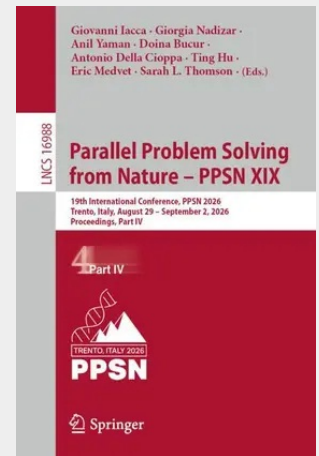


Parallel Problem Solving from Nature – PPSN XIX

19th International Conference, PPSN 2026, Trento, Italy, August 29 – September 2, 2026, Proceedings, Part IV

This five-volume set, LNCS 16985–16989, constitutes the refereed proceedings of the 19th International Conference on Parallel Problem Solving from Nature, PPSN 2026, held in Trento, Italy, during August 29–September 2, 2026. The 165 full papers presented in these proceedings were carefully reviewed and selected from 527 submissions. The papers cover the following topical sections: Part I: Theory & Runtime Analysis; Combinatorial Optimization; Landscape Analysis & Benchmarking; Part II: Multi-Objective Optimization; Swarm Intelligence & ACO; Part III: Evolution Strategies & Continuous Black-Box Optimization; Bayesian & Surrogate-Assisted Optimization; Quantum Optimization & Computing; EC for ML, Data Science & Domain Applications; General EA Methodology, Operators & Parallel EC; Part IV: Genetic Programming & Symbolic Regression; Quality-Diversity & Novelty Search; Robotics, Morphology & Design Encoding; Coevolution & Evolutionary Dynamics; Part V: RL, Hyper-heuristics & Algorithm Selection; LLMs + Evolutionary Computation; Neural Architecture Search, AutoML & Neuroevolution.

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