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Macworld Lecture Notes in Computational Intelligence and Decision Making Proceedings of the XV International Scientific Conference “Intellectual Systems of Decision Making and Problems of Computational Intelligence” (ISDMCI'2019), Ukraine, May 21-25, 2019 Springer Information and computer technologies for data analysis and processing in various fields of data mining and machine learning generates the conditions for increasing the effectiveness of information processing by making it faster and more accurate. The book includes 49 scientific papers presenting the latest research in the fields of data mining, machine learning and decision-making. Divided into three sections: “Analysis and Modeling of Complex Systems and Processes”; “Theoretical and Applied Aspects of Decision-Making Systems”; and “Computational Intelligence and Inductive Modeling”, the book is of interest to scientists and developers in the field. **Object-Based Image Analysis Spatial Concepts for Knowledge-Driven Remote Sensing Applications Springer Science & Business Media** This book brings together a collection of invited interdisciplinary perspectives on the recent topic of Object-based Image Analysis (OBIA). Its content is based on select papers from the 1 OBIA International Conference held in Salzburg in July 2006, and is enriched by several invited chapters. All submissions have passed through a blind peer-review process resulting in what we believe is a timely volume of the highest scientific, theoretical and technical standards. The concept of OBIA first gained widespread interest within the GIScience (Geographic Information Science) community circa 2000, with the advent of the first commercial software for what was then termed ‘obje- oriented image analysis’. However, it is widely agreed that OBIA builds on older segmentation, edge-detection and classification concepts that have been used in remote sensing image analysis for several decades. Nevert- less, its emergence has provided a new critical bridge to spatial concepts applied in

multiscale landscape analysis, Geographic Information Systems (GIS) and the synergy between image-objects and their radiometric characteristics and analyses in Earth Observation data (EO). **Nigeria's Resource Wars** *Vernon Press* 'Nigeria's Resource Wars' reflects on the diversity of conflicts over access to, and allocation of, resources in Nigeria. From the devastating effects of crude oil exploration in the Niger Delta to desertification caused by climate change, and illegal gold mining in Zamfara, to mention a few, Nigeria faces new dimensions of resource-related struggles. The ravaging effects of these resource conflicts between crop farmers and Fulani herders in Nigeria's Middlebelt and states across Southern Nigeria call for urgent scholarly interventions; with the Fulani cattle breeders' onslaught altering the histories of many Nigerian families through deaths, loss of homes and investments, and permanent physical incapacity. Currently, there is an almost total breakdown of interethnic relations, with political commentators acknowledging that Nigeria has never been so divided as it presently is in its history. The struggles have now degenerated into kidnaps, armed robbery, and incessant targeted and random killings across the country; compounding the already complex problem of insecurity in Nigeria. The chapters in this volume engage with these issues, presenting the different arguments on resource conflicts in Nigeria. They draw insights from similar conflicts in Nigeria's colonial/post-independence past and events from around the world to proffer possible solutions to resource-related confrontations in Africa. By offering a collection of different intellectual perspectives on resource conflicts in Nigeria, this volume will be an important reference material for understanding the diversity of thought patterns that underpin the struggle and policy approaches towards resolving conflict situations in Africa. This volume will be of considerable interest to scholars of Africa, researchers in the humanities, social sciences, and conflict studies, and policymakers interested in understanding the resource crisis in Africa. **Cocaine Hoppers Nigerian International Cocaine Trafficking** *Rowman & Littlefield* This lively, theoretically grounded study examines the new trend of traffickers dominating the illicit cocaine trade through West Africa to destinations across the globe to provide an account of Nigerian involvement in international drug trafficking as it has never been divulged before. **Earth Observation** *BoD - Books on Demand* Today, space technology is used as an excellent instrument for Earth observation applications. Data is collected using satellites and other available platforms for remote sensing. Remote sensing data collection detects a wide range of electromagnetic energy which is emitting, transmitting, or reflecting from the Earth's surface. Appropriate detection systems are needed to implement further data processing. Space technology has been found to be a successful application for studying climate change, as current and past data can be dynamically compared. This book presents different aspects of climate change and discusses space technology applications. **Building the Spatial University Spatial Thinking, Learning, and Service Throughout the System** *Springer Nature* This volume discusses the

concept of The Spatial University as part of the broad growth of spatial science and the need for spatial infrastructure in colleges and universities. The book centers on the development of U-Spatial, the spatial science infrastructure at the University of Minnesota that offers a range of spatial activities and services, including data access, training, and community building. Against a backdrop of the changing nature of research, teaching, and service in higher education, the story of U-Spatial anchors a broader discussion of what it means to be a spatial university. This narrative framing demonstrates with specific examples the importance of institutions offering dedicated spatial research infrastructure. In six chapters, the text explores the importance of spatial thinking, learning, and research for student and researcher success. The volume offers lessons that are applicable far beyond the University of Minnesota to apply to a broad array of domains and institutional specializations. The book will be useful to students, researchers, and policymakers concerned with how institutions can encourage spatial research, teaching, and service. It will also appeal to researchers and practitioners interested in broader uses of spatial science. This book shows how GIS can transform a university, speaking to the need for leadership in higher education around the power of bringing everything together using spatial and geographic concepts. Jack Dangermond Co-Founder and President, Esri. *Yearbook on Space Policy 2016 Space for Sustainable Development* Springer The Yearbook on Space Policy, edited by the European Space Policy Institute (ESPI), is the reference publication analysing space policy developments. Each year it presents issues and trends in space policy and the space sector as a whole. Its scope is global and its perspective is European. The Yearbook also links space policy with other policy areas. It highlights specific events and issues, and provides useful insights, data and information on space activities. The first part of the Yearbook sets out a comprehensive overview of the economic, political, technological and institutional trends that have affected space activities. The second part of the Yearbook offers a more analytical perspective on the yearly ESPI theme and consists of external contributions written by professionals with diverse backgrounds and areas of expertise. The third part of the Yearbook carries forward the character of the Yearbook as an archive of space activities. The Yearbook is designed for government decision-makers and agencies, industry professionals, as well as the service sectors, researchers and scientists and the interested public. *Casebook of Traumatic Injury Prevention* Springer Nature This casebook profiles exceptional traumatic injury prevention programs from all over the globe. Its detailed description and analysis employ a multi-stage process of identifying, evaluating, and casing effective prevention practices. The case studies reflect how legislative and regulatory information impact prevention efforts and provide insight into how national centers for injury prevention and control inform prevention practices on countrywide levels. The authors work with outcome-based research criteria to select and develop their comprehensive and contextually aware profiles of the programs. All

included case studies follow the BRIO approach (Background, Resources, Implementation, and Outcome) - a model designed to provide a consistent way of describing programs that have been evaluated and found to be exceptional practices. The scope of the Casebook ranges across: The challenge of traumatic injury prevention Sports and recreation-related traumatic injury prevention Fall-related traumatic injury prevention Road traffic-related traumatic injury prevention Traumatic injury prevention within complex systems In its recognition of traumatic injury prevention across the lifespan as a critical and complex public health challenge, the Casebook of Traumatic Injury Prevention promises to be an influential and authoritative resource for professionals and students in public health, safety, injury prevention, medicine, psychology, sociology, nursing, and engineering. Government agencies and institutions such as the Centers for Disease Control and Prevention (CDC), public health departments, and safety associations also would find the Casebook relevant to their work. Green Stormwater Infrastructure for Sustainable Urban and Rural Development *MDPI* "Green Stormwater Infrastructure for Sustainable Urban and Rural Development" offers some of the latest international scientific and practitioner findings around the adaptation of urban, rural and transportation infrastructures to climate change by sustainable water management. This book addresses the main gaps in the up-to-date literature and provides the reader with a holistic view, ranging from a strategic and multiscale planning, implementation and decision-making angle down to the engineering details for the design, construction, operation and maintenance of green stormwater techniques such as sustainable drainage systems (SuDS) and stormwater control measures (SCMs). This book is particularly recommended for a wide audience of readers, such as academics/researchers and students in the fields of architecture and landscaping, engineering, environmental and natural sciences, social and physical geography and urban and territorial planning. This book is also a resource for practitioners and professionals developing their work in architecture studios, engineering companies, local and regional authorities, water and environmental industries, infrastructure maintenance, regulators, planners, developers and legislators. Oracle BI 11g Create Analyses and Dashboards This textbook offers an exhaustive, step-by-step guide through the powerful features of the Oracle Business Intelligence (BI) product suite. One will learn the concepts, methods and techniques for building sophisticated data analytic modules. Analytic results are then organized into interactive dashboards. A solid foundation is laid for one to progress onto the latest and most advanced data analytic capabilities. The following specific topics are included in this guide book: Background discussion of data warehousing, business intelligence (BI) and data analytics presented in a form that business professionals can readily understand; Background concepts regarding logical data models, star schema and snowflake schema warehouse models; How to build analytical models using fact tables, dimensions, dimension hierarchies, cubes, measures and other

multidimensional data model objects; Use interactive Dashboards to analyze data, uncover trends and make strategic business decisions; Export BI results to productivity software such as Microsoft Office or other external systems; Design customized Dashboards to reflect an individual's role, perspective or business interest; Creating data analyses and dynamically interact with results produced from Oracle BI; Format analyses using sorts, filters and prompts; Format column output, subtotaling, customization of column properties and transforming column data using formulas; Create results with compound layouts, including views such as tabular, chart, pivot table, gauge and others; Manage content, permissions and access within the Presentation Catalog. This textbook includes dozens of learning exercises, with detailed point-and-click solutions also provided. *Proceedings of the Global Symposium on Soil Erosion Food & Agriculture Org.* The proceedings book of the Global Symposium on Soil Erosion (GSER19) contains all papers presented both orally and in poster format during the symposium (15-17 May 2019, FAO HQ). The papers presented have provided sufficient scientific evidence to show that soil erosion is a global threat to food production systems, available land for future demand, rural livelihoods, human health and biodiversity, and that coordinated effective action needs to be fostered and accelerated to address this issue. Studies presented provided scientific evidence that soil erosion is accelerated by anthropogenic action. In the current context of population increase and climate change, urgent action is needed from governments to support farmers and land-users in the transition to sustainable production systems, and crucial action is needed at global level to raise awareness of the importance of healthy and productive soils, to ensure a sustainable future and the achievement of many of the SDGs targeting hunger, water quality, and life on land, amongst others. *Cyclones in Southern Africa Volume 3: Implications for the Sustainable Development Goals Springer Nature* Tropical cyclones in Southern Africa, also known as hurricanes or typhoons in other regions of the world, is a hot subject for academic research. This focus has been magnified by the need to consider tropical cyclones in the context of other global development agendas, that includes the 2030 Agenda for Sustainable Development and its inseparable 17 Sustainable Development Goals (SDGs), the Paris Agreement, the Sendai Framework for Disaster Risk Reduction and Habitat III's New Urban Agenda. The ambitious SDGs challenge global and community leaders to make sure development addresses the nexus among poverty, inequality and employment creation, as well as care for the earth and its natural resources and biodiversity. The SDGs further present an agenda to eradicate hunger, bring quality education and sustain water and sanitation. The infrastructure development, human settlements, sustainable consumption and production, climate change, biodiversity and the ocean (blue) economy agendas are also pitched. Lastly, the 2030 Agenda for Sustainable Development encourages partnerships on delivering various programmes and projects at all spatial levels. However, as tropical cyclones continue to make multiple landfalls and ravage Southern

Africa and other parts of the world, the achievement of the 2030 Agenda for Sustainable Development is threatened. To this end, this book addresses this gap by documenting the implications of tropical cyclones, drawing examples and case studies from recent tropical cyclones such as cyclone Idai and cyclone Kenneth that resulted in catastrophic impacts in 2019. The book comes as part of a series with three volumes. The other volumes include “Cyclones in Southern Africa Vol. 1: Interfacing the Catastrophic Impact of Cyclone Idai with SDGs in Zimbabwe” and “Cyclones in Southern Africa Vol 2: Foundational and Fundamental Topics”. Given the foregoing, the book is suitable as a read for several professionals and disciplines such as tourism and hospitality studies, economics, sustainable development, development studies, environmental sciences, arts, geography, life sciences, politics, planning and public health.

Beneath Apple DOS Commerce Business Daily The Cultural Politics of Obeah *Cambridge University Press* Study of the importance of debates about obeah, and state suppression of it, for Caribbean struggles about freedom and citizenship.

Special Types of Life Cycle Assessment *Springer* This book presents specialised methods and tools built on classical LCA. In the first book-length overview, their importance for the further growth and application of LCA is demonstrated for some of the most prominent species of this emerging trend: Carbon footprinting; Water footprinting; Eco-efficiency assessment; Resource efficiency assessment; Input-output and hybrid LCA; Material flow analysis; Organizational LCA. Carbon footprinting was a huge driver for the market expansion of simplified LCA. The discussions led to an ample proliferation of different guidelines and standards including ISO/TS 14067 on Carbon Footprint of Product. Atsushi Inaba (Kogakuin University, Tokyo, Japan) and his eight co-authors provide an up-to-date status of Carbon Footprint of Products. The increasing relevance of Water Footprinting and the diverse methods were the drivers to develop the ISO 14046 as international water footprint standard. Markus Berger (Technische Universität Berlin, Germany), Stephan Pfister (ETH Zurich, Switzerland) and Masaharu Motoshita (Agency of Industrial Science and Technology, Tsukuba, Japan) present a status of water resources and demands from a global and regional perspective. A core part is the discussion and comparison of the different water footprint methods, databases and tools. Peter Saling from BASF SE in Ludwigshafen, Germany, broadens the perspective towards Eco-efficiency Assessment. He describes the BASF-specific type of eco-efficiency analysis plus adaptations like the so-called SEEBALANCE and AgBalance applications. Laura Schneider, Vanessa Bach and Matthias Finkbeiner (Technische Universität Berlin, Germany) address multi-dimensional LCA perspectives in the form of Resource Efficiency Assessment. Research needs and proposed methodological developments for abiotic resource efficiency assessment, and especially for the less developed area of biotic resources, are discussed. The fundamentals of Input-output and Hybrid LCA are covered by Shinichiro Nakamura (Waseda University, Tokyo, Japan) and Keisuke Nansai (National Institute for Environmental

Studies, Tsukuba, Japan). The concepts of environmentally extended IO, different types of hybrid IO-LCA and the waste model are introduced. David Laner and Helmut Rechberger (Vienna University of Technology, Austria) present the basic terms and procedures of Material Flow Analysis methodology. The combination of MFA and LCA is discussed as a promising approach for environmental decision support. Julia Martínez-Blanco (Technische Universität Berlin, Germany; now at Inèdit, Barcelona, Spain), Atsushi Inaba (Kogakuin University, Tokyo, Japan) and Matthias Finkbeiner (Technische Universität Berlin, Germany) introduce a recent development which could develop a new trend, namely the LCA of Organizations. *Handbook on Geospatial Infrastructure in Support of Census Activities United Nations Publications*

The Department of Economic and Social Affairs of the United Nations Secretariat is a vital interface between global policies in the economic, social and environmental spheres and national action. The Department works in three main interlinked areas: (i) it compiles, generates and analyses a wide range of economic, social and environmental data and information on which States Members of the United Nations draw to review common problems and to take stock of policy options; (ii) it facilitates the negotiations of Member States in many intergovernmental bodies on joint courses of action to address ongoing or emerging global challenges; and (iii) it advises interested Governments on the ways and means of translating policy frameworks developed in United Nations conferences and summits into programmes at the country level and, through technical assistance, helps build national capacities. The designations used and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries. The term "country" as used in this publication also refers, as appropriate, to territories or areas. The designations "developed regions" and "developing regions" are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Symbols of United Nations documents are composed of capital letters combined with figures. Mention of such a symbol indicates a reference to a United Nations document. *Global Urban Monitoring and Assessment through Earth Observation CRC Press* Cities and towns are the original producers of many of the global environmental problems related to waste disposal, and air and water pollution. There is a rapidly growing need for technologies that will enable monitoring of the world's natural resources and urban assets, and managing exposure to natural and man-made risks. The Group on Earth Observation (GEO) calls for strengthening the cooperation and coordination among global observing systems and research programs. *Global Urban Monitoring and Assessment through Earth Observation* introduces this important international collaborative effort, reviews the current state of global urban remote sensing, and expands on future directions in the field. The book reviews the current state of

global urban monitoring, assessment, modeling, and prediction through Earth observation and related technologies. It then introduces GEO's important international collaborative effort—Global Urban Observation and Information Task—and the current state of global urban remote sensing and future directions. It explores groundbreaking work in urban remote sensing and examines how it could contribute to the development of innovative concepts and techniques for sustainable urban development. Despite significant progress in recent years, there remain substantial gaps in ongoing national, regional, and global efforts to address environmental challenges. Edited by a well-known expert in the field of remote sensing, GIS, and other geospatial technologies, this book addresses the gaps in an effective and long-term manner, highlighting the importance of increased coordination and networking among major stakeholders and of working together with other key international mechanisms. Drawing on the expertise of pioneers in the field from across the globe, the book details emerging research in the theory, methods, and techniques of urban remote sensing that provide insight into how to solve the major issues of sustainable development—one of the most important issues facing society in the future.

The ASCE Standardized Reference Evapotranspiration Equation *Amer Society of Civil Engineers* This Task Committee report provides standardized equations for calculating reference evapotranspiration (ET) from weather data and procedures for quality assessment and control of weather data. The purpose of the standardized reference ET equation and calculation procedures is to bring commonality to the calculation of reference ET and to provide a standardized basis for determining or transferring crop coefficients for agriculture and landscape use. The basis of the standardized reference ET equation is the ASCE Penman-Monteith (ASCE-PM) method Manual 70. Along with applications for the ASCE-PM method, this report includes recommended calculations for vapor pressure, net radiation and wind speed adjustment, and guidelines on assessing weather data integrity and estimating values for missing data. The development of this standardized report by the Environmental and Water Resources Committee (EWRI) of ASCE, was made at the request of, and has been endorsed by, the Irrigation Association.

Life Cycle Assessment (LCA) A Guide to Approaches, Experiences and Information Sources *European Communities* **Life Cycle Assessment Canadian Journal of Speech-language Pathology and Audiology** **CJSLPA Managing Oracle Fusion Applications** *McGraw Hill Professional* **Master Oracle Fusion Applications Administer** a fully integrated application management framework across your enterprise using the detailed information contained in this Oracle Press guide. **Managing Oracle Fusion Applications** first explains key principles and then logically groups utilities into practical, ready-to-use toolboxes. Learn how to build lifecycle models, deliver dynamic business intelligence, optimize performance, mitigate risk, and integrate the latest Web 2.0 and social networking features. Compliance, security, and testing techniques are also covered in this comprehensive resource. Understand the components and architecture of

Oracle Fusion Applications Plan, develop, and implement an effective application management plan Resolve reliability issues with Oracle Enterprise Manager Configure and deploy applications from the Oracle WebLogic Server Administration Console Adjust run-time parameters using Java Management Extensions and MBeans Generate and distribute reports using Oracle Business Intelligence 11g Establish solid user authentication, access control, and data protection policies Work with Oracle Fusion Governance, Risk, and Compliance Intelligence Migration, Environment and Climate Change Assessing the Evidence *United Nations Publications* Gradual and sudden environmental changes are resulting in substantial human movement and displacement, and the scale of such flows, both internal and cross-border, is expected to rise with unprecedented impacts on lives and livelihoods. Despite the potential challenge, there has been a lack of strategic thinking about this policy area partly due to a lack of data and empirical research on this topic. Adequately planning for and managing environmentally induced migration will be critical for human security. The papers in this volume were first presented at the Research Workshop on Migration and the Environment: Developing a Global Research Agenda held in Munich, Germany in April 2008. One of the key objectives on the Munich workshop was to address the need for more sound empirical research and identify priority areas of research for policy makers in the field of migration and the environment. Smart Applications and Data Analysis Third International Conference, SADASC 2020, Marrakesh, Morocco, June 25-26, 2020, Proceedings *Springer Nature* This volume constitutes refereed proceedings of the Third International Conference on Smart Applications and Data Analysis, SADASC 2020, held in Marrakesh, Morocco. Due to the COVID-19 pandemic the conference has been postponed to June 2020. The 24 full papers and 3 short papers presented were thoroughly reviewed and selected from 44 submissions. The papers are organized according to the following topics: ontologies and meta modeling; cyber physical systems and block-chains; recommender systems; machine learning based applications; combinatorial optimization; simulations and deep learning. Urban Informatics *Springer Nature* This open access book is the first to systematically introduce the principles of urban informatics and its application to every aspect of the city that involves its functioning, control, management, and future planning. It introduces new models and tools being developed to understand and implement these technologies that enable cities to function more efficiently - to become 'smart' and 'sustainable'. The smart city has quickly emerged as computers have become ever smaller to the point where they can be embedded into the very fabric of the city, as well as being central to new ways in which the population can communicate and act. When cities are wired in this way, they have the potential to become sentient and responsive, generating massive streams of 'big' data in real time as well as providing immense opportunities for extracting new forms of urban data through crowdsourcing. This book offers a comprehensive review of the methods that form the core of urban informatics from various kinds of

urban remote sensing to new approaches to machine learning and statistical modelling. It provides a detailed technical introduction to the wide array of tools information scientists need to develop the key urban analytics that are fundamental to learning about the smart city, and it outlines ways in which these tools can be used to inform design and policy so that cities can become more efficient with a greater concern for environment and equity.

African Language Media Development, Economics and Management *Routledge* This edited volume considers why the African language press is unstable and what can be done to develop quality African language journalism into a sustainable business. Providing an overview of the African language journalism landscape, this book examines the challenges of operating sustainable African language media businesses. The chapters explore the political economy and management of African language media and consider case studies of the successes and failures of African language newspapers, as well as the challenges of developing quality journalism. Covering print and digital newspapers and broadcast journalism, this book will be of interest to scholars of media and journalism in Africa.

The Greek Magical Papyri in Translation, Including the Demotic Spells *Human Scale Development* Conception, Application and Further Reflections Presents a people-centred approach to development.

Journal Proceedings of International Conference on Remote Sensing for Disaster Management Issues and Challenges in Disaster Management *Springer* The natural disasters are the killer agents which can/can't be predicted even though we have modern technology. Every year, in one place or another, disasters striking which is devastating the area and surroundings, leading to ecological disruption besides huge loss of life and property. India is vulnerable to cyclones, landslides/avalanches, earthquakes, floods, droughts, forest fires, epidemics, etc. The 5700-km long coast of India, with its dense population is vulnerable to cyclones/low depressions, tsunamis, etc. The 2400-km long rugged Himalayan terrain is vulnerable to landslides, avalanches and earthquakes. India is not only vulnerable to natural disasters, it is also experiencing industrial accidents. The Bhopal Gas tragedy is one of the major man-made disasters in the world. The state of Andhra Pradesh has 970-km long coastline with two major rivers, etc. The conference is conducted in Visakhapatnam, is famous for industries and tourism. Recently, several industrial accidents took place, besides major natural disasters like Hud-Hud, etc. Disaster management shall be implemented from the grass root level in vulnerable areas to improve the capacity building, so as to minimize the losses. The capacity building coupled with technology results in reduction of loss of life and property.

Configuring Financial Accounting in SAP ERP *SAP Press* **Very High Resolution (VHR) Satellite Imagery** *MDPI* Recently, growing interest in the use of remote sensing imagery has appeared to provide synoptic maps of water quality parameters in coastal and inner water ecosystems; monitoring of complex land ecosystems for biodiversity conservation; precision agriculture for the management of soils, crops, and pests; urban planning; disaster monitoring,

etc. However, for these maps to achieve their full potential, it is important to engage in periodic monitoring and analysis of multi-temporal changes. In this context, very high resolution (VHR) satellite-based optical, infrared, and radar imaging instruments provide reliable information to implement spatially-based conservation actions. Moreover, they enable observations of parameters of our environment at greater broader spatial and finer temporal scales than those allowed through field observation alone. In this sense, recent very high resolution satellite technologies and image processing algorithms present the opportunity to develop quantitative techniques that have the potential to improve upon traditional techniques in terms of cost, mapping fidelity, and objectivity. Typical applications include multi-temporal classification, recognition and tracking of specific patterns, multisensor data fusion, analysis of land/marine ecosystem processes and environment monitoring, etc. This book aims to collect new developments, methodologies, and applications of very high resolution satellite data for remote sensing. The works selected provide to the research community the most recent advances on all aspects of VHR satellite remote sensing. *The Emergence of Global Multi-media Conglomerates International Labour Organization* *Geostatistical Analysis of Compositional Data Oxford University Press* *Bangladesh II: Climate Change Impacts, Mitigation and Adaptation in Developing Countries Springer Nature* This volume aims to develop a framework for disaster and climate risk resilient livelihood system in Bangladesh using a policy oriented approach. It highlights the possible impacts of climate change on groundwater based irrigation in the country. Climate change is one of biggest challenges to society. It can lead to serious impacts on production, life and environment on a global scale. Higher temperatures and sea level rise will cause flooding and water salinity problems which will bring about negative effects on agriculture and high risks to industry and socio-economic systems in the future. Climate change will lead to many changes in global development and security especially energy, water, food, society, job, diplomacy, culture, economy and trade. The Intergovernmental Panel on Climate Change (IPCC) defines climate change as: "Any change in climate over time, whether due to natural variability or as a result of human activity." Global climate change has emerged as a key issue in both political and economic arenas. It is an increasingly questioned phenomenon, and progressive national governments around the world have started taking action to respond to these environmental concerns. *Image and Signal Processing 9th International Conference, ICISP 2020, Marrakesh, Morocco, June 4-6, 2020, Proceedings Springer Nature* This volume constitutes the refereed proceedings of the 9th International Conference on Image and Signal Processing, ICISP 2020, which was due to be held in Marrakesh, Morocco, in June 2020. The conference was cancelled due to the COVID-19 pandemic. The 40 revised full papers were carefully reviewed and selected from 84 submissions. The contributions presented in this volume were organized in the following topical sections: digital cultural heritage & color and spectral imaging; data and image processing for

precision agriculture; machine learning application and innovation; biomedical imaging; deep learning and applications; pattern recognition; segmentation and retrieval; mathematical imaging & signal processing. Higher Education and Policy for Creative Economies in Africa Developing Creative Economies *Routledge* The book reflects on the role of the creative economies in a range of African countries (namely Ghana, Kenya, Nigeria, South Africa and Uganda). Chapters explore how creative economies emerge and can be supported in African countries. The contributors focus on two key dimensions: the role of higher education and the role of policy. Firstly, they consider the role of higher education and alternative forms of specialised education to reflect on how the creative aspirations of students (and future creative workers) of these countries are met and developed. Secondly, they explore the role of policy in supporting the agendas of the creative economy, taking also into consideration the potential historical dimension of policy interventions and the impact of a lack of policy frameworks. The book concludes by reflecting on how these two pillars of creative economy development, which are usually taken for granted in studying creative economies in the global north, need to be understood with their own specificity in the context of our selected case studies in Africa. This book will be of interest to students, scholars and professionals researching the creative economies in Africa across the humanities and social sciences. All the royalties from the publication of this book will be donated to the not-for-profit organisation The Craft and Design Institute (CDI) (<https://www.thecdi.org.za/>) in South Africa, supporting capacity building for young creative practitioners from disadvantaged backgrounds.

Climate Change and Impacts in the Pacific *Springer Nature* This edited volume addresses the impacts of climate change on Pacific islands, and presents databases and indexes for assessing and adapting to island vulnerabilities. By analyzing susceptibility variables, developing comprehensive vulnerability indexes, and applying GIS techniques, the book's authors demonstrate the particular issues presented by climate change in the islands of the Pacific region, and how these issues may be managed to preserve and improve biodiversity and human livelihoods. The book first introduces the issues specific to island communities, such as high emissions impacts, and discusses the importance of the lithological traits of Pacific islands and how these physical factors relate to climate change impacts. From here, the book aims to analyze the various vulnerabilities of different island sectors, and to formulate a susceptibility index from these variables to be used by government and planning agencies for relief prioritization. Such variables include tropical cyclones, built infrastructures, proximity to coastal areas, agriculture, fisheries and marine resources, groundwater availability, biodiversity, and economic impacts on industries such as tourism. Through the categorization and indexing of these variables, human and physical adaptation measures are proposed, and support solutions are offered to aid the inhabitants of affected island countries. This book is intended for policy makers, academics, and

climate change researchers, particularly those dealing with climate change impacts on small islands. **Expanding Our Understanding of the Psychosocial Work Environment A Compendium of Measures of Discrimination, Harassment and Work-family Issues** *Createspace Independent Pub* "In 1996, NIOSH created the National Occupational Research Agenda to advance occupational safety and health research for the nation. This agenda encompassed 21 priority research areas, including Special Populations at Risk. This priority area was created in recognition of the fact that the nation's increasingly diverse workforce contains many women, older workers, and racial and ethnic minorities. Disparities in the burden of disease, disability, and death are experienced by these groups, due in part to their disproportionate employment in high hazard industries and to certain social, cultural and political factors. This document was developed by the investigators from the University of Massachusetts Lowell at the request of the Special Populations at Risk Team to fill that gap by disseminating to the broader occupational safety and health community a concise and accessible compendium of measures used by health researchers to assess the following domains: racism and racial/ethnic prejudice, sexism and sexual harassment, gender and racial discrimination, work-family integration and balance, support for diversity in the workplace/workforce."--Page iii.