

# Index

- A\* with Bounded Costs, 444
- Abductive Planning with Sensing, 631
- Acceleration Methods for Numeric CSPs, 19
- Acquisition of Abstract Plan Descriptions for Plan Recognition, 936
- Act, and the Rest Will Follow: Exploiting Determinism in Planning as Satisfiability, 948
- Action Language Based on Causal Explanation: Preliminary Report, An, 623
- Adachi, Yoshinobu, 1152
- Adaptive Web Sites: Automatically Synthesizing Web Pages, 727
- Agents that Work in Harmony by Knowing and Fulfilling their Obligations, 89
- Akkiraju, Rama, 1013
- Alechina, Natasha, 444
- Algebra for Cyclic Ordering of 2D Orientations, An, 643
- Algorithm to Evaluate Quantified Boolean Formulae, An, 262
- Algorithms for Propositional KB Approximation, 280
- Allen, James F., 567, 860
- Alternative Essences of Intelligence, 961
- Ambiguity and Constraint in Mathematical Expression Recognition, 784
- Ambite, Jose Luis, 211
- Analyzing External Conditions to Improve the Efficiency of HTN Planning, 913
- Anand, Sarabjot S., 574
- Anderson, Corin R., 897
- Anderson, Gail, 1020
- Andersson, Martin R., 38, 46
- ANSWER: Network Monitoring Using Object-Oriented Rules, 1087
- Answering Questions for an Organization Online, 532
- Anytime Approximate Modal Reasoning, 274
- Anytime Coalition Structure Generation with Worst Case Guarantees, 46
- Applying Online Search Techniques to Continuous-State Reinforcement Learning, 753
- Architecture for Exploring Large Design Spaces, An, 143
- Arens, Yigal, 1095
- Ashish, Naveen, 211, 1168
- Automated Intelligent Pilots for Combat Flight Simulation, 1047
- Automatic OBDD-Based Generation of Universal Plans in Non-Deterministic Domains, 875
- Bacchus, Fahiem, 311
- Backtracking Algorithms for Disjunctions of Temporal Constraints, 248
- Bailey-Kellogg, Christopher, 232
- Bailleux, Olivier, 386
- Baluja, Shumeet, 469
- Barber, K. S., 1193, 1195
- Barbuceanu, Mihai, 89
- Bares, William H., 1101
- Basin, David, 500
- Basu, Chumki, 714
- Bauer, Mathias, 936
- Baur, Ed, 1032
- Bayesian Network Models for Generation of Crisis Management Training Scenarios, 1113
- Bayesian Q-Learning, 761
- Bayesian Reasoning for Tropical Cyclone Intensity Forecasting and Risk Analysis, 1181
- Bayesian Reasoning in an Abductive Mechanism for Argument Generation and Analysis, 833
- Beck, Joseph E., 1185
- Becker, G. K., 1107
- Belief Revision with Unreliable Observations, 127
- Benferhat, S., 121
- Beveridge, J. Ross, 677
- Bienkowski, Marie A., 561
- BIG: A Resource-Bounded Information Gathering Agent, 539
- Billings, Darse, 493
- Biswas, Gautam, 219
- Blik, Christian, 319
- Bloedorn, Eric, 821

Boicu, Mihai, 1207  
 Bonasso, Peter, 1140  
 Boosting Classifiers Regionally, 700  
 Boosting Combinatorial Search through Randomization, 431  
 Boosting in the Limit: Maximizing the Margin of Learned Ensembles, 692  
 Boufkhad, Yacine, 280  
 Bourne, Juliet C., 1169  
 Boutilier, Craig, 127, 165, 746  
 Bradley, Elizabeth, 181  
 Branch and Bound Algorithm Selection by Performance Prediction, 353  
 Branching Factor of Regular Search Spaces, The, 299  
 Breazeal, Cynthia (Ferrell), 54  
 Breazeal, Cynthia (Ferrell), 961  
 Brodie, Mark, 665  
 Brooks, Rodney A., 961  
 Bruce, Rebecca, 800  
 Building Agents from Shared Ontologies through Apprenticeship Multistrategy Learning, 1207  
 Burgard, Wolfram, 11, 983, 989  
 Burke, Robin D., 532  
 Burns, Brendan, 1186  
  
 Cadoli, Marco, 262  
 Callaway, Charles B., 112  
 Calvanese, Diego, 205  
 Carroll, Mark, 143  
 Casson-du Mont, Andrew, 1020  
 Cerquides, Jesús, 1187, 1188  
 Chandrasekaran, B., 143  
 Chaudhri, Vinay K., 600  
 Chien, Steve, 1027  
 Choueiry, Berthe Y., 326  
 Cimatti, Alessandro, 875  
 Cimoch, Paul J., 1071  
 Clancy, Daniel J., 240  
 Classification Using an Online Genetic Algorithm, 1189  
 Claus, Caroline, 746  
 Clements, David P., 340  
 Coen, Michael H., 547  
 Cohen, Paul R., 739  
 Cohen, William, 714  
 Cohn, Anthony G., 643  
  
 Colton, Simon, 1170  
 Complete Anytime Beam Search, 425  
 Complexity Analysis of Admissible Heuristic Search, 305  
 Computing Intersections of Horn Theories for Reasoning with Models, 292  
 Conati, Cristina, 106  
 Concepts from Time Series, 739  
 Conformant Graphplan, 889  
 Constrainedness Knife-Edge, The, 406  
 Constructing the Correct Diagnosis When Symptoms Disappear, 151  
 Control Strategies in HTN Planning: Theory Versus Practice, 1127  
 Controlling Communication in Distributed Planning Using Irrelevance Reasoning, 868  
 Conversation Machines for Transaction Processing, 1160  
 Cooperating with People: The Intelligent Classroom, 555  
 Countrywide Automated Property Evaluation System - CAPES, 1039  
 Craven, Mark, 509  
 Crawford, James M., 286  
 Cremers, Armin B., 11, 983  
  
 Dasgupta, Dipankar, 83  
 Data Mining for Maintenance of Complex Systems, 1178  
 Date, Hiroyuki, 1152  
 Davies, Scott, 469, 753  
 Dávila, Jaime J., 1171  
 Davison, Brian D., 477, 1189  
 De Giacomo, Giuseppe, 205  
 de Mántaras, Ramon López, 1187, 1188  
 Dean, Thomas, 165  
 Dearden, Richard, 761  
 Decompositional, Model-Based Learning and its Analogy to Diagnosis, 197  
 Deeds-Rubin, Sophia, 1071  
 DeJong, Gerald, 665  
 Denecker, Marc, 840  
 Dependent Bigram Identification, 1197  
 Design Principles for Intelligent Environments, 547  
 desJardins, Marie, 868  
 Determan, J. C., 1107  
 Devaney, Mark, 942, 1190

Development of Outdoor Navigation for a Robotic Wheelchair System, 1208

DiPasquo, Dan, 509

Discourse Learning: Dialogue Act Tagging with Transformation-Based Learning, 1199

Discovering Admissible Simultaneous Equations of Large Scale Systems, 189

DL-Select: A Decision-List-Based Data-Mining System, 1205

Dubois, D., 121

Dubois, Didier, 588

Dukes-Schlossberg, Jon, 1095

Dumer, John, 1032

Dung, Phan Minh, 637

Dybala, Tom, 1055

Dynamics of Reinforcement Learning in Cooperative Multiagent Systems, The, 746

Edelkamp, Stefan, 299

Eiter, Thomas, 292

Emotion Model for Life-Like Agent and Its Evaluation, 62

Emotion-Based Agents, 1204

Empirical Acquisition of Word-Sense Distinctions, 1179

Ensuring Reasoning Consistency in Hierarchical Architectures, 1206

Epstein, Susan L., 135

Erb, David A., 143

Erol, Kutluhan, 1127

Estimating the Expected Error of Empirical Minimizers for Model Selection, 1200

Etherington, David W., 286

Etzioni, Oren, 727

Evolvable Hardware Chip for High Precision Printer Image Compression, 486

Experimenting with Power Default Reasoning, 846

Expert System for Alarm System Planning, An, 1152

Expert System Technology for Nondestructive Waste Assay, 1107

Exploiting Diversity for Natural Language Processing, 1174

Extending GENET to Solve Fuzzy Constraint Satisfaction Problems, 380

Extending Graphplan to Handle Uncertainty & Sensing Actions, 897

Extending the Classification Paradigm to Temporal Domains, 1177

Eye Finding via Face Detection for a Foveated Active Vision System, 969

Farquhar, Adam, 600

Farwell, David, 76

Fast Algorithm for the Bound Consistency of Alldiff Constraints, A, 359

Fast Probabilistic Modeling for Combinatorial Optimization, 469

Fast Transformation of Temporal Plans for Efficient Execution, 254

Fawcett, Tom, 706

Feature Generation for Sequence Categorization, 733

Feature-Based Learning Method for Theorem Proving, A, 457

Ferguson, George, 567

Fikes, Richard, 600

Finding Optimal Strategies for Imperfect Information Games, 500

First Analysis of Qualitative Influences and Synergies, A, 1187

Fisher, Forest, 1027

Fitoussi, David, 26

Fixpoint 3-Valued Semantics for Autoepistemic Logic, 840

Formal Methodology for Verifying Situated Agents, A, 637

Fox, Dieter, 11, 983, 989

Framework for Reinforcement Learning on Real Robots, A, 1202

Frameworks for Plan Generation

Frank, Ian, 500

Franklin, David, 555

Franklin, Stan, 83

Freed, Michael, 921

Freitag, Dayne, 509

Freitag, Dayne, 517

Friedman, Nir, 127, 157, 761

Fuchs, Matthias, 457

Fujimoto, Koji, 1191

Fuzzy Description Logic, A, 594

Garland, Andrew, 1172

Generalized A\* for Cyclic AND/OR Graphs, 1192

Generalizing Partial Order and Dynamic Backtracking, 319

- Generating Adequate Instructions: Knowing When to Stop, 1169
- Generating Coordinated Natural Language and 3D Animations for Complex Spatial Explanations, 112
- Generating Inference-Rich Discourse through Revisions of RST-Trees, 814
- Genetic Search for Accurate Feature Sets, 1186
- Gerevini, Alfonso, 905
- Gertner, Abigail S., 106
- Gervasio, Melinda T., 721
- Ghose, Supriyo, 1192
- Ginsberg, Matthew L., 334
- Giovanardi, Andrea, 262
- Giunchiglia, Enrico, 623, 948
- Gleeson, Barry, 1020
- Goal and Responsibility Allocation in Sensible Agent-Based Systems, 1195
- Goldberg, Henry G., 1055
- Gomes, Carla P., 431
- Greeley, Ronald, 1027
- Grégoire, Joël P., 1101
- Gribble, William S., 1173
- Grois, Eugene, 1113
- Grove, Adam J., 692
- Gupta, Gopal, 76
- Gutmann, Jens-Steffen, 989
- Hafner, Carole D., 615
- Hahn, Udo, 524
- Hähnel, Dirk, 11
- Hall, J. Storrs, 477
- Halpern, Joseph Y., 127
- Hammond, Kristian J., 532
- Handling Inconsistency for Multi-Source Integration, 1203
- Hanratty, Tim, 1032
- Hansen, Eric A., 412
- Hard Problems for CSP Algorithms, 398
- Hauskrecht, Milos, 165
- Hayden, James J., 1055
- Heckendorn, Robert B., 392
- Helfman, Richard, 1032
- Henderson, John C., 1174
- Hendler, James, 913
- Hermes: Supporting Argumentative Discourse in Multi-Agent Decision Making, 827
- Heuristic Search in Cyclic AND / OR Graphs, 412
- Hewett, Micheal, 1175
- Highest Utility First Search Across Multiple Levels of Stochastic Design, 477
- Higuchi, Tetsuya, 486
- Hirayama, Yuji, 62
- Hirsh, Haym, 714, 733
- Hoebel, Louis J., 561
- Hogg, Tad, 438
- Horacek, Helmut, 814
- Horling, Bryan, 539
- HR—Automatic Concept Formation in Finite Algebras, 1170
- Hsu, William H., 1113
- Hu, Junling, 1176
- Hughes, John G., 574
- Hulthage, Ingemar A. E., 1039
- Hybrid Knowledge Based System for Automatic Classification of B-scan Images from Ultrasonic Rail Inspection, 1121
- Hybrid Planning for Partially Hierarchical Domains, 882
- Iba, Wayne, 721
- Ibaraki, Toshihide, 292
- Improving Big Plans, 860
- Inferring State Constraints for Domain-Independent Planning, 905
- Information Extraction from HTML: Application of a General Machine Learning Approach, 517
- Ingham, Holly, 1032
- Integer Local Search Method with Application to Capacitated Production Planning, An, 373
- Integrating AI Components for a Military Planning Application, 561
- Integrating Topological and Metric Maps for Mobile Robot Navigation: A Statistical Approach, 989
- Intelligent Control of Life Support Systems for Space Habitats, 1140
- Interactive Museum Tour-Guide Robot, The, 11
- Inui, Nobuo, 1191
- Inuo, Takeshi, 486
- Irie, Robert, 961
- Ishida, Toru, 450
- Islı, Amar, 643
- Iterated Phantom Induction: A Little Knowledge Can Go a Long Way, 665
- Iwata, Masaya, 486

Iyer, Naresh, 143  
 Iyer, Ramesh, 373

Jarmulak, J., 1121  
 Joachims, Thorsten, 1201  
 Jones, Randolph M., 1047  
 Josephson, John R., 143  
 Joslin, David E., 340  
 Juillé, Hugues, 776  
 Junghanns, Andreas, 419  
 Justin A. Boyan, 3

Kadous, Mohammed Waleed, 1177  
 Kaelbling, Leslie Pack, 165, 1202  
 Kajihara, Nobuki, 486  
 Kambhampati, Subbarao, 882  
 Kambhatla, Nanda, 1160  
 Kaminka, Gal A., 97  
 Karacapilidis, Nikos, 827  
 Karp, Peter D., 600  
 Kautz, Henry, 431  
 Kemp, Charles C., 961  
 Kerckhoffs, E. J. H., 1121  
 Keskinocak, Pinar, 1013  
 Kim, Kee-Eung, 165  
 Kirkland, J. Dale, 1055  
 Klassner, Frank, 539, 997  
 Klavins, Eric, 846  
 Knoblock, Craig A., 211., 1203  
 Knowledge Intensive Exception Spaces, 574  
 Knowledge Lean Word—Sense Disambiguation, 800  
 Knowledge-Based Avoidance of Drug-Resistant HIV Mutants, 1071  
 Koller, Daphne, 157, 580, 1210  
 Korb, Kevin B., 833  
 Korf, Richard E., 299, 305  
 Kotani, Yoshiyuki, 1191  
 Kott, Alexander, 1063  
 Koubarakis, Manolis, 248  
 Kudenko, Daniel, 733  
 Kuipers, Benjamin J., 240, 989  
 Kulyukin, Vladimir A., 532

Laird, John E., 928, 1047, 1206  
 Lakemeyer, Gerhard, 11

Lang, J., 121  
 Lang, Jérôme, 268  
 Langley, Pat, 684, 721  
 Larrosa, Javier, 347  
 Larson, Kate, 46  
 Lathrop, Richard H., 1071  
 Le Berre, Daniel, 588  
 Learning Cooperative Lane Selection Strategies for Highways, 684  
 Learning Evaluation Functions for Global Optimization and Boolean Satisfiability, 3  
 Learning in Markov Games with Incomplete Information, 1176  
 Learning Investment Functions for Controlling the Utility of Control Knowledge, 463  
 Learning to Classify Text from Labeled and Unlabeled Documents, 792  
 Learning to Extract Symbolic Knowledge from the World Wide Web, 509  
 Learning to Predict User Operations for Adaptive Scheduling, 721  
 Learning to Resolve Natural Language Ambiguities: A Unified Approach, 806  
 Learning to Teach with a Reinforcement Learning Agent, 1185  
 Lebbah, Yahia, 19  
 Ledeniov, Oleg, 463  
 Lee, Seok Won, 1207  
 Lee, Yongwon, 1095  
 Lemaître, Michel, 353  
 Lenzerini, Maurizio, 205  
 Lesh, Neal, 860  
 Lesser, Victor, 539, 997  
 Lester, James C., 112., 1101  
 Létourneau, Sylvain, 1178  
 Leung, Ho-fung, 380  
 Leuven, K. U., 840  
 Leveled Commitment Contracts with Myopic and Strategic Agents, 38  
 Lhomme, Olivier, 19  
 Li, Qingyuam, 143  
 Lifschitz, Vladimir, 623  
 Littman, Michael L., 954  
 Liu, T. H., 1193  
 Lo, Edisanter, 1027  
 Lobjois, Lionel, 353  
 Local Search for Statistical Counting, 386

Logan, Brian, 444  
 Logical Representation and Computation of  
     Optimal Decisions in a Qualitative Setting,  
     588  
 Love, Bradley C., 671  
  
 Machine Learning of Generic and User-Focused  
     Summarization, 821  
 Macintosh, Ann, 1020  
 Maclin, Richard, 700  
 Maintaining Consistency in Hierarchical Reasoning,  
     928  
 Majercik, Stephen M., 954  
 Makino, Kazuhisa, 292  
 Mali, Amol D., 882, 1194  
 Managing Multiple Tasks in Complex, Dynamic  
     Environments, 921  
 Mani, Inderjeet, 821  
 Marek, Victor, 840  
 Margaritis, Dimitris, 977  
 Marjanovic, Matthew, 961  
 Markovitch, Shaul, 463  
 Marquis, Pierre, 268  
 Martin, Nathaniel, 860  
 Massacci, Fabio, 274  
 Massarotto, Alessandro, 948  
 Matsubara, Hitoshi, 500  
 McCallum, Andrew, 509, 792  
 McConachy, Richard, 833  
 McGuinness, Deborah L., 608  
 McKay, Ryan, 1195  
 Medin, Douglas L., 671  
 Mercer, Albert, 1063  
 Meseguer, Pedro, 347  
 Metacognition in Software Agents Using Classifier  
     Systems, 83  
 Meuleau, Nicolas, 165  
 Michaud, Lisa N., 1196  
 Millar, William, 197  
 Miller, Erik G., 784  
 Minimal Social Laws, 26  
 Minton, Steven, 211, 1203  
 Mitchell, David G., 398  
 Mitchell, Tom, 509, 792  
 Miura, Teruhisa, 450  
 Modeling Web Sources for Information Integration,  
     211  
 Modi, Pragnesh Jay, 211  
 Monderer, Dov, 32  
 Moore, Andrew W., 3, 753  
 Moriarty, David E., 684  
 Morris, Paul, 254  
 Mosterman, Pieter J., 219  
 Motivational System for Regulating Human-Robot  
     Interaction, A, 54  
 Motoda, Hiroshi, 189  
 Multi Machine Scheduling: An Agent-Based  
     Approach, 1013  
 Multimodal Reasoning for Automatic Model  
     Construction, 181  
 Multimodal, Multilevel Selective Attention, 1175  
 Murdock, J. William, 1201  
 Murthy, Sesh, 1013  
 Muscettola, Nicola, 254  
 Muslea, Ion, 211  
  
 Nakajima, Hiroshi, 62  
 Nakata, Masatomo, 1152  
 Nakatani, Tomohiro, 1004  
 Nakaya, Shogo, 486  
 NASD Regulation Advanced Detection System  
     (ADS), The, 1055  
 Natural Language Multiprocessing: A Case Study,  
     76  
 Nau, Dana S., 913, 1079, 1127  
 Nawab, Hamid, 997  
 Needles in a Haystack: Plan Recognition in Large  
     Spatial Domains Involving Multiple Agents,  
     942  
 Nested Joint Probability Model for Morphological  
     Analysis and Its Grid Pruning, 1191  
 Neural Approaches to Blind Separation and  
     Cumulant Analysis and Its Application to  
     Diagnostics of Nuclear Power Plants, 1180  
 New Approach to Rule Interest Measures, A, 1188  
 New Architecture for Automated Modelling, A, 225  
 New Technique Enables Dynamic Replanning and  
     Rescheduling of Aeromedical Evacuation, A,  
     1063  
 Ng, Andrew Y., 753  
 Nielsen, Paul E., 1047  
 Nigam, Kamal, 509, 792  
 Nolan, James R., 1134  
 Nondeterministic Semantics for Tractable Inference,  
     A, 286

- Noubir, Guevara, 326
- Noy, Natalya Fridman, 615
- O'Hara, Tom, 1179
- OKBC: A Programmatic Foundation for Knowledge Base Interoperability, 600
- Okuno, Hiroshi G., 1004
- On the Computation of Local Interchangeability in Discrete Constraint Satisfaction Problems, 326
- Ontology for Transitions in Physical Dynamic Systems, An, 219
- Opponent Modeling in Poker, 493
- Optimal 2D Model Matching Using a Messy Genetic Algorithm, 677
- Optimal Auctions Revisited, 32
- Optimizing Information Agents by Selectively Materializing Data, 1168
- Optimizing Initial Configurations of Neural Networks for the Task of Natural Language Learning, 1171
- Ourmanov, Alexei, 1180
- Papadias, Dimitris, 827
- Papp, Denis, 493
- Parallel AI, Agents and Representation
- Parkes, Andrew J., 334
- Patel-Schneider, Peter F., 608
- Patterson, David W., 574
- Pazzani, Michael J., 1071
- Pedersen, Ted, 800, 1197, 1198
- Perception, Memory, and the Field of View Problem, 1173
- Perkowitz, Mike, 727
- Peshkin, Leonid, 165
- Pfeffer, Avi, 157, 580
- Philpot, Andrew G., 211
- Pinto-Ferreira, Carlos A., 1204
- Plan Recognition in Complex Spatial Domains, 1190
- Pluto: Managing Multistrategy Learning through Planning, 1201
- Poirot, Daniel, 1140
- Pollack, Jordan B., 776
- Pontelli, Enrico, 76
- Position Estimation for Mobile Robots in Dynamic Environments, 983
- Prade, H., 121, 588
- Pragmatic Multi-Agent Learning, 1172
- Preface, xix
- Probabilistic Frame-Based Systems, 580
- Procedural Help in Andes: Generating Hints Using a Bayesian Network Student Model, 106
- Producing BT's Yellow Pages with Formation, 1020
- Prototype Application of Fuzzy Logic and Expert Systems in Education Assessment, A, 1134
- Provost, Foster, 706
- Puget, Jean-Francois, 359
- Qualitative Analysis of Distributed Physical Systems with Applications to Control Synthesis, 232
- Qualitative Simulation as a Temporally-Extended Constraint Satisfaction Problem, 240
- Rae, Robert, 1020
- Raja, Anita, 539
- Ram, Ashwin, 942, 1201
- Rana, Soraya, 392
- Raphael, Miriam P., 1071
- Rational Multiagent Organization and Reorganization, 1182
- Raw Corpus Word Sense Disambiguation, 1198
- Realtime Constraint-Based Cinematography for Complex Interactive 3D Worlds, 1101
- Reasoning under Inconsistency Based on Implicitly-Specified Partial Qualitative Probability Relations: A Unified Framework, 121
- Recommendation as Classification: Using Social and Content-Based Information in Recommendation, 714
- Reducing Query Answering to Satisfiability in Nonmonotonic Logics, 853
- Reed, Nancy E., 151
- Refinement-Based Planning as Satisfiability, 1194
- Reid, Michael, 305
- Representing Scientific Experiments: Implications for Ontology Design and Knowledge Sharing, 615
- Reversible DAC and Other Improvements for Solving Max-CSP, 347
- Rice, James P., 600
- Rizzoni, Giorgio, 143
- Robust Classification Systems for Imprecise Environments, 706
- Role of Data Reprocessing in Complex Acoustic Environments, The, 997
- Romero, Roseli, 977

Ros, Johannes P., 1087  
 Rosati, Riccardo, 853  
 Rosenstein, Michael T., 739  
 Roth, Dan, 806  
 Rounds, William C., 846  
 Roveri, Marco, 875  
 Roy, Amitabha, 334  
 Rumantir, Grace W., 1181  
 Russell, Stuart, 173, 761  
 Ryan, Daniel, 1140  
  
 Sabbadin, Régis, 588  
 Saffiotti, A., 121  
 Sakanashi, Hidenori, 486  
 Sakata, Daigo, 1152  
 Saks, Victor, 1063  
 Salami, Mehrdad, 486  
 Sampling-Based Heuristic for Tree Search Applied to Grammar Induction, A, 776  
 Samuel, Ken, 1199  
 Sandholm, Tuomas W., 38, 46  
 Sattar, Abdul, 367, 656  
 Scassellati, Brian, 961, 969  
 Schaeffer, Jonathan, 419, 493  
 Schaerf, Marco, 262  
 Scheffer, Tobias, 1200  
 Schiex, Thomas, 347  
 Schnattinger, Klemens, 524  
 Schreckenghost, Debra, 1140  
 Schubert, Lenhart, 905  
 Schulz, Dirk, 11  
 Schuurmans, Dale, 692  
 Script-Based Approach to Modifying Knowledge-Based Systems, A, 1183  
 Sebastiani, Roberto, 948  
 See, Darryl M., 1071  
 Selection of Conflict Resolution Strategies in Dynamically Organized Sensible Agent-Based Systems, 1193  
 Selman, Bart, 431  
 Senator, Ted E., 1055  
 Shehory, Onn, 46  
 Shippey, Gordon T., 1201  
 Shyr, Ping, 1055  
 SIGART, AAAI Doctoral Consortium Abstracts  
 Singhal, Anoop, 1087  
 Single-Agent Search in the Presence of Deadlocks, 419  
 Slattery, Seán, 509  
 Smart, William D., 1202  
 Smets, P., 121  
 Smith, David E., 889, 897  
 Smith, Neil, 225  
 Smith, Stephen J. J., 1079, 1127  
 Smith, Wayne A., 1182  
 Solving Very Large Weakly Coupled Markov Decision Processes, 165  
 Sound Ontology for Computational Auditory Science Analysis, 1004  
 Speech Recognition with Dynamic Bayesian Networks, 173  
 Split Up: The Use of an Argument Based Knowledge Representation to Meet Expectations of Different Users for Discretionary Decision Making, 1146  
 Sponsoring Organizations and Outstanding Papers, xxiv  
 “Squeaky Wheel” Optimization, 340  
 Srivastava, Biplav, 882  
 Steffen, Nicholas R., 1071  
 Steinberg, Louis, 477  
 Steiner, Walter, 11  
 Stergiou, Kostas, 248  
 Stobie, Iain, 1039  
 Stochastic Node Caching for Memory-Bounded Search, 450  
 Stolle, Reinhard, 181  
 Stone, Matthew, 631  
 Straccia, Umberto, 594  
 Stranieri, Andrew, 1146  
 Structured Probabilistic Models: Bayesian Networks and Beyond, 1210  
 Structured Representation of Complex Stochastic Systems, 157  
 Success in Spades: Using AI Planning Techniques to Win the World Championship of Computer Bridge, 1079  
 Supermodels and Robustness, 334  
 SUSTAIN: A Model of Human Category Learning, 671  
 Szafron, Duane, 493  
 Takahashi, Kazuhisa, 1152  
 Tallis, Marcelo, 1183



Tambe, Milind, 97  
 Tan, Yao-Hua, 650  
 Tecuci, Gheorghe, 1207  
 Tejada, Sheila, 211, 1203  
 Template-Based Recognition of Pose and Motion Gestures on a Mobile Robot, 977  
 Temporal Analysis of Chisholm's Paradox, The, 650  
 Temporal Reasoning with Qualitative and Quantitative Information about Points and Durations, 656  
 Tennenholtz, Moshe, 26, 32  
 the Conversion between Non-Binary and Binary Constraint Satisfaction Problems, On, 311  
 Thornton, John, 367  
 Thronesbery, Carroll, 1140  
 Throop, Thomas A., 1079  
 Thrun, Sebastian, 11, 792, 977, 983, 989  
 Tilles, Jeremiah G., 1071  
 Tohmé, Fernando, 46  
 Toward Design as Collaboration, 135  
 Towards Text Knowledge Engineering, 524  
 Towns, Stuart G., 112  
 Tractable Walsh Analysis of SAT and its Implications for Genetic Algorithms, A, 392  
 Traverso, Paolo, 875  
 Tree Based Discretization for Continuous State Space Reinforcement Learning, 769  
 TRIPS: An Integrated Intelligent Problem-Solving Assistant, 567  
 Truszczynski, Mirosław, 840  
 Tsamardinos, Ioannis, 254  
 Tsuneto, Reiko, 913  
 Tsurushima, Akira, 1152  
 Turbine Engine Diagnostics (TED): An Expert Diagnostic System for the M1 Abrams Turbine Engine, 1032  
 Tutorial Response Generation in a Writing Tool for Deaf Learners of English, 1196  
 Two Forms of Dependence in Propositional Logic: Controllability and Definability, 268  
 Urushima, Kenji, 1152  
 Usability Issues in Knowledge Representation Systems, 608  
 Ushida, Hirohide, 62  
 Using Arc Weights to Improve Iterative Repair, 367  
 Using Artificial Intelligence Planning to Automate SAR Image Processing for Scientific Data Analysis, 1027  
 Using Caching to Solve Larger Probabilistic Planning Problems, 954  
 Uther, William R. B., 769  
 van Beek, Peter, 311  
 van der Torre, Leendert W. N., 650  
 VanLehn, Kurt, 106  
 Veen, P. P. van't, 1121  
 Velásquez, Juan D., 70  
 Veloso, Manuela M., 769  
 Venkatasubramanian, Narayan, 373  
 Ventura, Rodrigo M. M., 1204  
 Verfaillie, Gérard, 347  
 Viola, Paul A., 784  
 Voloshin, Mikhail, 1113  
 Wagner, Thomas, 539  
 Waldherr, Stefan, 977  
 Walser, Joachim P., 373  
 Walsh, Toby, 406  
 Warfighter's Information Packager, 1095  
 Wasacz, Bryon, 143  
 Washio, Takashi, 189  
 Weinmeister, Karl, 1205  
 Weiss, Gary M., 1087  
 Weld, Daniel S., 889  
 Weld, Daniel S., 897  
 Wetprasit, Rattana, 656  
 What Can Knowledge Representation Do for Semi-Structured Data?, 205  
 What Is Wrong With Us? Improving Robustness through Social Diagnosis, 97  
 When Robots Weep: Emotional Memories and Decision-Making, 70  
 Which Search Problems Are Random?, 438  
 Whitley, Darrell, 392  
 Wiebe, Janyce, 76  
 Wilkins, David C., 1113  
 Williams, Brian C., 197  
 Williamson, Matthew M., 961  
 Wolf, Catherine, 1160  
 Wolverton, Michael, 868  
 Wong, Jason H. Y., 380  
 Wray III, Robert E., 928, 1206

Wright, Kathryn, 1207  
Wu, Frederick, 1013

Yamauchi, Tsukasa, 486  
Yanco, Holly A., 1208  
Ye, Yiming, 1160

Zadrozny, Wlodek, 1160  
Zeleznikow, John, 1146  
Zev, Marc, 1095  
Zhang, Guo-Qiang, 846  
Zhang, Shelley XQ., 539  
Zhang, Weixiong, 425, 1095  
Zhang, Zhaohua, 83  
Zhao, Feng, 219, 232  
Zilberstein, Shlomo, 412  
Zukerman, Ingrid, 833  
Zweig, Geoffrey, 173