1. Record Nr. UNIORUON00392644

Autore	KULLMANN, Wolfgang
Titolo	Philosophie und Wissenschaft in der Antike : Kleine Schriften zu ihrer Geschichte und ihrer Bedeutung für die Gegenwart / Wolfgang Kullmann
Pubbl/distr/stampa	Stuttgart, : Franz Steiner Verlag, 2010
ISBN	978-35-15-08209-9
Descrizione fisica	361 p. ; 24 cm
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Soggetti	Filosofia Antica SCIENZA ANTICA
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910416079203321

Autore	Kounev Samuel
Titolo	Systems Benchmarking : For Scientists and Engineers / / by Samuel Kounev, Klaus-Dieter Lange, Jóakim von Kistowski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	9783030417055 3030417050
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (443 pages)
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Soggetti	Electronic digital computers—Evaluation Software engineering Software engineering—Management System Performance and Evaluation Software Engineering Software Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part I Foundations -- 1 Benchmarking Basics -- 2 Review of Basic Probability and Statistics -- 3 Metrics -- 4 Statistical Measurements -- 5 Experimental Design -- 6 Measurement Techniques -- 7 Operational Analysis and Basic Queueing Models -- 8 Workloads -- 9 Standardization -- Part II Applications -- 10 The SPEC CPU Benchmark Suite -- 11 Benchmarking the Energy Efficiency of Servers -- 12 Virtualization Benchmarks -- 13 Storage Benchmarks -- 14 TeaStore: A Micro-Service Reference Application for Research Use -- 15 Elasticity of Cloud Platforms -- 16 Performance Isolation -- 17 Resource Demand Estimation -- 18 Software and System Security.
Sommario/riassunto	This book serves as both a textbook and handbook on the benchmarking of systems and components used as building blocks of modern information and communication technology applications. It provides theoretical and practical foundations as well as an in-depth exploration of modern benchmarks and benchmark development. The book is divided into two parts: foundations and applications. The first

part introduces the foundations of benchmarking as a discipline, covering the three fundamental elements of each benchmarking approach: metrics, workloads, and measurement methodology. The second part focuses on different application areas, presenting contributions in specific fields of benchmark development. These contributions address the unique challenges that arise in the conception and development of benchmarks for specific systems or subsystems, and demonstrate how the foundations and concepts in the first part of the book are being used in existing benchmarks. Further, the book presents a number of concrete applications and case studies based on input from leading benchmark developers from consortia such as the Standard Performance Evaluation Corporation (SPEC) and the Transaction Processing Performance Council (TPC). Providing both practical and theoretical foundations, as well as a detailed discussion of modern benchmarks and their development, the book is intended as a handbook for professionals and researchers working in areas related to benchmarking. It offers an up-to-date point of reference for existing work as well as latest results, research challenges, and future research directions. It also can be used as a textbook for graduate and postgraduate students studying any of the many subjects related to benchmarking. While readers are assumed to be familiar with the principles and practices of computer science, as well as software and systems engineering, no specific expertise in any subfield of these disciplines is required. “This book should be required reading for anyone interested in making good benchmarks.” – from the Foreword by David Patterson, 2017 ACM A.M. Turing Award Laureate.