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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Invited Paper -- Warehouse-Scale Computing in the Post-Moore Era -- 1 Heterogeneity in Platforms -- 2 Massive Data Analytics -- References -- Optimization for Cloud Services -- A Walk in the Clouds: Routing Through VNFs on Bidirected Networks -- 1 Introduction -- 1.1 Model -- 1.2 Contributions -- 1.3 Related Work -- 1.4 Paper Organization -- 2 The Unordered BWRP -- 2.1 An Introduction to (Unordered) Waypoint Routing -- 2.2 Hardness and Improved Approximation -- 3 Ordered BWRP -- 3.1 A Constant Number of Waypoints Is Feasible -- 3.2 Optimally Solving OBWRP Is NP-Hard -- 3.3 Optimality on the Cactus

with Constant Capacity -- 4 Conclusion -- References -- Service Chain Placement in SDNs -- 1 Introduction -- 1.1 Related Work -- 1.2 Our Results -- 2 Preliminaries -- 3 Hardness Results -- 4 Algorithms for Physical Directed Acyclic Graphs -- 4.1 Placing a Sub-chain in a Physical Node -- 4.2 Placing a Service Chain -- 4.3 Placing a Service Chain with a Latency Bound -- 4.4 FPTAS for General Costs -- 5 General Networks -- References -- Tight Approximability of the Server Allocation Problem for Real-Time Applications -- 1 Introduction -- 2 Approximation Algorithms -- 2.1 Case 1: Metric in SU -- 2.2 Case 2: Metric in S -- 3 Hardness of Approximation -- 4 Experiments -- 4.1 Acceleration of the Proposed Algorithms -- 4.2 Experiment 1: Following Kawabata et al. KCO16 -- 4.3 Experiment 2: With More Servers -- References -- Computing with Risk and Uncertainty -- Risk Aware Stochastic Placement of Cloud Services: The Case of Two Data Centers -- 1 Introduction -- 2 The Normal Two Bin Case -- 2.1 The Sorting Algorithm -- 2.2 The Correctness Proof -- 3 Other Cost Functions -- 4 Non-normal Distributions -- 4.1 The Berry-Esseen Theorem -- 4.2 Approximating General Independent Distributions with the Normal Distribution.

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proceedings of the Second International Workshop on Algorithmic Aspects of Cloud Computing, ALGO CLOUD 2017, held in Vienna, Austria, in September 2017. The 9 revised full papers were carefully reviewed and selected from 27 submissions. The aim of the workshop is to present research activities and results on topics related to algorithmic, design, and development aspects of modern cloud-based systems.
