

1. Record Nr.	UNISA996465453603316
Autore	Kounev Samuel
Titolo	Systems Benchmarking [[electronic resource]] : For Scientists and Engineers // by Samuel Kounev, Klaus-Dieter Lange, Jóakim von Kistowski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-41705-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (443 pages)
Disciplina	658.562
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.

2. Record Nr.	UNINA9910824114403321
Titolo	Speaking to body and soul : instructions for the Moravian choir helpers, 1785-1786 // edited and translated by Katherine M. Faul
Pubbl/distr/stampa	University Park, Pennsylvania : , : The Pennsylvania State University Press, , [2017] ©2017
ISBN	0-271-07962-2
Descrizione fisica	1 online resource (xi, 185 pages :) : illustrations ;
Collana	Pietist, Moravian, and Anabaptist studies
Disciplina	284.6
Soggetti	Pastoral care Theological anthropology - Moravian Church Human body - Religious aspects - Moravian Church
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	This volume consists of the translation of 214 pages of German manuscripts, dated 1785-86, held at the Moravian Archives in Bethlehem, Pennsylvania. The manuscripts, titled 'Instructions for the Choir Helpers,' are copies of originals held in the Archives of the Unity of the Brethren in Herrnhut, Germany. Preface.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The single sisters' choir -- The single brethren's choir -- The married persons' choir -- The widows' choir.
Sommario/riassunto	"An annotated and translated collection of instructions on religion, health, sexuality, and family life from the eighteenth-century Moravian Church"--Provided by publisher.