Record Nr. UNINA9910838276303321 Autore Hunold Sascha Titolo Benchmarking, Measuring, and Optimizing: 15th BenchCouncil International Symposium, Bench 2023, Sanya, China, December 3-5, 2023, Revised Selected Papers / / edited by Sascha Hunold, Biwei Xie. Kai Shu Singapore: . : Springer Nature Singapore: . : Imprint: Springer. . 2024 Pubbl/distr/stampa **ISBN** 981-9703-16-6 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (201 pages) Lecture Notes in Computer Science, , 1611-3349; ; 14521 Collana Altri autori (Persone) XieBiwei ShuKai Disciplina 005.3 Soggetti Application software Computer and Information Systems Applications Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto ICBench: Benchmarking Knowledge Mastery in Introductory Computer Science Education -- Generating High Dimensional Test Data for Topological Data Analysis -- Does Al for Science Need Another ImageNet or Totally Different Benchmarks? A Case Study of Machine Learning Force Fields -- MolBench: A Benchmark of Al Models for Molecular Property Prediction -- Cross-Layer Profiling of IoTBench --MMDBench: A Benchmark for Hybrid Query in Multimodal Database --Benchmarking Modern Databases for Storing and Profiling Very Large Scale HPC Communication Data -- A Linear Combination-based Method to Construct Proxy Benchmarks for Big Data Workloads --AGIBench: A Multi-granularity, Multimodal, Human-referenced, Autoscoring Benchmark for Large Language Models -- Automated HPC Workload Generation Combining Statistical Modeling and Autoregressive Analysis -- Automated HPC Workload Generation Combining Statistical Modeling and Autoregressive Analysis. Sommario/riassunto This book constitutes the refereed proceedings of the 14th BenchCouncil International Symposium on Benchmarking, Measuring,

and Optimizing, Bench 2023, held in Sanya, China, during December 3-

5, 2023. The 11 full papers included in this book were carefully reviewed and selected from 20 submissions. The Bench symposium

invites papers that exhibit three defining characteristics: (1) It provides a high-quality, single-track forum for presenting results and discussing ideas that further the knowledge and understanding of the benchmark community; (2) It is a multi-disciplinary conference, attracting researchers and practitioners from different communities, including architecture, systems, algorithms, and applications; (3) The program features both invited and contributed talks.