

INDEX

- Additive-Disjunctive Heuristics for Optimal Planning, 44
Angelic Hierarchical Planning: Optimal and Online Algorithms, 222
Auder, Benjamin, 164
- Bagnell, J. Andrew, 412
Bakker, Piet, 372
Ball, Marcel, 2
Beaudoin, Mathieu, 12
Beaudry, Eric, 12
Beck, Chris, ix
Beldiceanu, Nicolas, 264
Belghith, Khaled, 164
Bellefeuille, Philippe, 164
Benaskeur, Abder Rezak, 12
Benton, J., 404
Bohte, Sander, 372
Borrajó, Daniel, 60
Botea, Adi, 380
Boularias, Abdeslam, 20
Bounded-Parameter Partially Observable Markov Decision Processes, 240
Brafman, Ronen I., 28, 330
- Causal Graphs and Structurally Restricted Planning, 36
Chaib-draa, Brahim, 20
Chen, Hubie, 36
CircuitTSAT: A Solver for Large Instances of the Disjunctive Temporal Problem, 232
Coles, Andrew, 44, 52
Compact and Efficient SAT Encoding for Planning, A, 296
Complexity of Optimal Planning and a More Efficient Method for Finding Solutions, The, 280
Compression Power of Symbolic Pattern Databases, The, 2
Criticality Metrics for Distributed Plan and Schedule Management, 214
- Dearden, Richard, 346
Decentralized Online Scheduling of Combination-Appointments in Hospitals, 372
De Giacomo, Giuseppe, 304
- de la Rosa, Tomás, 60
desJardins, Marie, 288
de Weerd, Mathijs, 256
Dey, Anind K., 412
Do, Minh B., 68
Doherty, Patrick, 198
Domshlak, Carmel, 28, 174, 182
- Effective Information Value Calculation for Interruption Management in Multi-Agent Scheduling, 313
Efficient ADD Operations for Point-Based Algorithms, 330
Elkhuizen, Sylvia, 372
Ernst, Andreas, 76
Exact Dynamic Programming for Decentralized POMDPs with Lossless Policy Compression, 20
- Fast and Memory-Efficient Multi-Agent Pathfinding, 380
Fast Dynamic Scheduling of Disjunctive Temporal Constraint Networks through Incremental Compilation, 322
Fast Planning for Dynamic Preferences, 412
Faster than Weighted A*: An Optimistic Approach to Bounded Suboptimal Search, 355
Filtering for a Continuous Multi-Resources *cumulative* Constraint with Resource Consumption and Production, 264
Fox, Maria, 44, 52
From One to Many: Planning for Loosely Coupled Multi-Agent Systems, 28
Fu, Na, 83
- Geffner, Héctor, 140
Geib, Christopher W., 91
Generating Robust Schedules Subject to Resource and Duration Uncertainties, 83
Generative Planning for Hybrid Systems Based on Flow Tubes, 206
Giménez, Omer, 36, 99
Ginsberg, Matthew L., 280
Giuliano, Mark E., 107
- Givan, Robert, 396
Goldman, Robert P., 91, 190
González, Miguel A., 116
González-Rodríguez, Inés, 124
Gretton, Charles, 296
Grosz, Barbara J., 313
- Hansen, Eric, ix
Hartman, Leo, 164
Haslum, Patrik, 132
Heintz, Fredrik, 198
Helmert, Malte, 140
HiPPo: Hierarchical POMDPs for Planning Information Processing and Sensing Actions on a Robot, 346
Holte, Robert C., 2
Howe, Adele E., 288
Hybrid Relaxed Planning Graph—LP Heuristic for Numeric Planning Domains, A, 52
- Jeanet, Gildas, 148
Jiménez, Sergio, 60
Johnston, Mark D., 107
Jonsson, Anders, 99
Joshi, Saket, 156
- Kabanza, Froduald, 12, 164
Kalyanam, Rajesh, 396
Kambhampati, Subbarao, 404
Katz, Michael, 174, 182
Khardon, Roni, 156
Kumar, T. K. Satish, 232
Kupferschmid, Sebastian, 388
Kuter, Ugur, 190
Kvarnström, Jonas, 198
- La Poutré, Han, 372
Lau, Hoong Chuin, 83
Learning Heuristic Functions through Approximate Linear Programming, 248
Learning Relational Decision Trees for Guiding Heuristic Planning, 60
Li, Hui X., 206

- Linear Relaxation Techniques for Task Management in Uncertain Settings, 363
- Liu, Zhi-Qiang, 240
- Long, Derek, 44, 52
- Maheswaran, Rajiv T., 214
- Maraist, John, 91
- Marthi, Bhaskara, 222
- Multiagent Planning Under Uncertainty with Stochastic Communication Delays, 338
- Multi-Objective Evolutionary Algorithms for Scheduling the James Webb Space Telescope, 107
- Nau, Dana, 190
- Nebel, Bernhard, ix
- Nelson, Blaine, 232
- New Approach to Tractable Planning, A, 132
- New Hybrid Genetic Algorithm for the Job Shop Scheduling Problem with Setup Times, A, 116
- New Local Search for the Job Shop Problem with Uncertain Durations, A, 124
- New Probabilistic Plan Recognition Algorithm Based on String Rewriting, A, 91
- Ni, Yaodong, 240
- Oliehoek, Frans A., 338
- Online Learning Method for Improving Over-Subscription Planning, A, 404
- Optimal Additive Composition of Abstraction-based Admissible Heuristics, 174
- Organizing Committee, xi
- Owotoki, Peter, 313
- P³C: A New Algorithm for the Simple Temporal Problem, 256
- Petrik, Marek, 248
- Pham, Duc-Nghia, 296
- Planken, Léon, 256
- Planning 3D Task Demonstrations of a Teleoperated Space Robot Arm, 164
- Planning for Modular Printers: Beyond Productivity, 68
- Podelski, Andreas, 388
- Poder, Emmanuel, 264
- Poupart, Pascal, 330
- Pralet, Cédric, 272
- Preface, ix
- Probabilistic Planner for the Combat Power Management Problem, A, 12
- Program Committee, xiii
- Puente, Jorge, 124
- Rank-Dependent Probability Weighting in Sequential Decision Problems under Uncertainty, 148
- Ray, Katrina, 280
- Realizing Multiple Autonomous Agents through Scheduling of Shared Devices, 304
- Reisner, Elnatan, 190
- Rintanen, Jussi, ix
- Roberts, Mark, 288
- Robinson, Nathan, 296
- Ruml, Wheeler, 68, 355
- Russell, Stuart, 222
- Sardina, Sebastian, 304
- Sarne, David, 313
- Sattar, Abdul, 296
- Scheduling Meetings at Trade Events with Complex Preferences, 76
- Search of the Tractability Boundary of Planning Problems, In, 99
- Shah, Julie A., 322
- Shani, Guy, 330
- Shimony, Solomon E., 330
- Singh, Gaurav, 76
- Smith, Amanda, 44, 52
- Smith, Stephen F., 363
- Spaan, Matthijs T. J., 338
- Spanjaard, Olivier, 148
- Sridharan, Mohan, 346
- Stochastic Enforced Hill-Climbing, 396
- Stochastic Planning with First Order Decision Diagrams, 156
- Structural Patterns Heuristics via Fork Decomposition, 182
- Szekely, Pedro, 214
- Temporal Logic-Based Planning and Execution Monitoring System, A, 198
- Thayer, Jordan T., 355
- Unifying the Causal Graph and Additive Heuristics, 140
- Useless Actions Are Useful, 388
- Using Classical Planners to Solve Non-deterministic Planning Problems, 190
- Using Constraint Networks on Timelines to Model and Solve Planning and Scheduling Problems, 272
- van der Krogt, Roman, 256
- Varakantham, Pradeep, 363
- Varela, Ramiro, 116, 124
- Vela, Camino R., 116, 124
- Verfaillie, Gérard, 272
- Vermeulen, Ivan, 372
- Vlassis, Nikos, 338
- Wang, Ko-Hsin Cindy, 380
- Wehrle, Martin, 388
- Weiskircher, René, 76
- What Makes Planners Predictable?, 288
- Williams, Brian C., 206, 322
- Wilson, Brandon, 288
- Wolfe, Jason, 222
- Wu, Jia-Hong, 396
- Wyatt, Jeremy, 346
- Xiao, Fei, 83
- Yoon, Sungwook, 404
- Zhou, Rong, 68
- Ziebart, Brian D., 412
- Zilberstein, Shlomo, 248