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Economics of Peace and Security is a component of Encyclopedia of Development and Economic Sciences (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The theme explores the history of economic thought on war and peace, the defense budget process, patterns in military expenditure, procurement issues, the increasing globalization of the arms trade, arms race issues, global and regional security alliances, nuclear, biological, and chemical weaponry, the still much needed peace dividend, the economics of peace agreements, issues of conversion of resources from military to civilian ends, peacekeeping, the building of peacekeeping institutions, and other topics. All this is a "sampler plate" of what economics has to offer. This volume is aimed at the following five major target audiences: University and College Students Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers, NGOs and GOs. This book constitutes the proceedings of the 4th International Conference on Computational Intelligence, Cyber Security, and Computational Models, ICC3 2019, which was held in Coimbatore, India, in December 2019. The 9 papers presented in this volume were carefully reviewed and selected from 38 submissions.

They were organized in topical sections named: computational intelligence; cyber security; and computational models. This book gives details of the current problems which are rooted in past. The roots go up to 1200 years back and describes the causes of India's downfall and erosion of Indian culture and values. The causes are valid even today. It describes Mughal era, British era, Post-independence era in detail. The advent and role of Indian National Congress is explained including the role of MK Gandhi. The contributions and mistakes of all the Prime Ministers of India have been given with their impacts. The chapter on Rashtriya Swayamsewak Sangh gives unknown facets of the organization. The author, an RSS Swayamsevak, describes the strengths and weaknesses of the organization. The book deals with the Current problems and possible solutions. An insight towards the responsibilities and duties of the young generation has been given. Before 5th August 2019, J&K State did have a different flag and different constitution due to Article 370 and 35A. The J&K State was not truly acceded to India. After abrogation, the accession is complete in all respects. The book gives the Travelogue of the History. The journey from 15th August 1947 to 5th August 2019 has been connected. The highlight of the book is that it refers to various areas from ancient history to the contemporary events in respect of education, history, myths, socio-political scenarios and interweaves them nicely so that the reader gets a holistic overview of the past and present of India along with the challenges ahead and offers possible solutions. A MUST READ BOOK. Deforestation and forest degradation represent a significant fraction of the annual worldwide human-induced emission of greenhouse gases to the atmosphere, the main source of biodiversity losses and the destruction of millions of people's homes. Despite local/regional causes, its consequences are global. This book provides a general view about deforestation dynamics around the world, incorporating analyses of its causes, impacts and actions to prevent it. Its 17 Chapters, organized in three sections, refer to deforestation impacts on climate, soil, biodiversity and human population, but also describe several initiatives to prevent it. A special emphasis is given to different remote-sensing and mapping techniques that could be used as a source for decision-makers and society to promote forest conservation and control deforestation. This book provides a comprehensive overview of recent developments in network dynamics and control with applications to supply chains, manufacturing and logistics systems. It systemizes these developments in the form of new taxonomies and methodological principles to shape the research domain of supply network dynamics control. Uniquely, the book links the fundamentals of control and system theories and artificial intelligence with supply chain and operations management. It addresses the needs of researchers and practitioners alike, revealing the challenges and opportunities of supply

chain and operations management by means of dynamic system analysis. Measurement of In-vivo Force Response of Intra-abdominal Soft Tissues for Surgical Simulation -- Estimation of Soft-Tissue Model Parameters Using Registered Pre- and Postoperative Facial Surface Scans -- Virtual Endoscopy using Spherical QuickTime-VR Panorama Views -- Integration of intraoperative radiotherapy (IORT) dose distribution into the postoperative CT-based external beam radiotherapy (EBRT) treatment planing -- The application of eyeglass displays in changing the perception of pain -- Evaluation of Visualization Techniques for Image-guided Navigation in Liver Surgery -- Enhanced stereographic x-ray images -- The Communication Between Therapist and Patient in Virtual Reality: The Role of Mediation Played by Computer Technology -- Virtual Reality Assisted Cognitive Behavioral Therapy for the Treatment of Panic Disorders with Agoraphobia. -- Dextrous and Shared Interaction with Medical Data: stereoscopic vision is more important than hand-image collocation -- Usability Analysis of VR Simulation Software -- Elastically Deformable 3D Organs for Haptic Surgical Simulation -- A Generic Arthroscopy Simulator Architecture -- Virtual Reality in 3D Echocardiography: Dynamic Visualization of Atrioventricular Annuli Surface Models and Volume Rendered Doppler-Ultrasound -- Engineering and Algorithm Design for an Image Processing API: A Technical Report on ITK - the Insight Toolkit - Finite Element (FE) Modeling of the Mandible: from Geometric Model to Tetrahedral Volumetric Mesh -- Author Index Dynamic games continue to attract strong interest from researchers interested in modelling competitive as well as conflict situations exhibiting an intertemporel aspect. Applications of dynamic games have proven to be a suitable methodology to study the behaviour of players (decision-makers) and to predict the outcome of such situations in many areas including engineering, economics, management science, military, biology and political science. Dynamic Games: Theory and Applications collects thirteen articles written by established researchers. It is an excellent reference for researchers and graduate students covering a wide range of emerging and revisited problems in both cooperative and non-cooperative games in different areas of applications, especially in economics and management science. This volume provides a concise reference to the state-of-the-art in software interoperability. Composed of over 90 papers, Enterprise Interoperability II ranges from academic research through case studies to industrial and administrative experience of interoperability. The international nature of the authorship continues to broaden. Many of the papers have examples and illustrations calculated to deepen understanding and generate new ideas. There are few existential challenges more serious in the twenty first century than energy transition. As current trends in energy production prove unsustainable for the environment, energy security, and economic development,

innovation becomes imperative. Yet, with technological challenges, come legal challenges. Zillman, Godden, Paddock, and Roggenkamp assemble a team of experts in their field to debate how the law may have to adapt to changes in the area. What regulatory approach should be used? How do we deal with longer-term investment horizons and so called 'stranded assets' such as coal-fired power stations? And can a form of energy justice be achieved which encompasses human rights, sustainable development goals, and the eradication of energy poverty? With a concept as unwieldy as energy innovation, it is high time for a text tackling changes which are dynamic and diverse across different communities, and which provides a thorough examination of the legal ramifications of the most recent technological changes. This book which be of vital importance to lawyers, policy-makers, economists, and the general reader. Internet Directory, Product Directory, and US and Foreign Firms. China's new retail revolution will completely transform how the world thinks about retail and digital innovation. But is the world ready yet? In this book, the authors share an insider's perspective on what is happening in China to reveal the future for global retail, and a clear framework to help you prepare. The book presents a number of real-world cases, based on interviews and first-hand consumer experience, to decode China's retail revolution so that you can understand what is happening and why, and what it means for the rest of the world. Crucially, the book identifies five critical stages in the development of new retail that global retail executives need to grasp now: lifestyle commerce, Online-Merge-Offline retail, social retail, livestream retail and invisible retail. To help the industry get ready for this new, China-inspired paradigm in retail, the authors present a practical and simple framework - a ten-year strategic roadmap for global retail executives, which we call the "Beyond" the Value Chain Model. China's new retail is not just about fashion, cosmetics, snacks, data-driven convenient stores and commercial live streaming. At a time when the world of retail is being upended, it offers inspirational lessons in innovation, purpose and agility for global executives across the entire retail spectrum. This book constitutes the refereed proceedings of the Second International Workshop on Intelligent Agents for Telecommunication Applications, IATA'98, held in Paris, France, in July 1998, in conjunction with the 1998 Agents World Conference. The book presents 17 revised full papers carefully selected for inclusion in the volume. The book is divided into topical sections on network architecture, network configuration and planning, network optimization, network management, agent-based architectures for service applications. These volumes examine 31 crucial areas of concern, from soil degradation, depletion of water for irrigation, and loss of biodiversity to declining rural livelihoods, hunger and obesity, unjust farm labor practices, and farm animal mistreatment. Volume 1 focuses on bioenvironmental topics and volume 2 has a sociocultural focus. Experts review the current state of research on specific problems, then identify strategies for confronting those problems that balance sustainable agrifood

systems with environmental stewardship, healthy people, and equitable communities. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. The book is written to enhance the preparation of elementary teacher candidates by offering teaching ideas conducive to the development of deep understanding of concepts fundamental to the mathematics curriculum they are to teach. It intends to show how the diversity of teaching methods stems from the knowledge of mathematics content and how the appreciation of this diversity opens a window to the teaching of extended content. The book includes material that the author would have shared with teacher candidates should there have been more instructional time than a 3 credit hour master's level course, "Elementary Mathematics: Content and Methods", provides. Thus the book can supplement a basic textbook for such a course by extending content and diversifying methods. Also, the book can support graduate level mathematics education programs which have problem-solving seminars/courses in their curriculum. The book is well-informed with (available in English) the mathematical standards and recommendations for teachers from Australia, Canada, Chile, England, Japan, Korea, Singapore, and the United States. The dramatic events of 2020 have clarified the urgent need for digital transformation in countless organizations. The rise of remote work and the rapidly increasing use of cloud technologies are just two drivers of the relentless pace of digital disruption. Despite this, many companies remain underequipped or hesitant to embrace digital transformation. Understanding the key drivers of change and leveraging the powerful capabilities from technologies with a collaborative platform can aid an organization to prepare for digital transformation. Building a Digital Future provides a clearly defined roadmap for executing this change with Microsoft Dynamics 365. Firms of all types and sizes will learn how Microsoft Dynamics 365 can help them: achieve competitive advantages for their business reduce the time needed to effect change by automating time-consuming tasks drive innovation and improvements through an evergreen system post implementation Each chapter of this book is curated with best practices, compelling customer examples, pitfalls to avoid, and salient points to remember. Building a Digital Future enables organizations to truly embrace the benefits of digital transformation by anchoring Microsoft Dynamics 365 at the core of their business. Perfect for any business leader looking for a one-stop and comprehensive playbook for transforming their business into a digital powerhouse with Dynamics 365. This book presents computational tools and design principles for piles used in a wide range of applications and for different loading conditions. The chapters provide a mixture of basic engineering solutions and latest research findings in a balanced manner. The chapters are written by world-renowned experts in the field. The materials are presented in a unified manner based on both simplified and rigorous numerical methods. The first four chapters present the basic elements and steps in analysis

of piles under static and cyclic loading together with clear references to the appropriate design regulations in Eurocode 7 when relevant. The analysis techniques cover conventional code-based methods, solutions based on pile-soil interaction springs, and advanced 3D finite element methods. The applications range from conventional piles to large circular steel piles used as anchors or monopiles in offshore applications. Chapters 5 to 10 are devoted to dynamic and earthquake analyses and design. These chapters cover a range of solutions from dynamic pile-soil springs to elasto-dynamic solutions of large pile groups. Both linear and nonlinear soil behaviours are considered along with response due to dynamic loads and earthquake shaking including possible liquefaction. The book is unique in its unified treatment of the solutions used for static and dynamic analysis of piles with practical examples of application. The book is considered a valuable tool for practicing engineers, graduate students and researchers. Throughout this edition we review new technologies which are helping organisations to manage change in a positive way about digital transformation. In this reprinted edition of Caleb Gattegno's 1967 book Teaching Reading with Words in Color, teachers are guided through the science and practicalities of using this revolutionary literacy approach. From using a pointer to tap on the charts to studying structures with the use of grammar cards and other materials, Gattegno paints the picture of a well-rounded Words in Color classroom. Although the materials have been updated over the years, this guide still speaks to the heart of this learning-centered approach to teaching reading, writing, and spelling. Living Shorelines: The Science and Management of Nature-based Coastal Protection compiles, synthesizes and interprets the current state of the knowledge on the science and practice of nature-based shoreline protection. This book will serve as a valuable reference to guide scientists, students, managers, planners, regulators, environmental and engineering consultants, and others engaged in the design and implementation of living shorelines. This volume provides a background and history of living shorelines, understandings on management, policy, and project designs, technical synthesis of the science related to living shorelines including insights from new studies, and the identification of research needs, lessons learned, and perspectives on future guidance. Makes recommendations on the correct usage of the term living shorelines Offers guidance for shoreline management in the future Includes lessons learned from the practice of shoreline restoration/conservation Synthesizes regional perspectives to identify strategies for the successful design and implementation of living shorelines Reviews specific design criteria for successful implementation of living shorelines Provides detailed discussions of social, regulatory, scientific and technical considerations to justify and design living shoreline projects International perspectives are presented from leading researchers and managers in the East, West and Gulf coasts of the United States, Europe, Canada, and Australia that are working on natural approaches to shoreline management. The broad geographic scope and interdisciplinary

nature of contributing authors will help to facilitate dialogue and transfer knowledge among different disciplines and across different regions. This book provides coastal communities with the scientific foundation and practical guidance necessary to implement effective shoreline management that enhances ecosystem services and coastal resilience now and into the future. Data is the base for information, information is needed to have knowledge, and knowledge is used to make decisions and manage 21st century businesses and organizations. Thus, it is imperative to remain up to date on the major breakthroughs within the technological arena in order to continually expand and enhance knowledge for the benefit of all institutions. Information Technology Trends for a Global and Interdisciplinary Research Community is a crucial reference source that covers novel and emerging research in the field of information science and technology, specifically focusing on underrepresented technologies and trends that influence and engage the knowledge society. While highlighting topics that include computational thinking, knowledge management, artificial intelligence, and visualization, this book is essential for academicians, researchers, and students with an interest in information management. This document brings together a set of latest data points and publicly available information relevant for Agile & AI Operations Industry. We are very excited to share this content and believe that readers will benefit from this periodic publication immensely. This volume aims to solicit new tools and insights for expanding state-of-the-art applications of Appreciative Inquiry. It revolves around three fundamental aspects of organizational generativity, namely: generative knowledge and organizational life, collective action and the appreciative inquiry summit, and sustainable inter-generative dynamics. Provides insight on both classical means and new trends in the application of power electronic and artificial intelligence techniques in power system operation and control This book presents advanced solutions for power system controllability improvement, transmission capability enhancement and operation planning. The book is organized into three parts. The first part describes the CSC-HVDC

and VSC-HVDC technologies, the second part presents the FACTS devices, and the third part refers to the artificial intelligence techniques. All technologies and tools approached in this book are essential for power system development to comply with the smart grid requirements. Discusses detailed operating principles and diagrams, theory of modeling, control strategies and physical installations around the world of HVDC and FACTS systems Covers a wide range of Artificial Intelligence techniques that are successfully applied for many power system problems, from planning and monitoring to operation and control Each chapter is carefully edited, with drawings and illustrations that helps the reader to easily understand the principles of operation or application Advanced Solutions in Power Systems: HVDC, FACTS, and Artificial Intelligence is written for graduate students, researchers in transmission and distribution networks, and power system operation. This book also serves as a reference for professional software developers and practicing engineers.

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