

1. Record Nr.	UNINA9910978382803321
Autore	Weinstein Galina
Titolo	Einstein's Legacy : From General Relativity to Black Hole Mysteries / / by Galina Weinstein
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031735721 3031735722
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Descrizione fisica	1 online resource (629 pages)
Collana	History of Physics, , 2730-7557
Disciplina	509
Soggetti	Physics - History General relativity (Physics) Gravitation History of Physics and Astronomy General Relativity Gravitational Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Journey Through Relativity 1912-1916: From Covariance to Entwurf and Back Again -- Schwarzschild, Droste, and Nordström Solve Einstein's Field Equations -- Ripples, Rotations, and the Kerr Black Hole -- Challenging General Relativity: Black Hole Thermodynamics -- Addressing the Conict Between Quantum Mechanics and General Relativity.
Sommario/riassunto	This book offers a comprehensive exploration into the intertwined realms of Einstein's theory of general relativity, the discoveries of black holes, and the quantum conundrums that challenge our understanding of the universe. It delves into the fascinating journey from the birth of general relativity to the cutting-edge debates surrounding black holes, wormholes, and quantum physics. The narrative weaves through the historical milestones, including Schwarzschild's 1916 solution, the emergence of black holes in theoretical physics, and the ongoing quest to reconcile general relativity with quantum mechanics. Central to the book is exploring the information paradox and its implications for modern physics, shedding light on the profound questions and

theoretical challenges that have captivated physicists for decades. It also critically examines the ER=EPR conjecture, a pivotal idea proposed by Leonard Susskind and Juan Maldacena, which suggests a deep connection between entangled quantum particles and the structure of spacetime. In addition, the book engages with contemporary theoretical experiments on wormholes, framed within Nancy Cartwright's philosophical theories, offering a unique perspective on the reliability and interpretation of these groundbreaking scientific concepts. The main topics covered are not only crucial for understanding the universe but also embody the ongoing quest for a unified theory in physics. They represent the cutting edge of scientific inquiry, where the mysteries of black holes, the fabric of spacetime, and the perplexities of quantum mechanics converge. This book is designed for physicists, historians of science, and academically inclined readers interested in the evolution of theoretical physics and the groundbreaking ideas that have shaped our understanding of the cosmos. It offers a detailed yet accessible narrative, making it an invaluable resource for anyone seeking to grasp the complexities and triumphs of modern physics.

2. Record Nr.

Titolo

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Knowledge Management in Organisations : 17th International Conference, KMO 2023, Bangkok, Thailand, July 24–27, 2023, Proceedings / edited by Lorna Uden, I-Hsien Ting

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1 online resource (445 pages)

Collana

Communications in Computer and Information Science, , 1865-0937 ; ; 1825

Disciplina

016.34951249

Soggetti

Artificial intelligence
Artificial Intelligence

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Includes bibliographical references and index.

Knowledge Transfer & Sharing -- Startups Knowledge Sharing Through Entrepreneurial Networks and The Catalytic Role of Incubators -- Exploring the startups' paths for knowledge sharing in an emerging economy: a multilevel analysis -- Knowledge Gaps Implementing Electronic Content Management in the Third Sector -- Knowledge sharing during natural disasters: key characteristics of social media enablement -- Knowledge in Business & Organisation -- Telework Experience and Frequency, and Knowledge Management during COVID-19 in Japan -- What is the Impact of Employees' Knowledge and Competencies on Building Sustainable Businesses? A Responsible Knowledge Management Perspective -- The Role of Tacit Knowledge for Enhanced Quality Service Delivery in Organizations -- Cybersecurity Management in micro, small, and medium enterprises in Colombia -- Study on the impact of the telework on the employee's productivity improvement and its business performance -- Digital Transformation and Innovation -- National innovation systems, knowledge resources and international competitiveness -- Exploring the Context with Factors of Cloud Computing to Digital Transformation and Innovation -- The Success of Business Transformation and Knowledge Management -- Data Analysis and Science -- Dealing with Dark Data -- Shining a Light -- Social Network Analysis to Accelerate for R&D of New Material Development -- Global Megatrends and Global GDP in 2004-2021: An Empirical Big Data Look at John Naisbitt's 12 Key Global Megatrend Variables and Global GDP PPP -- Corruption Control in the BRICS and in the G7 Countries: A Benchmarking Study with World Bank Data Files from Years 1996-2021 -- KM and Education -- Doctoral Program in Computer Science: a study of demand and employability in Ecuador -- Developing an Effective ICT Strategic Framework for Higher Education Institutions: A Case of Mataram University -- Peer Online Training (POT) as Learning Activity in Computer Security Audit and Risks Management Teaching Module -- Knowledge Management Process and Model -- Development and Validation of a Knowledge Audit Framework for SMEs -- Development of a Knowledge Transfer Model for family-owned SMEs -- Theoretical Model of New Ways of Knowledge Creation and their Impact on Exploratory and Exploitative Innovation -- Applying A Combination Model of Knowledge Management and Visitor Relationship Management in The Study of The Visitors of Historical Museum -- Information & Knowledge Systems -- The Use of No-code Platforms in Startups -- Software Sustainability Requirements for Knowledge Management Systems in the Cultural Heritage Domain -- The Assessment of Online Games' Cyber Security Awareness Level Based on Knowledge, Attitudes, and Behaviour Model -- Innovations in future crime decision making through the codification of temporal expert knowledge -- IT & New Trends in KM -- Optimal Controller Selection Scheme using Artificial Bee Colony and Apriori algorithms in SDN -- Add-BiGAN: An Add-based Bidirectional Generative Adversarial Networks for Intrusion Detection -- Washroom Occupancy Tracking and Hygiene Monitoring System Using IoT in Universities -- Experience-based Knowledge Management with a Conversational AI Chatbot: Taking Hand-Shaken Tea Service in Taiwan as an Example -- Healthcare -- Implementation of Quality Management Tools and Process-Based Management in Commercializing Organizations of Orthopaedic Devices in Colombia -- Can Ethnic Differences in Television Watching and Physical Activity in UK Adults Affect Diabetics? -- Potential Role of ChatGPT in Healthcare in the Prevention and Management of Non-Communicable Diseases. .

KMO 2023, held in Bangkok, Thailand, during July 24–27, 2023. The 32 full papers included in this book were carefully reviewed and selected from 73 submissions. They were organized in topical sections as follows: Knowledge Transfer & Sharing, Knowledge in Business & Organisation, Digital Transformation and Innovation, Data Analysis and Science, KM and Education, Knowledge Management Process and Model, Information & Knowledge Systems, IT & New Trends in KM, Healthcare.
