

Index

- Abraham, Maryvonne, 338
- Abstracting Web Agent Proofs into Human-Level Justifications, 80
- Accessing XML Documents Using Semantic Meta Data in a P2P Environment, 272
- Adaptation of Hierarchical Task Network Plans, 429
- Adapting Psychologically Grounded Facial Emotional Expressions to Different Anthropomorphic Embodiment Platforms, 565
- Aha, David W., 399
- Al Shehabi, Shadi, 509
- Alba-Flores, Rocio, 128
- Álvarez, Francisco Jose, 512
- An, Yoo Jung, 176
- Annotation in Computer Assisted Reading and Analysis of Texts, 21
- Annotation of Children's Oral Narrations: Modeling Emergent Narrative Skills for Computational Applications, 253
- Applied Natural Language Processing, 192
- Applying Heuristic Evaluation to Human-Robot Interaction Systems, 44
- Approach to Email Categorization with the ME Model, An, 229
- Arcos, Josep-Lluís, 8
- Argumentation Based Approach to Multi-Agent Learning, An, 405
- Arkin, Ronald C., 44
- Artificial Intelligence and Social Semantic Collaboration, 271
- Artificial Intelligence Education, 296
- Artificial Intelligence for Adaptive Computer Games, 22
- Ashley, Kevin D., 387
- Assessing *Entailer* with a Corpus of Natural Language from an Intelligent Tutoring System, 247
- Atanassova, Iana, 350
- Attribute-Oriented Knowledge Discovery in Rough Relational Databases, 507
- Atzmueller, Martin, 518
- Aufaure, Marie-Aude, 460
- Automated Search for the Quantitative Laws Affecting CO₂ Fugacity in Sea Water, 638
- Automatic Annotation and Information Retrieval, 337
- Automatic Annotation of Discourse and Semantic Relations Supplemented by Terminology Extraction for Domain Ontology Building and Information Retrieval, 374
- Autonomous Classification of Knowledge into an Ontology, 140
- Bak, Adrian, 199
- Baltera, Constance G., 553
- Bandyopadhyay, Sivaji, 223, 261
- Barlatier, Patrick, 448
- Barloy, Yann, 548
- Barták, Roman, 134, 641
- Battré, Dominic, 272
- Bauerdick, Hanna, 647
- Baumeister, Joachim, 518, 524
- Beaubouef, Theresa, 507
- Beierle, Christoph, 74
- Bejan, Cosmin Adrian, 259
- Benferhat, Salem, 38
- Bennacer, Nacera, 460
- Beyer, Anja, 559
- Bigham, Sarah C., 247
- Biskri, Ismail, 344
- Blais, Antoine, 350
- Blanzieri, Enrico, 441
- BlockTree—Pedagogical Information Visualization for Heuristic Search, 303
- Bölöni, Ladislau, 180
- Borrajo, Daniel, 393
- Brageul, David, 653
- Brazdil, Pavel, 193
- Bryl, Anton, 441
- Buraga, Sabin, 278
- Burhans, Debra T., 321
- Burns, Stanley, 128
- Business Rules Design and Refinement Using the XTT Approach, 536
- Buxton, Bernard F., 423
- Campbell, John A., 423
- Caroprese, Luciano, 178
- Carvalho, André, 622
- Carvalho, Juliana, 80
- Case-Based Collective Classification, 399
- Case-Based Reasoning, 386
- Case-Based Recommendation of Node Ordering in Planning, 393
- Case Elaboration Methodology for a Diagnostic and Repair Help System Based on CBR, A, 411
- Cepek, Ondrej, 641
- Chan, Jason, 580
- Chang, Cynthia, 80
- Chebel-Morello, Brigitte, 411
- Clarkson, Edward, 44

- Clustering and Approximate Identification of Frequent Item Sets, 502
- Cohesion and Structural Organization in High School Texts, 235
- Collins, William J., 327
- Combining Machine Learning with Linguistic Heuristics for Chinese Word Segmentation, 241
- Competitive Neural Network Training: A Multi-Resolution Approach, 188
- Compiling Experience into Knowledge, 550
- Compositional Belief Update, 68
- Context in AI Tools and Applications, 447
- Context-Sensitive MTL Networks for Machine Lifelong Learning, 628
- Contextual Concept Discovery Algorithm, 460
- Continanza, Christopher, 315
- Cook, Diane J., 496
- Cordeiro, João, 193
- Corradini, Andrea, 199, 265
- Cortese, Giovanni, 272
- Creel, James, 50
- Crossley, Scott A., 205, 247
- Csomai, András, 211
- Dabrowski, Maciej, 290
- Dai, Peng, 56
- Danielson, Mats, 62
- Dankel, Douglas D. II, 184
- Dapoigny, Richard, 448
- Data Mining, 478
- de Buenaga, Manuel, 512
- de la Calleja, Jorge, 634
- de la Rosa, Josep Lluís, 454
- de la Rosa, Tomás, 393
- Decision Theoretic View on Choosing Heuristics for Discovery of Graphical Models, A, 170
- Delgrande, James, 68
- Dempsey, Kyle B., 217
- Deriving Chronological Information from Texts through a Graph-Based Algorithm, 259
- Desclés, Jean-Pierre, 13, 350, 356
- Deshwal, Priyendra, 80
- Design and Implementation of a Successful General Game Playing Agent, The, 110
- Design, Evaluation, and Refinement of Intelligent Systems, 511
- Detection and Classification of Cardiac Murmurs Using Segmentation Techniques and Artificial Neural Networks, 128
- Dias, Gaël, 193
- Discourse Automatic Annotation of Texts: An Application to Summarization, 350
- Discriminating between Second Language Learning Text-Types, 205
- Disjunctive Bottom Set and Its Computation, 610
- Distance-Based Over-Sampling Method for Learning from Imbalanced Data Sets, A, 634
- Djioua, Brahim, 356, 374
- Document Semantic Annotation for Intelligent Tutoring Systems: A Concept Mapping Approach, 380
- Dufty, David F., 235
- Dumitriu, Sergiu, 278
- Dylla, Frank, 673
- Dynamic DDN Construction for Lightweight Planning Architectures, 158
- Efficient Caching in Elimination Trees, 98
- Ekbal, Asif, 223, 261
- Ekenberg, Love, 62
- Elkhlifi, Aymen, 362
- Embedding Emotional Context in Recommender Systems, 454
- Enhanced Case-Based Reasoning through Use of Argumentation and Numerical Taxonomy, 423
- Enhancing the Performance of Semi-Supervised Classification Algorithms with Bridging, 580
- Epstein, Susan L., 616
- Evolution and Evaluation of an Internet Search Tool for Information Analysts, The, 435
- Explaining Task Processing in Cognitive Assistants that Learn, 284
- Exploiting MindStorms NXT: Mapping and Localization Projects for the AI Course, 315
- Extended Neural Gas Model for Efficient Data Mining Tasks, An, 509
- Extending Community Ontology Using Automatically Generated Suggestions, 290
- Faiz, Rim, 362
- Ferres, Leo, 263
- Finding Data, Knowledge, and Answers on the Semantic Web, 2
- Finin, Tim, 2
- Fisseler, Jens, 74
- Foundations of Similarity and Utility, 30
- Fox, Susan, Eileen 297
- Franklin, Judy A., 553
- Frasson, Claude, 380
- Freisleben, Bernd, 443
- Freudenthal, Eric, 104
- Frommberger, Lutz, 586, 673

- Fuentes, Olac, 104, 634
 Furcy, David, 303
 Furtado, Vasco, 80
 Fuzzy Temporal Relations for Fault Management, 647
- Galand, Lucie, 86
 Gama, João, 622
 Game State versus Play State: From DVDi Games to a Language of Gaming Experience, 577
 Games and Entertainment, 552
 Gant, John, 484
 Garalevicius, Saulius Juozas, 92
 García Olaya, Angel, 393
 Garcia, Daniela, 374
 Geller, James, 176
 Generalizing Spatial Representation for Robot Navigation with Reinforcement Learning, A, 586
 Generating Reports from Case-Based Knowledge Artifacts, 445
 Generic Memory Module for Events, A, 152
 Gîrdea, Marta, 278
 Glass, Alyssa, 284
 Goldsmith, Judy, 56
 Gómez, José María, 512
 González, Gustavo, 454
 Goodkind, Adam, 253
 Gottfried, Björn, 647
 Grachten, Maarten, 8
 Graesser, Arthur C., 247
 Grant, Kevin, 98
 Grimes, Diarmuid, 592
 Grizard, Amandine, 565
 Guesgen, Hans W., 653, 671
 Guiding Inference with Policy Search Reinforcement Learning, 146
 Gunawardena, Sidath, 445
- Gupta, Kalyan Moy, 399
 Gutstein, Steven, 104
- Hachani, Narjes, 479
 Haddad, Ghaith, 180
 Handling Qualitative Preferences Using Normal Form Functions, 38
 Handschuh, Siegfried, 290
 Hanneforth, Thomas, 199
 Hatzilygeroudis, Ioannis, 309
 Heine, Felix, 272
 Heinemann, Bernhard, 659
 Hogg, Chad, 429
 Höing, André, 272
 Holder, Lawrence B., 496
 Holland, Hans, 598
 Hoof, Martin, 443
 Horine, Brent, 180
 Horsch, Michael C., 98
 Huang, Kuo-chuan, 176
- Identifying Hidden Variables from Context-Specific Dependencies, 472
 IIS: A Marriage of Computational Linguistics, Psychology, and Educational Technologies, 15
 Improving Cluster Method Quality by Validity Indices, 479
 Indexing Documents by Discourse and Semantic Contents from Automatic Annotations of Texts, 356
 Inference of Edge Replacement Graph Grammars, 496
 Instance-Based Classifiers Dealing with Ambiguous Attributes and Class Labels, 598
 Instance-Based Spam Filtering Using SVM Nearest Neighbor Classifier, 441
- Intention Is Commitment with Expectation, 50
 Interpretive Reasoning with Hypothetical Cases, 387
 Introductory AI for Both Computer Science and Neuroscience Students, 297
 Investigating the Effectiveness of Applying Case-Based Reasoning to the Game of Texas Hold'em, 417
 Investigations in Unsupervised Back-of-the-Book Indexing, 211
 Invited Speaker Papers, 1
 Ioerger, Thomas, 50
- Jonyer, Istvan, 186
 Juliano, Ben A., 333
 Jungwirth, Andrew, 303
- Kaiser, David M., 110
 Kantardzic Mehmed, 484
 Karoui, Lobna, 460
 Kern-Isberner, Gabriele, 74
 Khoshgoftaar, Taghi M., 490
 Kılıçaslan, Yılmaz, 269
 King, Ross, 610
 Klassner, Frank, 315
 Kleemann, Thomas, 524
 Klimt, Bryan, 140
 Knauf, Rainer, 550
 Knowledge Management in a Wiki Platform via Microformats, 278
 Knowledge Representation with Granular Attributive Logic for XTT-Based Expert Systems, 530
 Knowledge Transfer in Deep Convolutional Neural Nets, 104
 Koprinska, Irena, 580
 Kreuzberger, Gunther, 577
 Kruk, Sebastian Ryszard, 290
 Kubat, Miroslav, 598, 638

- Kubon, Vladislav, 368
 Kukluk, Jacek P., 496
 Kulmann, Friedhelm, 122
- Lamirel, Jean-Charles, 509
 Le Berre, Daniel, 38
 Le Priol, Florence, 374
 Learning Paraphrases from WNS Corpora, 193
 Learning to Identify Global Bottlenecks in Constraint Satisfaction Search, 592
 Learning Uncertain Rules with CondorCKD, 74
 Lee-Urban, Stephen, 429
 Levy, Elena T., 253
 Lexicon Development and POS Tagging Using a Tagged Bengali News Corpus, 261
 Li, Jinhui, 229
 Li, Peifeng, 229
 Ligeza Antoni, 530
 Lightman, Erin J., 235
 Lindgaard, Gitte, 263
 Linguistically-Based Segmentation of Complex Sentences, A, 368
 Lintean, Mihai, 604
 Lisetti, Christine, 565
 Lopatková, Markéta, 368
 López de Mántaras, Ramon, 8
 Lossless Decomposition of Bayesian Networks, 164
 Low-Effort Labeling of Network Events for Intrusion Detection in WLANs, 490
 Lu, Tsai-Ching, 116
 Lu, Wenjin, 610
 Lu, Xiaofei, 241
 Luger, George F., 466
- Machine Learning Approach for the Automatic Annotation of the Events, 362
- Machine Learning Approach to Personal Pronoun Resolution in Turkish, A, 269
 Machine Learning, 579
 Maintaining Arc-Consistency over Mutex Relations in Planning Graphs during Search, 134
 Managing Dynamic Contexts Using Failure-Driven Stochastic Models, 466
 Matuszek, Cynthia, 140, 146
 McCarthy, Philip M., 205, 217, 235, 247
 McDowell, Luke K., 399
 McGrail, Robert W., 335
 McGuinness, Deborah L., 80, 284
 McNally, Myles, 315
 McNamara, Danielle S., 15, 205, 217, 235, 247
 Mehta, Manish, 22, 265, 571
 Memory-Prediction Framework for Pattern Recognition: Performance and Suitability of the Bayesian Model of Visual Cortex, 92
 Menzel, Christopher, 50
 Meunier, Jean-Guy, 21
 Meyer, R. Mark, 321
 Mihalcea, Rada, 211
 Mimaroglu, Selim, 502
 Mining Sequences in Distributed Sensors Data for Energy Production, 484
 Minnett, Peter, 638
 Model for Qualitative Spatial Reasoning Combining Topology, Orientation and Distance, A, 653
 Montaner, Miquel, 454
 Morphological Neural Network Approach to Information Retrieval, A, 184
 Mossakowski, Till, 665
 Multi-Threaded BLAO* Algorithm, 56
- Multidimensional Scaling Approach to Indexing by Metric Adaptation and Representation Upgrade, A, 636
 Muñoz-Avila, Héctor, 429
 Mustafaraj, Eni, 443
- Naive Bayes and Decision Trees for Function Tagging, 604
 Nalepa, Grzegorz J., 530, 536, 542
 Naps, Thomas, 303
 Narayanan, Dhyanesh, 80
 Nebel Bernhard, 673
 Neufeld, Eric, 472
 Nigro, Jean-Marc, 548
 Nkambou, Roger, 380
 Nordehn, Glenn, 128
 Nováček, Vit, 290
- O'Sullivan, Barry, 182
 Obrebski, Tomasz, 267
 Ontañón, Santiago, 22, 405, 571
 Ontologies, Semantic Maps, and Cognitive Scheme, 13
 Operational Annotation and the Analysis of the Correlative Coordination in French, The, 344
 Optimisation of Unitising Designs, The, 671
 Ounalli, Habib, 479
 OWA-Based Search in State Space Graphs with Multiple Cost Functions, 86
- Paleari, Marco, 565
 Parr, Cynthia Sims, 2
 Passonneau, Rebecca J., 253
 Pattern-Constrained Test Case Generation, 518
 Pelletier, Francis Jeffrey, 68

- Performance Analysis of Evolutionary Search with a Dynamic Restart Policy, 186
- Petrovic, Smiljana, 616
- Petry, Frederick E., 507
- Pfaffmann, Jeffrey O., 327
- Pimenta, Edgar, 622
- Pinheiro, Vladia, 80
- Pinheiro da Silva, Paulo, 80, 284
- Pinto-Ferreira, Carlos, 636
- Plátek, Martin, 368
- Playing with Cases: Tempo Transformations of Jazz Performances Using Case-Based Reasoning, 8
- Plaza, Enric, 405
- Pognan, Patrice, 368
- Poirier, Ryan, 628
- Poon, Josiah, 580
- Porter, Bruce W., 152
- Prioritized Reasoning in Logic Programming, 178
- Probabilistic Interactive Installations, 553
- Probabilistic Knowledge Processing and Remaining Uncertainty, 122
- Probabilistic Task Content Modeling for Episodic Textual Narratives, 443
- Proctor, Jason M., 445
- Proposal of Hybrid Knowledge Engineering and Refinement Approach, A, 542
- Provan, Gregory M., 182
- Przytula, K. Wojtek, 116
- Puppe, Frank, 518
- Pursuing the Best ECOC Dimension for Multiclass Problems, 622
- Qualitative Constraint Calculi: Heterogeneous Verification of Composition Tables, 665
- Qualitative Spatial Reasoning for Rule Compliant Agent Navigation, 673
- Ram, Ashwin, 22, 571
- Random Subsets Support Learning a Mixture of Heuristics, 616
- Rasovska, Ivana, 411
- Rating the Naturalness of Ontology Taxonomies, 176
- Razgon, Margarita, 182
- Reflexive System Inference Engine: A Tool to Use Meta-knowledge, The, 548
- Renner, Renee S., 333
- Reucher, Elmar, 122
- Richter, Michael M., 30
- Rios-Gutierrez, Fernando, 128
- Roberson, Christian, 184
- Robotics in the Classroom: Providing Robotics Equipment to Support Intelligent Systems Curricula, 333
- Robotran: A Programming Environment for Novices Using LEGO Mindstorms Robots, 321
- Robust Spoken Language Architecture to Control a 2D Game, A, 199
- Rochette, Marc André, 344
- Rubin, Jonathan, 417
- Rus, Vasile, 247, 604
- Sachs, Joel, 2
- Sáenz, Fernando, 512
- Sakhanenko, Nikita A., 466
- Sanscartier, Manon J., 472
- Schröder, Lutz, 665
- Search Ordering Heuristics for Restarts-Based Constraint Solving, 182
- Security in Online Games—Case Study: Second Life, 559
- Sedki, Karima, 38
- Seiffert, Chris, 490
- Seipel, Dietmar, 524
- Self-Driving Cars—An AI-Robotics Challenge, 12
- Seliya, Naeem, 490
- Semantic Relations: Modelling Issues, Proposals and Possible Applications, 512
- Sharma, Manu, 571
- Shewring, Andrew, 671
- Silva, Luis A. L., 423
- Silver, Daniel L., 628
- Simovici, Dan A., 502
- Simpson, Robert L. Jr., 435
- Smith, Pace Reagan, 146
- Smith, Sara B., 553
- Solano, Michael, 186
- Some Spatial and Spatio-Temporal Operators Derived from the Topological View of Knowledge, 659
- Spanjaard, Olivier, 86
- Spatio-Temporal Knowledge Representation and Reasoning, 640
- Stern, Carl R., 466
- Strong, Christina, 571
- Structure Information in Decision Trees and Similar Formalisms, 62
- Strunic, Spencer L., 128
- Suderman, Matthew, 68
- Sundgren, David, 62
- Surynek, Pavel, 134
- System Diagnosability Analysis Using *p*-slop MAP, 116
- Tamir, Dan E., 188
- Taylor, Matthew E., 140, 146
- Teaching Artificial Intelligence across the Computer Science Curriculum Using Sudoku as a Problem Domain, 327
- Teaching NL to FOL and FOL to CF Conversions, 309

- Tecuci, Dan G., 152
- Temporal Networks with Alternatives: Complexity and Model, 641
- Thomas, S. Rebecca, 335
- Thrun, Sebastian, 12
- TICK: A Content Management System Framework for Semantic Web Research and Instruction, 335
- Towards a Lexicon-Grammar of Polish: Extraction of Verbo-Nominal Collocations from Corpora, 267
- Towards Handling General Purpose Topics for a Conversational Character, 265
- Towards Player Preference Modeling for Drama Management in Interactive Stories, 571
- Towards the Verification of Ontologies with Rules, 524
- Transliteration of Named Entity: Bengali and English as Case Study, 223
- Trubitsyna, Irina, 178
- Turkett, William H. Jr., 158
- UCFTAC: A Control Based Supply Chain Management Trading Agent, 180
- Using Contexts to Prove and Share Situations, 448
- Using Language as an Accessibility Tool: A System for Natural Language Interaction with Graphs over the Web, 263
- Using Phrasal Verbs as an Index to Distinguish Text Genres, 217
- Using Plans to Automate Software Applications, 190
- Vaquero, Antonio, 512
- Ventura, Rodrigo, 636
- Verbal Polysemy in Automatic Annotation, 338
- Verkhogliad, Petro, 263
- Vetulani, Grazyna, 267
- Vetulani, Zygmunt, 267
- Wallace, Richard J., 592
- Wallgrün, Jan Oliver, 673
- Warfield, Ian, 429
- Watson, Ian, 417
- Weber, Rosina O., 445
- Whitaker, Elizabeth T., 435
- Wickramaratna, Kasun, 638
- Witbrock, Michael, 140, 146
- Wojnicki, Igor, 542
- Wölfl, Stefan, 665, 673
- Wolter, Diedrich, 673
- Wolverton, Michael, 284
- Wright, Jon R., 190
- Wu, Dan, 164
- Xiang, Yang, 170
- Yıldırım, Sava, 269
- Zerhouni, Noureddine, 411
- Zhang, Mimi, 350
- Zhu, Qiaoming, 229
- Zighem, Leila, 350
- Zizka, Jan, 598
- Zouaq, Amal, 380
- Zumpano, Ester, 178