

1. Record Nr.	UNINA9910367246003321
Titolo	Performance Management of Integrated Systems and its Applications in Software Engineering // edited by Millie Pant, Tarun K. Sharma, Sebastián Basterrech, Chitresh Banerjee
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-13-8253-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 236 p. 72 illus., 45 illus. in color.)
Collana	Asset Analytics, Performance and Safety Management, , 2522-5162
Disciplina	658.4038
Soggetti	Big data Management information systems Quality control Reliability Industrial safety Computer software—Reusability Production management Industrial management Big Data/Analytics Software Management Quality Control, Reliability, Safety and Risk Performance and Reliability Operations Management Business Process Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Real Time Distributed Denial of Service (DDoS) Attack Detection using Decision Trees for Server Performance Maintenance -- Cloud Computing: Vulnerability and Threat Indications to Address Cost Issues -- Proposed Algorithm for Creation of Misuse Case Modeling Tree during Security Requirements Elicitation Phase to Quantify Security -- Big Data Analytics for Data Quality Improvement to Enhance Evidence-based Healthcare in Developing Countries -- Securing the Data Deduplication to Improve the Performance of Systems in the Cloud

Infrastructure -- Implementation of Collaborative Filtering for Product Recommendation in E-Commerce to Enhance Scalability and Performance -- A Pre-emptive Goal Programming Model for Multi-Site Production and Distribution Planning to Minimize Total Cost and Maximize Profit -- Performance Analysis of E-Governance Citizen Centric Services Through E-Mitra in Rajasthan -- Performance Evaluation of Learners for Analyzing the Hotel Customer Sentiments Based on Text Reviews -- RC-network & Comm-network for Improvement of Research Collaboration and Communication among Delhi University Teachers.

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Sommario/riassunto

This book presents a key solution for current and future technological issues, adopting an integrated system approach with a combination of software engineering applications. Focusing on how software dominates and influences the performance, reliability, maintainability and availability of complex integrated systems, it proposes a comprehensive method of improving the entire process. The book provides numerous qualitative and quantitative analyses and examples of varied systems to help readers understand and interpret the derived results and outcomes. In addition, it examines and reviews foundational work associated with decision and control systems for information systems, to inspire researchers and industry professionals to develop new and integrated foundations, theories, principles, and tools for information systems. It also offers guidance and suggests best practices for the research community and practitioners alike. The book's twenty-two chapters examine and address current and future research topics in areas like vulnerability analysis, secured software requirements analysis, progressive models for planning and enhancing system efficiency, cloud computing, healthcare management, and integrating data-information-knowledge in decision-making. As such it enables organizations to adopt integrated approaches to system and software engineering, helping them implement technological advances and drive performance. This in turn provides actionable insights on each and every technical and managerial level so that timely action-based decisions can be taken to maintain a competitive edge. Featuring conceptual work and best practices in integrated systems and software engineering applications, this book is also a valuable resource for all researchers, graduate and undergraduate students, and management professionals with an interest in the fields of e-commerce, cloud computing, software engineering, software & system security and analysis, data-information-knowledge systems and integrated systems.

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