Opportunities from open source search p. 2
Knowledge representation and unmanned aerial vehicles p. 9
Agreement technologies p. 17
An adaptive architecture for physical agents p. 18
Providing expert advice by analogy for on-line help p. 26
Evolution in simple systems and the emergence of complexity p. 33
A compact multiagent system based on autonomy oriented computing p. 38
Dynamic determination of the itinerary of mobile agents with timing constraints p. 45
Dynamic lightpath protection in WDM optical networks using ant-based mobile agents p. 51
An internal agent architecture incorporating standard reasoning components and standards-based agent communication p. 58
A personality-based model of agents for representing individuals in working organizations p. 65
Using ODML to model multi-agent organizations p. 72
On the use of hierarchical power-law network topology for server selection and allocation in multi-agent systems p. 81
A mobile autonomous agent-based secure payment protocol supporting multiple payments p. 88
Goal-oriented methodology for agent system development p. 95
On different trust attitudes and their effects on the electronic marketplace p. 102
Modeling and simulating the dynamics of service agent networks p. 109
Modeling organization structure of multi-agent system p. 116
Agent services-oriented architectural design of open complex agent systems p. 120
The bullwhip effect: a counterexample p. 124
An abstract architecture for computational reflection in multi-agent systems p. 128
An agent-based platform for Web-enabled equipment predictive maintenance p. 132
Agent-based simulation of coalition formation in cooperative games p. 136
Optimizing agents operation in partially inaccessible and disruptive environment p. 140
A method for designing agents to support collaborative applications p. 144
Evolving biosciences in multi-agent systems p. 148
Partial adjustable autonomy in multi agent environment and its application to military logistics p. 152
A parallel BDI agent architecture p. 157
Modelling pedestrian behaviour using the BDI architecture p. 161
Actionable knowledge model for GUI regression testing p. 165
Abstraction of transition properties in multiagent organizations p. 169
Can proactive behavior turn chatterbots into conversational agents? p. 173
Computation of meta-learning classifiers in distributed data mining using a novel cognitive memory model p. 180
Mining for interesting action rules p. 187
Challenge-sensitive action selection: an application to game balancing p. 194
Creating wholly autonomous agents in on-line worlds p. 201
On the stability of adjustment processes with persistent randomness p. 208
Understanding domain knowledge: concept approximation using rough mereology p. 217
Classification of examples by multiple agents with private features p. 223
Personalization in multi-agent systems p. 230
Using similarity measures for an efficient business information-exchange p. 234
A collaborative and multi-agent approach to e-mail filtering p. 238
Category-based similarity algorithm for semantic similarity in multi-agent information sharing systems p. 242
'Auto-presentation': a multi-agent system for building automatic multi-modal presentation of a topic from World Wide Web information p. 246
MAX-sense: a mobile agent approach to active and adaptive distributed monitoring p. 250
Modeling annotators to improve semantic annotation and retrieval of images p. 254
Informational middleware based on mutual awareness p. 258
Agent-based modeling of third-party logistics performance indicators p. 262
Qualitative orientation reasoning in spatial multi-agent environment p. 266
A new approach to agency in a collaborative decision-making process p. 273
Towards an authority sharing based on the description logic action model p. 277
A cognitive model of interaction for software agents p. 281
Distributed learning of multi-agent causal models p. 285
A multiagent architecture for semantic Web resources p. 289
A dialogue agent with adaptive and proactive capabilities p. 293
Sharing engineering information and knowledge p. 297
A generic multi-agent system platform for business workflows using Web services composition p. 301
Fuzzy Q-learning with the modified fuzzy ART neural network p. 308
Conversation pattern-based anticipation of teammates' information needs via overhearing p. 316
A BDI agent architecture for dialogue modelling and coordination in a smart personal assistant p. 323
NEURAL-trust: stimulating cooperation engagements in multi-agents systems p. 330
An improved multiagent reinforcement learning algorithm p. 337
Exploiting multi-agent interactions for identifying the best-payoff information source p. 344
Self-organizing cognitive agents and reinforcement learning in multi-agent environment p. 351
A synthesis between mental attitudes and social commitments in agent communication languages p. 358
Automating the dispute resolution a task dependency network p. 365
"What if?" Dealing with uncertainty in Repage's mental landscape p. 372
A flexible BDI architecture supporting extensibility p. 379
Multiagent reputation management to achieve robust software using redundancy p. 386
A comparison of adaptive and static agents in equity market trading p. 393
Reinforcement learning in swarms that learn p. 400
Coordinating non cooperative planning agents: complexity results p. 407
Meta-agency and individual-power : an experimental approach  p. 414
On rough judgment making by socio-cognitive agents  p. 421
Decomposing large-scale POMDP via belief state analysis  p. 428
The external fault-tolerant layer supporting multi-agent systems from different vendors  p. 435
Improving the agent-oriented modeling realization by roles  p. 439
From single static to multiple dynamic combinatorial auctions  p. 443
Third-party subscription in multiparty dialogues for agent teams  p. 447
Performance evaluation of dynamically assembled multiagent systems  p. 451
Modelling multiagent bayesian networks with inclusion dependencies  p. 455
An agent component-oriented software process  p. 459
Improvisational multi-agent organization : using director agent to coordinate improvisational agents  p. 463
Model-based reinforcement learning for a multi-player card game with partial observability  p. 467
Trading in open marketplace using trust and risk  p. 471
Executable specifications for agent oriented conceptual modelling  p. 475
Flexible exception handling in a multi-agent enactment model for knowledge-intensive processes  p. 479
Exception diagnosis in open multi-agent systems  p. 483
Learning dynamic preferences in multi-agent meeting scheduling  p. 487
On detecting deception in agent societies  p. 491
Rules for translating interaction protocols into a B formal representation  p. 495
On the interplay of roles and power  p. 499
Delegation mechanisms for agent architectural design  p. 503
Increasing the migration efficiency of Java-based mobile agents  p. 508
Generating adequate representations for learning from interaction in complex multiagent simulations  p. 512
Role-based rights in artificial social systems  p. 516
Theoretical analysis on a traffic-based routing algorithm of mobile agents  p. 520
Cooperative community selection in multi agent filtering framework  p. 527
Trust model for open ubiquitous agent systems  p. 536
Admissible agreements among goal-directed agents  p. 543
Analyzing myopic approaches for multi-agent communication  p. 550
Solving generalized open constraint optimization problem using two-level multi-agent framework  p. 558
An approximate pareto optimal cooperative negotiation model for multiple continuous dependent issues  p. 565
Competition, cooperation and collective behaviour : resource utilization in non-stationary environments  p. 572
Complexity of a theory of collective attitudes in teamwork  p. 579
The minority game strategy in team competition : how and when?  p. 587
Decomposition techniques for a loosely-coupled resource allocation problem  p. 595
An efficient distributed protocol for online gossiping problem  p. 599
CCCI metrics for the measurement of quality of e-service p. 603
Agent-based service coordination for the grid p. 611
Estimating and measuring performance of computational agents p. 615
Agent-based negotiation between partners in loose inter-organizational workflow p. 619
Combinatorial markets for efficient energy management p. 626
A framework for multiple criteria English reverse auctions p. 633
A study on dynamic bargaining strategy under time constraints and with incomplete information p. 640
Estimation of the buyer's contract space incorporating learning from experience techniques to the seller's rationale in e-commerce context p. 646
Adaptive pricing functions for open outcry auctions p. 653
SpeechPA: an ontology-based speech interface for personal assistants p. 657
Real-time cooperative multi-target tracking by dense communication among active vision agents p. 664
Using a multi-agent organization description language to describe contract dynamics in virtual enterprises p. 672
Using the Erlang language for multi-agent systems implementation p. 679
A student agent in a CAI system p. 686
Corroborating role theory and intelligent agents: a new paradigm to support collaborative learning? p. 690
A lightweight description model to support experience management p. 694
Managing commitments in a multi agent system using passive bids p. 698
Agent-based personal article citation assistant p. 702
A tool for agent communication in Mozart/Oz p. 706
A system of emotional agents for decision-support p. 711
A multi-agent system for the management of e-government services p. 718
Improving operational efficiency of Web services with mobile agent technology p. 725
BSCA-F: efficient fuzzy valued stable coalition forming among agents p. 732
Web-MASI: multi-agent systems interoperability using a Web services based approach p. 739
PASIBC: a novel .net agent platform for knowledge based information systems p. 743
Improved template for agent pattern description p. 747
An application of ontology technologies to robotic agents p. 751
Automatic generation of self-controlled autonomous agents p. 755
Hierarchical clustering analysis from genomic dataset p. 759

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.