

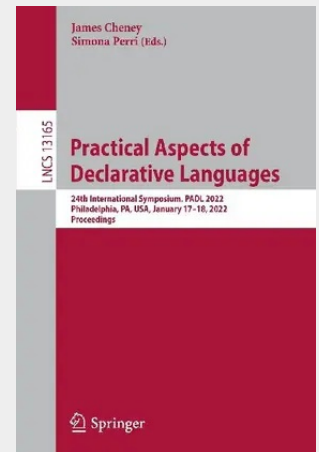
Practical Aspects of Declarative Languages

24th International Symposium, PADL 2022, Philadelphia, PA, USA, January 17-18, 2022, Proceedings

This book constitutes the refereed proceedings of the 24th International Conference on Practical Aspects of Declarative Languages, PADL 2022, held in Philadelphia, PA, USA, during January 17-18, 2022.

The 9 full papers and 4 short papers included in this book were carefully reviewed and selected from 22 submissions. They were organized in topical sections as follows: answer set programming; functional programming; languages, methods and tools; and declarative solutions.

Answer Set Programming.- Modelling the Outlier Detection Problem in ASP(Q).- Multi-Agent Pick and Delivery with Capacities: Action Planning vs Path Finding.- Determining Action Reversibility in STRIPS Using Answer Set Programming with Quantifiers.- Functional Programming.- Functional Programming on Top of SQL Engines.- CircuitFlow: A Domain Specific Language for Dataflow Programming.- Languages, Methods and Tools.- Timed Concurrent Language for Argumentation: an Interleaving Approach.- Towards Dynamic Consistency Checking in Goal-directed Predicate Answer Set Programming.- Implementing Stable-Unstable Semantics with ASPTOOLS and Clingo.- Smart Devices and Large Scale Reasoning via ASP: Tools and Applications.- Declarative Solutions.- Decomposition-based Job-shop Scheduling with Constrained Clustering.- Modeling and Verification of Real-time Systems with the Event Calculus and s(CASP).- Parallel Declarative Solutions of Sequencing Problems using Multi-valued Decision Diagrams and GPUs.- Green Application Placement in the Cloud-IoT Continuum.



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