

Index

- Abdullah, Salwani, 334
Affectively Driven Planner for Synthetic Characters, An, 2
Akkiraju, Rama, 338
Albore, Alexandre, 193
Amir, Eyal, 203
Automated Planning Using Quantum Computation, 418
Automated Web Service Composition by On-the-Fly Belief Space Search, 358
Aylett, Ruth, 2
- Baier, Jorge A., 342
Balzer, Steffen, 422
Barbon, Fabio, 346
Barták, Roman, 350
Beck, J. Christopher, 274
Benazera, Emmanuel, 121
Bertoli, Piergiorgio, 193, 354, 358
Birtürk, Aysenur, 366
Biundo, Susanne, 422
Bonet, Blai, 42, 142
Borrajo, Daniel, xi
Bounded Branching and Modalities in Non-Deterministic Planning, 42
Brafman, Ronen, 73, 121
Brand, Matthew, 131
Brian C. Williams, xx
Bringing Users and Planning Technology Together. Experiences in SIADEX, 11
Bryce, Daniel, 233
Burfoot, Daniel, 362
Burke, Edmund K., 334
- Canan, Özgen, 366
Castillo, Luis, 11, 63
Cepek, Ondrej, 350
- Cesta, Amedeo, 172
Challenges for Temporal Planning with Uncertain Durations, 414
Chang, Allen, 203
Chen, Yixin, 442
Cimatti, Alessandro, 354
Combining Knowledge Compilation and Search for Conformant Probabilistic Planning, 253
Combining Stochastic Task Models with Reinforcement Learning for Dynamic Scheduling, 426
Compilation of Plan Constraints and Preferences, On the, 374
Concurrent Probabilistic Planning in the Graphplan Framework, 263
Cortellessa, Gabriella, 172
Crawford, James, 73
- DeJong, Gerald, 152
Dias, Joao, 2
Do, Minh, 370
Doherty, Patrick, 438
Domshlak, Carmel, 243, 294
Dudek, Gregory, 362
Durative Planning in HTNs, 382
- Edelkamp, Stefan, 374
Efficiently Handling Temporal Knowledge in an HTN Planner, 63
Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling, An, 274
Evaluating Mixed-Initiative Systems: An Experimental Approach, 172
- Explanation-Based Acquisition of Planning Operators, 152
Exploiting the Power of Local Search in a Branch and Bound Algorithm for Job Shop Scheduling, 324
- Fast Probabilistic Planning through Weighted Model Counting, 243
Fdez-Olivares, Juan, 11, 63
Fern, Alan, 162
Fernández, Fernando, 378
Fox, Maria, 212
Frank, Jeremy, 73
Friends or Foes? An AI Planning Perspective on Abstraction and Search, 294
Fuss, I., 418
- Gallagher, Anthony, 222
García-Pérez, Óscar, 11, 63
Geffner, Héctor, 142
Gerevini, Alfonso, 212
Ghallab, Malik, 394
Giunchiglia, Enrico, xix
Givan, Robert, 162
Goal Achievement in Partially Known, Partially Observable Domains, 203
Goldman, Robert P., 382
Gomes, Carla, 284
Goodwin, Richard, 338
- Hansen, Eric A., 304
Hauskrecht, Milos, 114
Helmert, Malte, 52
Hoffmann, Jörg, 243, 284, 294
Hofmann, Andreas, 386
Howe, Adele, 314, 430
Huang, Jinbo, 253
- Ilghami, Okhtay, 390

- Incremental Maintenance of Double Precedence Graphs: A Constraint-Based Approach, 350
- Incremental Scheduling to Maximize Quality in a Dynamic Environment, 222
- Infantes, Guillaume, 394
- Ingrand, Félix, 394
- Inoue, Katsumi, 103
- Integrated Production Planning, Batching, and Scheduling, to Compromise among Antagonistic Optimization Criteria, xix
- Invited Speaker Abstracts, xix
- Ivan, Anca-Andreea, 338
- Iwanuma, Koji, 103
- Jensen, Rune M., 304
- Kambhampati, Subbarao, 233
- Karger, David R., 131
- Kavuluri, Bharat Ranjan, 398
- Khatib, Lina, 73
- Khemani, Deepak, 398
- Knowledge-based Middleware as an Architecture for Planning and Scheduling Systems, 422
- Koenig, Sven, 402, 410
- Kramer, Laurence A., 406
- Kumar, T. K. Satish, 83
- Kveton, Branislav, 114
- Learning Behaviors Models for Robot Execution Control, 394
- Learning Depth-First Search: A Unified Approach to Heuristic Search in Deterministic and Non-Deterministic Settings, and Its Application to MDPs, 142
- Learning Heuristic Functions from Relaxed Plans, 162
- Learning to Do HTN Planning, 390
- Lemma Reusing for SAT based Planning and Scheduling, 103
- LePape, Claude, xix
- Lessons Learned in Applying Domain-Independent Planning to High-Speed Manufacturing, 370
- Levine, Geoffrey, 152
- Likhachev, Maxim, 402
- Little, Iain, 263
- Liu, Yaxin, 410
- Liu, Zhen, 31
- Long, Derek, xi, 212
- Looking for Shortcuts: Infeasible Search Analysis for Oversubscribed Scheduling Problems, 314
- Mausam, 414
- McCluskey, Lee, xi
- McIlraith, Sheila A., 342
- Memory-Efficient Symbolic Heuristic Search, 304
- Metatheoretic Plan Summarization and Comparison, 182
- Meuleau, Nicolas, 121
- Model-based Programming of Robust Agile Systems, xx
- Moffitt, Michael D., 93
- Motion Economy and Planning, 366
- Multi-Start Very Large Neighbourhood Search Approach with Local Search Methods for Examination Timetabling, A, 334
- Muñoz-Avila, Héctor, 390
- Myers, Karen L., 182
- Nabeshima, Hidetomo, 103
- Naguleswaran, S., 418
- Nau, Dana S., 390
- New Complexity Results for Classical Planning Benchmarks, 52
- New Principle for Incremental Heuristic Search: Theoretical Results, A, 402
- Nikolova, Evdokia, 131
- Nunes de Barros, Leliane, 434
- Optimal Rectangle Packing: A Meta-CSP Approach, 93
- Optimal Route Planning under Uncertainty, 131
- Optimal STRIPS Planning by Maximum Satisfiability and Accumulative Learning, 442
- Organizing Committee, xiii
- Paiva, Ana, 2
- Palao, Francisco, 11, 63
- Pardoe, David, 21
- Pineau, Joelle, 362
- Pistore, Marco, 346, 354, 358
- Plan Stability: Replanning versus Plan Repair, 212
- Planning for PDDL3—An OCSP Based Approach, 398
- Planning with Temporally Extended Goals Using Heuristic Search, 342
- Pollack, Martha E., 93
- Predictive Planning for Supply Chain Management, 21
- Preface, xi
- Probabilistic Planning with Nonlinear Utility Functions, 410
- Program Committee, xv
- Reconfigurable Path Planning for an Autonomous Unmanned Aerial Vehicle, 438
- Resource Contention Metrics for Oversubscribed Scheduling Problems, 406
- Reusing and Building a Policy Library, 378
- Riabov, Anton, 31
- Richards, Simon, 304
- Robust Execution of Temporally Flexible Plans for Bipedal Walking Devices, 386
- Rogers, Mark F., 314
- RRT-Plan: A Randomized Algorithm for STRIPS Planning, 362
- Ruml, Wheeler, 370

- Run-Time Monitoring of the Execution of Plans for Web Service Composition, 346
 Russell, Stuart, 83
- Sabharwal, Ashish, 294
- Safe LTL Assumption-Based Planning, 193
- Saladi, Naresh Babu, 398
- SAT, QSAT and Beyond: State-of the Art and Their Relation with Planning, xix
- Scalable Planning for Distributed Stream Processing Systems, 31
- Schattenberg, Bernd, 422
- Selman, Bart, 284
- SEMAPLAN: Combining Planning with Semantic Matching to Achieve Web Service Composition, 338
- Sequential Monte Carlo in Probabilistic Planning Reachability Heuristics, 233
- Serina, Ivan, 212
- Silva, José Reinaldo, 434
- Smith, David E., 233
- Smith, Stephen F., xi, 222, 324, 406
- Soh, Takehide, 103
- Solving Factored MDPs with Exponential-Family Transition Models, 114
- Some Tractable Cases of Logical Filtering, On, 83
- Spacetrack: Trading off Quality and Utilization in Over-subscribed Schedules, 430
- Sponsors, x
- Srivastava, Biplav, 338
- Stochastic Over-Subscription Planning Using Hierarchies of MDPs, 121
- Stone, Peter, 21
- Streeter, Matthew J., 324
- Strens, Malcolm J., 426
- Structure and Problem Hardness: Goal Asymmetry and DPLL Proofs in SAT-Based Planning, 284
- Sutton, Andrew M., 430
- Syeda-Mahmood, Tanveer, 338
- Thiébaux, Sylvie, 263
- Tonidandel, Flavio, 434
- Towards Strong Cyclic Planning under Partial Observability, 354
- Tractable Optimal Competitive Scheduling, 73
- Trainotti, Michele, 346
- Traverso, Paolo, 346, 358
- Use of UML.P for Modeling a Real Application as a Planning Problem, On the, 434
- Vaquero, Tiago Stegun, 434
- Veloso, Manuela, 378
- Weld, Daniel S., 414
- White, L. B., 418
- Whitley, L. Darrell, 314, 430
- Williams, Brian, 386
- Wzorek, Mariusz, 438
- Xing, Zhao, 442
- Yoon, SungWook, 162
- Zhang, Weixiong, 442
- Zhou, Rong, 304
- Zimmerman, Terry L., 222