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Research and Practical Issues of Enterprise Information Systems  
 E-Business and Telecommunications  
 Policy Making and Implementation  
 Intelligent Analytics With Advanced Multi-Industry Applications  
 Government Finance Statistics Yearbook, 2002  
 The water, energy and food-security nexus in Asia and the Pacific  
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 Biogeography and Ecology of New Guinea  
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 Mathematics Education in a Neocolonial Country: The Case of Papua New Guinea

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## SIMONE MELENDEZ

### Research and Practical Issues of Enterprise Information Systems World Scientific

In today's rapidly evolving educational landscape, traditional teaching methods often fail to equip students with the skills necessary for success in the 21st century. The siloed approach to education, where subjects are taught in isolation, must reflect the interconnected nature of modern challenges. This disconnect between traditional educational models and the needs of the future workforce is a serious concern among educators. They face the challenge of preparing students for professions that still need to be

created using tools and technologies that are still emerging. Revolutionizing Curricula Through Computational Thinking, Logic, and Problem Solving offers a transformative solution to this challenge. By advocating for computational thinking as a fundamental skill set applicable across all academic disciplines, the book provides educators with the tools to bridge this gap. It introduces computational thinking not just as a technical skill but as a way of problem-solving and logical reasoning that enhances critical thinking across subjects. Through practical lesson plans, case studies, and strategies, educators can seamlessly integrate computational thinking into their classrooms, preparing students for the complexities of the modern world. [E-Business and Telecommunications IGI Global](#)

Disasters undermine societal well-being, causing loss of lives and damage to social and economic infrastructures. Disaster resilience is central to achieving the 2030 Sustainable Development Goals, especially in regions where extreme inequality combines with the increasing frequency and intensity of natural disasters. Disaster risk reduction and resilience requires participation of wide array of stakeholders ranging from academicians to policy makers to disaster managers. Disaster Resilient Cities: Adaptation for Sustainable Development offers evidence-based, problem-solving techniques from social, natural, engineering and other disciplinary perspectives. It connects data, research, conceptual work with practical cases on disaster risk management, capturing the multi-sectoral aspects of disaster resilience, adaptation strategy and

sustainability. The book links disaster risk management with sustainable development under a common umbrella, showing that effective disaster resilience strategies and practices lead to achieving broader sustainable development goals. - Provides foundational knowledge on integrated disaster risk reduction and management to show how resilience and its associated concept such as adaptive and transformative strategies can foster sustainable development - Brings together disaster risk reduction and resilience scientists, policy-makers and practitioners from different disciplines - Case studies on disaster risk management from natural science, social science, engineering and other relevant disciplinary perspectives Policy Making and Implementation IGI Global

This book constitutes the refereed conference proceedings of the 14th IFIP WG 6.11 Conference on e-Business, e-Services and e-Society, I3E 2015, held in Delft, The Netherlands, in October 2015. The 40 revised full papers presented together with 1 keynote panel were carefully reviewed and selected from 65 submissions. They are organized in the following topical sections: adoption; big and open data; e-business, e-services,, and e-society; and witness workshop.

**Intelligent Analytics With Advanced Multi-Industry Applications** Springer Nature

This two-volume set (CCIS 1393 and CCIS 1394) constitutes selected and revised papers of the 4th International Conference on Advanced Informatics for Computing Research, ICAICR 2020, held in Gurugram, India, in December 2020. The 34 revised full papers and 51 short papers presented were carefully reviewed and selected from 306 submissions. The papers are organized in topical sections on computing methodologies; hardware; networks; security and privacy.

**Government Finance Statistics Yearbook, 2002** IGI Global

The COVID-19 pandemic has highlighted the importance of health data, technology, and access to health informatics. The applications of several information technologies in the context of healthcare are proving instrumental in pandemic control. These technologies were already actively used in the healthcare sector before the pandemic. However, the pandemic has resulted in researchers reassessing how these technologies could have better assisted with the aftermath of the COVID-19 pandemic and how they may mitigate the threat of future pandemics. *Health Informatics and Patient Safety in Times of Crisis* provides a fresh

perspective on how healthcare informatics has managed the current pandemic and how improved healthcare informatics could help in a future crisis. Covering topics such as digital public health, misinformation, and knowledge management, this premier reference source is an indispensable resource for medical professionals, hospital administrators, public health officials, community leaders, international leaders, libraries, medical students, medical professors, researchers, and academicians.

**The water, energy and food-security nexus in Asia and the Pacific** IGI Global

This book constitutes the refereed proceedings of the 12th International Joint Conference on E-Business and Telecommunications, ICETE 2015, held in Colmar, France, in July 2015. ICETE is a joint international conference integrating four major areas of knowledge that are divided into six corresponding conferences: International Conference on Data Communication Networking, DCNET; International Conference on E-Business, ICE-B; International Conference on Optical Communication Systems, OPTICS; International Conference on Security and Cryptography, SECRIPT; International Conference on Wireless Information Systems, WINSYS; and International Conference on Signal Processing and Multimedia, SIGMAP. The 23 full papers presented together with an invited paper in this volume were carefully reviewed and selected from 218 submissions. The papers cover the following key areas of e-business and telecommunications: data communication networking; e-business; optical communication systems; security and cryptography; signal processing and multimedia applications; wireless information networks and systems.

Health Informatics and Patient Safety in Times of Crisis Springer Nature

*The Ecology of Papua* provides a comprehensive review of current scientific knowledge on all aspects of the natural history of western (Indonesian) New Guinea. Designed for students of conservation, environmental workers, and academic researchers, it is a richly detailed text, dense with biogeographical data, historical reference, and fresh insight on this complicated and marvelous region. We hope it will serve to raise awareness of Papua on a global as well as local scale, and to catalyze effective conservation of its most precious natural assets. New Guinea is the largest and highest tropical island, and one of the last great wilderness areas remaining on Earth. Papua, the western half of New Guinea, is noteworthy

for its equatorial glaciers, its vast forested floodplains, its imposing central mountain range, its Raja Ampat Archipelago, and its several hundred traditional forest-dwelling societies. One of the wildest places left in the world, Papua possesses extraordinary biological and cultural diversity. Today, Papua's environment is under threat from growing outside pressures to exploit its expansive forests and to develop large plantations of oil palm and biofuels. It is important that Papua's leadership balance economic development with good resource management, to ensure the long-term well-being of its culturally diverse populace.

**Integrating AI-Driven Technologies Into Service Marketing** IGI Global

With the rising need to address shifting global temperatures, precipitation patterns, and atmospheric conditions, text mining and sentiment analysis play a crucial role in managing climate change and promoting environmental sustainability. These techniques provide valuable insights to support decision-making, stakeholder engagement, risk management, policymaking, and corporate communication efforts to address the changing climate and respond to important crises. Further research into text mining and sentiment analysis is necessary to understand the public's perception on climate change, address corporate concerns, and identify emerging risks associated with the environment. *Text Mining and Sentiment Analysis in Climate Change and Environmental Sustainability* provides updated information on the emergence and role of text mining and sentiment analysis in predicting climate change and promoting environmental sustainability. It covers emerging trends involved in the nexus of text mining, sentiment analysis, climate change and environmental sustainability. This book covers topics such as environmental science, sustainable development, and machine learning, and is a useful resource for climatologists, environmental scientists, computer engineers, data scientists, academicians, and researchers.

*Appropriate Technology For Development* IGI Global

Most education research is undertaken in western developed countries. While some research from developing countries does make it into research journals from time to time, but these articles only emphasize the rarity of research in developing countries. The proposed book is unique in that it will cover education in Papua New Guinea over the millennia. Papua New Guinea's multicultural society with

relatively recent contact with Europe and the Middle East provides a cameo of the development of education in a country with both a colonial history and a coup-less transition to independence. Discussion will focus on specific areas of mathematics education that have been impacted by policies, research, circumstances and other influences, with particular emphasis on pressures on education in the last one and half centuries. This volume will be one of the few records of this kind in the education research literature as an in-depth record and critique of how school mathematics has been grown in Papua New Guinea from the late 1800s, and should be a useful addition to graduate programs mathematics education courses, history of mathematics, as well as the interdisciplinary fields of cross cultural studies, scholarship focusing on globalization and post / decolonialism, linguistics, educational administration and policy, technology education, teacher education, and gender studies.

**The Water, Energy, and Food Security Nexus in Asia and the Pacific**

Routledge

Detailed annual data for Fund member governments are supplied on revenue income by source (tax, lending, bonds, etc.), and expenditure by sector (defense, education, health, etc.) for all levels of government (national, state, local). Topics covered include deficit/surplus or total financing, revenues or grants, expenditures, lending minus repayments, domestic financing, foreign financing, domestic debt or total debt, and foreign debt. The Yearbook provides data on budgetary operations, extra-budgetary operations, social security, and consolidated financial operations of central governments. A section of the Government Finance Statistics Yearbook is devoted to a cross-country comparison of data.

**Text Mining and Sentiment Analysis in Climate Change and Environmental Sustainability** Springer Nature

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application,

this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

**Decision Management: Concepts, Methodologies, Tools, and Applications** Springer Nature

This open access book addresses a wide variety of events and technologies concerning the sago palm, ranging from its botanical characteristics, culture and use to social conditions in the places where it is grown, in order to provide a record of research findings and to benefit society. It discusses various subjects, including the sago palm and related species; differentiation of species of starch-producing palm; habitat, morphological, physiological and growth characteristics; culture and management; productivity of carbon dioxide; starch extraction and manufacture; characteristics and utilization of starch; and cultural anthropological and folkloristic aspects. Problems such as food shortages due to increasing populations, global warming and climate change, and decreasing reserves of oil and other underground resources, have become more pressing in recent years. In the context of these problems, the book examines the role of the sago palm in sustainable food production, in the manufacture of other foodstuffs, as a raw material for ethanol and in the manufacture of biodegradable plastics. In addition to academics, this book will be useful to researchers and government officials working for international agencies, national governments, municipalities, and other research organizations; technicians, researchers, managers, entrepreneurs, and others working in industries such as agriculture, plant production, food production, manufacturing, chemical engineering, energy production, and distribution.

**Encyclopedia of Library and Information Science** Elsevier

J. L. Gressitt New Guinea is a fantastic island, unique and fascinating. It is an area of incredible variety of geomorphology, biota, peoples, languages, history, traditions and cultures. Diversity is its prime characteristic, whatever the subject of interest. To a biogeographer it is tantalizing, as well as confusing or frustrating when trying to determine the history of its biota. To an ecologist, and to all biologists, it is a happy hunting ground of endless surprises and unanswered questions. To a conservationist it is like a dream come true, a "flash-back" of a few centuries, as well as a challenge for the future. New Guinea is so special that it is

hard to compare it with other islands or tropical areas. It is something apart, with its very complicated history (chapters I: 2-4, II: 1-4, III: I, VI: I, 2). It is partly old but to a great extent very young, yet extremely rich and complex. It has biota of different sources - to such a degree that it is still disputed in this volume as to what Realm it belongs to: the Paleotropical or Notogaeon (Australian); or what Region: Oriental, "Oceanic," Papuan or Australian. The terms Papuasian, Indo-Australian and Australasian also have been applied to the area.

**Managing Climate Change Adaptation in the Pacific Region** Springer

The implementation of effective decision making protocols is crucial in any organizational environment in modern society. Emerging advancements in technology and analytics have optimized uses and applications of decision making systems. Decision Management: Concepts, Methodologies, Tools, and Applications is a compendium of the latest academic material on the control, support, usage, and strategies for implementing efficient decision making systems across a variety of industries and fields. Featuring comprehensive coverage on numerous perspectives, such as data visualization, pattern analysis, and predictive analytics, this multi-volume book is an essential reference source for researchers, academics, professionals, managers, students, and practitioners interested in the maintenance and optimization of decision management processes.

**Advanced Informatics for Computing Research** ANU E Press

In an era marked by rapid technological advancements and the increasing integration of artificial intelligence (AI) into various sectors, the intersection of AI technologies with service marketing stands as a pivotal frontier. It is essential to explore the intricate nexus between AI technologies and service marketing strategies. Integrating AI-Driven Technologies Into Service Marketing elucidates the transformative impact of AI on key facets of service marketing, ranging from customer engagement and relationship management to market segmentation and product customization. It underscores the imperative for stakeholders in emerging economies to harness the power of AI technologies in crafting innovative and adaptive service marketing strategies. The book navigates the complexities of AI adoption while offering pragmatic recommendations for fostering responsible and inclusive AI-driven service marketing ecosystems. Covering topics such as customer

engagement, influencer marketing, and sentiment analysis, this book is an excellent resource for scholars, researchers, educators, business professionals, managers, academicians, postgraduate students, and more.

Higher Education in the Asia-Pacific IGI Global

The rapid progress of artificial intelligence (AI) technologies has resulted in a complicated landscape for researchers and practitioners. Understanding and navigating the complexities of AI applications, particularly in the context of ChatGPT and its interactions with other AI tools, can be challenging. Researchers and academics need guidance to keep up with these technologies' evolving trends and implications, which leads to gaps in knowledge and implementation strategies. Additionally, the ethical and societal impacts of integrating AI into various domains remain a significant concern, requiring a comprehensive approach to address. Applications, Challenges, and the Future of ChatGPT provide a comprehensive solution to these issues by offering a detailed analysis of the current research trends in AI, focusing on ChatGPT and its interactions with other AI tools. The book delves into how we can effectively utilize ChatGPT and other AI tools to address complex problems by exploring AI applications' collaborative potentials and emerging paradigms. By identifying research gaps and suggesting future directions, this book equips researchers and practitioners with the knowledge and tools necessary to navigate the evolving landscape of AI.

Global Risk and Contingency Management Research in Times of Crisis

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Supplement 23: AIDS-HIV Programs and Services in Libraries to User Interface Evaluation

Proceedings of the Fifth International Congress on Mathematical Education

UNESCO Publishing

This survey provides unprecedented scope and detail of analysis on higher education in the Asia-Pacific region. In this era of global integration, convergence and

comparison, the balance of power in worldwide higher education is shifting. In less than two decades the Asia-Pacific region has come to possess the largest and fastest growing higher education sector on Earth. The countries of East and Southeast Asia and the Western Pacific together enrol 50 million tertiary students, compared to 14 million in 1991, and will soon conduct a third of all research and development. In China, Hong Kong, Taiwan, Korea and Singapore, 'world-class' universities are emerging at breakneck pace, fostered by modernizing governments that see knowledge and skills as key to a future shaped equally by East and West, and supported by families deeply committed to education. But not all Asia-Pacific countries are on this path, not all reforms are effective, and there are marked differences between nations in levels of resources, educational participation, research, state controls and academic freedom. Higher Education in the Asia-Pacific: Strategic responses to globalization provides an authoritative survey of tertiary education in this diverse and dynamic region. Its 23 chapters, written by authors from a dozen different countries, focus successively on the Asia-Pacific as a whole, the strategies of individual universities, and national policies and strategies in response to the global challenge.

**Agents and Artificial Intelligence**

Tuttle Publishing

This book contains the revised and extended versions of selected papers from the 11th International Conference on Agents and Artificial Intelligence, ICAART 2019, held in Prague, Czech Republic, in February 2019. Overall, 46 full papers, 66 short papers, and 36 poster papers were carefully reviewed and selected from 202 initial submissions. 17 of the 46 full papers were selected to be included in this volume. These papers deal with topics such as natural language processing, artificial intelligence, and agents.

**Data Envelopment Analysis (DEA) Methods for Maximizing Efficiency**

Springer Science & Business Media

This unique volume presents an

ecocultural and embodied perspective on understanding numbers and their history in indigenous communities. The book focuses on research carried out in Papua New Guinea and Oceania, and will help educators understand humanity's use of numbers, and their development and change. The authors focus on indigenous mathematics education in the early years and shine light on the unique processes and number systems of non-European styled cultural classrooms. This new perspective for mathematics education challenges educators who have not heard about the history of number outside of Western traditions, and can help them develop a rich cultural competence in their own practice and a new vision of foundational number concepts such as large numbers, groups, and systems. Featured in this invaluable resource are some data and analyses that chief researcher Glendon Angove Lean collected while living in Papua New Guinea before his death in 1995. Among the topics covered: The diversity of counting system cycles, where they were established, and how they may have developed. A detailed exploration of number systems other than base 10 systems including: 2-cycle, 5-cycle, 4- and 6-cycle systems, and body-part tally systems. Research collected from major studies such as Geoff Smith's and Sue Holzknicht's studies of Morobe Province's multiple counting systems, Charly Muke's study of counting in the Wahgi Valley in the Jiwaka Province, and Patricia Paraide's documentation of the number and measurement knowledge of her Tolai community. The implications of viewing early numeracy in the light of this book's research, and ways of catering to diversity in mathematics education. In this volume Kay Owens draws on recent research from diverse fields such as linguistics and archaeology to present their exegesis on the history of number reaching back ten thousand years ago. Researchers and educators interested in the history of mathematical sciences will find History of Number: Evidence from Papua New Guinea and Oceania to be an invaluable resource.