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2020-10-27

## **SINGH ONEILL**

*African Agency in International Politics* Springer Nature

At a time when the applications of sensors are in high demand and environmental issues are international priorities, this book on biomedical and environmental sensing provides the technical basis for researchers and students to understand the requirements for biomedical computing and also environmental sensing and to develop solutions in their areas of interests. The book deals with key techniques that need to be understood and also examples of applications of the techniques. Biomedical and environmental sensing are helping to extend the life span of human beings and infrastructures as it has become more and more sensible to understand what is happening for example inside a person, an aircraft, a road network or a bridge and to provide quick response. Several chapters of the book have dealt with the state of the art in biomedical decision support systems in therapeutic medicine. A data driven decision support system and a prototype support system for anaesthetics are major enablers for doctors and nurses to provide efficient and timely response not only to diagnose ailments but also to decide on the preferred approach for solving the problems. The analyses in the chapters are coherently detailed and easy to comprehend. There is a chapter on hypothermia therapy and a hardware probe was also developed and described. Classification of chromosomes is a major aid in DNA analysis and recognition. This valuable insight into a DNA analysis method is provided. Information on heart diseases, onset of heart attacks and failure can be detected through reconstructing electrophysiological information about the surface of the heart. A reconstruction method is described in this

book and provides strong foundation for research and training in this life determining area. The remaining chapters on sensing of driver conditions including fatigue peeks into tools and methodologies for understanding both the onset of fatigue and its forms for prevention of accidents in vehicles. The rest of the book gives techniques for planning biomedical and environmental sensor networks and their security. The book will no doubt greatly serve the needs of health professionals, researchers in the health and environmental industry and policy makers. Content • Data Driven Therapy Decision Support System • A Prototype Decision Support System for Anesthetists • Development and Testing of a Low Cost, Minimally Invasive Radiofrequency Thermal Probe For Hyperthermia Therapy • Comparative Functional Magnetic Resonance Imaging With Functional Brain Imaging Modalities • Design of a Neural Network Classifier for Separation of Images With Chromosomes • De-Noising of Body Surface Potential Signals • Single Channel Wireless EEG: Proposed Application in Train Drivers • Algorithm of remote monitoring ECG using mobile phone: Conception and implementation • Statistical validation of physiological indicators for non-invasive and hybrid driver drowsiness detection system • Security and Privacy of Wireless Sensor Networks for Biomedical • Key Establishment Scheme for Clustered Distributed Sensor Networks • Planning and Addressing of Wireless Sensor Networks • Sensor Scheduling and Redeployment Mechanisms in Wireless Sensor Networks • On the combination of logistic regression and local probability estimates • Stochastic Deterioration Processes for Bridge Lifetime Assessment [Geobulletin](#) CRC Press

Johannesburg is most often compared with Sao Paulo and Los Angeles and sometimes even with Budapest, Calcutta and Jerusalem. Johannesburg reflects and informs conditions in cities around the world. As might be expected from such comparisons,

South Africa's political transformation has not led to redistribution and inclusive social change in Johannesburg. In Emerging Johannesburg the contributors describe the city's transition from a post apartheid city to one with all too familiar issues such as urban/suburban divide in the city and its relationship to poverty and socio-political power, local politics and governance, crime and violence, and, especially for a city located in Southern Africa, the devastating impact of AIDS.

### **South African Medical Journal** SSRIC

This book examines social, economic and political issues in West, Eastern and Southern Africa in relation to borders, human mobility and regional integration. In the process, it highlights the innovative aspects of human agency on the African continent, and presents a range of empirical case studies that shed new light on Africa's social, economic and political realities. Further, the book explores cooperation between African nation-states, including their historical socioeconomic interconnections and governance of transboundary natural resources. Moreover, the book examines the relationship between the spatial mobility of borders and development, and the migration regimes of nation-states that share contiguous borders in different geographic territories. Further topics include the coloniality of borders, sociocultural and ethnic relations, and the impact of physical borders on human mobility and wellbeing. Given its scope, the book represents a unique resource that offers readers a wealth of new insights into today's Africa.

### **Measuring Empowerment** Basic Civitas Books

The two volumes of these Proceedings contain about 200 conference papers and 10 keynote papers presented at the First International Conference on Construction Materials and Structures, held in Johannesburg, South Africa from 24 to 26 November 2014. It includes sections on Materials and

characterization; Durability of construction materials; Structural implications, performance, service life; Sustainability, waste utilization, the environment; and Building science and construction.

**The Migration Experience in Africa** Academic Conferences and publishing limited

The rich empirical material presented in *Land Reform Revisited* engages with timely debates about land use, land reform, neoliberal state planning, power relations and questions of identity and belonging in post-apartheid South Africa.

*Land Reform Revisited* BRILL

In *The Politics of Vibration* Marcus Boon explores music as a material practice of vibration. Focusing on the work of three contemporary musicians—Hindustani classical vocalist Pandit Pran Nath, Swedish drone composer and philosopher Catherine Christer Hennix, and Houston-based hip-hop musician DJ Screw—Boon outlines how music constructs a vibrational space of individual and collective transformation. Contributing to a new interdisciplinary field of vibration studies, he understands vibration as a mathematical and a physical concept, as a religious or ontological force, and as a psychological determinant of subjectivity. Boon contends that music, as a shaping of vibration, needs to be recognized as a cosmopolitical practice—in the sense introduced by Isabelle Stengers—in which what music is within a society depends on what kinds of access to vibration are permitted, and to whom. This politics of vibration constitutes the hidden ontology of contemporary music because the organization of vibration shapes individual music scenes as well as the ethical choices that participants in these scenes make about how they want to live in the world.

**Vermicomposting for Sustainable Food Systems in Africa** Routledge

South Africa, by Christian M. Rogerson

**How to Complete an Application Form** She Writes Press

An essential, practical reference work for anyone doing business in South Africa, this comprehensive work highlights the vital role that accounting plays in our country's economy. This book will be of immense practical use to employees participating in in-house training programmes, managers and all business people needing a knowledge of accounting. *Accounting & its Business Environment* is recommended for use at all universities and

business schools.

*Biomedical and Environmental Sensing* diplom.de

In mid-1990s South Africa, apartheid ended, Nelson Mandela was elected president, and the country's urban black youth developed kwaito—a form of electronic music (redolent of North American house) that came to represent the post-struggle generation. In this book, Gavin Steingo examines kwaito as it has developed alongside the democratization of South Africa over the past two decades. Tracking the fall of South African hope into the disenchantment that often characterizes the outlook of its youth today—who face high unemployment, extreme inequality, and widespread crime—Steingo looks to kwaito as a powerful tool that paradoxically engages South Africa's crucial social and political problems by, in fact, seeming to ignore them. Politicians and cultural critics have long criticized kwaito for failing to provide any meaningful contribution to a society that desperately needs direction. As Steingo shows, however, these criticisms are built on problematic assumptions about the political function of music. Interacting with kwaito artists and fans, he shows that youth aren't escaping their social condition through kwaito but rather using it to expand their sensory realities and generate new possibilities. Resisting the truism that "music is always political," Steingo elucidates a music that thrives on its radically ambiguous relationship with politics, power, and the state.

**The Politics of Vibration** Nordic Africa Institute

*Urban Peacebuilding in Divided Societies* explores the effects of urban policy and planning in the management of ethnic conflict in strife-torn societies, focusing on the cases of Belfast and Johannesburg. It combines perspectives from urban geography, political science, social psychology, and urban planning to study the relationship between ethnic ideologies and the urban strategies that affect ethnic territoriality in the form of urban land use, housing, economic development, services, and citizen involvement. The book contrasts Belfast, embedded within an uncertain shift from conflict to political settlement, with Johannesburg, engaged in post-resolution reconciliation, to analyze, along different points of societal transition, the contributions of urban policymaking to peacemaking and peacebuilding. It describes the differing roles obstructive or facilitative that contested cities can play amidst broader peacemaking efforts, consistent with Bollens contention that

there are lessons in urban peacebuilding for constructing mutually tolerable living environments at the regional and national levels. Effectively, cities (and urban policies) are the locus for operationalizing national ideologies of ethnic coexistence. } *Urban Peacebuilding in Divided Societies* explores the effects of urban policy and planning in the management of ethnic conflict in strife-torn societies, focusing on the cases of Belfast and Johannesburg. It combines perspectives from urban geography, political science, social psychology, and urban planning to study the relationship between ethnic ideologies and the urban strategies that affect ethnic territoriality in the form of urban land use, housing, economic development, services, and citizen involvement. The book contrasts Belfast, embedded within an uncertain shift from conflict to political settlement, with Johannesburg, engaged in post-resolution reconciliation, to analyze, along different points of societal transition, the contributions of urban policymaking to peacemaking and peacebuilding. It describes the differing roles obstructive or facilitative that contested cities can play amidst broader peacemaking efforts, consistent with Bollens contention that there are lessons in urban peacebuilding for constructing mutually tolerable living environments at the regional and national levels. Effectively, cities (and urban policies) are the locus for operationalizing national ideologies of ethnic coexistence. }

**Women's Employment** University of Chicago Press

Cape Town, South Africa, 7 Sept. 2016 – 8 Sept. 2016. Theme: Sustainable economies in the information economy. Purpose: To share the quality academic papers presented at the International Conference on Business and Management Dynamics (ICBMD) held from 7 to 8 September 2016 at African Pride Crystal Hotel and Spa in Cape Town. As grey literature, the proceedings are the contributions made by researchers at the conference and are considered the written record of the work that was presented to fellow conference delegates. Methodology: The methodology used varies from researcher to researcher but are suitable for the studies conducted. Thus, on the one hand, studies that were subjective in nature used the interpretive paradigm, where the qualitative approach adopted made use of the interview method to collect data. On the other hand, studies that were objectively inclined adopted the positivist philosophy and used survey

questionnaires to collect data. However, there were some academic papers which used mixed methodology because of the nature of the study. Whatever methodology used adhered to the ethos of the philosophies underpinning the methodology.

**Contribution made to scholarship:** The articles come from individual researchers and each article in the proceedings is unique. Mostly, there is no general argument leading from one contribution to the next. However, it is interesting to note that in the area of economic performance it was evident that real exchange rate and net foreign direct investment contribute more towards innovations in economic growth. With regard to human capital development, papers presented evidence that there exists a definite need to explore the phenomenon of personal branding as limited scientific academic research has been done within the field of personal branding or on elements of the topic. Thus, the outcome argues that personal branding has an influence on leadership style which in turn impacts on organisational performance and related hygiene factors. Furthermore, it was demonstrated that current methods or strategies for enforcing institutionalisation of knowledge sharing within an organisation have not been successful, and, as such, new strategies are needed to reinforce efforts to nurture and invigorate the institutionalisation of knowledge sharing within an organisation. With regard to technology and big data impact on organisational performance, it was evident that system performance, memory consumption and CPU utilisation can be used as criteria to compare and evaluate big data technologies to improve organisational performance. Most of the articles' contribution reemphasised technology education and training as a means of digitising business and improving effectiveness. Target audience: The target readership is academic researchers and business leaders who require access to the latest developments in the fields of economics, information management, business, education, development studies, social sciences and technology. It is also for policymakers and other stakeholders who need a better understanding of the impact of new developments on existing policies and regulations for their review or amendment.

**One Planet, Many People** Duke University Press  
Large-scale poverty reduction depends on the effective empowerment of poor people themselves. This publication sets out a conceptual framework that can be used to monitor and

evaluate empowerment programmes, based on papers written by practitioners and researchers in a wide variety of fields, including economics and political science, sociology and psychology, anthropology and demography. These papers draw on research and practical experience at different levels, from households to communities to nations and in various regions of the world.

**Reclaiming Home** Springer Nature  
This book analyses the rapidly increasing role of African states, leaders and other political actors in international politics in the 21st Century. In contrast to the conventional approach of studying how external actors impacted on Africa's international relations, this book seeks to open up a new approach, focusing on the impact of African political actors on international politics. It does this by analysing African agency – the degree to which African political actors have room to manoeuvre within the international system and exert influence internationally, and the uses they make of that room for manoeuvre. Bringing together leading scholars from Africa and Europe to explore the role and conception of African Agency, this book addresses a wide range of issues, from relations with western and non-western donors, Africa's role in the UN and World Trade Organisation, negotiations over climate change, trade agreements with the European Union, regional diplomatic strategies, the character and extent of African state agency, and agency within corporate social responsibility initiatives. African Agency in International Politics will be of interest to scholars and students of Africa's international relations, African politics, development, geography, diplomacy, trade, the environment, political science and security studies.

**A critical engagement with theological education in Africa** AOSIS  
Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications comprises 411 papers that were presented at SEMC 2019, the Seventh International Conference on Structural Engineering, Mechanics and Computation, held in Cape Town, South Africa, from 2 to 4 September 2019. The subject matter reflects the broad scope of SEMC conferences, and covers a wide variety of engineering materials (both traditional and innovative) and many types of structures. The many topics featured in these Proceedings can be classified into six broad categories that deal with: (i) the mechanics of materials and fluids (elasticity, plasticity, flow

through porous media, fluid dynamics, fracture, fatigue, damage, delamination, corrosion, bond, creep, shrinkage, etc); (ii) the mechanics of structures and systems (structural dynamics, vibration, seismic response, soil-structure interaction, fluid-structure interaction, response to blast and impact, response to fire, structural stability, buckling, collapse behaviour); (iii) the numerical modelling and experimental testing of materials and structures (numerical methods, simulation techniques, multi-scale modelling, computational modelling, laboratory testing, field testing, experimental measurements); (iv) innovations and special structures (nanostructures, adaptive structures, smart structures, composite structures, bio-inspired structures, shell structures, membranes, space structures, lightweight structures, long-span structures, tall buildings, wind turbines, etc); (v) design in traditional engineering materials (steel, concrete, steel-concrete composite, aluminium, masonry, timber, glass); (vi) the process of structural engineering (conceptualisation, planning, analysis, design, optimization, construction, assembly, manufacture, testing, maintenance, monitoring, assessment, repair, strengthening, retrofitting, decommissioning). The SEMC 2019 Proceedings will be of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find them useful. Two versions of the papers are available. Short versions, intended to be concise but self-contained summaries of the full papers, are in this printed book. The full versions of the papers are in the e-book.

**Finweek** Routledge  
This edited book collates the research done mainly in Africa on vermicomposting and related technologies that can assist African smallholder farmers in making nutrient rich organic fertilizers from their animal and crop residue wastes. Information on the development of organic sources of liquid fertilizer development for hydroponics is also presented. The book presents research findings on vermicomposting in a simplified way that will allow farmers and extension workers to adopt the indicated technologies. The book also covers critical aspects of standardization of vermicompost preparation, earthworm biology, nutrient enrichment of composts and organic liquid fertilizer production. Vermicomposting is a technology that employs earthworms to enhance the biodegradation and fertilizer value of

organic wastes. The earthworms optimize the biodegradation ecosystem during composting, resulting in a final nutrient rich product with more recalcitrant forms of carbon and much lower levels of veterinary antibiotics and their metabolites.

Vermicompost as an organic fertilizer is highly preferred over other forms of soil enhancers. A lot of research has been done on vermicompost and related activities in Africa but remain scattered across various publications. The book is an invaluable source of information for farmers especially those practicing organic crop production, vermicomposting researchers, as well as extension workers.

*Enterprise* Indiana University Press

*Reclaiming Home* is the diary of Lesego Malepe's travels in South Africa in 2004, the 10th anniversary of South Africa's democracy. The book begins with Malepe taking the bus from Pretoria, where she grew up, to Cape Town, where she visits Robben Island—the prison where her brother served a life sentence during apartheid days. She interrupts her travels to return to Pretoria, where she attends the ceremony marking the official settlement of land claims for her parents' property and her grandmother's property in Kilnerton, Pretoria, which were confiscated by the apartheid government when Malepe was four, forcing her family—along with the rest of their community—to move to Mamelodi township for Africans. Over the course of her travels, Malepe traverses much of her home country, visiting locales including Pietermaritzburg, Durban, Port Elizabeth, Thohoyandou, the University of Venda, and Giyani. Ultimately, hers is a sprawling, revealing journey that illuminates the ways South Africa has changed—and the ways it has remained the same—since the end of apartheid.

18th European Conference on Management, Leadership and Governance Indiana University Press

A powerful critique of urban development in greater Johannesburg since the end of apartheid in 1994.

**Accounting and Its Business Environment** Routledge

These proceedings represent the work of contributors to the 19th European Conference on Management Leadership and

Governance (ECMLG 2023) hosted by ACI and Bayes Business School, City, University of London, UK on 23 - 24 November 2023. The Conference Chair is Dr Martin Rich from Bayes Business School, City, University of London, UK. ECMLG is now a well-established event on the academic research calendar and now in its 19th year. The key aim remains the opportunity for participants to share ideas and meet the people who hold them. The scope of papers will ensure an interesting two days. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research. The opening keynote presentation is given by Dr Jeffrey Ridley, PhD, FCG, FIIA, CIA, on the topic of A lifetime of Management and Governance Learning: A wish for you all. The second day of the conference Keynote presentation is given by Professor Pumela Msweli, University of South Africa, on the topic of The Leadership Dance on a geopolitically entangled dance floor: Towards Unitive Consciousness. With an initial submission of 164 abstracts, after the double blind, peer review process there are 54 Academic Research papers, 11 PhD Research papers, 2 Masters Research papers and 2 work-in-progress papers published in these Conference Proceedings. These papers represent research from China, Czech Republic, Czechia, Egypt, Finland, France, Germany, Ghana, Greece, Hungary, India, Italy, Kenya, Macau, Mexico, Morocco, Netherlands, Norway, Pakistan, Peru, Poland, Portugal, Romania, Saudi Arabia, Scotland, Slovakia, South Africa, Spain, Switzerland, The Netherlands, United Arab Emirates, the UK and the USA.

**Siviele Ingenieur in Suid-Afrika** World Bank Publications

The higher education landscape has arguably become one of the most arduous to traverse. More so in the African context, where a host of variables continuously challenge educators to reflect critically on their philosophies and practices as they engage an ever-changing audience. In this book, a critical engagement with theological education in Africa is offered. As the book originates from South Africa, it is presented as a South African perspective,

although contributors are situated across the African continent and abroad. The common denominator is that all contributors are, in some way or another, invested in theological education in Africa. The main contribution of this collaborative work is to be sought in the insights it offers on four main areas of theological education: A historical and current orientation on theological education in Africa, some paradigm shifts in theological education in Africa, ministerial formation needs versus theological education challenges, and a critical reflection on elective models and methods. The book presents the original and innovative research of scholars for fellow scholars involved in theological higher education as it is grounded in the respective fields of interest of each contributor. It contributes to a better understanding of the complex African theological higher education landscape that is also mindful of post-COVID-19 realities. Methodologically the work draws on a combination of methods, including literature studies, empirical work, and in some cases sectional offerings from doctoral studies, as indicated in the various chapters.

*SAMT* Edward Elgar Publishing

What happens to women whose lives are affected by human rights violations? What happens to their testimony in court or in front of a truth commission? Women face a double marginalization under authoritarian regimes and during and after violent conflicts. Yet reparations programs are rarely designed to address the needs of women victims. *What Happened to the Women? Gender and Reparations for Human Rights Violations* emphasizes the necessity of a gender dimension in reparations programs to improve their handling of female victims and their families. A joint project of the International Center for Transitional Justice and Canada's International Development Research Centre, *What Happened to the Women?* includes studies of gender and reparations policies in Guatemala, Peru, Rwanda, Sierra Leone, South Africa, and Timor-Leste. Contributors represent a wide range of fields related to transitional justice and include international human rights lawyers, members of truth and reconciliation commissions, and NGO representatives.