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Optimization for Robust Optimization over Time -- The Static and Stochastic VRP with Time Windows and Both Random Customers and Reveal Times -- Pre-Scheduled Colony Size Variation in Dynamic Environments -- An Online Packing Heuristic for the Three-dimensional Container Loading Problem in Dynamic Environments and the Physical Internet -- Advancing Dynamic Evolutionary Optimization Using In-Memory Database Technology -- Road Traffic Rules Synthesis Using Grammatical Evolution -- Solving Dynamic Graph Coloring Problem Using Dynamic Pool Based Evolutionary Algorithm -- General: Meta-Heuristics for Improved RF Emitter Localization -- Automated Design of Genetic Programming Classification Algorithms Using a Genetic Algorithm.

| Sommario/riassunto | The two volumes LNCS 10199 and 10200 constitute the refereed conference proceedings of the 20th European Conference on the Applications of Evolutionary Computation, EvoApplications 2017, held in Amsterdam, The Netherlands, in April 2017, colocated with the Evo* 2016 events EuroGP, EvoCOP, and EvoMUSART. The 46 revised full papers presented together with 26 poster papers were carefully reviewed and selected from 108 submissions. EvoApplications 2016 consisted of the following 13 tracks: EvoBAFIN (natural computing methods in business analytics and finance), EvoBIO (evolutionary computation, machine learning and data mining in computational biology), EvoCOMNET (nature-inspired techniques for telecommunication networks and other parallel and distributed systems), EvoCOMPLEX (evolutionary algorithms and complex systems), EvoENERGY (evolutionary computation in energy applications), EvoGAMES (bio-inspired algorithms in games), EvoIASP (evolutionary computation in image analysis, signal processing, and pattern recognition), EvoINDUSTRY (nature-inspired techniques in industrial settings), EvoKNOW (knowledge incorporation in evolutionary computation), EvoNUM (bio-inspired algorithms for continuous parameter optimization), EvoPAR (parallel implementation of evolutionary algorithms), EvoROBOT (evolutionary robotics), EvoSET (nature-inspired algorithms in software engineering and testing), and EvoSTOC (evolutionary algorithms in stochastic and dynamic environments). . |