

2018 Tshwane University Of Technology Tut Application Form

Breaking a Rainbow, Building a Nation
 The Role of Ecosystem Services in Sustainable Food Systems
 The Urban Ecologies of Divided Cities
 Socio-Economic Perspectives on Vocational Skill Development: Emerging Research and Opportunities
 Leap 4.0. African Perspectives on the Fourth Industrial Revolution
 Participation of Young People in Governance Processes in Africa
 Africa's Fourth Industrial Revolution
 Managing Change in the Student Affairs Division at the Tshwane University of Technology
 Language and the Law
 Master's Student Throughput at the Tshwane University of Technology
 Proceedings of The Focus Conference (TFC 2022)
 Examining Information Literacy in Academic Libraries
 Governance as a Catalyst for Public Sector Sustainability
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 Student Movements in Late Neoliberalism
 Locally Relevant ICT Research
 The Contested Idea of South Africa
 Water Safety, Security and Sustainability
 The Risk Register - an Integrated Strategy, Risk and Performance Management
 Additive Manufacturing of Metals
 The Wayfarer
 TUT Transformation Framework 2017
 Research Anthology on Collaboration, Digital Services, and Resource Management for the Sustainability of Libraries
 Application of Nanotechnology in Mining Processes
 Deanship in the Global South
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 New Models for Technical and Vocational Education and Training
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 Research and development
 New Updates in E-Learning
 Innovation at the Tshwane University of Technology
 Recent Development in Energy Conversion Systems

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CONRAD BRAY

Breaking a Rainbow, Building a Nation BoD – Books on Demand

Language and the Law: Global Perspectives in Forensic Linguistics from Africa and beyond is the third volume in a series of books designed to contribute and respond to growing interest in forensic linguistics or language and the law on the African continent. Drawing mostly on contexts where traditional African laws and Western laws are practised side-by-side, and where there are discontinuities between local knowledge systems, belief systems and language practices on the one hand, and official languages of law discourse, conceptualisation and jurisprudence documentation on the other, the chapters in this volume problematise, among other issues, the mediation practices (or lack thereof) of language and legal processes, discourse strategies and complexities in (mis)interpretations in second language court contexts and the miscarriage of

justice that these may entail.

The Role of Ecosystem Services in Sustainable Food Systems Elsevier

This book is an exciting collection of research articles that offer a unique view into the fast developing field of metal additive manufacturing, providing insights into this advanced manufacturing technology. The articles span recent advances in metal AM technologies, and their application to a wide range of metals, exploring how the processing parameters offer unique material properties. This book encapsulates the state of the art in this rapidly evolving field of technology and will be a valuable resource for researchers in the field, from Ph.D. students to professors, and through to industrial end users.

The Urban Ecologies of Divided Cities MDPI

This book presents state-of-the-art educational technologies and teaching methodologies and discusses future educational philosophies in support of the global academic society. New Updates in E-Learning is a collection of chapters addressing important issues related to effective utilization of the Internet and Cloud Computing, virtual robotics, and real-life application of hybrid educational

environments to enhance student learning regardless of geographical location or other constraints. Over ten chapters, the book discusses the current and future evolution of educational technologies and methodologies and the best academic practices in support of providing high-quality education at all academic levels.

Socio-Economic Perspectives on Vocational Skill Development: Emerging Research and Opportunities Springer Nature

Vocational skill development (VSD) has the capacity to contribute to poverty reduction because it serves as the key to job creation and inclusive growth. As developed nations have been faced with high youth and graduate unemployment rates, basic education and vocational skill development have become a priority of development cooperation activities. However, there is a realization that measures to improve skill training can only be successful if they are in harmony with employment and economic policies. Socio-Economic Perspectives on Vocational Skill Development: Emerging Research and Opportunities is a collection of innovative research on the methods and applications of equipping individuals with relevant work skills and implementing effective skills systems that

can lead to economic growth and high levels of productivity. While highlighting topics including human capital, professional development, and skill gaps, this book is ideally designed for managers, business professionals, policymakers, academicians, researchers, and management students seeking the current understanding of the strategic role of skill development at different levels of the socio-economic system.

Leap 4.0. African Perspectives on the Fourth Industrial Revolution HippoBooks

Scripture testifies to God's care for displaced peoples. From Genesis to Revelation, the Bible is a narrative filled with migrants, with refugees, and with wayfarers. Even God himself is shown to be "on the move" – a God who does not stay on one side of the border but crosses over to save his people. In *The Wayfarer*, Dr. Barnabé Anzuruni Msabah engages the global refugee crisis from an interdisciplinary perspective that encompasses both development studies and theological reflection. Using specific examples from Central, Eastern, and Southern Africa, Msabah provides an overview of the sociopolitical, economic, and environmental dynamics of forced migration, while simultaneously exploring theological and cultural frameworks for understanding transformational community development. He examines both the church's calling to provide sanctuary for displaced peoples and the role of refugees in contributing to the socioeconomic welfare of their host countries. While the church's mandate is to act with justice and mercy towards the world's most vulnerable populations, Msabah also reminds us that refugees are not passive recipients but powerful examples of courage, resilience, and hope who can, in their turn, transform our nations and our faith communities for the better.

Participation of Young People in Governance Processes in Africa Academic Press

The Role of Ecosystem Services in Sustainable Food Systems reveals, in simple terms, the operational definition, concepts and applications of ecosystem services with a focus on sustainable food systems. The book presents case studies on both geographical and production system-wide considerations. Initial chapters discuss concepts, methodologies and the tools needed to understand ecosystem services in the broader food system. Middle and later chapters present different perspectives from case studies of ecosystem services derived from some of the key sustainable food production systems used by farmers, along with discussions on the challenges of deriving full benefits and how they can be overcome. Researchers, students, scientists, development practitioners and policymakers will welcome this reference as they continue their work related to sustainable food systems. Introduces the concept of ecosystem services in simple terms for a wide readership Provides an explanation of sustainable food systems Contains the tools to identify and quantify ecosystem services in sustainable food systems Identifies ecosystem services in specific systems utilized for sustainable food systems Categorizes the challenges of deriving maximum benefits of ecosystem services

Africa's Fourth Industrial Revolution African Books Collective

This multidisciplinary, edited volume examines higher education's ICT integration in Africa, contributing a new and inclusive change readiness framework to better understand how to manage ICT or other technological disruptions in resource-restrained contexts. Tackling ICT incorporation in HEIs from different levels, chapters document case studies from countries such as Uganda, South Africa, Rwanda, Eswatini and Zimbabwe to demonstrate both the complexity of integration but also the successes it has enabled and under which conditions. The cases included in this book also exhibit better incorporation of both change content and process, while some cases also make explicit reference to other technology adoption models. Ultimately, the book highlights conceptual and empirical research to inform practices and policy development in Africa, improving multi-level success or change readiness in ICT incorporation in HEIs in Africa. Addressing various gaps in existing literature and proposing innovative solutions like the multilevel change readiness model, this book will therefore be of interest to scholars, researchers and academics in the fields of higher education, ICT integration, and educational technology more broadly.

Managing Change in the Student Affairs Division at the Tshwane University of Technology BRILL

This book narrates an assessment of numerous advanced power converters employed on primitive phase to enhance the efficiency of power translation pertaining to renewable energy systems. It presents the mathematical modelling, analysis, and control of recent power converters topologies, namely, AC/DC, DC/DC, and DC/AC converters. Numerous advanced DC-DC Converters, namely, multi-input DC-DC Converter, Cuk, SEPIC, Zeta and so forth have been assessed mathematically using state space analysis applied with an aim to enhance power efficiency of renewable energy systems. The book: Explains various power electronics converters for different types of renewable energy sources Provides a review of the major power conversion topologies in one book Focuses

on experimental analysis rather than simulation work Recommends usage of MATLAB, PSCAD, and PSIM simulation software for detailed analysis Includes DC-DC converters with reasonable peculiar power rating This book is aimed at researchers, graduate students in electric power engineering, power and industrial electronics, and renewable energy.

Language and the Law IGI Global

The advent of the Internet for global advancement and development has opened the world to new crimes. This is the first comprehensive book on the subject matter, considering the absence of textbooks in teaching the subject matter in higher learning institutions. Hitherto, the book is distinctive and timely in the wake of the inclusion of the subject matter as a new curriculum in many African universities. The book focuses on South Africa, where the Internet has been misused by individuals to perpetuated crime which has been on the increase and unabated. The book's contents and its discourse are significant to students in higher institutions, researchers, and organizations, to give in-depth insights into varied cybercrime on various forms and the manners in which cybercrimes have been executed. Lastly, the book contains instances where the Internet has been used to perpetuate crimes in recent times in South Africa.

Master's Student Throughput at the Tshwane University of Technology Springer Nature

Breaking a Rainbow, Building a Nation is a first-hand account of the university protests that gripped South Africa between 2015 and 2017, widely better known as the #FeesMustFall. Chikane outlines the nature of student politics in the country before, during and after the emergence of #MustFall politics, exploring the political dynamics that informed and drove the student protests, and the effect that these #MustFall movements have had on the nature of youth politics in the country. Chikane looks at how the current nature of youth politics is different from previous youth upheavals that have defined South Africa, specifically due to the fact that the protests were being led by so-called coconuts, who are part of the black elite. *Breaking a Rainbow, Building a Nation* poses the provocative question, can coconuts be trusted with the revolution?

Proceedings of The Focus Conference (TFC 2022) John Wiley & Sons

This book constitutes the refereed proceedings of the 10th International Development Informatics Association Conference, IDIA 2018, held in Tshwane, South Africa, in August 2018. The 20 revised full papers presented were carefully reviewed and selected from 61 submissions. The papers are organized in topical sections on ICT adoption and impact; mobile education; e-education; community development; design; innovation and maturity; data.

Examining Information Literacy in Academic Libraries IGI Global

This book inquires into the global wave of student mobilizations that have arisen in the aftermath of the economic crisis of 2008, accounting for their historical and sociological significance. More specifically, its eleven chapters explore the role of students as political actors: their ability to build effective organizations, to make political alliances with other actors, and to win public consensus, as well as their impact on cultural, political, and policy outcomes. To do so, the volume examines case studies in England, Chile, South Africa, Quebec, and Hong Kong, covering Europe, Africa, Asia, and North and Latin America. Grouped into two major sections, the collection covers the organizational structures of student movements and their alliances and outcomes. Ultimately, this volume examines the understudied political aspects of student unrest, exploring how student mobilizations—driven by indebtedness, precariousness, the corporatization of the university, and other issues—correspond to larger processes of change with wider implications in society.

Governance as a Catalyst for Public Sector Sustainability IGI Global

Faced with increased budget cuts, libraries must continue to advance their services through new technologies and practices in order to keep pace with the rapid changes society is currently facing. The once traditional in-person services offered can no longer be the only option, and to keep themselves afloat, libraries must offer more in terms of digital services. The convenience of offering mobile and digital services brings a new wave of accessibility to libraries and a new question on just how much libraries will need to change to meet the newfound needs of its patrons. Beyond offering these digital services, libraries are incorporating other types of technology in multifaceted ways such as utilizing artificial intelligence practices, social media, and big data management. Moreover, libraries are increasingly looking for ways to partner and collaborate with the community, faculty, students, and other libraries in order to keep abreast of the best practices and needs of their users. The *Research Anthology on Collaboration, Digital Services, and Resource Management for the Sustainability of Libraries* explores emerging strategies and technologies that are redefining the role of the library within communities and academia. This reference book covers extensive ground on all the ways libraries have shifted to manage their resources, digitalize their

services, and market themselves within the new technological revolution. These continued shifts for libraries come with benefits, challenges, and future projections that are critical for discussion as libraries continue to strive to remain updated and relevant in times of change. This book is ideal for librarians, archivists, collection managers, IT specialists, electronic resource librarians, practitioners, stakeholders, researchers, academicians, and students who are interested in the current state of libraries and how they are transforming to fit modern needs.

Cybercrime and Challenges in South Africa IGI Global

In this industrial and technological age, energy plays a principal role in sustainable development. This is connected to issues regarding availability, production processes, utilization, and environmental impact. Due to the increased rate of population growth, the energy demand in the entire world is getting to the level that it may not be sustained in the nearest future if drastic action is not taken to address the situation, especially from research and development perspectives. "None of the millennium development goals (MDGs) can be completed without considerable improvements in the quality and quantity of energy services in developing countries," according to the United Nations Development Programme (UNDP). Based on this fact, UNDP is making efforts, especially in developing countries to ensure that people have access to sustainable sources of clean, reliable, and affordable energy since every aspect of human development is highly impacted by this vital resource.

Digital Preservation and Documentation of Global Indigenous Knowledge Systems Springer Nature

This book features high-quality, peer-reviewed research papers presented at the Fifth International Conference on Smart Technologies in Data Science and Communication (SMARTDSC 2022), held Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh, India, on 16 - 17 June 2022. It includes innovative and novel contributions in the areas of data analytics, communication and soft computing.

Student Movements in Late Neoliberalism Springer Nature

Deanship in the Global South: Bridging Troubled Waters is about the lived reality of deans, their leadership role in the performance of the Faculty and its alignment to the institutional objectives. It proffers a strategic approach to successful leadership development.

Locally Relevant ICT Research African Sun Media

b"Application of Nanotechnology in Mining Processes Nanotechnology has revolutionized processes in many industries but its application in the mining industry has not been widely discussed. This unique book provides an overview of the successful implementation of nanotechnology in some of the key environmental and beneficiation mining processes. This book explores extensively the potential of nanotechnology to revolutionize the mining industry which has been relying for a very long on processes with limited efficiencies. The nine specialized chapters focus on applying nanoflotation to improve mineral processing, effective extraction of metals from leachates or pregnant solutions using nanoscale supramolecular hosts, and development of nano-adsorbents or nano-based strategies for the remediation or valorization of AMD. The application of nanotechnology in mining has so far received little attention from the industry and researchers and this groundbreaking book features critical issues so far under-reported in the literature: Application of nanotechnology in mineral processing for the enhancement of froth flotation Development of smart nanomaterials and application for the treatment of acid mine drainage Recovery of values from pregnant solutions using nanoadsorbents Valorization of AMD through formation of multipurpose nanoproducts. Audience Industrial interest will be from mining plant operators, environmental managers, water treatment plants managers, and operators. Researchers in nanotechnology, environmental science, mining, and metallurgy engineering will find the book valuable, as will government entities such as regulatory bodies officers and environmentalists.

The Contested Idea of South Africa IGI Global

With the rise of new technologies and disruptive innovations reshaping the global economy, the Fourth Industrial Revolution has been characterized as a fusion between the physical, digital, and biological worlds. From the increasing adoption of mobile devices to the entrepreneurial use of 3D printing, artificial intelligence, and robotics, trends across Africa speak to the continent's potential for growth and sustainable development in the Fourth Industrial Revolution. In this innovative and timely study, Landry Signé examines the meaning, drivers, and implications of the Fourth Industrial Revolution for Africa. Drawing upon comparative, continent-wide analysis, Signé powerfully challenges our understandings of Africa's transformation and sheds light on the potential of the Fourth Industrial Revolution to change and shape the Global South. By defining and investigating the Fourth Industrial Revolution, Signé develops a valuable framework for further study and

suggests strategies that Africans and their global partners can use to capitalize upon this rapidly evolving technological landscape.

Water Safety, Security and Sustainability CRC Press

Currently one of the most serious challenges faced by South African Universities is the fact that less than a quarter of tertiary students graduate after five years. The objective of this research study is to determine the various reasons why master students do not complete their studies in the prescribed time duration. It is predicted that the outcome of this research will point to the fact that

there is a positive correlation between proposal formulation, supervisor support and other associated factors, and the success of masters' students.

The Risk Register - an Integrated Strategy, Risk and Performance Management Policy Press

Leap 4.0: African Perspectives on the Fourth Industrial Revolution seeks to identify the challenges and opportunities the 4IR presents to South Africa and the rest of the African continent, especially to workers and marginalised sectors of society. Authors examine the prerequisites for the

successful introduction of the 4IR, including infrastructure, skilled personnel and appropriate regulation. They underline the importance of inclusive innovation, with a deliberate objective to create net new jobs and reduce inequality. The 4IR is well established in many parts of the world, with technological advances driving profound social and economic change. However, for many developing countries, particularly countries in Africa, the 4IR may not offer the anticipated 'leap' forward. There is a danger that the continent may find itself dictated to by experiences that are not in tune with its social contexts.

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