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The rapid changes that have taken place globally on the economic, social and business fronts characterized the 20th century. The magnitude of these changes has formed an extremely complex and unpredictable decision-making framework, which is difficult to model through traditional approaches. The main purpose of this book is to present the most recent advances in the development of innovative techniques for managing the uncertainty that prevails in the global economic and management environments. These techniques originate mainly from fuzzy sets theory. However, the book also explores the integration of fuzzy sets with other decision support and modeling disciplines, such as multicriteria decision aid, neural networks, genetic algorithms, machine learning, chaos theory, etc. The presentation of the advances in these fields and their real world applications adds a new perspective to the broad fields of management science and economics. Contents: Decision Making, Management and Marketing: Algorithms for Orderly Structuring of Financial OC ObjectsOCO (J Gil-Aluja); A Fuzzy Goal Programming Model for Evaluating a Hospital Service Performance (M Arenas et al.); A Group Decision Making Method Using Fuzzy Triangular Numbers (J L Garc a-Lapresta et al.); Developing Sorting Models Using Preference Disaggregation Analysis: An Experimental Investigation (M Doumpos & C Zopounidis); Stock Markets and Portfolio Management: The Causality Between Interest Rate, Exchange Rate and Stock Price in

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Emerging Markets: The Case of the Jakarta Stock Exchange (J Gupta et al.); Fuzzy Cognitive Maps in Stock Market (D Koulouriotis et al.); Neural Network vs Linear Models of Stock Returns: An Application to the UK and German Stock Market Indices (A Kanas); Corporate Finance and Banking Management: Expertons and Behaviour of Companies with Regard to the Adequacy Between Business Decisions and Objectives (A Couturier & B Fioleau); Multiple Fuzzy IRR in the Financial Decision Environment (S F Gonzilez et al.); An Automated Knowledge Generation Approach for Managing Credit Scoring Problems (M Michalopoulos et al.); and other papers. Readership: Financial managers, economists, management scientists and computer scientists."

Lost Dreams . . . Janna Bezitt has fought hard to hold onto what is left of her dreams. She has lost everything but her loyalty to the Tiria of Gayome. For the Tiria, she will risk everything. So when an Elasian, one of the Tiria's enemies, appears in Gayome, Janna must work with him to save Gayome and the Tiria's newborn First Daughter. Found Dreams . . . Tate Wyborn prides himself on believing only what he can see and hear and touch. He denounces Gayomians as fools who live according to legends. So he's not happy when he and his assistant get stranded in Gayome. And when his assistant abducts the Tiria's baby, Tate feels duty-bound to retrieve the child. He has no choice but to travel to Elasia with Janna, a woman who hates all Elasians. Master of all Dreams . . . Janna and Tate must work together to find the baby and stop a war. Still, to do that, they need to trust each other. They soon find that trust . . . and more . . . in

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each other's arms. But when allegiances are tested, will their newfound love be strong enough to save the babe . . . and their world? Award-winning author J. A. Ferguson lives in Nevada with her husband, children, and a fat cat. She is not sure which is most spoiled.

This invaluable book contains lectures presented at the Courant Institute's Mathematical Finance Seminar. The audience consisted of academics from New York University and other universities, as well as practitioners from investment banks, hedge funds and asset-management firms.

This book constitutes the refereed proceedings of the 11th International Conference of the CLEF Association, CLEF 2020, held in Thessaloniki, Greece, in September 2020.* The conference has a clear focus on experimental information retrieval with special attention to the challenges of multimodality, multilinguality, and interactive search ranging from unstructured to semi structures and structured data. The 5 full papers and 2 short papers presented in this volume were carefully reviewed and selected from 9 submissions. This year, the contributions addressed the following challenges: a large-scale evaluation of translation effects in academic search, advancement of assessor-driven aggregation methods for efficient relevance assessments, and development of a new test dataset. In addition to this, the volume presents 7 “best of the labs” papers which were reviewed as full paper submissions with the same review criteria. The 12 lab overview papers were accepted out of 15 submissions and represent scientific

challenges based on new data sets and real world problems in multimodal and multilingual information access. * The conference was held virtually due to the COVID-19 pandemic.

This book addresses a new interdisciplinary area emerging on the border between various areas of mathematics, physics, chemistry, nanotechnology, and computer science. The focus here is on problems and techniques related to graphs, quantum graphs, and fractals that parallel those from differential equations, differential geometry, or geometric analysis. Also included are such diverse topics as number theory, geometric group theory, waveguide theory, quantum chaos, quantum wire systems, carbon nano-structures, metal-insulator transition, computer vision, and communication networks. This volume contains a unique collection of expert reviews on the main directions in analysis on graphs (e.g., on discrete geometric analysis, zeta-functions on graphs, recently emerging connections between the geometric group theory and fractals, quantum graphs, quantum chaos on graphs, modeling waveguide systems and modeling quantum graph systems with waveguides, control theory on graphs), as well as research articles.

The two-volume set LNCS 11295 and 11296 constitutes the thoroughly refereed proceedings of the 25th International Conference on MultiMedia Modeling, MMM 2019, held in Thessaloniki, Greece, in January 2019. Of the 172 submitted full papers, 49 were selected for oral presentation and 47 for poster presentation; in

addition, 6 demonstration papers, 5 industry papers, 6 workshop papers, and 6 papers for the Video Browser Showdown 2019 were accepted. All papers presented were carefully reviewed and selected from 204 submissions.

This volume contains the Proceedings of the International Conference on Simulation of Semiconductor Devices and Processes, SISPAD 01, held on September 5–7, 2001, in Athens. The conference provided an open forum for the presentation of the latest results and trends in process and device simulation.

The trend towards shrinking device dimensions and increasing complexity in process technology demands the continuous development of advanced models describing basic physical phenomena involved. New simulation tools are developed to complete the hierarchy in the Technology Computer Aided Design simulation chain between microscopic and macroscopic approaches. The conference program featured 8 invited papers, 60 papers for oral presentation and 34 papers for poster presentation, selected from a total of 165 abstracts from 30 countries around the world. These papers disclose new and interesting concepts for simulating processes and devices.

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This book is the third volume in the final report of the cleaning and excavations at the Late Minoan IIIC settlement of Vronda—located near Kavousi in eastern Crete—that were conducted between 1983 and 1992. The reports on the houses of the settlement in their context, with focused analyses of specific buildings, can be found in two previous volumes: Kavousi IIA (Day, Klein, and Turner 2009) and Kavousi IIB (Day and Glowacki 2012). Detailed analyses of the architecture, pottery, other finds (including figurines and stone tools), and botanical and faunal remains are presented in this third volume, along with a complete history of the site and an attempt to reconstruct the social, political, and religious organization of the settlement.

RRB Junior Engineer Solved Previous Year Papers & Practice Tests : JE CBT Stage I Exam 1st Edition rrb je mechanical study guide rrb je practice sets, rrb je civil arihant publication, rrb je electronics books hindi kindle unlimited free, rrb je math general science general awareness gk, rrb je cbt 1 exam book rrb je gk, rrb je previous year question papers, RRB JE REASONING GENERAL INTELLIGENCE

"Scandals have undermined investor confidence in the management of firms and drawn global attention to how Management Boards of public firms are in-control of their operations. These scandals cleared the way for corporate governance committees to define new requirements on the control systems of public firms. However, the requirements of these committees did not prevent new problems with a number of firms, some of which published an in-control statement. This raises questions with respect to the effectiveness and completeness of the control of these firms, suggesting that possible quintessential elements or aspects are missing. The internal audit profession has been involved only indirectly in the discussion on corporate governance in the Netherlands. This thesis explores a theory of internal audit in relation to the nature and the control systems of Dutch public listed firms. This thesis explores literature and current practices to obtain a clear view of internal audits theoretical and practical contributions to the reasons of existence and scope of work in the control system of a firm"--Cover.

This is a selection from over 250 papers published by Abdus Salam. Professor Salam has been Professor of Theoretical Physics at Imperial College, London and Director of the International Centre for Theoretical Physics in Trieste, for which he was largely responsible for creating. He is one of the most distinguished

theoretical physicists of his generation and won the Nobel Prize for Physics in 1979 for his work on the unification of electromagnetic and weak interactions. He is well known for his deep interest in the development of scientific research in the third world (to which ICTP is devoted) and has taken a leading part in setting up the Third World Academy. His research work has ranged widely over quantum field theory and all aspects of the theory of elementary particles and more recently into other fields, including high-temperature superconductivity and theoretical biology. The papers selected represent a cross section of his work covering the entire period of 50 years from his student days to the present.

Contents: Quantum Field Theory and Dispersion Relations
Symmetries and Electroweak Unification
Lepton-Hadron Unification
Gravity, Supersymmetry and Strings
Condensed Matter and Biology
Readership: Physicists.

keywords: Abdus Salam; Quantum Field Theory; Renormalization; Gauge Theory; Electroweak Theory; Gauge Unification; Particle Symmetries; Supergravity; String Theory; Baryon Conservation; Compactification

“Abdus Salam's scientific work spans much of the history of particle physics, from early days of quantum field theory to the present. He contributed to what are now basic ideas about functional determinants, symmetries in physics, the construction of the standard model, superspace constructions of supersymmetric theories, and more. This

collection contains many papers that are still fresh after the passing of time.”

Edward Witten

This Proceedings contains the papers presented at the Third IFAC Workshop on "ADVANCES IN AUTOMOTIVE CONTROL" held in Karlsruhe, Germany, on 28-30 March 2001. As the subject indicates, the aim of this workshop was to discuss not only the latest advances related to motor vehicles, but also, and more generally, to exchange ideas between academic partners, car manufacturers and subcontractors. The plenary lectures are of great importance and the thematic sessions in the different sections are the essence of such workshops. However, the discussions between experts in the different fields, the meetings between people from industry, universities and public or private laboratories, as well as the resulting exchange of ideas, are as important. Research is often criticized for providing merely theoretical results and for the insufficient number of its applications. The motor vehicle industry offers a wide field of applications in which we can validate all techniques, tools and methods. This allows us to be involved in all the areas of fundamental research, in all the different possible approaches from fundamental research to technology transfer, and to observe the actual effects of our results. The increase in road traffic was a major problem of the last century. It is clear that one of the challenges of the XXIst century will

be to improve driving safety and comfort. The sessions in the Proceedings volume are divided as follows: Driveline control, Driveline modelling, Vehicle dynamics (I and II), Electronic architecture, Intelligent components, Engine control (I and II), Engine modelling, Modelling of combustion and turbo-charging, Diagnostics and Subsystems. The quality of the papers and the diversity of their origins clearly show the interest taken in this key sector of our research and industry.

Make the most of software-defined data centers with revolutionary VMware technologies About This Book Learn how you can automate your data center operations and deploy and manage applications and services across your public, private, and hybrid infrastructure in minutes Drive great business results with cost-effective solutions without compromising on ease, security, and controls

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processes in your data center Translate IT processes and business needs into a technical design Apply and create vRO workflow automation functionalities to services Deploy NSX in a virtual environment Technically accomplish DevOps offerings Set up and use vROPs to master the SDDC resource demands Troubleshoot all the components of SDDC In Detail VMware offers the industry-leading software-defined data center (SDDC) architecture that combines compute, storage, networking, and management offerings into a single unified platform. This book uses the most up-to-date, cutting-edge VMware products to help you deliver a complete unified hybrid cloud experience within your infrastructure. It will help you build a unified hybrid cloud based on SDDC architecture and practices to deliver a fully virtualized infrastructure with cost-effective IT outcomes. In the process, you will use some of the most advanced VMware products such as vSphere, vCloud, and NSX. You will learn how to use vSphere virtualization in a software-defined approach, which will help you to achieve a fully-virtualized infrastructure and to extend this infrastructure for compute, network, and storage-related data center services. You will also learn how to use EVO:RAIL. Next, you will see how to provision applications and IT services on private clouds or IaaS with seamless accessibility and mobility across the hybrid environment. This book will ensure you develop an SDDC approach

for your datacenter that fulfills your organization's needs and tremendously boosts your agility and flexibility. It will also teach you how to draft, design, and deploy toolsets and software to automate your datacenter and speed up IT delivery to meet your lines of businesses demands. At the end, you will build unified hybrid clouds that dramatically boost your IT outcomes. Style and approach With the ever-changing nature of businesses and enterprises, having the capability to navigate through the complexities is of utmost importance. This book takes an approach that combines industry expertise with revolutionary VMware products to deliver a complete SDDC experience through practical examples and techniques, with proven cost-effective benefits.

Lattice Dynamics covers the proceedings of the 1963 International Conference on Lattice Dynamics, held at the H.C. Ørsted Institute of the University of Copenhagen on August 5-9. This book is composed of seven parts that focus on a better fundamental understanding of the interactions between atoms in solids and their role in lattice dynamics. The major topics covered include phonon dispersion curves, anharmonic effects, optical and dielectric effects, influence of defects on lattice vibrations, elasticity, and developments. Papers on the study of vibrational spectra by infrared absorption, X-ray and neutron scattering and the electron tunneling effects as well as papers on the influence of defects and on a

variety of other problems in lattice dynamics are included. This book will prove useful to applied physicists and researchers in the field and related fields of lattice dynamics.

The presence of mobile robots in diverse scenarios is considerably increasing to perform a variety of tasks. Among them, many developments have occurred in the fields of ground, underwater, and flying robotics. Independent of the environment where they move, navigation is a fundamental ability of mobile robots so that they can autonomously complete high-level tasks. This problem can be efficiently addressed through the following actions: First, it is necessary to perceive the environment in which the robot has to move, and extract some relevant information (mapping problem). Second, the robot must be able to estimate its position and orientation within this environment (localization problem). With this information, a trajectory toward the target points must be planned (path planning), and the vehicle must be reactively guided along this trajectory considering either possible changes or interactions with the environment or with the user (control). Given this information, this book introduces current frameworks in these fields (mapping, localization, path planning, and control) and, in general, approaches to any problem related to the navigation of mobile robots, such as odometry, exploration, obstacle avoidance, and simulation.

10 in ONE CBSE Study Package Physics class 12 with 5 Sample Papers is another innovative initiative from Disha Publication. This book provides the excellent approach to Master the subject. The book has 10 key ingredients that will help you achieve success. 1. Chapter Utility Score 2. All India Board 2017 Solved Paper 3. Exhaustive theory based on the syllabus of

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Contributors from the tourist industry, economics, and environmental sciences consider issues raised by an increased desire of tourists to see nature and experience exotic cultures rather than visit famous ruins and cities, and the growing acknowledgment that tourism degrades those very attractions. Only the authors are indexed.

"The main scope of the book is to highlight the importance of intangible resources in business management, evidenced in their measurement and financial valuation, and the need for a strategic analysis that enables them to be identified and then assessed"--Provided by publisher.

A collection of original contributions by researchers who work at the forefront of a new field, lying at the intersection of computer vision and computer graphics. Several original approaches are presented to the integration of computer vision and graphics techniques to aid in the realistic modelling of objects and scenes, interactive computer graphics, augmented reality, and virtual studios. Numerous applications are also discussed, including urban and

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archaeological site modelling, modelling dressed humans, medical visualisation, figure and facial animation, real-time 3D teleimmersion telecollaboration, augmented reality as a new user interface concept, and augmented reality in the understanding of underwater scenes.

This book constitutes the refereed post-conference proceedings of the International Conferences ICCASA and ICTCC 2018, held in November 2018 in Viet Tri City, Vietnam. The 20 revised full papers presented were carefully selected from 30 submissions. The papers of ICCASA cover a wide spectrum in the area of context-aware-systems. CAS is characterized by its self- facets such as self-organization, self-configuration, self-healing, self-optimization, self-protection used to dynamically control computing and networking functions. The papers of ICTCC cover formal methods for self-adaptive systems and discuss natural approaches and techniques for computation and communication.

A comprehensive and timely review of studies of supernovae and supernova remnants.

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