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VAAI UNIVERSITY OF TECHNOLOGY **POSTDOCTORAL RESEARCH FELLOWSHIP APPLICATION FORM -** **2022**

INSTRUCTIONS

1. The application form must be completed (typed) and signed by the Postdoctoral Fellow.
2. In order to qualify for a Vaal University of Technology Postdoctoral fellowship, the following criteria will be considered during the selection process:
 - Candidates must be available for **FULL-TIME RESEARCH** at the Vaal University of Technology.
 - Candidates will be awarded a tenure of one year only that is renewable for a maximum of two years, subject to satisfactory performance and motivation from the respective Principal Investigator (PI)/Host.
 - The Fellowship is valued at a tax exempt **R300, 000.00** per annum (Three Hundred Thousand Rand), and there are no benefits attached to this remuneration.
 - Candidates must have obtained their doctoral degrees within the **LAST FIVE YEARS** (2017 being the latest date of the degree being awarded).
 - Fellowships are awarded on a competitive basis, taking the Applicant's academic achievements and a good motivation as researcher into account. Applicants are encouraged to ensure that a full list of their publications is included in the CV section of the application form.
 - As the fellowship is primarily to enable the Postdoctoral Research Fellow (PDF) to focus on research, the fellowship holder may **NOT HOLD FULL-TIME SALARIED EMPLOYMENT** concurrently with tenure of the fellowship, however he/she will be allowed to undertake a maximum of twelve hours per week of teaching related work.
 - All awardees will be required to enter into a signed agreement with the Vaal University of Technology.
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 - It is the responsibility of the PI, to identify, screen, interview (with an interview panel) and select potential post-doctoral research fellows. Proof of the interview or screening method must be attached to the application form.
 - Once this selection process has been completed, all completed documents must be submitted to the Research Directorate for necessary processing.
 - Please note that there is little purpose in pursuing an application unless there is a clear commitment by a department to provide necessary facilities (office space, lab equipment etc.).
3. Applicants may submit these documents via email to their potential Principal Investigator (PI)/Host or to Mr Mahlaule Vulani.
4. The PI must submit completed forms with all the necessary documentation to Mr VC Mahlaule (vulanim@vut.ac.za) in both physical and electronic form.

Vaal University Of Technology Admission Forms 2014

Oliver J.J. Seale



Vaal University Of Technology Admission Forms 2014:

Environmental Science and Information Application Technology David Chan, 2015-06-29 Environmental Science and Information Application Technology contains selected papers from the 2014 5th International Conference on Environmental Science and Information Application Technology ESIAT 2014 Hong Kong 7 8 November 2014 The book covers a wide variety of topics Global Environmental Change and Ecosystems Management Graphic and I **Proceedings of IAC-EIaT 2014** collective of authors, 2014-12-02 Conference proceedings International Academic Conference on Engineering Internet and Technology in Prague 2014 IAC EIaT 2014 in Prague Friday Saturday December 12 13 2014 **Redefining Education and Development** Kaitano Dube, 2024-10-18 The book aligns with the United Nations Sustainable Development Goals SDGs particularly Goal 4 which focuses on quality education It explores the evolving role of education as a critical driver for achieving all 17 SDGs by providing a platform for discussing innovative educational models and theories that foster sustainable development The book takes an interdisciplinary approach merging educational theory developmental practice and human psychology to address complex global challenges hindering sustainable development The book includes case studies and empirical research such as exploring student entrepreneurship in the agricultural sector and the factors bridging the gap between entrepreneurial intention and venture creation These examples provide readers with practical applications of theoretical concepts and demonstrate the real world impact of educational innovations which is at the core of education delivery for all and how education touches on other areas of the SDGs The book offers valuable insights for policymakers educators and development practitioners by presenting research and theory based analyses It suggests ways to improve the academic environment to foster entrepreneurship and innovation which are key to economic development and job creation especially in regions with high youth unemployment rates The content suggests educational reforms that are responsive to the changing societal and economic landscapes The book s blend of theory and practice targets a broad audience including academic scholars students development agencies non governmental organisations and policymakers It seeks to engage these diverse readers in a conversation about the future of education and its role in achieving sustainable development In summary the book seeks to provide a comprehensive exploration of the nexus between education development and human needs in the context of the SDGs offering innovative perspectives and practical solutions to equip readers to contribute to sustainable global development *Electronic Government and the Information Systems Perspective* Andrea Kő, Enrico Francesconi, 2014-08-20 This book constitutes the refereed proceedings of the Third International Conference on Electronic Government and the Information Systems Perspective EGOVIS 2014 held in Munich Germany in September 2014 in conjunction with DEXA 2014 The 23 revised full papers presented together with one invited talk were carefully reviewed and selected for inclusion in this volume The papers are organized in the following topical sections identity management in e government e participation intelligent systems in e government semantic technologies in e government e government cases

open government data and G cloud and privacy and security in e government *Proceedings of the International Colloquium on Sports Science, Exercise, Engineering and Technology 2014 (ICoSSEET 2014)* Rahmat Adnan, Shariman Ismadi Ismail, Norasrudin Sulaiman, 2014-07-28 The proceeding is a collection of research papers presented at the International Colloquium on Sports Science Exercise Engineering and Technology ICoSSEET2014 a conference dedicated to address the challenges in the areas of sports science exercise sports engineering and technology including other areas of sports thereby presenting a consolidated view to the interested researchers in the aforesaid fields The goal of this conference was to bring together researchers and practitioners from academia and industry to focus on the scope of the conference and establishing new collaborations in these areas The topics of interest are as follows but are not limited to 1 Sports and Exercise Science Sports Nutrition Sports Biomechanics Strength and Conditioning Motor Learning and Control Sports Psychology Sports Coaching Sports and Exercise Physiology Sports Medicine and Athletic Trainer Fitness and Wellness Exercise Rehabilitation Adapted Physical Activity Disability Sport Physical Education Dance Games and Play 2 Sports Engineering and Technology Application Sports Equipment Mechanics Athlete Analysis and Measurement Instrumentation and Measurement in Sports Fluid Dynamics in Sports Computational Modeling in Sports 3 Sports Industry and Management Sports Event Sports Management Sports Tourism Sports Marketing Sports Ethics and Law Sports Sociology Outdoor and Recreation Management Inclusive Recreation Leisure **ICEL2104-Proceedings of the 9th International Conference on e-Learning** Dr Oscar Saavedra Rodriguez,, Dr Teresita Arenas Yáñez, 2014 **Additive Manufacturing: Materials, Processes, Quantifications and Applications** Jing Zhang, Yeon-Gil Jung, 2018-05-17 Additive Manufacturing Materials Processes Quantifications and Applications is designed to explain the engineering aspects and physical principles of available AM technologies and their most relevant applications It begins with a review of the recent developments in this technology and then progresses to a discussion of the criteria needed to successfully select an AM technology for the embodiment of a particular design discussing material compatibility interfaces issues and strength requirements The book concludes with a review of the applications in various industries including bio energy aerospace and electronics This book will be a must read for those interested in a practical comprehensive introduction to additive manufacturing an area with tremendous potential for producing high value complex individually customized parts As 3D printing technology advances both in hardware and software together with reduced materials cost and complexity of creating 3D printed items these applications are quickly expanding into the mass market Includes a discussion of the historical development and physical principles of current AM technologies Exposes readers to the engineering principles for evaluating and quantifying AM technologies Explores the uses of Additive Manufacturing in various industries most notably aerospace medical energy and electronics **Quality Management Implementation in Higher Education: Practices, Models, and Case Studies** Sony, Michael, Karingada, Kochu Therisa, Baporikar, Neeta, 2019-08-02 Although initially utilized in business and industrial environments quality

management systems can be adapted into higher education to assess and improve an institution's standards. These strategies are now playing a vital role in educational areas such as teaching learning and institutional level practices. However, quality management tools and models must be adapted to fit with the culture of higher education.

Quality Management Implementation in Higher Education: Practices, Models, and Case Studies is a pivotal reference source that explores the challenges and solutions of designing quality management models in the current educational culture. Featuring research on topics such as Lean Six Sigma, distance education, and student supervision, this book is ideally designed for school board members, administrators, deans, policymakers, stakeholders, professors, graduate students, education professionals, and researchers seeking current research on the applications and success factors of quality management systems in various facets of higher education.

Deanship in the Global South Oliver J.J. Seale, 2021-02-08

The university today is a postmodern, neo-liberal, competitive, boundary-less knowledge conglomerate, a far cry from its historical, traditional, classical, and collegial roots. There is a body of literature on deanship that points to its evolving nature in the contemporary academe, characterised by complexity and change. Balancing academic demands simultaneously with the requirements for effective performance, leadership and management lies at the heart of this very challenging bridging role. Nowadays, Deans are generally former academics emerging from a traditional collegial space and often catapulted into the relatively unknown domain of executive management with its related problems. Deans nowadays are required to be more than collegial intellectual leaders. They are also meant to be fiscal and human resource experts, fundraisers, politicians, and diplomats.

Deanship in the Global South: Bridging Troubled Waters is about the deans' lived reality as they try to balance the demands of both the academe from which they emerge and the administration to whom they now need to account. Their lack of preparation and inadequate support points to the need for a more strategic, integrated approach to leadership development within their critical bridging roles between the academe and administration.

Cyclones in Southern Africa Godwell Nhamo, David Chikodzi, 2021-09-28

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

Digital Leadership for Sustainable Higher Education Saad, Wan Zuhainis, Alias, Nor Aziah, Chong, Chou Min, Sabri, Suriana, 2025-06-04 Higher Education management and academics are currently faced with the task of balancing a market and competition based education versus values based education as people trudge through the Anthropocene era when humans have a substantial impact on the planet The holistic and comprehensive nature of higher education that aims to instill a range of ethical moral and social values in students is paramount The graduates that enter the workforce must unfailingly become responsible members of society and inadvertently contribute to the nation's prosperity and global harmony Strong leadership and the agency to keep learning are unavoidable Furthermore the vast technological advances may drive practices that prioritize social responsibility sustainability and well being Digital Leadership for Sustainable Higher Education presents key parameters for transforming higher education in response to the significant and unforeseen changes in the educational landscape It explores the vast technological advances together with the complexities of the higher education ecosystem and proposes ways to uphold purpose driven practices Covering topics such as digital health credentialing and nurturing empathy this book is an excellent resource for educators higher education leaders technologists sustainability experts professionals researchers scholars academicians and more

Nanotechnology: A Quick Guide to Materials and Technologies Divya Bajpai Tripathy, Anjali Gupta, Arvind Kumar Jain, Anuradha Mishra, Tokeer Ahmad, 2024-10-07 Nanotechnology A Quick Guide to Materials and Technologies invites readers to explore the cutting edge world of nanotechnology offering a comprehensive yet accessible introduction to this rapidly evolving field The content provides a foundation for understanding the field and details the properties of significant nanomaterials Readers will also gain insights into innovative processes while receiving a balanced perspective on the social and regulatory aspects of nanotechnology Key Features Foundational Knowledge Begins with an overview of nanotechnology its history and its key concepts Diverse Nanomaterials Explores various types of nanomaterials including nanoparticles nanowires and carbon based materials like graphene detailing their properties and potential applications Advanced Applications Explores the real world uses of nanotechnology across multiple sectors such as medicine electronics energy and environmental science demonstrating its transformative impact Fabrication and

Characterization Covers techniques for creating and analyzing nanomaterials offering insights into the processes that drive innovation in the field Ethical and Societal Considerations Discusses the broader implications of nanotechnology including ethical societal and regulatory aspects Ideal for students educators researchers and industry professionals this guide serves as an informative resource for anyone looking to deepen their understanding of nanotechnology **ICEL 2018 13th**

International Conference on e-Learning Professor Eunice Ivala,2018-07-05 Advances in Best-Worst Method Jafar Rezaei,Matteo Brunelli,Majid Mohammadi,2021-11-10 This book presents recent advances in the theory and application of the Best Worst Method BWM It includes selected papers from the Second International Workshop on Best Worst Method BWM2021 held in Delft The Netherlands from 10 11 June 2021 and provides valuable insights on why and how to use BWM in a diverse range of applications including health energy supply chain management and engineering The book highlights the use of BWM in different settings including single decision making vs group decision making and complete information vs incomplete and uncertain situations The papers gathered here will benefit academics and practitioners who are involved in multi criteria decision making and decision analysis **Handbook of Research on Smart Technology Applications in**

the Tourism Industry Çeltek, Evrim,2020-01-17 In today s modernized society certain technologies have become more applicable within many professional fields and are much easier to implement This includes the tourism industry where smart technology has provided a range of new marketing possibilities including more effective sales tactics and delivering a more personalized customer experience As the scope of business analytics continues to expand professionals need research on the various applications of smart technology within the field of tourism The Handbook of Research on Smart Technology Applications in the Tourism Industry is an essential reference source that discusses the use of intelligent systems in tourism as well as their influence on consumer relationships Featuring research on topics such as digital advertising wearable technology and consumer behavior this book is ideally designed for travel agents tour developers restaurateurs hotel managers tour directors airlines marketers researchers managers hospitality professionals policymakers business strategists researchers academicians and students seeking coverage on the use of smart technologies in tourism **Sustainability and**

the Future of Work and Entrepreneurship for the Underserved Rolle, JoAnn Denise,Crump, Micah,2022-06-24 Disparity in the workplace has been exacerbated in recent years as society faces a number of challenges in promoting inclusion and equality across fields To ensure appropriate steps are taken to move in the direction of a diverse and equitable future for the workforce further study and consideration on the key challenges opportunities and strategies for advancing business policy to provide for the underserved is required Sustainability and the Future of Work and Entrepreneurship for the Underserved highlights marginalized labor and entrepreneurial market segments and reviews strategies used to prepare for technological change globally The book also provides a series of recommendations to assist in growing and sustaining a more inclusive global society Covering a range of topics such as disparities class challenges and entrepreneurs this reference work is crucial

for policymakers business owners managers researchers academicians scholars instructors and students Handbook of Nature-Based Solutions to Mitigation and Adaptation to Climate Change Gustavo J. Nagy, Desalegn Yayeh Ayal, 2025-11-04

Over recent years nature based solutions NbS have gained popularity as tools to ameliorate the effects of climate change while slowing down the global warming process More specifically the potential of NbS has been explored in terms of meeting greenhouse gas emissions targets and fostering climate change adaptation NbS are methods that use and enhance nature to improve social and environmental challenges They involve several multifaceted actions that work sustainably to restore and protect the natural environment while helping people Therefore these solutions are useful in climate change adaptation and mitigation There are 3 main areas which NbS may target namely reducing exposure reducing sensitivity and supporting adaptive capacity Reducing exposure refers to protecting areas from existing climate change effects There is thus a perceived need to document and promote experiences related to NbS and to apply these in different contexts It is against this background that the Handbook of Nature Based Solutions to Mitigation and Adaptation to Climate Change is being produced The publication will showcase experiences related to NbS from around the world In particular it will gather examples of projects studies and the latest thinking on NbS which can serve the purpose of inspiring and fostering further works in this key area Thanks to its scope and thematic diversity the book will be of special interest to representatives from government organisations researchers and students from a wide range of natural and social sciences courses It will also provide useful information to practitioners and representatives from non governmental organisations **Proceedings of the 37th**

International Conference on Ground Control in Mining Brijes Mishra, Ted Klemetti, Heather Lawson, Michael Murphy, Kyle Perry, 2018-07-16 The International Conference on Ground Control in Mining has a rich history of advancing ground control techniques and knowledge It provides a unique platform for researchers regulators consultants manufacturers and mine operators to present and exchange challenging industry topics as well as to expedite solutions to ground control problems that require immediate attention This proceedings from the 37th International Conference is no exception It includes 47 peer reviewed research papers from industry experts covering topics of importance for today and the future **The Mobile Learning Voyage - From Small Ripples to Massive Open Waters** Tom H. Brown, Herman J. van

der Merwe, 2015-10-14 This book constitutes the proceedings of the 14th International Conference on Mobile and Contextual Learning mLearn 2015 held in a cruise ship leaving from and arriving to Venice Italy in October 2015 The 22 revised full papers and 6 short papers presented were carefully reviewed and selected from 81 submissions The papers deal with the topics related to the theme of the conference The mobile learning voyage from small ripples to massive open waters The conference theme paid tribute to the developments that brought mobile learning from its infancy steps in the early 2000s to maturity in 2015 while simultaneously paving the way for the broad and open waters ahead with new developments and progress in mobile learning and emerging ambient technologies *Climate Vulnerability and Resilience in the Global South*

G. M. Monirul Alam, Michael O. Erdiaw-Kwasie, Gustavo J. Nagy, Walter Leal Filho, 2021-08-21 This book provides hands on conceptual theoretical and case study discussions on vulnerability and resilience in the global south This book covers the core of adaptation strategies in developing countries context in an easy to follow theoretical and empirical examples This book shares contemporary approaches on vulnerability adaptation strategies and resilience which aim to assist its targeted audience academics policymakers and practitioners to understand and make informed decisions in a wide variety of real world resilience situations

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