautionary Tale*. 15(4): Winter 1994, 14-27
- Hazelton, Lyman *see* Franier, Richard
- Healey, Kathleen Jurica *Artificial Intelligence Research and Applications at the NASA Johnson, Space Center: Part One*. 7(2): Summer 1986, 101-115
- Healey, Kathleen Jurica. *Artificial Intelligence Research and Applications at the NASA Johnson, Space Center, Part Two*. 7(3): August 1986, 146-152
- Hearst, Marti A. *A Review of Statistical Language Learning*. 15(3): Fall 1994, 88
- Heckerman, David, *see* Schachter, Ross D.
- Hedberg, Sara. *Green Engineering AI Tools Benefit the Environment*. 14(4): Winter 1993, 5-6
- Hedberg, Sara. *The Applied AI Business*. 14(3): Fall 1993, 18-22
- Helsabeck, Frederick A., *see* de Piazza, Joseph S.
- Hendler, James, Tate, Austin, and Drummond, Mark. *AI Planning: Systems and Techniques*. 11(2): Summer, 1990: 61-77
- Hendler, James; Chandrasekaran, B.; Adelson, Beth; Alterman, Richard; Bylander, Tom; and Dyer, Michael. *Theoretical Issues in Conceptual Information Processing*. 9(4): Winter 1988, 71-76
- Henrion, Max; Breese, John S.; and Horvitz, Eric J. *Decision Analysis and Expert Systems*. 12(4): Winter 1991, 64-91
- Hensler, Ralph L., *see* Freidenberg, Richard A.
- Herman, Martin, *see* Walker, Ellen
- Heuristic Programming Project. *Artificial Intelligence Research in the Heuristic Programming Project*. 4(3): Fall 1983, 81-92
- Heuristic Programming Project. *Research in Progress at the Heuristic Programming Project, Stanford University*. 1(1): Spring 1980, 25-30
- Heuristic Search for New Microcircuit Structures: An Application of Artificial Intelligence. 3(3): Summer 1982, 17-33
- High-Level Connectionist Models. 9(4): Winter 1988, 65-69
- High-Road and Low-Road Programs. 3(1): Winter 1981, 21-22
- Hill, William C. *The Mind at AI: Horseless Carriage to Clock*. 10(2): Summer 1989, 29-41
- Hink, Robert F. *How Humans Process Uncertain Knowledge: An Introduction*. 8(3): Fall 1987, 41-53
- Hinkle, David, *see* Nourbakhsh, Illah
- Hirsch, Haym, *see* Crawford, James
- Hirschberg, Julia, and Litman, Diane. *Fall Symposium Report on Discourse Structure in Natural Language Understanding and Generation*. 13(1): Spring 1992, 16-18
- History of Artificial Intelligence at Rutgers, The. 6(3): Fall 1985, 192-202
- Hitech Becomes First Computer Senior Master. 9(3): Fall 1988, 85-87
- Hitech Defeats Denker in AGS Challenge Match. 10(1): Spring 1989, 83-84
- Hitech Wins Chess Tourney. 8(4): Winter 1987, 101-102
- Hobbs, Jerry R., *see* Grosz, Barbara
- Hoffman, Robert R. *The 1994 Florida AI Research Symposium*. 15(4): Winter 1994, 74
- Hoffman, Achim. *Review of Machine Intelligence: A Critique of Arguments Against the Possibility of Artificial Intelligence*. 11(4): Winter 1990, 95
- Hoffman, Robert R. and Dietrich, Eric. *Expertise in Context: Report on the Third International Workshop on Human and Machine Cognition*. 15(4): Winter 1994, 67-68

- Hoffman, Robert R. *The Problem of Extracting the Knowledge of Experts from the Perspective of Experimental Psychology*. 8(2): Summer 1987, 53-67
- Hoist: *A Second-Generation Expert System Based on Qualitative Physics*. 11(3): Fall 1990, 108-119
- Hollan, James D.; Hutchins, Edwin L.; and Weitzman, Louis. *STEAMER: An Interactive Inspectable Simulation-Based Training System*. 5(2): Summer 1984, 15-27
- Homem de Mello, Luis S., see Sanderson, Arthur C.
- Horty, John; and Shoham, Yoav. *Reasoning about Mental States: 1993 Spring Symposium Report*. 14(3): Fall 1993, 36-37
- Horvitz, Eric J., see Henrion, Max
- Hovy, Eduard H.; McDonald, David D.; and Young, Sheryl R. *Current Issues in Natural Language Generation: An Overview of the AAAI Workshop on Text Planning and Realization*. 10(3): Fall 1989, 27-29
- How Do Symbols and Networks Fit Together*. 14(2): Summer 1993, 20-23
- How Evaluation Guides AI Research: The Message Still Counts More than the Medium*. 9(4): Winter 1988, 35-43
- How Humans Process Uncertain Knowledge: An Introduction*. 8(3): Fall 1987, 41-53
- How to Get the Most Out of IJCAI-83*. 4(1): Spring 1983, 35-36
- Howe, Adele E., see Cohen, Paul R.
- Hsu, Wen-Ling, see Hadavi, Khosrow
- Huber, Marcus, see Congdon, Clare
- Huhns, Michael, see Adler, Mark
- Hull, Jonathan J., see Srihari, Sargur N.
- Humans That Think: A Future Triologue*. 4(3): Fall 1983, 35
- Hunter, Lawrence. *Artificial Intelligence and Molecular Biology*. 11(5): January 1991, 27-36
- Hunter, Lawrence. *AI and Molecular Biology: 1990 Spring Symposium Report*. 11(3): Fall 1990, 27
- Hutchins, Edwin L., see Hollan, James
- Hutchinson, Seth A., and Kak, Avinash C. *Spar: A Planner that Satisfies Operational and Geometric Goals in Uncertain Environments*. 11(1): Spring 1990, 30-61
- Hypothesis Formation and Qualitative Reasoning in Molecular Biology*. 11(4): Winter 1990, 9-10
- I Had a Dream: AAAI Presidential Address*. 7(1): Spring 1986, 57-61
- I Lied About the Trees, Or, Defaults and Definitions in Knowledge Representation*. 6(3): Fall 1985, 80-93
- Ihara, Hirokazu, see Niwa, Kiyoshi
- IJCAI Policy on Multiple Publication of Papers*. 10(1): Spring 1989, 73-75
- IJCAI-91 Workshop on Objects and Artificial Intelligence*. 15(2): Summer 1994, 86-87
- Improving Human Decision Making through Case-Based Decision Aiding*. 12(2): Summer 1991, 52-68
- Industrialization of Artificial Intelligence: From By-Line to Bottom Line, The*. 5(2): Summer 1984, 51-57
- Information Sciences Institute. *Research in Progress at the Information Sciences Institute, University of Southern California*. 1(1): Spring 1980, 22-25
- Innovative Applications of Massive Parallelism: 1993 Spring Symposium Report*, see Geller, James
- Integrating Case-Based and Model-Based Reasoning: A Computational Model of Design Problem Solving*. 13(2): Summer 1992, 50-54
- Integration of Problem-Solving Techniques in Agriculture*. 10(2): Summer 1989, 85-87
- Intelligence without Robots: A Reply to Brooks*. 14(4): Winter 1993, 7-13
- Intelligence, Artificial and Otherwise*. 5(4): Winter 1985, 22-25
- Intelligent Computer-Aided Engineering*. 9(3): Fall 1988, 23-36
- Intelligent Hand, The: An Experimental Approach to Human-Object Recognition and Implications for Robotics and AI*. 15(1): Spring 1994, 26-38
- Intelligent Multimedia Interfaces*. 13(2): Summer 1992, 35-37
- Intelligent Path Prediction for Vehicular Travel*. 15(1): Spring 1994, 67-68
- Intelligent Scientific Computation: A Symposium Report*. 14(1): Spring 1993, 11-12
- Intelligent Tools: The Cornerstone of a New Civilization*. 6(3): Fall 1985, 102-106
- Intelligent-Machine Research at CESAR*. 8(1): Spring 1987, 62-74
- Intentions in Communication: A Review*. 12(4): Winter 1991, 90-96
- Interface Requirements for Expert Systems, On*. 10(3): Fall 1989, 66-78
- International Workshop on Processing Declarative Knowledge*. 13(1): Spring 1992, 27, 30
- Interviewer/Reasoner Model: An Approach to Improving System Responsiveness in Interactive AI Systems*. 3(4): Fall 1982, 24-27
- Introducing Carnegie-Mellon University's Robotics Institute*. 2(2): Summer 1981, 34-41
- Introduction to the COMTEX Microfiche Edition of Memos from the, Stanford University Artificial Intelligence Laboratory*. 4(4): Winter 1983, 37-41
- Introduction to the COMTEX Microfiche Edition of Reports on Artificial Intelligence from Carnegie-Mellon University*. 5(3): Fall 1984, 35-39
- Introduction to the COMTEX Microfiche Edition of the Early MIT, Artificial Intelligence Memo*. 4(1): Spring 1983, 19-22
- Introduction to the COMTEX Microfiche Edition of the SRI Artificial Intelligence Center: Technical Notes*. 5(1): Spring 1984, 41-52
- Investigation of AI and Expert Systems Literature, An: 1980-1984*. 10(2): Summer 1989, 53-61
- Irani, Keki B., see Fayyad, Usama
- Is Computer Vision Still AI?* 15(2): Summer 1994, 21-27
- Ishida, Toru, and Tambe, Miland. *Advances in Interfacing Production Systems with the Real World*. 13(1): Spring 1992, 25-26
- Issues in Description Logics: Users Meet*

- Developers—A Symposium Report. 14(1): Spring 1993, 12-13.
- Iwasaki, Yumi, *see* Chandrasekaran, B.
- Iyengar, S, and Thomas, Daryl. *Autonomous Mobile Robot Research at Louisiana State University's Robotics Research Laboratory*. 13(2): Summer 1992, 25-32
- Jabri, Marwain A. *Review of Design Automation: Automated Full-Custom VLSI Layout Using the Ulysses Design Environment*. 10(4): Winter 1989, 66-67
- Jacobs, Paul S., *Text-Based Intelligent Systems: 1990 Spring Symposium Report*. 11(3): Fall 1990, 30-31
- Jacobson, Howard E. *Research and Development Cooperation in Artificial Intelligence: Report on the U. S. and Japanese Panel, IJCAI-85*. 7(2): Summer 1986, 65-69
- Jagannathan, Vasudevan, *see* Dodhiawala, Rajendra
- Jennings, Nick R. *Coordination through Joint Intentions in Industrial Multiagent Systems*. 14(4): Winter 1993, 79-80
- Johnson, Bruce B. *see* Feigenbaum, Edward A.
- Joskowicz, Leo; Williams, Brian; Cagan, Jon; and Dean, Tom. *Design from Physical Principles: A Symposium Report*. 14(1): Spring 1993, 11
- Jung, Ken, *see also* Nourbakhsh, Illah
- Jung, Ken; and Van Vactor, David. *The Winning Robots from the 1993 Robot Competition*. 14(4): Winter 1993, 51-62
- Juristo, Natalia *see* Alonso, Fernando
- Kadie, Carl. *Robot-Building Lab and Contest at the 1993 National AI Conference*. 14(4): Winter 1993, 73-77
- Kahn, Kenneth M. *Concurrent Logic Programming, Metaprogramming, and Open Systems*. 9(1): Spring 1988, 115-116
- Kahn, Kenneth M. *Partial Evaluation, Programming Methodology, and Artificial Intelligence*. 5(1): Spring 1984, 53-57
- Kahn, Michael G. *Spring Symposium Report on Artificial Intelligence in Medicine*. 13(3): Fall 1992, 22-23
- Kahn, Philip, *see* Lim, William
- Kaindl, Hermann; *Minimaxing: Theory and Practice*. 9(3): Fall 1988, 69-76
- Kak, Avi and Address, K. M. *Evidence Accumulation and Flow of Control in a Hierarchical Spatial Reasoning System*. 9(2): Spring 1988, 75-94
- Kak, Avinash C. *Fall Symposium Report on Sensory Aspects of Robotic Intelligence*. 13(1): Spring 1992, 20-21
- Kak, Avinash C. *Robotic Assembly and Task Planning*. 11(1): Spring, 1990: 9, 11
- Kak, Avinash C. *Spatial Reasoning Editorial*. 9(2): Spring 1988
- Kak, Avinash C., *see also* Gat, Erann; and Hutchinson, Seth A.
- Kambhampati, Subbarao, *see also* Lansky, Amy
- Kambhampati, Subbarao. *Spring Symposium Report on Computational Considerations in Supporting Incremental Modification and Reuse*. 13(3): Fall 1992, 24-25
- Kanade, Takeo, *see* Walker, Ellen Lowenfeld
- Kant, Elaine; Keller, Richard; and Steinberg, Stanley. *Intelligent Scientific Computation: A Symposium Report*. 14(1): Spring 1993, 11-12
- Kao, Simon M., *see* Laffey, Thomas J.
- Kaplan, Jerrold. *The Industrialization of Artificial Intelligence: From By-Line to Bottom Line*. 5(2): Summer 1984, 51-57
- Karp, Peter D. *Hypothesis Formation and Qualitative Reasoning in Molecular Biology*. 11(4): Winter 1990, 9-10
- Kastner, John; Apte, Chidanand; and Griesmer, James. *A Knowledge-Based Consultant for Financial Marketing*. 7(5): Winter 1986, 71-79
- Katke, William. *Learning Language Using a Pattern Recognition Approach*. 6(1): Spring 1985, 64-73
- Katz, Joseph L. *Artificial Intelligence at MITRE*. 6(3): Fall 1985, 228-232
- Kautz, Henry A, *see* Etherington, David W.
- KBEmacs: *Where's the AI?* 7(1): Spring 1986, 47-56
- KDD-93: *Progress and Challenges in Knowledge Discovery in Databases*. 15(3): Fall 1994, 77-82
- Kehler, Thomas P., *see* Kunz, John C.
- Keller, Richard, *see* Kant, Elaine
- Kempf, Karl, Le Pape, Claude, Smith, Stephen F., and Fox, Barry R., *Issues in the Design of AI-Based Schedulers: A Workshop Report*. 11(5): January 1991, 37-46
- Kempf, Karl, Russell, Bruce, Sidhu, Sanjiv, and Barrett, Stu. *AI-Based Schedulers in Manufacturing Practice: Report of a Panel Discussion*. 11(5): January 1991, 46-55
- Kibler, Dennis F., *see* Hall, Rogers P.
- Kicking the Sensing Habit*. 14(1): Spring 1993, 58-59
- Kim, Steven; Dartnall, Terry; Sudweeks, Fay. *AI and Creativity: 1993 Spring Symposium Report*. 14(3): Fall 1993, 32
- Kitzmler, C. T.; Kowalik, Janusz S. *Coupling Symbolic and Numerical Computing in Knowledge-Based Systems*. 8(2): Summer 1987, 85-90
- Kjeldsen, Rick, *see* Cohen, Paul R.
- Klahr, Philip and Waterman, Donald A. *Artificial Intelligence: A Rand Perspective*. 7(2): Summer 1986, 54-64
- Klatzky, Roberta L., *see* Lederman, Susan J.
- Knowledge Acquisition from Multiple Experts*. 6(2): Summer 1985, 32-36
- Knowledge Acquisition in the Development of a Large Expert System*. 8(2): Summer 1987, 43-51
- Knowledge and Experience in Artificial Intelligence*. 6(1): Spring 1985, 40-42
- Knowledge Discovery in Databases: An Overview*. 13(3): Fall 1992, 57-70
- Knowledge Discovery in Real Databases: A Report on the IJCAI-89 Workshop*. 11(5): January 1991, 68-70
- Knowledge Interchange Format: the KIF of Death*. 12(3): Fall 1991, 57-63
- Knowledge Level, The: Presidential Address*. 2(2): Summer 1981, 1-20, 33

- Knowledge Programming in Loops*. 4(3): Fall 1983, 3-13
- Knowledge Representation in Sanskrit and Artificial Intelligence*. 6(1): Spring 1985, 32-39
- Knowledge System that Integrates Heterogeneous Software for a Design, Application*, A. 7(2): Summer 1986, 80-84
- Knowledge-Based Computer System Development Program of India, The: A Review*. 12(2): Summer 1991, 33
- Knowledge-Based Configurator that Supports Sales, Engineering, and Manufacturing at AT&T Network Systems*, A. 14(3): Fall 1993, 69-80
- Knowledge-Based Consultant for Financial Marketing*, A. 7(5): Winter 1986, 71-79
- Knowledge-Based Environments for Teaching and Learning*. 11(5): January 1991, 74-77
- Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report*. 11(3): Fall 1990, 29-30
- Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report*. 11(3): Fall 1990, 29-30
- Knowledge-Based Human-Computer Communication: 1990 Spring Symposium Report*. 11(3): Fall 1990, 30
- Knowledge-Based System Applications in Engineering Design: Research at MIT*. 10(3): Fall 1989, 79-96
- Knowledge-Based Systems in Agriculture and Natural Resource Management*. 11(3): Fall 1990, 20-22
- Knowledge-Based Systems Research and Applications in Japan*, 1992. 15(2): Summer 1994, 29-43
- Kobsa, Alfred, *see* Patel-Schneider, Peter F.
- Kocabas, Sakir, *Functional Categorization of Knowledge: Applications in Modeling Scientific Research and Discovery*. 13(1): Spring 1992, 11-12
- Koji, Sasaki, *see* Niwa, Kiyoshi
- Kolodneer, Janet L. *Improving Human Decision Making through Case-Based Decision Aiding*. 12(2): Summer 1991, 52-68
- Kolodner, Janet L., *see also* Goel, Ashok K.
- Konolige, Kurt, *see also* Congdon, Clare
- Konolige, Kurt. *Designing the 1993 Robot Competition*. 15(1): Spring 1994, 57-62
- Kort, Barry. *Networks and Learning: MIT Industrial Liaison Program*. 11(3): Fall 1990, 16-19
- Kortenkamp, David, *see* Congdon, Clare
- Kowalik, Janusz S., *see* Kitzmiller, C. T.
- Kowalski, Allan; Bouchard, Diana; Allen, Lawrence; Larin, Yves; and Vadas, Oliver. *Pitch Expert: A Problem—Solving System for Kraft Mills*. 14(3): Fall 1993, 81-99
- Kramer, Bryan M. *Review of Expert Systems: Techniques, Tools, and Applications*. 9(1): Spring 1988, 123-124
- Krasner, Herb. *CSCW '86 Conference Summary Report*. 8(3): Fall 1987, 87-88
- Krozel, Jimmy. *Intelligent Path Prediction for Vehicular Travel*. 15(1): Spring 1994, 67-68
- Kuipers, Benjamin, *see* Levitt, Tod
- Kuman, Deepak, *see* Shapiro, Stuart C.
- Kumar, Vipin. *Algorithms for Constraint-Satisfaction Problems: A Survey*. 13(1): Spring 1992, 32-44
- Kunz, John C.; Kehler, Thomas P.; and Williams, Michael D. *Applications Development Using a Hybrid Artificial Intelligence, Development System*. 5(3): Fall 1984, 41-54
- Kvetoslav "Slava" Prazdny. 8(4): Winter 1987, 105
- LaChat, Michael R. *Artificial Intelligence and Ethics: An Exercise in the Moral Imagination*. 7(2): Summer 1986, 70-79
- Lacy, Mark E. *Review of Artificial Intelligence, Simulation, and Modeling*. 12(1): Spring 1991, 100-101
- Lacy, Mark. *Artificial Laboratories*. 10(2): Summer 1989, 43-48
- Lacy, Mark. *Review of Alternate Realities: Mathematical Models of Nature and Man*. 11(2): Summer, 1990: 78-79
- Laffey, Thomas J.; Cox, Preston A.; Schmidt, James L.; Kao, Simon M.; and Read, Jackson Y. *Real-Time Knowledge-Based Systems*. 9(1): Spring 1988
- Laffey, Thomas J.; Perkins, Walton A.; Pecora, Deanne; and Nguyen, Tin A. *Checking a Knowledge-Based System for Consistency and Completeness*. 8(2): Summer 1987, 69-75
- Laird, John E., and Rosenbloom, Paul S. *In Pursuit of Mind: The Research of Allen Newell*. 13(4): Winter 1992, 17-45
- Laird, John E., *see also* Fayyad, Usama
- Lake, Robert, *see* Schaeffer, Jonathan
- Lander, Susan, *see* Cohen, Paul R.
- Landweber, Lawrence H. *The Computer Science Network*. 3(4): Fall 1982, 40-41
- Langley, Pat, *see* Sleeman, Derek
- Langlotz, Curtis and Shortliffe, Edward H. *Logic and Decision-Theoretic Methods for Planning under Uncertainty*. 10(1): Spring 1989, 39-47
- Lansky, Amy; Drummond, Mark; Kambhampati, Subbarao; Pednault, Ed; and Yang, Qiang. *Foundations of Automatic Planning: The Classical Approach and Beyond: 1993 Spring Symposium Report*. 14(3): Fall 1993, 34-35
- Laps: Cases to Models to Complete Expert Systems*. 11(3): Fall 1990, 80-107
- Laske, Otto, *see* Minsky, Marvin
- Laurent, Jean-Pierre. *Artificial Intelligence Research in France*. 6(1): Spring 1985, 22-30
- Lawton, Daryl T., *see* Goel, Ashok K.
- Le Pape, Claude, *see* Kempf, Karl
- Leake, David and Ram, Ashwin. *Goal-Driven Learning: Fundamental Issues: A Symposium Report*. 14(4): Winter 1993, 67-72
- Learning from Solution Paths: An Approach to the Credit Assignment Problem*. 3(2): Spring 1982, 48-52
- Learning Language Using a Pattern*

- Recognition Approach*. 6(1): Spring 1985, 64-73
- Least Commitment Planning, An Introduction to*. 15(4): Winter 1994, 27-62
- Lederman, Susan J.; and Klatzky, Roberta L. *The Intelligent Hand: An Experimental Approach to Human-Object Recognition and Implications for Robotics and AI*. 15(1): Spring 1994, 26-38
- Lee, Cheoung-Nam, *see* Hadavi, Khosrow
- Lee, Dan, *see* Nguyen, Trung
- Lee, Jintae. *The 1992 Workshop on Design Rationale Capture and Use*. 14(2): Summer 1993, 24-26
- Lehnert, Wendy, and Sundheim, Beth, *A Performance Evaluation of Text-Analysis Technologies*. 12(3): Fall 1991, 81-94
- Lehnert, Wendy, *Case-Based Reasoning: 1990 Spring Symposium Report*. 11(3): Fall 1990, 29
- Lenat, Douglas B., *see also* Guha, R. V.
- Lenat, Douglas B.; Prakash, Mayank; and Shepherd, Mary. *CYC: Using Common Sense Knowledge to Overcome Brittleness and, Knowledge Acquisition Bottlenecks*. 6(4): Winter 1986, 65-85
- Lenat, Douglas B.; Sutherland, William R.; and Gibbons, James. *Heuristic Search for New Microcircuit Structures: An Application of Artificial Intelligence*. 3(3): Summer 1982, 17-33
- Leonard, Lisa, *see* Burton, Stu
- Lesser, Victor R. *Artificial Intelligence and Brain-Theory Research at Computer and, Information Science Department, University of Massachusetts*. 3(1): Winter 1981, 16-20
- Lesser, Victor R., *see also* Conway, Lynn
- Lesser, Victor R.; Pavlin, Jasmina; and Durfee, Edmund. *Approximate Processing in Real-Time Problem Solving*. 9(1): Spring 1988,
- Letovsky, Stanley. *Ecclesiastes: A Report from the Battlefields of the Mind-Body Problem*. 8(3): Fall 1987, 63-69
- Levine, Ken, *Review of Building Large Knowledge-Based Systems*. 11(3): Fall 1990, 126-127
- Levitt, Tod and Kuipers, Benjamin. *Navigation and Mapping in Large Scale Space*. 9(2): Spring 1988, 25-43
- Levitt, Tod. *Uncertainty in Artificial Intelligence*. 9(4): Winter 1988, 77-78
- Lewis, Barry, *see* Dhar, Vasant
- Liffick, Blaise W. *The Third International Conference on Artificial Intelligence and, Education*. 8(4): Winter 1987, 97-99
- Lim, William; Kahn, Philip; Weinshall, Daphna; Blake, Andrew. *AAAI-90 Workshop on Qualitative Vision*. 12(4): Winter 1991, 25-27
- Lindsay, Robert K. *Artificial Intelligence Research at the University of Michigan*. 6(2): Summer 1985, 64-72
- Lindsay, Robert K., *see also* Covrigaru, Arie A.
- Lisp-Based Programming System with Data Abstraction, A*. 4(3): Fall 1983, 37-47, 53
- Litman, Diane, *see* Hirschberg, Julia
- Liu, Yanxi, *see* Popplestone, Robin J.
- Liu, Zheng-Yang. *Qualitative Reasoning about Physical Systems with Multiple Perspective*. 14(1): Spring 1993, 77-79
- Logcher, Robert, *see* Sriram, Duvvuru
- Logic and Decision-Theoretic Methods for Planning under Uncertainty*. 10(1): Spring 1989, 39-47
- Logic Programming Symposium, The 1993 International*. 15(4): Winter 1994, 73
- Logical Versus Analogical or Symbolic Versus Connectionist or Neat Versus Scruffy*. 12(2): Summer 1991, 34-51
- Loiselle, Cynthia, *see* Cohen, Paul R.
- Long-Term Effects of Secondary Sensing, The*. 15(1): Spring 1994, 52-56
- Loui, R. P., *Workshop on Defeasible Reasoning with Specificity and Multiple Inheritance*. 11(5): January 1991, 65-67
- Lowry, Michael R. *Software Engineering in the Twenty-First Century*. 13(3): Fall 1992, 71-87
- Lu, Paul, *see* Schaeffer, Jonathan
- Lynch, Frank; Marshall, Charles; and O'Connor, Dennis. *AI in Manufacturing at Digital*. 7(5): Winter 1986, 53-57
- MacGregor, Robert, *see also* Patel-Schneider, Peter F
- MacGregor, Robert; Mays, Eric; McGuinness, Deborah; and Russ, Tom. *Issues in Description Logics: Users Meet Developers—A Symposium Report*. 14(1): Spring 1993, 12-13
- Machine Learning, The Ninth International Conference on*. 14(2): Summer 1993, 16-17
- Machine Learning: A Historical and Methodological Analysis*. 4(3): Fall 1983, 69-79
- Maher, Mary Lou, *Process Models for Design Synthesis*. 11(4): Winter 1990, 49-58
- Man Versus Machine for the World Checkers Championship*. 14(2): Summer 1993, 28-35
- Mann, William. *Artificial Intelligence Research at the Information Sciences Institute*. 5(1): Spring 1984, 65-69
- Marcus, Sandra; Stout, Jeffrey; and McDermott, John. *VT: An Expert Elevator Designer That Uses Knowledge-Based Backtracking*. 9(1): Spring 1988, 95-112
- Marill, Thomas. *A Visit to the Tsukuba Science Exposition*. 6(3): Fall 1985, 94-100
- Mark, William S., *see* Patel-Schneider, Peter F.
- Marshall, Charles, *see* Lynch, Frank
- Martins, João P. *The Truth, the Whole Truth, and Nothing But the Truth*. 11(5): January 1991, 7-25
- Mason, Matthew T. *Kicking the Sensing Habit*. 14(1): Spring 1993, 58-59
- Massachusetts Institute of Technology Artificial Intelligence Laboratory. *Research in Progress at the Massachusetts Institute of Technology, Artificial Intelligence Laboratory*. 1(1): Spring 1980, 21-22
- Mate, Luis, *see* Alonso, Fernando

- Matheus, Christopher J., *see* Frawley, William J.; and Piatetsky-Shapiro, Gregory
- Maybury, Mark T. *Future Directions in Natural Language Processing: The Bolt Beranek and Newman Natural Language Symposium*. 11(2): Summer, 1990: 12-14
- Maybury, Mark T. *Intelligent Multimedia Interfaces*. 13(2): Summer 1992, 35-37
- Mays, Eric, *see* MacGregor, Robert
- Mazzetti, Claudia; Tenenbaum, Jay Martin; Brachman, Ronald J.; Genesereth, Michael; and Stefik, Mark. *AAAI-86: Experimenting with a New Conference Format*. 6(4): Winter 1986, 93-95
- McCalla, Gordon and Cercone, Nick. *Artificial Intelligence in Canada: A Review*. 5(4): Winter 1985, 50-58
- McCarthy, John, *see also* Binford, Tom
- McCarthy, John. *Artificial Intelligence Needs More Emphasis on Basic Research: President's Quarterly Message*. 4(4): Winter 1983, 5
- McCarthy, John. *We Need Better Standards for Artificial Intelligence Research: President's Message*. 5(3): Fall 1984, 7-8
- McCorduck, Pamela. *Humans That Think: A Future Dialogue*. 4(3): Fall 1983, 35
- McCune, Brian P. *Artificial Intelligence at Advanced Information and Decision Systems*. 2(2): Summer 1981, 44-47
- McDermott, Drew. *Review of Logic Foundations of Artificial Intelligence*. 10(3): Fall 1989, 103-105
- McDermott, Drew. *Robot Planning*. 13(2): Summer 1992, 55-79
- McDermott, Drew; Waldrop, M. Mitchell; Chandrasekaran, B.; McDermott, John; and Schank, Roger. *The Dark Ages of AI: A Panel Discussion at AAAI-84*. 6(3): Fall 1985, 122-134
- McDermott, John and Bachant, Judith. *R1 Revisited: Four Years in the Trenches*. 5(3): Fall 1984, 21-32
- McDermott, John, *see also* Marcus, Sandra, and McDermott, Drew
- McDermott, John. *R1: The Formative Years*. 2(2): Summer 1981, 21-29
- McDonald, David D., *see* Hovy, Eduard
- McGuinness, Deborah L., *see* Patel-Schneider, Peter F.; and MacGregor, Robert
- Meltzer, Bernard. *Knowledge and Experience in Artificial Intelligence*. 6(1): Spring 1985, 40-42
- Memoriam, In: John G. Gaschnig. 3(2): Spring 1982, 2
- Menzies, Tim. *An Investigation of AI and Expert Systems Literature: 1980-1984*. 10(2): Summer 1989, 53-61
- Messick, Steve, *see* Freiling, Michael
- Method for Evaluating Candidate Expert System Applications*, A. 9(4): Winter 1988, 44-53
- Methodological Simplicity in Expert System Construction: The Case of Judgments and Reasoned Assumptions*. 4(2): Summer 1983, 39-43
- Mezher, Toufic M., *see* Silverman, Barry G.
- Michalski, Ryszard S., *see* Carbonell, Jaime G.
- Michie, Donald, *see also* Sammut, Claude
- Michie, Donald. *High-Road and Low-Road Programs*. 3(1): Winter 1981, 21-22
- Miller, David P. *A Twelve-Step Program to More Efficient Robotics*. 14(1): Spring 1993, 60-63
- Miller, David P. *The Long-Term Effects of Secondary Sensing*. 15(1): Spring 1994, 52-56
- Miller, Perry and Rennels, Glenn. *Prose Generation from Expert Systems: An Applied Computational Linguistics Approach*. 9(3): Fall 1988, 37-44
- Miller, Perry L. *Review of Readings in Medical Artificial Intelligence: The First, Decade*. 6(4): Winter 1986, 105
- Miller, Perry L., *see also* Rennels, Glenn D.
- Milne, Robert and Cross, Stephen. *Artificial Intelligence Research Capabilities of the Air Force, Institute of Technology*. 6(1): Spring 1985, 74-76
- Mind at AI: Horseless Carriage to Clock, The*. 10(2): Summer 1989, 29-41
- Mind, Evolution, and Computers*. 15(1): Spring 1994, 19-22
- Minimaxing: Theory and Practice*. 9(3): Fall 1988, 69-76
- Minker, Jack and Davis, Larry S. *Artificial Intelligence Research at the University of Maryland*. 5(1): Spring 1984, 59-63
- Minker, Jack. *Alexander Lerner: A Biographical Sketch*. 5(1): Spring 1984, 79-80
- Minsky, Marvin, and Laske, Otto. *A Conversation with Marvin Minsky*. 13(3): Fall 1992, 31-45
- Minsky, Marvin. *Introduction to the COMTEX Microfiche Edition of the Early MIT, Artificial Intelligence Memo*. 4(1): Spring 1983, 19-22
- Minsky, Marvin. *Logical Versus Analogical or Symbolic Versus Connectionist or Neat Versus Scruffy*. 12(2): Summer 1991, 34-51
- Minsky, Marvin. *Why People Think Computers Can't*. 3(4): Fall 1982, 3-15
- Minutes of the Fourth Annual Meeting of the American Association, for Artificial Intelligence*. 5(1): Spring 1984, 77
- Minutes of the Second Annual Meeting of the American Association for Artificial Intelligence*. 3(1): Winter 1981, 23-24
- Minutes of the Third Annual Meeting of the American Association for, Artificial Intelligence*. 4(1): Spring 1983, 51
- MIT, *see* Massachusetts Institute of Technology
- Mitchell, Tom M., *see* Rockmore, A. J., and Sleeman, Derek
- Mitri, Michel. *A Task-Specific Problem-Solving Architecture for Candidate Evaluation*. 12(3): Fall 1991, 95-109
- Mittal, Sanjay and Dym, Clive L. *Knowledge Acquisition from Multiple Experts*. 6(2): Summer 1985, 32-36
- Mittal, Sanjay, *see also* Bylander, Tom, and Stefik, Mark

- Model-Based Scientific Discovery: A Study in Space Bioengineering.* 15(2): Summer 1994, 89-91
- Modeling Design Process.* 11(4): Winter 1990, 37-48
- Models for Design Synthesis.* 11(4): Winter 1990, 49-58
- Montanarella, Joseph. *Review of Artificial Intelligence: A Knowledge-Based Approach.* 11(1): Spring, 1990: 98-99
- Montemerlo, Melvin D. *NASA's Artificial Intelligence Program.* 13(4): Winter 1992, 49-62
- Moore, Brad. "You Mean It Really Works?" *Or Innovated, Deployed AI Applications.* 10(3): Fall 1989, 13-15
- Moore, Harry H., *see* Wright, Jon R.
- Moravec, Hans P. *Sensor Fusion in Certainty Grids for Mobile Robots.* 9(2): Spring 1988, 61-74
- Moravec, Hans P., *see also* Fox, Mark S.
- Moravec, Hans. *The Great 1980s AI Bubble: A Review of The Brain Makers.* 15(3): Fall 1994, 86-87
- More Rational View of Logic, A, Or, Up Against the Wall, Logic, Imperialists!* 4(4): Winter 1983, 15-18
- Morik, Katharina and Rollinger, Claus-Rainer. *The Real Estate Agent: Modeling Users By Uncertain Reasoning.* 6(2): Summer 1985, 44-52
- Morse, Sarah, *see* Nourbakhsh, Illah
- Morton, Thomas E., *see* Sathi, Arvind
- Mostow, Jack. *Toward Better Models of the Design Process.* 6(1): Spring 1985, 44-57
- Motivating the Notion of Generic Design within Information-Processing Theory: The Design Problem Space.* 10(1): Spring 1989, 19-36
- Mukerjee, Amit. *Review of Knowledge-Based Design Systems.* 12(3): Fall 1991, 122-123
- Munoz, Pedro L. *see* Alonso, Fernando
- Murray, Arthur J., *see* Silverman, Barry G.
- Murtagh, Niall. *Engineering Design through Constraint-Based Reasoning.* 14(3): Fall 1993, 100-101
- Musen, Mark A., *see* Cooper, Gregory F.
- Musgrove, John. *Review of Expert Systems in Business: A Practical Approach.* 12(1): Spring 1991, 101-102
- Narayanan, N. Hari, *see* Chandrasekaran, B.
- Narayanan, N. Hari. *Spring Symposium Report on Reasoning with Diagrammatic Representations.* 13(3): Fall 1992, 28
- NASA's Artificial Intelligence Program.* 13(4): Winter 1992, 49-62
- National Aeronautics and Space Administration Workshop on Monitoring and Diagnosis.* 13(4): Winter 1992, 13-15
- Natural Language Understanding and Logic Programming.* 9(1): Spring 1988, 119-120
- Natural Language Understanding.* 1(1): Spring 1980, 5-10
- Nature of AI: A Reply to Schank, The.* 4(4): Winter 1983, 29-31
- Navigating through the Frame Problem: Review of Reasoning Agents in a Dynamic World.* 15(1): Spring 1994, 69-72
- Navigation and Mapping in Large Scale Space.* 9(2): Spring 1988, 25-43
- Navinchandra, Dundee, *see* Sriram, Duvvuru
- Nebel, Bernhard, *see* Patel-Schneider, Peter F.
- Neches, Robert, Fikes, Richard, Finin, Tim, Gruber, Thomas, Patil, Ramesh, Senator, Ted, and Swartout, William R., *Enabling Technology for Knowledge Sharing.* 12(3): Fall 1991, 36-56
- Networks and Learning: MIT Industrial Liaison Program.* 11(3): Fall 1990, 16-19
- Neurons, Perception, and Communication: Review of Images and Understanding: Thoughts about Images, Ideas about Understanding.* 13(2): Summer 1992, 97-102
- New Hitech Computer Chess Success.* 9(2): Summer 1988, 133
- New Mexico State University's Computing Research Laboratory.* 9(1): Spring 1988, 79-94
- Newell, Allen. *Fairytales.* 13(4): Winter 1992, 46-48
- Newell, Allen. *AAAI President's Message.* 1(1): Spring 1980, 1-4
- Newell, Allen. *Introduction to the COMTEX Microfiche Edition of Reports on Artificial Intelligence from Carnegie-Mellon University.* 5(3): Fall 1984, 35-39
- Newell, Allen. *The Knowledge Level: Presidential Address.* 2(2): Summer 1981, 1-20, 33
- Newell, Allen. *The Scientific Relevance of Robotics Remarks at the Dedication of the, CMU Robotics Institute.* 2(1): Winter 1980, 24-26, 34
- Next Knowledge Medium, The.* 7(1): Spring 1986, 34-46
- Nguyen, Tin A., *see* Laffey, Thomas J.
- Nguyen, Trung; Czerwinski, Mary; and Lee, Dan. *Compaq Quicksource: Providing the Consumer with the Power of AI.* 14(3): Fall 1993, 50-60
- Nii, H. Penny *see also* Feigenbaum, Edward A.
- Nii, H. Penny. *Blackboard Application Systems, Blackboard Systems and a Knowledge, Engineering Perspective.* 7(3): August 1986, 82-106
- Nii, H. Penny. *The Blackboard Model of Problem Solving and the Evolution of, Blackboard Architectures.* 7(2): Summer 1986, 38-53
- Nii, H. Penny; Feigenbaum, Edward A.; and Anton, John J. *Signal-to-Symbol Transformation: HASP/SIAP Case Study.* 3(2): Spring 1982, 23-35
- Nilsson, Nils J. *Artificial Intelligence Prepares for 2001.* 4(4): Winter 1983, 7-14
- Nilsson, Nils J. *Artificial Intelligence, Employment, and Income.* 5(2): Summer 1984, 5-14
- Nilsson, Nils J. *Artificial Intelligence: Engineering, Science, or Slogan?* 3(1): Winter 1981, 2-9
- Nilsson, Nils J. *In Memoriam: John G. Gaschnig.* 3(2): Spring 1982, 2
- Nilsson, Nils J. *Introduction to the COMTEX Microfiche Edition of the*

- SRI Artificial, Intelligence Center: Technical Notes. 5(1): Spring 1984, 41-52
- Nilsson, Nils. *Response to Drew McDermott's Review of Logical Foundations of Artificial Intelligence*. 10(3): Fall 1989, 105-106
- Niwa, Kiyoshi; Sasaki, Koji; and Ihara, Hirokazu. *An Experimental Comparison of Knowledge Representation Schemes*. 5(2): Summer 1984, 29-36
- NonMonotonic Reasoning*, AAAI Workshop on. 6(2): Summer 1985, 92-93
- Norvig, Peter, *see* Goldman, Robert P.
- Nourbakhsh, Illah; Morse, Sarah; Becker, Craig; Balabanovic, Marko; Gat, Erann; Simmons, Reid; Goodridge, Steven; Harsh; Potlapalli; and Hinkle, David; *The Winning Robots from the 1993 Robot Competition*. 14(4): Winter 1993, 51-62
- Novak, Gordon S. *GLISP: A Lisp-Based Programming System with Data Abstraction*. 4(3): Fall 1983, 37-47, 53
- Novel Approach to Expert Systems for Design of Large Structures*, A. 9(4): Winter 1988, 54-63
- Nute, Donald; Covington, Michael; and Rankin, Terry. *The Advanced Computational Methods Center, University of Georgia*. 7(1): Spring 1986, 74-76
- O'Rourke, Paul, *Automated Abduction: 1990 Spring Symposium Report*. 11(3): Fall 1990, 28-29
- O'Connor, Dennis, *see* Lynch, Frank
- Object-Oriented Programming: Themes and Variations*. 6(4): Winter 1986, 40-62
- Ogilvie, John W. L. *Review of Artificial Intelligence: The Very Idea*. 7(1): Spring 1986, 86-87
- Online, Artificial Intelligence-Based Turbine Generator Diagnostics*. 7(4): Fall 1986, 97-103
- OPGEN: The Evolution of an Expert System for Process Planning*. 7(5): Winter 1986, 58-70
- Orlando, Nancy; Abbott, Kathy; and Rogers, James. *Artificial Intelligence Research at NASA Langley Research Center*. 5(3): Fall 1984, 79-80
- Osborne, Robert L. *Online, Artificial Intelligence-Based Turbine Generator Diagnostics*. 7(4): Fall 1986, 97-103
- Out of My Mind: An Editorial*. 12(4): Winter 1991, 6
- Overview of Some Recent and Current Research in the AI Lab at Arizona State University*, An. 12(3): Fall 1991, 22-29
- Ow, Peng Si, *see* Smith, Stephen F.
- Owsnicki-Klewe, Bernd, *see* Patel-Schneider, Peter F.
- Pagoda: A Model for Autonomous Learning in Probabilistic Domains*. 14(1): Spring 1993, 75-76
- Palmer, Stephen R., *see* Wright, Jon R.
- Palumbo, Paul W., *see* Srihari, Sargur N.
- Pan, Jeff Yung-Choa and Tenenbaum, Jay M. *PIES: An Engineer's Do-It-Yourself Knowledge System for Interpretation, of Parametric Test Data*. 7(4): Fall 1986, 62-69
- Pao, Yo-Han. *The Center for Automation and Intelligent Systems Research, Case Western Reserve University*. 7(1): Spring 1986, 69-73
- Paradigms of Artificial Intelligence Programming: Case Studies in Common Lisp—A Review*
- Partial Evaluation, Programming Methodology, and Artificial, Intelligence*. 5(1): Spring 1984, 53-57
- Partridge, Derek. *Workshop on the Foundations of AI: Final Report*. 8(1): Spring 1987, 55-59
- Patel-Schneider, Peter F., Owsnicki-Klewe, Bernd; Kobsa, Alfred; Guarino, Nicola; MacGregor, Robert; Mark, William S.; McGuinness, Deborah L.; Nebel, Bernhard; Schmiedel, Albrecht; and Yen, John. *Term Subsumption Languages in Knowledge Representation*. 11(2): Summer, 1990: 16-23
- Patil, Ramesh, *see* Neches, Robert
- Paul, C. J. *see* Strosnider, Jay K.
- Pavlin, Jasmina, *see* Lesser, Victor R.
- Pazos, Juan, *see* Alonso, Fernando
- Pearl, Judea. *On the Discovery and Generation of Certain Heuristics*. 4(1): Spring 1983, 23-33
- Pecora, Deanne, *see* Laffey, Thomas J.
- Pecora, Vincent J. *EXPRS: A Prototype Expert System Using Prolog for Data Fusion*. 5(2): Summer 1984, 37-41
- Pednault, Edwin P. D., *see* Lansky, Amy
- Pednault, Edwin P. D. *Theory and Application of Minimal-Length Encoding: 1990 AAAI Spring Symposium Report*. 11(5): January 1991, 794-96
- Penguins Can Make Cake*. 10(4): Winter 1989, 45-50
- Pentland, Alex P. and Fischler, Martin A. *A More Rational View of Logic, Or, Up Against the Wall, Logic, Imperialists!* 4(4): Winter 1983, 15-18
- Performance Evaluation of Text-Analysis Technologies*, A. 12(3): Fall 1991, 81-94
- Perkins, Walton A., *see* Laffey, Thomas J.
- Perspective on Automatic Programming*, A. 5(1): Spring 1984, 5-27
- Peters, James, *see* Dhar, Vasant
- Physical Object Representation and Generalization: A Survey of Programs for, Semantic-Based Natural Language Processing*. 5(4): Winter 1985, 28-41
- PI-in-a-Box: A Knowledge-Based System for Space Science Experimentation*. 15(1): Spring 1994, 39-51
- Piatetsky-Shapiro, Gregory, *see* Frawley, William J.
- Piatetsky-Shapiro, Gregory. *Knowledge Discovery in Real Databases: A Report on the IJCAI-89 Workshop*. 11(5): January 1991, 68-70
- Piatetsky-Shapiro, Gregory; Matheus, Christopher; Smyth, Padhraic; and Uthurusamy, Ramasamy. *KDD-93: Progress and Challenges in Knowledge Discovery in Databases*. 15(3): Fall 1994, 77-82
- PIES: An Engineer's Do-It-Yourself Knowledge System for Interpretation, of Parametric Test Data*. 7(4): Fall 1986, 62-69
- Pirolli, Peter, *see* Goel, Vinod
- Polit, Stephen. *R1 and Beyond: AI Technology Transfer at Digital Equipment Corporation*. 5(4): Winter 1985, 76-78

- Pollack, Jordan. *High-Level Connectionist Models*. 9(4): Winter 1988, 65-69
- Pollack, Martha E., *see* Hanks, Steve
- Popplestone, Robin J., Liu, Yanxi, and Weiss, Rich. *A Group Theoretic Approach to Assembly Planning*. 11(1): Spring, 1990: 82-97
- Power of Physical Representations, The*. 10(3): Fall 1989, 49-65
- Prakash, Mayand, *see* Lenat, Douglas B.
- Predictive Model for Satisfying Conflicting Objectives in Scheduling Problems, A*. 13(1): Spring 1992, 13-15
- Preece, Alun D. *Review of Verification, Validation, and Test of Knowledge-Based Systems*. 13(4): Winter 1992, 76-77
- Pregibon, Daryl, *see* Gale, William A.
- Prerau, David S. *Knowledge Acquisition in the Development of a Large Expert System*. 8(2): Summer 1987, 43-51
- Prerau, David S. *Selection of an Appropriate Domain for an Expert System*. 6(2): Summer 1985, 26-30
- Principles of Diagnosis: Current Trends and a Report on the First International Workshop*. 12(4): Winter 1991, 15-23
- Probabilistic Approaches to Natural Language: A Symposium Report*. 14(1): Spring 1993, 14
- Probability Concepts for an Expert System Used for Data Fusion*. 5(3): Fall 1984, 55-60
- Problem of Extracting the Knowledge of Experts from the, Perspective of Experimental Psychology, The*. 8(2): Summer 1987, 53-67
- Problem Solving Tactics*. 2(1): Winter 1980, 7-15
- Professor's Challenge, The*. 5(4): Winter 1985, 60-70
- Prose Generation from Expert Systems: An Applied Computational Linguistics Approach*. 9(3): Fall 1988, 37-44
- Prototype Expert System Using Prolog for Data Fusion, A*. 5(2): Summer 1984, 37-41
- Psychological Studies and Artificial Intelligence*. 4(1): Spring 1983, 37-43
- Punch, William, *see* Adler, Mark
- Pundit, Neil, *see* Rewari, Anil
- Pursuit of Mind, In : The Research of Allen Newell*. 13(4): Winter 1992, 17-45
- Purves, William K. *A Biologist Looks at Cognitive Artificial Intelligence*. 6(2): Summer 1985, 38-43
- Qualitative Reasoning about Physical Systems with Multiple Perspective*. 14(1): Spring 1993, 77-79
- Qualitative Reasoning for Financial Assessments: A Prospectus*. 7(1): Spring 1986, 62-68
- Qualitative Vision, AAAI-90 Workshop on*. 12(4): Winter 1991, 25-27
- Quality and Knowledge in Software Engineering*. 14(4): Winter 1993, 43-50
- Quest for the Thinking Computer, The*. 13(2): Summer 1992, 81-95
- Question of Responsibility, A*. 8(1): Spring 1987, 28-39
- Quilici, Alex. *Spring Symposium Report on Producing Cooperative Explanations*. 13(3): Fall 1992, 26-27
- R1 and Beyond: AI Technology Transfer at Digital Equipment Corporation*. 5(4): Winter 1985, 76-78
- R1 Revisited: Four Years in the Trenches*. 5(3): Fall 1984, 21-32
- Ram, Ashwin, *see* Goel, Ashok K.; and Leake, David
- Rankin, Terry L. *Review of Heuristics: Intelligent Search Strategies for Computer, Problem Solving*. 7(1): Spring 1986, 87-89
- Rankin, Terry L., *see also* Nute, Donald
- Rapaport, William J., *see* Hardt, Shoshana L.
- Rasdorf, William J. *Artificial Intelligence Research in Engineering at North Carolina State University*. 6(2): Summer 1985, 80-82
- Rational Psychology, What Is? Toward a Modern Mental Philosophy*. 4(3): Fall 1983, 50-53
- Rauch, Herbert E. *Probability Concepts for an Expert System Used for Data Fusion*. 5(3): Fall 1984, 55-60
- Read, Jackson Y., *see* Laffey, Thomas J.
- Real Estate Agent: Modeling Users By Uncertain Reasoning, The*. 6(2): Summer 1985, 44-52
- Real-Time Knowledge-Based Systems*. 9(1): Spring 1988
- Reasoning about Mental States: 1993 Spring Symposium Report*. 14(3): Fall 1993, 36-37
- Reasoning with Diagrammatic Representations: A Report on the Spring Symposium*. 14(2): Summer 1993, 49-56
- Recent and Current Artificial Intelligence Research in the, Department of Computer Science SUNY at Buffalo*. 7(2): Summer 1986, 91-100
- Recognizing Address Blocks on Mail Pieces: Specialized Tools and, Problem-Solving Architecture*. 8(4): Winter 1987, 25-40
- Reddy, Raj. *Foundations and Grand Challenges of Artificial Intelligence: AAAI Presidential Address*. 9(4): Winter 1988, 9-21
- Redfield, Carol L. *see* Robey, Brian L.
- Reflections on the ARPA Experience*. 3(1): Winter 1981, 11
- Rehfuss, Stefe, *see* Freiling, Michael
- Reinfrank, Michael. *Second International Workshop on Nonmonotonic Reasoning*. 10(1): Spring 1989, 81-82
- Relationship Between Strong and Weak Problem Solvers, On the*. 4(2): Summer 1983, 25-29
- Reloading a Human Memory: A New Ethical Question for Artificial Intelligence Technology*. 6(4): Winter 1986, 63-64
- Rendell, Larry A. *Toward a Unified Approach for Conceptual Knowledge Acquisition*. 4(4): Winter 1983, 19-27
- Rennels, Glenn D.; Shortliffe, Edward H.; Stockdale, Frank E.; and Miller, Perry L. *A Computational Model of Reasoning from the Clinical Literature*. 10(1): Spring 1989, 49-57
- Report on the 1984, Distributed Artificial Intelligence Workshop*. 6(3): Fall 1985, 234-243
- Report to ARPA on Twenty-First Century Intelligent Systems, A*. 15(3): Fall 1994, 10-20

- Representation System User Interface for Knowledge Base, Designers, A.* 3(4): Fall 1982
- Representativeness and Uncertainty in Classification Schemes.* 6(3): Fall 1985, 136-149
- Research and Development Cooperation in Artificial Intelligence: Report on the U. S. and Japanese Panel, IJCAI-85.* 7(2): Summer 1986, 65-69
- Research at Fairchild.* 4(1): Spring 1983, 45-46
- Research at Jet Propulsion Laboratory.* 4(4): Winter 1983, 58-59
- Research at The University of Texas.* 4(4): Winter 1983, 55-57
- Research in Artificial Intelligence at the University of Pennsylvania.* 7(3): August 1986, 128-144
- Research in Progress at the Artificial Intelligence Center, SRI, International.* 1(1): Spring 1980, 30-31
- Research in Progress at the Heuristic Programming Project, Stanford University.* 1(1): Spring 1980, 25-30
- Research in Progress at the Information Sciences Institute, University, of Southern California.* 1(1): Spring 1980, 22-25
- Research in Progress at the Massachusetts Institute of Technology, Artificial Intelligence Laboratory.* 1(1): Spring 1980, 21-22
- Research in Progress in Robotics at Stanford University.* 2(1): Winter 1980, 27-28
- Research Issues in Qualitative and Abstract Probability.* 15(4): Winter 1994, 63-66
- Response to Drew McDermott's Review of Logical Foundations of Artificial Intelligence.* 10(3): Fall 1989, 105-106
- Retz-Schmidt, Gudula. Various Views on Spatial Prepositions.* 9(2): Spring 1988, 95-105
- Review of A Comprehensive Guide to AI and Expert Systems: Turbo Pascal Edition.* 10(1): Spring 1989, 86-87
- Review of A Mathematical Theory of Evidence.* 5(3): Fall 1984, 81-83
- Review of A Practical Guide to Designing Expert Systems.* 5(4): Winter 1985, 84-86
- Review of A Practical Guide to Designing Expert Systems.* 5(4): Winter 1985, 84-86
- Review of Actors: A Model of Concurrent Computation in Distributed Systems.* 11(4): Winter 1990, 92-95
- Review of Alternate Realities: Mathematical Models of Nature and Man.* 11(2): Summer, 1990: 78-79
- Review of An AI Approach to Legal Reasoning.* 9(3): Fall 1988, 90-91
- Review of Artificial Intelligence and Robotics: Five Overviews.* 7(1): Spring 1986, 89-90
- Review of Artificial Intelligence for Microcomputers: The Guide for Business Decision Makers.* 7(5): Winter 1986, 100
- Review of Artificial Intelligence, Simulation, and Modeling.* 12(1): Spring 1991, 100-101
- Review of Artificial Intelligence: A Knowledge-Based Approach.* 11(1): Spring, 1990: 98-99
- Review of Artificial Intelligence: The Very Idea.* 7(1): Spring 1986, 86-87
- Review of Automated Reasoning: Thirty-Three Basic Research Problems.* 10(3): Fall 1989, 103
- Review of Building Large Knowledge-Based Systems.* 11(3): Fall 1990, 126-127
- Review of Computer Experience and Cognitive Development.* 10(2): Summer 1989, 93-96
- Review of Computing with Logic: Logic Programming with Prolog.* 9(4): Winter 1988, 83
- Review of Design Automation: Automated Full-Custom VLSI Layout Using the Ulysses Design Environment.* 10(4): Winter 1989, 66-67
- Review of Expert Systems for the Technical Professional.* 10(1): Spring 1989, 87-88
- Review of Expert Systems in Business: A Practical Approach.* 12(1): Spring 1991, 101-102
- Review of Expert Systems: Techniques, Tools, and Applications.* 9(1): Spring 1988, 123-124
- Review of Genetic Algorithms in Search, Optimization, and Machine Learning.* 12(1): Spring 1991, 102-103
- Review of Heuristics: Intelligent Search Strategies for Computer, Problem Solving.* 7(1): Spring 1986, 87-89
- Review of How Machines Think: A General Introduction to Artificial Intelligence Illustrated in Prolog.* 9(4): Winter 1988, 83-84
- Review of Introduction to Artificial Intelligence.* 7(5): Winter 1986, 100-101
- Review of Knowledge-Based Design Systems.* 12(3): Fall 1991, 122-123
- Review of Knowledge-Based Systems.* 10(4): Winter 1989, 64
- Review of Logic Foundations of Artificial Intelligence.* 10(3): Fall 1989, 103-105
- Review of Machine Intelligence: A Critique of Arguments Against the Possibility of Artificial Intelligence.* 11(4): Winter 1990, 95
- Review of Manufacturing Intelligence.* 11(3): Fall 1990, 127-128
- Review of Models of My Life.* 13(3): Fall 1992, 89-90
- Review of Natural COmputation.* 13(2): Summer 1992, 102-103
- Review of Natural Language Understanding.* 10(1): Spring 1989, 88-90
- Review of Neurocomputing: Foundations of Research.* 10(4): Winter 1989, 64-66
- Review of Pattern Recognition.* 11(2): Summer, 1990: 80-81
- Review of Perceptrons.* 10(2): Summer 1989, 91-92
- Review of Readings in Medical Artificial Intelligence: The First, Decade.* 6(4): Winter 1986, 105
- Review of Reasoning About Change.* 9(4): Winter 1988, 84-85
- Review of Representation and Reality.* 11(1): Spring, 1990: 100-101
- Review of Sparse Distributed Memory.* 11(2): Summer, 1990: 79-80
- Review of States of Mind.* 4(4): Winter 1983, 61-66
- Review of Statistical Language Learning, A* 15(3): Fall 1994, 88

- Review of The Architecture of Cognition.* 5(1): Spring 1984, 71-72
- Review of The Connection Machine.* 7(3): August 1986, 169
- Review of The Development of an Artificial Intelligence System for Inventory Management Using Multiple Experts.* 10(2): Summer 1989, 93
- Review of The Fifth Generation.* 4(3): Fall 1983, 94
- Review of the First National Conference on Knowledge Representation, and Inference in Sanskrit.* 8(2): Summer 1987, 99
- Review of The Media Lab.* 11(1): Spring, 1990: 99-100
- Review of the Philosophy of Intelligence.* 14(2): Summer 1993, 67-68
- Review of The Principles and Applications of Decision Analysis, Review of Decision Analysis and Behavioral Research.* 9(1): Spring 1988, 124-126
- Review of The Rise of the Expert Company.* 10(2): Summer 1989, 96
- Review of Three-Dimensional Computer Vision.* 9(2): Summer 1988, 136
- Review of Verification, Validation, and Test of Knowledge-Based Systems.* 13(4): Winter 1992, 76-77
- Rewari, Anil; Adler, Mark; Anick, Peter, Billmers, Meyer, Carifio, Mike, Gunderson, Alan, Pundit, Neil, and Swartout, Mark W., *AI Research and Applications in Digital's Service Organization.* 13(4): Winter 1992, 63-75
- Reynolds, David; and Beck, Tim. *Tennessee Offender Management Information System.* 14(3): Fall 1993, 61-68
- Ribeiro, Cristina. *International Workshop on Processing Declarative Knowledge.* 13(1): Spring 1992, 27, 30
- Rice, James. *The Advanced Architectures Project.* 10(4): Winter 1989, 26-39
- Rich, Elaine. *Editorial: Ontogeny Recapitulates Ontogeny: AI and the AI Magazine.* 13(2): Summer 1992, 12-13
- Rich, Elaine. *Research at The University of Texas.* 4(4): Winter 1983, 55-57
- Ringle, Martin. *Psychological Studies and Artificial Intelligence.* 4(1): Spring 1983, 37-43
- Rissland, Edwina. *Artificial Intelligence and Legal Reasoning: A Discussion of the Field and Gardner's Book.* 9(3): Fall 1988, 45-55
- Roach, John W., *see* Whitehead, J. Douglass
- Robey, Brian L.; Fink, Pamela K.; Venkatesan, Sanjeev; Redfield, Carol L.; and Ferguson, Jerry W. *DRAIR ADVISER: A Knowledge-Based System of Material-Deficiency Analysis.* 15(2): Summer 1994, 67-82
- Robot Exhibition and Competition, 1992 AAAI.* 14(1): Spring 1993, 35-48
- Robot Planning.* 13(2): Summer 1992, 55-79
- Robot, Eye, and ROI: Technology Transformation Versus, Technology Transfer.* 6(3): Fall 1985, 204-209
- Robot-Building Lab and Contest at the 1993 National AI Conference.* 14(4): Winter 1993, 73-77
- Robotic Assembly and Task Planning.* 11(1): Spring, 1990: 9, 11
- Rockmore, A. J. and Mitchell, Tom M. *Artificial Intelligence Research at Rutgers.* 3(2): Spring 1982, 36-43
- Rogers, James, *see* Orlando, Nancy
- Rollinger, Claus-Ranier, *see* Morik, Katharina
- Rooker, Terry. *Review of Genetic Algorithms in Search, Optimization, and Machine Learning.* 12(1): Spring 1991, 102-103
- Rooker, Terry. *Review of Neurocomputing: Foundations of Research.* 10(4): Winter 1989, 64-66
- Rooker, Terry. *Review of Sparse Distributed Memory.* 11(2): Summer, 1990: 79-80
- Rosenbloom, Paul S., *see* Laird, John E.
- Rosenschein, Jeffrey S.; and Zlotkin, Gilad. *Designing Conventions for Automated Negotiation.* 15(3): Fall 1994, 29-46
- Roth, Steven F., *see* Sathi, Arvind
- Rough Sets, First International Workshop on: State of the Art and Perspectives.* 14(3): Fall 1993, 29-31
- Ruspini, Enrique, *see* Congdon, Clare
- Russ, Tom, *see* MacGregor, Robert
- Russell, Bruce, *see* Kempf, Karl
- Sacerdoti, Earl D. *Problem Solving Tactics.* 2(1): Winter 1980, 7-15
- Sacerdoti, Earl, *see also* Hart, Peter
- Sacerdoti, Earl. *Robot, Eye, and ROI: Technology Transformation Versus, Technology Transfer.* 6(3): Fall 1985, 204-209
- Saffiotte, Alexandro, *see* Congdon, Clare
- Saint-Dizier, Patrick. *Natural Language Understanding and Logic Programming.* 9(1): Spring 1988, 119-120
- Saint-Dizier, Patrick. *The Knowledge-Based Computer System Development Program of India: A Review.* 12(2): Summer 1991, 33
- Saitta, Lorenza, *see* Cornuejols, Antoine
- Sammut, Claude, and Michie, Donald. *Controlling a Black-Box Simulation of a Spacecraft.* 12(1): Spring 1991, 56-63
- Samuel, Arthur L. *The Banishment of Paper-Work.* 4(2): Summer 1983, 31-33
- Sanderson, Arthur C., Homem de Mello, Luiz S., and Zhang, Hui. *Assembly Sequence Planning.* 11(1): Spring, 1990: 62-81
- Saniga, Erwin M. *Review of The Development of an Artificial Intelligence System for Inventory Management Using Multiple Experts.* 10(2): Summer 1989, 93
- Sathi, Arvind; Morton, Thomas E.; and Roth, Steven F. *Callisto: An Intelligent Project Management System.* 7(5): Winter 1986, 34-52
- Schachter, Ross D. and Heckerman, David. *Thinking Backward for Knowledge Acquisition.* 8(3): Fall 1987, 55-61
- Schaeffer, Jonathan; Treloar, Norman; Lu, Paul; and Lake, Robert. *Man Versus Machine for the World Check-*

- ers Championship. 14(2): Summer 1993, 28-35
- Schank, Roger C. *The Current State of AI: One Man's Opinion*. 4(1): Spring 1983, 3-8
- Schank, Roger C. *What Is AI, Anyway?* 8(4): Winter 1987, 59-65
- Schank, Roger C. *Where's the AI?* 12(4): Winter 1991, 38-48
- Schank, Roger C., *see also* McDermott, Drew
- Schedulers, Issues in the Design of AI-Based: A Workshop Report*. 11(5): January 1991, 37-46
- Schlimmer, Jeffrey, *see* Cornuejols, Antoine
- Schmidt, James L., *see* Laffey, Thomas J.
- Schmiedel, Albrecht, *see* Patel-Schneider, Peter F
- Schmolze, Jim, *see* Brachman, Ronald J.
- Schoppers, Marcel J. *In Defense of Reaction Plans as Caches*. 10(4): Winter 1989, 51-60
- Schorr, Herbert *see* Feigenbaum, Edward A.
- Scientific DataLink's Artificial Intelligence Classification Scheme*. 6(1): Spring 1985, 58-63
- Scientific Relevance of Robotics, The: Remarks at the Dedication of the, CMU Robotics Institute*. 2(1): Winter 1980, 24-26, 34
- Scott, A. Carlisle, *see* Suwa, Motoi
- Search: An Overview*. 2(1): Winter 1980, 2-6, 23
- Searls, David; Shavlik, Jude; and Hunter, Lawrence. *First International Conference on Intelligent Systems for Molecular Biology, The*. 15(1): Spring 1994, 12-13
- Second International Workshop on Human and Machine Cognition, The*. 13(3): Fall 1992, 17-20
- Second International Workshop on Non-monotonic Reasoning*. 10(1): Spring 1989, 81-82
- Second International Workshop on User Modeling*. 11(5): January 1991, 57-60
- Second KL-One Workshop*. 3(1): Winter 1981, 15
- Segre, Alberto Maria. *The Ninth International Conference on Machine Learning*. 14(2): Summer 1993, 16-17
- Selection of an Appropriate Domain for an Expert System*. 6(2): Summer 1985, 26-30
- Selfridge, Mallory. *Review of Computer Experience and Cognitive Development*. 10(2): Summer 1989, 93-96
- Selfridge, Mallory; Dickerson, Donald J.; and Biggs, Stanley F. *Cognitive Expert Systems and Machine Learning: Artificial, Intelligence Research at the University of Connecticut*. 8(1): Spring 1987, 75-79
- Selfridge, Oliver G. *The Gardens of Learning: A Vision for AI*. 14(2): Summer 1993, 36-48
- Selfridge, Peter G. *The Sixth Annual Knowledge-Based Software Engineering Conference*. 13(1): Spring 1992, 28-30
- Senator, Ted, *see* Neches, Robert
- Sengupta, Uttam, *see* Findler, Nicholas V.
- Sensor Fusion in Certainty Grids for Mobile Robots*. 9(2): Spring 1988, 61-74
- Serrano, David, *see* Sriram, Duvvuru
- Seventh International Workshop on Qualitative Reasoning about Physical Systems, The*. 15(2): Summer 1994, 88
- Shapiro, Stuart C.; Chalupsky, Hans; and Kumar, Deepak. *Spring Symposium Report on Propositional Knowledge Representation*. 13(3): Fall 1992, 27
- Shaw, Scott W., *Review of Pattern Recognition*. 11(2): Summer, 1990: 80-81
- Shepherd, Mary, *see* Lenat, Douglas B.
- Shoham, Yoav, *see* Horty, John
- Shortliffe, Edward H., *see* Gerring, Phillip E.
- Shrobe, Howard *see* Davis, Randall; and Feigenbaum, Edward A.
- Shulman, Sherri, *see* Freiling, Michael
- Sidhu, Sanjiv, *see* Kempf, Karl
- Signal-to-Symbol Transformation: HASP/SIAP Case Study*. 3(2): Spring 1982, 23-35
- Silverman, Barry G. *Research Workshop on Expert Judgment, Human Error, and Intelligent Systems*. 14(3): Fall 1993, 23-28
- Silverman, Barry G., and Mezher, Toufic M. *Expert Critics in Engineering Design: Lessons Learned and Research Needs*. 13(1): Spring 1992, 45-62
- Silverman, Barry G., and Murray, Arthur J. *Full-Sized Knowledge-Based Systems Research Workshop*. 11(5): January 1991, 788-94
- Silverman, Barry G., *Critiquing Human Judgment Using Knowledge-Acquisition Systems*, 11(3): Fall 1990, 60-79
- Similarity in Cognition: A Review of Similarity and Analogical Reasoning*. 14(4): Winter 1993, 81-84
- Simmons, Reid, *see also* Nourbakhsh, Illah
- Simmons, Reid. *Spring Symposium Report on Selective Perception*. 13(3): Fall 1992, 27-28
- Simoudis, Evangelos, *see* Adler, Mark; and Anick, Peter
- Simple View of the Dempster-Shafer Theory of Evidence, A, and Its Implication for the Rule of Combination*. 7(2): Summer 1986, 85-90
- Sixth Annual Knowledge-Based Software Engineering Conference, The*. 13(1): Spring 1992, 28-30
- Skillman, Tom, *see* Dodhiawala, Rajendra
- Slack, Marc, *see* Gat, Erann
- Slade, Stephen. *Case-Based Reasoning: A Research Paradigm*. 12(1): Spring 1991, 42-55
- Slade, Stephen. *The Yale Artificial Intelligence Project: A Brief History*. 8(4): Winter 1987, 67-76
- Slade, Stephen. *The Yale University Cognition and Programming Project*. 4(1): Spring 1983, 47-48
- Slagle, James and Wick, Michael. *A Method for Evaluating Candidate Expert System Applications*. 9(4):

- Winter 1988, 44-53
- Sleeman, Derek, *see also* Carbonell, Jaime G.
- Sleeman, Derek; Langley, Pat; and Mitchell, Tom M. *Learning from Solution Paths: An Approach to the Credit Assignment Problem*. 3(2): Spring 1982, 48-52
- Sloane, Debra. *Review of How Machines Think: A General Introduction to Artificial Intelligence Illustrated in Prolog*. 9(4): Winter 1988, 83-84
- Sloane, Stephen B. *The Use of Artificial Intelligence by the United States Navy: Case Study of a Failure*. 12(1): Spring 1991, 80-92
- Smart, Robert, *see* Cunningham, Adam
- Smith, Jack, *see* Chandrasekaran, B.
- Smith, Reid G. *On the Development of Commercial Expert Systems*. 5(3): Fall 1984, 61-73
- Smith, Reid G. *Report on the 1984, Distributed Artificial Intelligence Workshop*. 6(3): Fall 1985, 234-243
- Smith, Stephen F., *see also* Kempf, Karl
- Smith, Stephen F.; Fox, Mark S.; and Ow, Peng Si. *Constructing and Maintaining Detailed Production Plans: Investigations into the Development of K-B Factory Scheduling*. 7(4): Fall 1986, 45-61
- Smyth, Padhraic, *see* Piatetsky-Shapiro, Gregory
- Software Engineering in the Twenty-First Century*. 13(3): Fall 1992, 71-87
- Soloway, Elliot, *see* Woolf, Beverly Park
- Spar: A Planner that Satisfies Operational and Geometric Goals in Uncertain Environments*. 11(1): Spring, 1990: 30-61
- Spatial Reasoning Editorial*. 9(2): Spring 1988
- Spring Symposium Report on Artificial Intelligence in Medicine*. 13(3): Fall 1992, 22-23
- Spring Symposium Report on Cognitive Aspects of Knowledge Acquisition*. 13(3): Fall 1992, 24
- Spring Symposium Report on Computational Considerations in Supporting Incremental Modification and Reuse*. 13(3): Fall 1992, 24-25
- Spring Symposium Report on Knowledge Assimilation*. 13(3): Fall 1992, 25-26
- Spring Symposium Report on Practical Approaches to Scheduling and Planning*. 13(3): Fall 1992, 26
- Spring Symposium Report on Producing Cooperative Explanations*. 13(3): Fall 1992, 26-27
- Spring Symposium Report on Propositional Knowledge Representation*. 13(3): Fall 1992, 27
- Spring Symposium Report on Reasoning with Diagrammatic Representations*. 13(3): Fall 1992, 28
- Spring Symposium Report on Selective Perception*. 13(3): Fall 1992, 27-28
- Sridharan, N. S. 1986, *Workshop on Distributed AI*. 8(3): Fall 1987, 75-85
- Sridharan, N. S. *Evolving Systems of Knowledge*. 6(3): Fall 1985, 108-120
- Srihari, Sargur N.; Wang, Ching-Huei; Palumbo, Paul W.; and Hull, Jonathan J. *Recognizing Address Blocks on Mail Pieces: Specialized Tools and, Problem-Solving Architecture*. 8(4): Winter 1987, 25-40
- Sriram, Duvvuru; Stephanopoulos, George; Logcher, Robert; Gossard, David; Groleau, Nicholas; Serrano, David; and Navinchandra, Dundee. *Knowledge-Based System Applications in Engineering Design: Research at MIT*. 10(3): Fall 1989, 79-96
- Stanford University, *see* Heuristic Programming Project
- Starting a Knowledge Engineering Project: A Step-By-Step Approach*. 6(3): Fall 1985, 150-164
- Statler, Irving *see* Franier, Richard
- STEAMER: *An Interactive Inspectable Simulation-Based Training, System*. 5(2): Summer 1984, 15-27
- Steels, Luc. *Components of Expertise*. 11(2): Summer, 1990: 28-49
- Stefik, Mark and Bobrow, Daniel G. *Object-Oriented Programming: Themes and Variations*. 6(4): Winter 1986, 40-62
- Stefik, Mark and Conway, Lynn. *Towards the Principled Engineering of Knowledge*. 3(3): Summer 1982, 4-16
- Stefik, Mark, *see also* Mazzetti, Claudia
- Stefik, Mark. *The Next Knowledge Medium*. 7(1): Spring 1986, 34-46
- Stefik, Mark; Bobrow, Daniel G.; and Mittal, Sanjay. *Knowledge Programming in Loops*. 4(3): Fall 1983, 3-13
- Steier, David. *Creating a Scientific Community at the Interface Between Engineering Design and AI*. 11(4): Winter 1990, 18-22
- Steinberg, Louis, *see* Amarel, Saul
- Steinberg, Stanley, *see* Kant, Elaine
- Stephanopoulos, George, *see* Sriram, Duvvuru
- Stockdale, Frank E., *see* Rennels, Glenn D.
- Stokey, Richard, *Review of Manufacturing Intelligence*. 11(3): Fall 1990, 127-128
- Stone, Jeffrey. *Commercial AI Trends seen at AAAI-87*. 8(4): Winter 1987, 93-95
- Stone, Jeffrey. *The AAAI-86 Conference Exhibits: New Directions for Commercial, Artificial Intelligence*. 8(1): Spring 1987, 49-54
- Stone, Nicholas D., and Engel, Bernard A. *Knowledge-Based Systems in Agriculture and Natural Resource Management*. 11(3): Fall 1990, 20-22
- Stored Internal State in the Control of Autonomous Mobile Robots, On the Role of*. 14(1): Spring 1993, 64-73
- Stout, Jeffrey, *see* Marcus, Sandra
- Strategy and Business Planning for Artificial Intelligence Companies: A Guide for Entrepreneurs*. 7(3): August 1986, 111-118
- Strosnider, Jay K.; and Paul, C. J. *A Structured View of Real-Time Problem Solving*. 15(2): Summer 1994, 45-66
- Structured View of Real-Time Problem Solving, A*. 15(2): Summer 1994, 45-66
- Struss, Peter, *see* Buettner, Wolfram

- Subrahmanian, V. S. *Review of Reasoning About Change*. 9(4): Winter 1988, 84-85
- Sudweeks, Fay, *see* Kim, Steven
- Sun, Ron. *Similarity in Cognition: A Review of Similarity and Analogical Reasoning*. 14(4): Winter 1993, 81-84
- Sun, Ron; and Bookman, Lawrence. *How Do Symbols and Networks Fit Together*. 14(2): Summer 1993, 20-23
- Sundheim, Beth, *see* Lehnert, Wendy
- Survey of the Eighth National Conference on Artificial Intelligence, A: Pulling Together or Pulling Apart?* 12(1): Spring 1991, 16-41
- Sutherland, William R., *see* Lenat, Douglas B.
- Suthers, Dan, *see* Woolf, Beverly Park
- Suwa, Motoi; Scott, A. Carlisle; and Shortliffe, Edward H. *An Approach to Verifying Completeness and Consistency in a Rule-Based, Expert System*. 3(4): Fall 1982, 16-21
- Swann, Philip. *Neurons, Perception, and Communication: Review of Images and Understanding: Thoughts about Images, Ideas about Understanding*. 13(2): Summer 1992, 97-102
- Swanson, Kent, *see* Burton, Stu
- Swartout, Mark W., *see* Rewari, Anil
- Swartout, William R. *DARPA Santa Cruz Workshop on Planning*. 9(2): Spring 1988, 115-131
- Swartout, William R., *see also* Neches, Robert
- Sweet, Larry *Artificial Intelligence Research at General Electric*. 6(3): Fall 1985, 220-226
- Szolovits, Peter *see* Davis, Randall; and Franier, Richard
- Takeda, Hideaki, Veerkamp, Paul, Tomiyama, Tetsuo, and Yoshikawa, Hiroyuki. *Modeling Design Process*. 11(4): Winter 1990, 37-48
- Tale of Two Knowledge Servers, A*. 12(3): Fall 1991, 118-120
- Talking to UNIX in English: An Overview of an On-Line UNIX Consultant*. 5(1): Spring 1984, 29-39
- Tambe, Miland, *see* Ishida, Toru
- Tanner, Steve, and Carnes, Ray. *AI Research and Application Development at Boeing's Huntsville Laboratories*. 14(2): Summer 1993, 57-66
- Task Communication Through Natural Language and Graphics*. 11(5): January 1991, 71-73
- Task-Specific Problem-Solving Architecture for Candidate Evaluation, A*. 12(3): Fall 1991, 95-109
- Tate, Austin, *see* Hendler, James
- Taylor, Edward C. *Developing a Knowledge Engineering Capability in the TRW Defense Systems Group*. 6(2): Summer 1985, 58-63
- Technology, Work, and the Organization: The Impact of Expert Systems*. 11(2): Summer, 1990: 50-60
- Tello, Ernest R. *Review of Introduction to Artificial Intelligence*. 7(5): Winter 1986, 100-101
- ten Hage, Paul J. W., *see* Akman, Varol
- Tenenbaum, Jay M., *see* Pann, Jeff
- Tennessee Offender Management Information System*. 14(3): Fall 1993, 61-68
- Tenth Annual Workshop on Artificial Intelligence in Medicine: An Overview*. 6(2): Summer 1985, 84-90, Chandrasekaran, B. *Artificial Intelligence Research at The Ohio State University*. 6(2): Summer 1985, 74-79
- Term Subsumption Languages in Knowledge Representation*. 11(2): Summer, 1990: 16-23
- Text-Based Intelligent Systems: 1990 Spring Symposium Report*. 11(3): Fall 1990, 30-31
- Theoretical Issues in Conceptual Information Processing*. 9(4): Winter 1988, 71-76
- Theory and Application of Minimal-Length Encoding: 1990 AAAI Spring Symposium Report*. 11(5): January 1991, 794-96
- Theory of Heuristic Reasoning About Uncertainty, A*. 4(2): Summer 1983, 17-24
- Thieme, Ronald H., *see* Whittaker, A. Dale
- Thinking Backward for Knowledge Acquisition*. 8(3): Fall 1987, 55-61
- Third International Conference on Artificial Intelligence and, Education, The*. 8(4): Winter 1987, 97-99
- Third Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises*. 15(3): Fall 1994, 76
- Thomas, Daryl, *see* Iyengar, S.
- Thorndyke, Perry W., *see* Baird, Mike
- Thoughts and Afterthoughts on the 1988 Workshop on Principles of Hybrid Reasoning*. 11(5): January 1991, 77-83
- Tomiyama, Tetsuo, *see* Takeda, Hideaki
- Toward a Unified Approach for Conceptual Knowledge Acquisition*. 4(4): Winter 1983, 19-27
- Toward Better Models of the Design Process*. 6(1): Spring 1985, 44-57
- Towards a Taxonomy of Problem Solving Types*. 4(1): Spring 1983, 9-17
- Towards the Principled Engineering of Knowledge*. 3(3): Summer 1982, 4-16
- Training Issues in Incremental Learning: 1993 Spring Symposium Report*. 14(3): Fall 1993, 37
- Travis, Larry E., *see* West, David M.
- Treloar, Norman, *see* Schaeffer, Jonathan
- Trial by Fire: Understanding the Design Requirements for Agents in Complex Environments*. 10(3): Fall 1989, 32-48
- Truth, the Whole Truth, and Nothing But the Truth, The*. 11(5): January 1991, 7-25
- Tuggle, Francis D. *Review of Expert Systems for the Technical Professional*. 10(1): Spring 1989, 87-88
- Turing Test Transcript for Terminal 5*. 13(2): Summer 1992, 82-94
- Twelve-Step Program to More Efficient Robotics, A*. 14(1): Spring 1993, 60-63
- Uncertainty in Artificial Intelligence*. 9(4): Winter 1988, 77-78
- Universal Planning: An (Almost) Univer-*

- sally *Bad Idea*. 10(4): Winter 1989, 40-44
- University of Southern California, *see* Information Sciences Institute
- Untulis, Charles, *see* Hart, Peter
- Use of Artificial Intelligence by the United States Navy, The: Case Study of a Failure*. 12(1): Spring 1991, 80-92
- User Modeling, First International Workshop on*. 8(3): Fall 1987
- Uthurusamy, Ramasamy, *see* Piatetsky-Shapiro, Gregory
- Utterance and Objective: Issues in Natural Language Communication* 1(1): Spring 1980, 11-20
- Valdes-Pérez, Raúl E. *Machine Discovery of Chemical Reaction Pathways*. 12(4): Winter 1991, 11-12
- Valiente, Gabriel. *On Being a Machine: A Review*. 12(4): Winter 1991, 96-97
- Van Lehn, Kurt, *see* Woolf, Beverly Park
- van Melle, William, *see* Gerring, Phillip E.
- Van Vactor, David, *see* Nourbakhsh, Illah
- Various Views on Spatial Prepositions*. 9(2): Spring 1988, 95-105
- Veerkamp, Paul, *see* Takeda, Hideaki
- Venkatesan, Sanjeev *see* Robey, Brian L.
- Vesonder, Gregg T., *see* Wright, Jon R.
- Viewing the History of Science as Compiled Hindsight*. 8(2): Summer 1987, 33-41
- Visit to the Tsukuba Science Exposition*, A. 6(3): Fall 1985, 94-100
- Vito-Wolf, Roland J. *The Cognitive Structure of Emotions: A Review*. 12(4): Winter 1991, 97-99
- Vogel, T. R. *Review of Artificial Intelligence for Microcomputers: The Guide for Business Decision Makers*. 7(5): Winter 1986, 100
- VT: *An Expert Elevator Designer That Uses Knowledge-Based Backtracking*. 9(1): Spring 1988, 95-112
- Wager, The. 7(3): August 1986, 120-124
- Waldrop, M. Mitchell, *see also* McDermott, Drew
- Waldrop, M. Mitchell. *A Question of Responsibility*. 8(1): Spring 1987, 28-39
- Walker, Donald E. *Minutes of the Second Annual Meeting of the American Association for Artificial Intelligence*. 3(1): Winter 1981, 23-24
- Walker, Donald E. *Minutes of the Third Annual Meeting of the American Association for Artificial Intelligence*. 4(1): Spring 1983, 51
- Walker, Ellen Lowenfeld; Kanade, Takeo; and Herman, Martin. *A Framework for Representing and Reasoning about Three-Dimensional Objects for Vision*. 9(2): Spring 1988, 47-58
- Waltz, David. *Artificial Intelligence: An Assessment of the State-of-the-Art and, Recommendations for Future Directions*. 4(3): Fall 1983, 55-67
- Waltz, David. *Scientific DataLink's Artificial Intelligence Classification Scheme*. 6(1): Spring 1985, 58-63
- Wang, Ching-Huei, *see* Srihari, Sargur N.
- Ward, Nigel. *A Flexible, Parallel Generator of Natural Language*. 13(1): Spring 1992, 9-10
- Ward, Nigel. *Review of Machine Translation: Past, Present, Future*. 10(1): Spring 1989, 85
- Ward, Nigel. *Review of Natural Computation*. 13(2): Summer 1992, 102-103
- Warren, David H. D. *A View of the Fifth Generation and Its Impact*. 3(4): Fall 1982, 34-39
- Wasserman, Kenneth. *Physical Object Representation and Generalization: A Survey of Programs for, Semantic-Based Natural Language Processing*. 5(4): Winter 1985, 28-41
- Waterman, Donald, *see* Klahr, Philip
- Waters, Richard C. *KBEmacs: Where's the AI?* 7(1): Spring 1986, 47-56
- We Need Better Standards for Artificial Intelligence Research: President's Message*. 5(3): Fall 1984, 7-8
- Webb, Jon A. *A Guided Tour of Computer Vision: A Review*. 15(4): Winter 1994, 77-78
- Weinshall, Daphna, *see* Lim, William
- Weintraub, Joseph, and Cambridge Center for Behavioral Studies. *Turning Test Transcript for Terminal 5*. 13(2): Summer 1992, 82-94
- Weintraub, Joseph. *Expert Systems in Government Administration*. 10(1): Spring 1989, 69-71
- Weisbin, Charles R. *Intelligent-Machine Research at CESAR*. 8(1): Spring 1987, 62-74
- Weiss, Rich, *see* Popplestone, Robin J.
- Weitz, Rob R., *Technology, Work, and the Organization: The Impact of Expert Systems*. 11(2): Summer, 1990: 50-60
- Weitzman, Louis, *see* Hollan, James D.
- Weixelbaum, Elia S., *see* Wright, Jon R.
- Weld, Daniel S. *An Introduction to Least Commitment Planning*. 15(4): Winter 1994, 27-61
- Weld, Daniel. *The Seventh International Workshop on Qualitative Reasoning about Physical Systems*. 15(2): Summer 1994, 88
- Welty, Chris, *see* Bringsjord, Selmer
- Wendl, Ulrich. *Review of Automated Reasoning: Thirty-Three Basic Research Problems*. 10(3): Fall 1989, 103
- West, David M. and Travis, Larry E. *The Computational Metaphor and Artificial Intelligence: A Reflective Examination of a Theoretical Falsework*. 12(1): Spring 1991, 64-79
- West, David M., and Travis, Larry E. *From Society to Landscape: Alternative Metaphors for Artificial Intelligence*. 12(2): Summer 1991, 69-83
- Wexelblat, Richard L. *On Interface Requirements for Expert Systems*. 10(3): Fall 1989, 66-78
- What AI Can Do for Battle Management: A Report of the First AAAI Workshop on AI Applications to Battle Management*. 9(3): Fall 1988, 77-83
- What AI Practitioners Should Know about the Law, Part One*. 9(1): Spring 1988, 63-75
- What AI Pratitioners Should Know*

- about the Law, Part Two. 9(2): Spring 1988, 109-114
- What If AI Succeeds? *The Rise of the Twenty-First Century Artilect*. 10(2): Summer 1989, 17-22
- What Is a Knowledge Representation? 14(1): Spring 1993, 17-33
- What Is AI, Anyway? 8(4): Winter 1987, 59-65
- What Is the Well-Dressed AI Educator Wearing, Now? 3(1): Winter 1981, 13-14
- What Should Artificial Intelligence Want from the Supercomputers? 4(4): Winter 1984, 33-35, 31
- Where's the AI? 12(4): Winter 1991, 38-48
- White, Gregory B. *Review of A Comprehensive Guide to AI and Expert Systems: Turbo Pascal Edition*. 10(1): Spring 1989, 86-87
- Whitehead, J. Douglass and Roach, John W., *Hoist: A Second-Generation Expert System Based on Qualitative Physics*. 11(3): Fall 1990, 108-119
- Whittaker, A. Dale and Thieme, Ronald H. *Integration of Problem-Solving Techniques in Agriculture*. 10(2): Summer 1989, 85-87
- Why People Think Computers Can't. 3(4): Fall 1982, 3-15
- Wick, Michael R. *The 1988 AAAI Workshop on Explanation*. 10(3): Fall 1989, 22-26
- Wilensky, Robert. *Talking to UNIX in English: An Overview of an On-Line UNIX Consultant*. 5(1): Spring 1984, 29-39
- Wilkins, David E. *Comparative Analysis of AI Planning Systems: A Report on the AAAI Workshop*. 15(4): Winter 1994, 69-70
- Wilks, Yorick and Gomez, Rebecca. *New Mexico State University's Computing Research Laboratory*. 9(1): Spring 1988, 79-94
- William Mettrey. *An Assessment of Tools for Building Large Knowledge-Based Systems*. 8(4): Winter 1987, 81-89
- Williams, Brian, see Joskowicz, Leo
- Williams, Michael D., see Kunz, John C.
- Williams, Vernon. *Review of Artificial Intelligence and Robotics: Five Overviews*. 7(1): Spring 1986, 89-90
- Willick, Marshall S. *Artificial Intelligence: Some Legal Approaches and Implications*. 4(2): Summer 1983, 5-16
- Winning Robots from the 1993 Robot Competition, *The*. 14(4): Winter 1993, 51-62
- Winston, Patrick H. *Artificial Intelligence Research at the Artificial Intelligence Laboratory, Massachusetts Institute of Technology*. 4(2): Summer 1983, 44-48
- Woods, David D. *Cognitive Technologies: The Design of Joint Human-Machine Cognitive Systems*. 6(4): Winter 1986, 86-92
- Woolf, Beverly. *Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report*. 11(3): Fall 1990, 29-30
- Woolf, Beverly Park, Soloway, Elliot, Clancey, William J., Van Lehn, Kurt, and Suthers, Dan. *Knowledge-Based Environments for Teaching and Learning*. 11(5): January 1991, 74-77
- Workshop on Defeasible Reasoning with Specificity and Multiple Inheritance. 11(5): January 1991, 65-67
- Workshop on Distributed AI. 8(3): Fall 1987, 75-85
- Workshop on the Foundations of AI: Final Report. 8(1): Spring 1987, 55-59
- Wright, Jon R.; Weixelbaum, Elia S.; Vesonder, Gregg T.; Brown, Karen E.; Palmer, Stephen R.; Berman, Jay I.; and Moore, Harry H. *A Knowledge-Based Configurator that Supports Sales, Engineering, and Manufacturing at AT&T Network Systems*. 14(3): Fall 1993, 69-80
- Wu, Dekai. *Review of Natural Language Understanding*. 10(1): Spring 1989, 88-90
- Xinsong, Jiang; Guoning, Song; and Yu, Chen. *Artificial Intelligence Research in the People's Republic of China: A Review*. 4(4): Winter 1983, 43-48
- Yale Artificial Intelligence Project, *The: A Brief History*. 8(4): Winter 1987, 67-76
- Yale Artificial Intelligence Project. 2(2): Summer 1981, 42-44
- Yang, Qiang, see Lansky, Amy
- Yanli: *A Powerful Natural Language Front-End Tool*. 8(1): Spring 1987, 40-48
- Yen, John, see Patel-Schneider, Peter F.
- Yoshikawa, Hiroyuki, see Takeda, Hideaki
- You Mean It Really Works? Or Innovated, Deployed AI Applications. 10(3): Fall 1989, 13-15
- Young, Laurence see Franier, Richard
- Young, Sheryl R., see Hovy, Eduard
- Zadeh, Lotfi A. *A Simple View of the Dempster-Shafer Theory of Evidence and Its Implication for the Rule of Combination*. 7(2): Summer 1986, 85-90
- Zadeh, Lotfi A. *Review of A Mathematical Theory of Evidence*. 5(3): Fall 1984, 81-83
- Zhang, Hui, see Sanderson, Arthur C.
- Ziarko, Wojciech. *The First International Workshop on Rough Sets: State of the Art and Perspectives*. 14(3): Fall 1993, 29-31
- Zlotkin, Gilad, see Rosenschein, Jeffrey S.