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The Application of Paolo Freire's Pedagogy in Renegotiating HIV Stigmatised Identities

The 1st International Conference on Maritime Education and Development

The Application of Ethical Leadership Styles on Employee Engagement at Durban University of Technology (DUT) Frontiers of Business, Management and Economics

Higher Education and the COVID-19 Pandemic

Covid-19: Interdisciplinary Explorations of Impacts on Higher Education

A Retrospective Cross-sectional Survey of Cervical Cases Recorded at the Durban University of Technology (DUT) Chiropractic Treatment Facilities at the 2013 World Transplant Games

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The Primary Headaches in Allied Health Students at the Durban University of Technology (DUT) Opportunities and Pitfalls of Corporate Social Responsibility

An Investigation into the Complexities of Simultaneously Being an Accounting Academic and a Researcher Transforming Higher Education Institutions in Post-Apartheid South Africa

Global Satellite Meteorological Observation (GSM O) Theory A Situation Analysis and Knowledge, Attitude and Practices (KAP) Study of Wastewater Management and Recycling at the Durban University of Technology (DUT)

Infrastructure for Peace in Sub-Saharan Africa: Decolonising Higher Education in the Era of Globalisation and Internationalisation

The Road to Information Literacy: Structuring Mass Higher Education DIAP nel mondo | DIAP in the world – International Vision | Visioni internazionali

Global Mobile Satellite Communications Theory

Durban, a Cogent African City

Re-imagining Curriculum Worldwide Commonalities and Challenges in Information Literacy Research and Practice

Acting on HIV

The Role of Internal Communication in the Transition Process at the Durban University of Technology (DUT) This is an essential book for everyone who wants to write clearly about any subject and use writing as a means of learning.

Accessing Post-School Studies This book is aimed to provide some insights into recently developed bio-inspired algorithms within recent emerging trends of fog computing, sentiment analysis, and data streaming as well as to provide a more comprehensive approach to the big data management from pre-processing to analytics to visualization phases. The subject area of this book is within the realm of computer science, notably algorithms (meta-heuristic and, more particularly, bio-inspired algorithms).
Although application domains of these new algorithms may be mentioned, the scope of this book is not on the application of algorithms to specific or general domains but to provide an update on recent research trends for bio-inspired algorithms within a specific application domain or emerging area. These areas include data streaming, fog computing, and phases of big data management. One of the reasons for writing this book is that the bio-inspired approach does not receive much attention but shows considerable promise and diversity in terms of approach of many issues in big data and streaming. Some novel approaches of this book are the use of these algorithms to all phases of data management (not just a particular phase such as data mining or business intelligence as many books focus on); effective demonstration of the effectiveness of a selected algorithm within a chapter against comparative algorithms using the experimental method. Another novel approach is a brief overview and evaluation of traditional algorithms, both sequential and parallel, for use in data mining, in order to provide an overview of existing algorithms in use. This overview complements a further chapter on bio-inspired algorithms for data mining to enable readers to make a more suitable choice of algorithm for data mining within a particular context. In all chapters, references for further reading are provided, and in selected chapters, the author also include ideas for future research.

A Retrospective Survey of the Career Paths and Demographics of Durban University of Technology (DUT) Chiropractic Graduates

This book presents the principal structure of space systems, functionality, media and applications for modern remote sensing, transmission systems, meteorological antennas, propagation meteorological observation and transferring weather data from satellite to the ground infrastructures and users. The book starts with a short background to the development of Radio and Space systems including overview, concepts and applications of satellite communications in function of transfer meteorological observation data and images. It goes on to discuss the fundamental principles of the space platforms and orbital parameters, laws of satellite motions, new types of launching systems, satellite orbits and geometric relations, spacecraft configuration, payload structure, type of onboard antenna systems, satellite orbits and components of satellite bus. The author also provides comprehensive coverage of baseband and transmission systems, fundamentals of atmospheric electromagnetic radiation, satellite meteorological parameters and instruments, and research and applications in antenna systems and propagation. This is a companion book of Global Satellite Meteorological Observation Applications (Springer).

Writing to Learn Cultures of violence are characteristic of many countries in sub-Saharan Africa and attempts to move towards cultures of peace have often proved difficult and ineffectual. And yet, the wide variations in levels of violence within and between countries show that it is not inevitable; rather, it is the result of choices made at individual, community and societal levels. This book examines the potential of peace infrastructures as vehicles to strengthen and spread progress towards cultures of peace. Peace infrastructures vary hugely in sophistication and level. The examples examined in this book range from tiny structures which help resolve conflicts between individuals and within community organisations, peace committees which serve local communities, peace education and peace club programmes in schools, mediation mechanisms to prevent election violence and to ministries of peace to coordinate government and non-government efforts in peacemaking and peacebuilding. The overall finding is that the development of peace infrastructures at all levels has great potential to build cultures of peace. 1. It is the only book available which documents the experience and potential of nonviolence in post-independence sub-Saharan Africa. 2. It makes a persuasive case for the development of various peace infrastructures in order to make peace sustainable. 3. It explains how strategic planning can be utilised, both to bring about change and to institutionalise it.
A Contextual and Transdisciplinary Analysis of Pedagogic, Operational and Administrative Frameworks of a Writing Centre

Global Aeronautical Distress and Safety Systems (GADSS) Conceived within a context of transdisciplinarity and pluriversalism, and in rigorous response to the Eurocentric, globalising and nationalising structures of power that undergird and inhabit contemporary praxis in higher education – especially in African higher education – this collection of essays brings to the ongoing discourse on decolonisation fresh, rich, probing and multilayered perspectives that should accelerate the process of decolonisation, not only in higher education in Africa, but also in the global imaginary. A remarkable, courageous and potentially revolutionary achievement, this book deserves a special place on curricula throughout the world of higher education.

Bio-inspired Algorithms for Data Streaming and Visualization, Big Data Management, and Fog Computing The city of Durban is one of the most intriguing for architects and urban designers, due to its cultural and economic diversity on one the hand and its political evolution since its colonial formalisation, apartheid influences and its post-apartheid evolution, on the other. It is a city that expresses complex narratives in architectural form and expression, seemingly chaotic, yet within and upon a cogent overall structure. Perhaps, it is that very cogency in urban structure which facilitated its complex evolution, or perhaps not. This paradox forms the crux of the studies and applied research part of this book, and which defined the sites of focus for a collaborative studio workshop. Durban is a modern city which expresses the complex dynamics of an African city emerging from a historically colonial foundation. This provided an interesting context for engagement of the UNESCO Chair for Sustainable Urban Quality and Culture, notably in Africa. The institutional agreement between the UNESCO Chair, Sapienza University of Rome and the Durban University of Technology (DUT) was formalised in the year 2013, prior to an international workshop in China and the UIA 2014 in Durban, South Africa. The focus of the Chair and the curriculum outcomes of DUT, with regard to urban culture and the evolution thereof, created a mutually opportune association, with the possibility for contribution to the UIA 2014 conference in Durban. After deliberations and the necessary paperwork, the UNESCO Chair, in Association with DUT, were granted official space on the UIA Programme for presentation at the conference. This was received with much enthusiasm, which drew further interest and participation from students and Professors of Sapienza University of Rome and Tsinghua University of Beijing in China. Further representation of academics from Manipal University in India, School of Architecture University of Florida and Hosei University in Japan added much value to the collaboration in Durban.

The Perceptions and Awareness of Homoeopathy and the Homoeopathic Day Clinic (H.D.C) Amongst Students at the Durban University of Technology (D.U.T.) This book presents the proceedings of the 1st International Conference on Maritime Education and Development. The conference exchanges knowledge, experiences and ideas in the domain of maritime education and development, with the ultimate goal of generating new knowledge and implementing smart strategies and actions. Topics include the 4th Industrial Revolution (4IR); unmanned air/sea surface/underwater vehicles (UxV); the digital divide and Internet accessibility; digital infrastructure; IMO E-navigation strategy; smart-ship concept; automation and digitalization; cyber security; and maritime future. This proceedings pertains to researchers, academics, students, and professionals in the realm of maritime education and development.

Extended Curriculum Programmes
History of Mathematics in Africa: 2000-2011

Premised on the disruption and lessons learnt from the Covid-19 pandemic, and in meticulous response to the impact of the pandemic on higher education – especially in South Africa – this collection of chapters spotlights the effects, consequences, and ramifications of an unprecedented pandemic in the areas of knowledge production, knowledge transfer and innovation. With the pandemic, the traditional way of teaching and learning was completely upended. It is within this context that this book presents interdisciplinary perspectives that focus on what the impact of Covid-19 implies for higher education institutions. Contributors have critically reflected from within their specific academic disciplines in their attempt to proffer solutions to the disruptions brought to the South African higher education space. Academics and education leaders have particularly responded to the objective of this book by focusing on how the academia could tackle the Covid-19 motivated disruption and resuscitate teaching, research, and innovation activities in South African higher education, and the whole of Africa by extension.

The Application of Paolo Freire's Pedagogy in Renegotiating HIV Stigmatised Identities

The 1st International Conference on Maritime Education and Development

The Application of Ethical Leadership Styles on Employee Engagement at Durban University of Technology (DUT)

The book argues that academics, academic developers and academic leaders need to undertake curriculum work in their institutions that has the potential to disrupt common sense notions about curriculum and create spaces for engagement with scholarly concepts and theories, to re?imagine curricula for the changing times. Now, more than ever in the history of higher education, curriculum practices and processes need to be shared; the findings of research undertaken on curriculum need to be disseminated to inform curriculum work. We hope the book will enable readers to look beyond their contextual difficulties and constraints, to find spaces where they can dream, and begin to implement, innovative and creative solutions to what may seem like intractable challenges or difficulties.

Frontiers of Business, Management and Economics

Higher Education and the COVID-19 Pandemic

This book discusses current theory regarding global mobile satellite communications (GMSC) for maritime, land (road and rail), and aeronautical applications. It covers how these can enable connections between moving objects such as ships, road and rail vehicles and aircrafts on one hand, and on the other ground telecommunications subscribers through the medium of communications satellites, ground earth stations, Terrestrial Telecommunication Networks (TTN), Internet Service Providers (ISP) and other wireless and landline telecommunications providers. This new edition covers new developments and initiatives that have resulted in land and aeronautical applications and the introduction of new satellite constellations in non-geostationary orbits and projects of new hybrid satellite constellations. The book presents current GMSC trends, mobile system concepts and network architecture using a simple mode of style with understandable technical information, characterististics, graphics, illustrations and mathematics equations. The first edition of Global Mobile Satellite Communications (Springer, 2005) was split into two books for the second edition—one on applications and one on theory. This book presents global mobile satellite communications theory.

Covid-19: Interdisciplinary Explorations of Impacts on Higher Education

An Injury Surveillance of Patients Utilising the Durban University of Technology (DUT) Chiropractic Treatment Facilities at the 2013 World Transplant Games

This book addresses key aspects of corporate social responsibility (CSR) and explores them from a variety of perspectives in a case study on the Marange diamond mines in Zimbabwe. The business case of the Marange mines is presented to demonstrate the challenge of practicing social responsibility while considering and balancing the needs of a developing nation, environmental protection, community involvement and international business. Lessons learned from the case study will help business leaders and strategists in developing countries and multinational corporations to better understand and employ CSR principles so as to enhance sustainability and social impact. Further, the book provides a unique combination of academic, industrial and local approaches.

Global Mobile Satellite Communications Applications

Undoubtedly the most important development in higher education in recent years has been the seemingly inexorable expansion of national systems. In a comparatively short time period many countries have moved from an elite to a mass model. Furthermore, expansion has invariably changed the whole experience of higher education for all the interested parties from, presidents, rectors and vice-chancellors to first-term undergraduates. Structuring Mass Higher Education examines the impact of this change upon the existing national structures of higher education. It also defines and highlights what makes an ‘elite’ university – something which institutions must strive for in order to gain their position as global players. With case studies and contributions from a wide range of international authors, the book explores questions such as: Do higher education institutions retain a national significance, even though the vestiges of an international reputation have long faded? Has expansion undermined the quality of higher education because governments sought to expand “on the cheap”? Is the elite institutional response to mass higher education perceived as a threat to be responded to with purposeful action that sustains their elite status? Does the emergence of the international league tables pose a challenge to those responsible for governing elite institutions? These are critical issues with which both policy-makers and institutional leaders will have to grapple over the next ten years, making Structuring Mass Higher Education a timely, relevant, and much needed text. It will appeal to policy makers and practitioners within higher education as well as student and scholars worldwide.

Council Communiqué

International openness is one of the fundamental characteristics of the DiAP Department of Architecture and Design, which sees its members active in 57 bilateral collaboration agreements (without counting the Erasmus agreements) with countries in which today there is a demand for architectural design that looks at Italy as a model, not only for studies of historical architecture, but also for contemporary architecture designed in the existing city and for the new building, including complex landscape and environmental systems.

Food Science and Technology

This publication makes a valuable contribution to often problematic and pertinent South African higher education issues such as student access and success, student learning, student support and student engagement. In this regard, the authors draw on the works of higher education theorists such as Kuh, Tinto, Marton and Saeljoe. The book is primarily a helpful resource for South African learners in school, students at universities, life orientation teachers, as well as parents of prospective university students. It will especially assist students to adapt to the university environment.
Workplace Discrimination Against Durban University of Technology (DUT) Trainees Within the Hotel and Catering Industry

Food Science and Technology: Trends and Future Prospects presents different aspects of food science i.e., food microbiology, food chemistry, nutrition, process engineering that should be applied for selection, preservation, processing, packaging, and distribution of quality food. The authors focus on the fundamental aspects of food and also highlight emerging technology and innovations that are changing the food industry. The chapters are written by leading researchers, lecturers, and experts in food chemistry, food microbiology, biotechnology, nutrition, and management. This book is valuable for researchers and students in food science and technology and it is also useful for food industry professionals, food entrepreneurs, and farmers.

Managing Cultural Diversity Within Selected Educational Institutions in the KwaZulu-Natal Region, with Particular Reference to Durban University of Technology (DUT) Acting on HIV offers a sustained and relatively systematic inquiry into drama as an approach to discussion of HIV/AIDS and related attitudes and behaviors. A distinctive feature of the research that is presented in Acting on HIV is the emphasis on the potential for and value of using drama to promote vital social change in addition to individual behaviour change. It has a strong theoretical foundation and seeks to interrogate the ethical, theoretical and practical complexities of using drama to address issues HIV & AIDS. The research that is communicated through the book is original and timely and will make a significant, trans-disciplinary contribution to scholarly conversations about the role/s and significance of drama in addressing issues of HIV & AIDS. Acting on HIV will have appeal to scholars working within drama and performance studies and those involved in interdisciplinary work or working in the fields of social work, education, sociology, psychology, cultural and media studies, gender studies, criminology, and critical human and social sciences generally including studies of HIV, sexuality and public health among others. Furthermore, the book targets community practitioners, teachers and researchers interested in drama for social change; arts based research methods and drama in education.

Tanagras at 1, Holland Park This book constitutes the refereed proceedings of the European Conference on Information Literacy, ECIL 2013, held in Istanbul Turkey, in October 2013. The 73 revised full papers presented together with two keynotes, 9 invited papers and four doctoral papers were carefully reviewed and selected from 236 submissions. The papers are organized in topical sections on overview and research; policies and strategies; theoretical framework; related concepts; citizenship and digital divide; disadvantaged groups; information literacy for the workplace and daily life; information literacy in Europe; different approaches to information literacy; teaching and learning information literacy; information literacy instruction; assessment of information literacy; information literacy and K-12; information literacy and higher education; information literacy skills of LIS students; librarians, libraries and ethics.

The Primary Headaches in Allied Health Students at the Durban University of Technology (DUT) Information literacy has been identified as a necessary skill for life, work and citizenship - as well as for academic study - for all of us living in today's information society. This international collection brings together practitioner and research papers from all sectors of information work. It includes case studies and good practice guides, including how librarians and information workers can facilitate information literacy from pre-school children to established researchers, digital literacy and information literacy for citizens.

Opportunities and Pitfalls of Corporate Social Responsibility Higher Education and the COVID-19 Pandemic explores how higher
education institutions and systems around the world responded to the COVID-19 pandemic, managed transition to online learning, and adjusted to the new post-COVID reality.

An Investigation Into the Complexities of Simultaneously Being an Accounting Academic and a Researcher The introduction of ECPs in South African Universities is seen by many as South Africa’s key strategy for addressing the problem of poor patterns of student success and has its basis on the uncontested acceptance that an extended study duration may be necessary to bring some categories of learners to a level of parity with the readiness expectations of their course of study. Even so, this transformative strategic imperative has been plagued by a range of challenges that include poor systems readiness; poor selection mechanisms in the identification of ECP students; poor numeracy and literacy amongst students, and indifferent teacher involvement in ECPs. This volume offers a rare insight into many of the above-recognised challenges and in so doing provides critical matter for thought for educators within the higher education sector.

Transformation of Higher Education Institutions in Post-Apartheid South Africa

Global Satellite Meteorological Observation (GSMO) Theory This book discusses global mobile satellite communications (GMSC) for maritime, land (road and rail), and aeronautical applications. It covers how these enable connections between moving objects such as ships, road and rail vehicles and aircrafts on one hand, and ground telecommunications subscribers through the medium of communications satellites, ground earth stations, Terrestrial Telecommunication Networks (TTN), Internet Service Providers (ISP) and other wireless and landline telecommunications providers. The new edition covers new developments and initiatives that have resulted in land and aeronautical applications and the introduction of new satellite constellations in non-geostationary orbits and projects of new hybrid satellite constellations. The book presents current GMSC trends, mobile system concepts and network architecture using a simple mode of style with understandable technical information, characteristics, graphics, illustrations and mathematics equations. It represents telecommunications technique and technology, which can be useful for all technical staff on vessels at sea and rivers, on all types of land vehicles, on planes, on off shore constructions and for everyone possessing satellite communications handset phones. The first edition of Global Mobile Satellite Communications (Springer, 2005) was split into two books for the second edition – one on applications and one on theory. This book presents global mobile satellite communications applications.

A Situation Analysis and Knowledge, Attitude and Practices (KAP) Study of Waste Management and Recycling at the Durban University of Technology (DUT) This book presents the principal structure, networks and applications of the Global Aeronautical Distress and Safety System (GADSS) for enhanced airborne Communication, Navigation and Surveillance (CNS). It shows how their implementation works to ensure better security in flight and on the airports surface; improved aircraft tracking and determination in real space and time; and enhanced distress alerting, safety; and Search and Rescue (SAR) system for missing, hijacked and landed aircraft at sea or on the ground. Main topics of this book are as follows: an overview of radio and satellite systems with retrospective to aeronautical safety; security and distress systems; space segment with all aspects regarding satellite orbits and infrastructures; transmission segment of radio and satellite systems; ground segment of radio and earth ground stations; airborne radio and satellite antenna systems and propagation; aeronautical VHF and HF Radio CNS systems and networks; Inmarsat, Iridium and Cospas-Sarsat aeronautical satellite CNS systems and networks; Aeronautical Global Satellite Augmentation System (GSAS) and networks; Digital Video Broadcasting - Return Channel via Satellite (DVB-RCS) standards and Aeronautical Stratospheric Platform Systems (SPS) and networks.
Infrastructures for Peace in Sub-Saharan Africa. This book outlines successful transformation strategies and efforts that have been developed to assist the South African higher education system in moving beyond its post-apartheid state of being. Through case studies authored by South African higher education scholars and scholars affiliated with South African institutions, this book aims to highlight the status of transformation in the South African higher education system; demonstrate the variety of transformation initiatives used in academic institutions across South Africa; and offer recommendations to further advance this transformation. Written for scholars and advanced students of higher education in international settings, this volume aims to support quality research that benefits the demographic composition of South African academics and students, and offers lessons that can inform higher education transformation in similarly multicultural societies.

Decolonising Higher Education in the Era of Globalisation and Internationalisation

The Road to Information Literacy

Structuring Mass Higher Education

DiAP nel mondo | DiAP in the world - International Vision | Visioni internazionali. This edited book is a compilation of research studies conducted in the areas of business, management and economics. These cutting-edge articles will be of interest to researchers, academics, and business managers.

Global Mobile Satellite Communications Theory

Durban, a Cogent African City

Re-imagining Curriculum

Worldwide Commonalities and Challenges in Information Literacy Research and Practice