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	Nota di contenuto	On the effect of scalarising norm choice in a ParEGO implementation Multi-objective big data optimization with Metal and Spark An empirical assessment of the properties of inverted generational distance indicators on multi- and many-objective optimization Solving the Bi-objective traveling thief problem with multi-objective evolutionary algorithms Automatically Configuring multi-objective local search using multi-objective optimization The multi-objective shortest path problem is NP-hard, or is it Angle-based preference models in multi-objective optimization Quantitative performance assessment of multi-objective optimizers: The average runtime

Sommario/riassunto This book constitutes the refereed proceedings of the 9th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2017 held in Münster, Germany in March 2017. The 33 revised full papers presented together with 13 poster presentations were carefully		attainment function A multi-objective strategy to allocate roadside units in a vehicular network with guaranteed levels of service An approach for the local exploration of discrete many objective optimization problems A note on the detection of outliers in a binary outranking relation Classifying meta-modeling methodologies for evolutionary multi-objective optimization: First results Weighted stress function method for multi-objective evolutionary algorithm based on decomposition Timing the decision support for real-world many-objective problems On the influence of altering the action set on PROMETHEE II's relative ranks Peek { Shape { Grab: a methodology in three stages for approximating the non-dominated points of multi- objective meta-heuristic A new reduced-length genetic representation for evolutionary multi-objective clustering A fast incremental BSP tree archive for non-dominated points Adaptive operator selection for many-objective optimization with NSGA-III On using decision maker preferences with ParEGO First investigations on noisy model-based multi-objective optimization landscapes Neutral neighbors in Bi-objective optimization landscapes Neutral neighbors in Bi-objective optimization landscapes Neutral neighbors in Bi-objective optimization landscapes Neutral neighbors in Bi-objective: First results Building and using an ontology of preference-based multi-objective evolutionary algorithms A fitness landscape analysis of pareto local search on Bi- objective evolutionary optimization algorithms Empirical investigations of reference-based multi-objective vehicle routing problem with demand responsive transport Heterogeneous evolutionary swarms with partial redundancy solving multi-objective tasks Multiple meta-models for robustness estimation in multi- objective robust optimization Predator-Prey techniques for solving multi-objective scheduling problems for unrelated parallel machines An overview of weighted and unconstrained scal
reviewed and selected from 72 submissions. The EMO 2017 aims to	Sommario/riassunto	Conference on Evolutionary Multi-Criterion Optimization, EMO 2017 held in Münster, Germany in March 2017. The 33 revised full papers

discuss all aspects of EMO development and deployment, including theoretical foundations; constraint handling techniques; preference handling techniques; handling of continuous, combinatorial or mixedinteger problems; local search techniques; hybrid approaches; stopping criteria; parallel EMO models; performance evaluation; test functions and benchmark problems; algorithm selection approaches; manyobjective optimization; large scale optimization; real-world applications; EMO algorithm implementations.