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ICEL2016-Proceedings of the 11th International Conference on e- Learning Prof. Dr. Rozhan M. Idrus and Dr Nurkhamimi Zainuddin, 2016 *Contextualised Critical Reflections on Academic Development Practices* Teboho Pitso, 2021-04-20 This book offers insightful reflections on academic development practices The contributors engage the reader painstakingly in the dynamics of professional learning and effective teaching This volume facilitates the examination of the need for reflection that leads to professional maturity All educational institutions seek teachers who continuously search for effective strategies in improving student success The contributors uncover a variety of approaches as they evince proven suggestions The chapters are refreshing and edifying This book is essential for all teachers lecturers and trainers who want to improve their teaching practice immensely Professor Vuyisile T Msila Researcher at the Thabo Mbeki African School of Public and International Affairs University of South Africa **University on the Border** Lis Lange, Vasu Reddy, Siseko H. Kumalo, 2021-08-27 The volume explores and thinks through the process of decolonising the South African higher education system by examining MustFall The text offers theoretical insights from a historical contemporary and multidisciplinary lens while examining the embedded meanings of the university as an institution idea and set of practices to show the shifts and changes that were inaugurated by MustFall along with the historicities that define the university both locally and globally The retro and prospective insights presented in the book surface the crisis of authority that places the university in a state of precarity which is framed in the book as the border The volume proposes the concept of the border recognising its conceptual and analytical dynamism as a generative space that can facilitate new imaginaries and articulations of this social institution the university **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

Paper-based Diagnostics Kevin J. Land, 2018-12-11 This book explores the status of paper based diagnostic solutions or Microfluidics 2.0 The contributors explore how paper based tests can be widely distributed and utilized by semi skilled personnel how close to commercial applications the technology has become and what is still required to make paper based diagnostics the game changer it can be The technology is examined through the lens of the World Health Organization's ASSURED criteria for low resource countries Affordable Sensitive Specific User friendly Rapid and robust Equipment free and Deliverable to end users Its applications have to include health technology environmental technology food safety and more This book is appropriate for researchers in these areas as well as those interested in microfluidics and includes chapters dedicated to principles such as theory of flow and surface treatments components such as biomarkers and detection and current methods of manufacturing Discusses how paper based diagnostics can be used in developing countries by comparing current diagnostic tests with the World Health Organization's ASSURED criteria Examines how paper based diagnostics could be integrated with other technologies such as printed electronics and the Internet of Things Outlines how semi skilled personnel across a variety of fields can implement paper based diagnostics

Corrupted Jonathan D Jansen, 2023-02 Through investigatory reports and interviews Jonathan Jansen reveals the structural conditions for chronic dysfunction in a sample of South African universities He reveals the political economy at work and the intense competition for resources on campuses He also provides interventions for these fragile institutions Why do some universities seem to be in a constant state of turmoil and dysfunction Jonathan Jansen explores the root causes of chronic instability in a sample of South African universities Through scrutiny of investigatory reports and interviews with more than 100 university managers and government officials Jansen finds that at the heart of the dysfunction in universities is an intense and sometimes deadly competition for resources especially on campuses located in impoverished communities It is not the lack of institutional resources but their concentration in a university that draws a mix of corrupt actors from local politicians and taxi operators to members of council and management into a never ending run on the material such as money for infrastructure and symbolic namely graduation certificates for sale assets of these institutions Jansen argues that the problem won't be solved through investments in capacity building alone because the combination of institutional capacity and institutional integrity contributes to serial instability in universities Jansen makes an important intervention to understanding the root causes and offers interventions to produce stabilities such as the depoliticisation of university councils and appointing academics of

integrity and capacity in the management and leadership of these fragile institutions This groundbreaking and long overdue study will offer a promising way forward for universities to better serve their communities and the country more broadly

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

Green Economy in the Transport Sector

John Ogony Odiyo,Peter Bitta Bikam,James Chakwizira,2021-12-08 This open access book is interdisciplinary and provides cross sectoral and multi dimensional exploration of sustainable development and transportation in South Africa Drawing on work from different disciplines the book contributes not only to academia but also seeks to inform urban and regional policy with the view of contributing to the national aspirations of South Africa as espoused in the National Development Plan NDP 2030 National Spatial Development Framework NSDF Draft 2019 National Climate Change Adaptation Strategy NCASS Draft 2019 Green Transport Strategy for South Africa 2018 2050 and National Transportation Plan NATMAP 2050 Adopting a multi dimensional assessment the book provides a background for co production concerning climate change sustainable development and transportation in the Global South The book contributes in its analysis of the institutional and legislative framework that relates to the climate change skills and knowledge transfer sustainable development and transportation in South Africa as these are responsible for the evolution of the green economy and transport sector in the country The connections among different sectors and issues such as environment transport modes technology innovation vehicle management and emission control skills and knowledge transfer legislative and policy framework and the wider objectives of the sustainable development goals SDGs especially goals 11 to 13 The success stories relating to climate change sustainable development and transportation in South Africa are identified together with the best possible practices that may inform better environmental urban and regional planning policy practice and management

Speaking Subjects in Multilingualism

Research Judith Purkarthofer, Mi-Cha Flubacher, 2022-07-22 This book discusses salient moments of multilingual encounters and brings together contributions focused on the interplay between language use by individuals and societies and language related inequalities or opportunities for speakers The chapters demonstrate how biographical and speaker centred approaches can contribute to an understanding of linguistic diversity how researchers can empirically account for lived experiences of languages and how such accounts are embedded in a larger discussion on social inequality Together the chapters make a powerful case for the importance of speaker centred methodologies in multilingual and multilingualism research The book is a rich source of theoretical and methodological reflections and will thus be a valuable resource for both experienced researchers and students beginning to explore biographical research methods

Handbook of Research on Connecting Research Methods for Information Science Research Ngulube, Patrick, 2019-12-13 In today's globalized world viable and reliable research is fundamental for the development of information Innovative methods of research have begun to shed light on notable issues and concerns that affect the advancement of knowledge within information science Building on previous literature and exploring these new research techniques are necessary to understand the future of information and knowledge The Handbook of Research on Connecting Research Methods for Information Science Research is a collection of innovative research on the methods and application of study methods within library and information science While highlighting topics including data management philosophical foundations and quantitative methodology this book is ideally designed for librarians information science professionals policymakers advanced level students researchers and academicians seeking current research on transformative methods of research within information science

Quantitative Genetics, Genomics and Plant Breeding, 2nd Edition Manjit S. Kang, 2020-04-01 This book presents state of the art authoritative chapters on contemporary issues in the broad areas of quantitative genetics genomics and plant breeding Section 1 Chapters 2 to 12 emphasizes the application of genomics and genome and epigenome editing techniques in plant breeding bioinformatics quantitative trait loci mapping and the latest approaches of examining and exploiting genotype environment interactions Section 2 Chapters 13 to 20 represents the intersection of breeding genetics and genomics This section describes the use of cutting edge molecular breeding and quantitative genetics techniques in wheat rice maize root and tuber crops and pearl millet Overall the book focuses on using genomic information to help evaluate traits that can combat biotic abiotic stresses genome wide association mapping high throughput genotyping phenotyping biofortification use of big data orphan crops and gene editing techniques The examples featured are taken from across crop science research and cover a wide geographical base

Tourism and Hospitality for Sustainable Development Emmanuel Ndhlovu, Kaitano Dube, Tawanda Makuyana, 2024-09-12 The travel and hospitality industry in the 21st century cannot be conceived planned advertised run or researched without the use of digital technology and innovation Sustainable development in this sector cannot be achieved without considering the Fourth Industrial Revolution The use of technology

not only enhances the industry's profitability but also helps it to respond effectively to pressing global sustainability issues such as pandemics climate change energy crises workforce shortages and hyperinflation Furthermore technology allows the sector to fully evaluate its current and future economic social and environmental impacts addressing the needs of tourists businesses the environment and destinations However implementing technology is not a simple process and involves various opportunities costs and challenges that differ depending on the geopolitical and socio economic context With the drive towards disability inclusion digitalisation technological innovations and inventions can play a significant role in universal design and reasonable accommodation for older people and populations with disabilities in the Global North and South such forms one of the key pillars of accessible tourism and hospitality In the context of the above and in response to the thoughtful need for new and sustained study of the developments interrelationships potentialities of the topic and synergies this edited book explores the trends opportunities challenges and complexities of digitalisation and technology integration in the tourism and hospitality industry as well as strategic shifts that will contribute to emerging research streams The book comprises contributions that generate theoretical insights empirical findings and evidence based recommendations by focusing on emerging and forecasted technologies used in the tourism and hospitality industry such as blockchains robots Artificial Intelligence Virtual Reality big data and analytics The aim is to provide a better understanding of how disruptive technologies and digitalisation are currently being utilised and how they currently and potentially influence various stakeholder groups as well as their future possibilities and impossibilities The third volume in a three volume set primarily covers how these new technologies impact consumers and employees of tourism related services

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

Southern Resistance in Critical Perspective Marcel Paret, Carin Runciman, Luke Sinwell, 2017-03-27 From the Arab Uprising to anti austerity protests in Europe and the US Occupy Movement to uprisings in Brazil and Turkey resistance from

below is flourishing Whereas analysts have tended to look North in their analysis of the recent global protest wave this volume develops a Southern perspective through a deep engagement with the case of South Africa which has experienced widespread popular resistance for more than a decade Combining critical theoretical perspectives with extensive qualitative fieldwork and rich case studies Southern Resistance in Critical Perspective situates South Africa s contentious democracy in relation to both the economic insecurity of contemporary global capitalism and the constantly shifting political terrain of post apartheid nationalism The analysis integrates worker community and political party organizing into a broader narrative of resistance bridging historical divisions between social movement studies labor studies and political sociology

Proceedings and List of Members South African Chemical Institute,1913 **Accessibility of Digital Higher Education in the Global South** Mashau, Pfano, Farisani, Tshililo Ruddy, 2023-12-01 Accessibility of Digital Higher Education in the Global South authored by Pfano Mashau and Tshililo Farisani from the University of KwaZulu Natal South Africa is an academic book that examines the impact of the COVID 19 pandemic on higher education in Africa The book aims to provide a comprehensive analysis of the sustainability of the new normal approaches in African universities and institutions of learning as well as government responses to teaching and learning processes during and post pandemic The sudden outbreak of COVID 19 triggered demands for informal comfortable and self designed spaces that go beyond conventional formal classrooms where students can take initiative and demonstrate independence in learning However access to digitalized teaching methods remains problematic due to the digital divide among learners and the rural urban dichotomy The book invites researchers academics and scholars in the Global South to contribute to the narrative to document successes in and improve the higher education sector post pandemic The book covers a range of themes including the sustainability of digitalized teaching approaches integrative and interactive teaching and learning theories and practices government responses to teaching and learning processes comparative analysis of conventional and digitalized teaching and learning approaches and equality diversity and participation in digitalized teaching and learning platforms among others **The Routledge Handbook of English as a Lingua Franca** Jennifer Jenkins, Will Baker, Martin Dewey, 2017-08-23 The Routledge Handbook of English as a Lingua Franca ELF provides an accessible authoritative and comprehensive introduction to the main theories concepts contexts and applications of this rapidly developing field of study Including 47 state of the art chapters from leading international scholars the handbook covers key concepts regional spread linguistic features and communication processes domains and functions ELF in academia ELF and pedagogy and future trends This handbook is key reading for all those engaged in the study and research of English as a lingua franca and world global Englishes more broadly within English language applied linguistics and education **Industry 4.0 - Shaping The Future of The Digital World** Paulo Jorge da Silva Bartolo, Fernando Moreira da Silva, Shaden Jaradat, Helena Bartolo, 2020-10-28 The City of Manchester once the birthplace of the 1st Industrial Revolution is today a pioneering hub of the 4th Industrial Revolution

Industry 4.0 offering Industry 4.0 solutions in advanced materials engineering healthcare and social sciences Indeed the creation of some of the city's greatest academic institutions was a direct outcome of the industrial revolution so it was something of a homecoming that the Sustainable Smart Manufacturing S2M Conference was hosted by The University of Manchester in 2019 The conference was jointly organised by The University of Manchester The University of Lisbon and The Polytechnic of Leiria the latter two bringing in a wealth of expertise in how Industry 4.0 manifests itself in the context of sustainably evolving deeply rooted cities S2M 2019 instigated the development of 61 papers selected for publication in this book on areas of Smart Manufacturing Additive Manufacturing and Virtual Prototyping Materials for Healthcare Applications and Circular Economy Design Education and Urban Spaces

The Social Impacts of Mine Closure in South Africa Lochner Marais, 2022-09-05 This book investigates the relationship between mining mine closure and housing policy in post apartheid South Africa using concepts from new institutional economics and evolutionary governance theory Mine closures present a major challenge to the mining industry and governments with this being particularly noticeable in the Global South This book argues that the dependencies created by the mining industry and mine housing policies while a mine is operational cause serious societal problems when it closes To demonstrate this the book applies the concepts of place attachment asset based development and social disruption Conceptually the book challenges the view that place attachment and asset based development are the most appropriate and often the only policy responses in mining areas In South Africa the mining industry and the government have created comprehensive housing programmes linked to homeownership to promote place attachment stability and wealth among mine workers These programmes do not consider the disruption that mine closure might bring The book challenges the blind application during boom periods of policies which create long term dependencies that are difficult to manage when a mine closes This book will be of interest to students and scholars researching the social impacts of mining and the extractive industries social geography and sustainable development as well as policymakers and practitioners working with mine closure or social impact assessments

Handbook of Research on Administration, Policy, and Leadership in Higher Education Mukerji, Siran, Tripathi, Purnendu, 2016-09-27 The creation of a sustainable and accessible higher education systems is a pivotal goal in modern society Adopting strategic frameworks and innovative techniques allows institutions to achieve this objective The Handbook of Research on Administration Policy and Leadership in Higher Education is an authoritative reference source for the latest scholarly research on contemporary management issues in educational institutions and presents best practices to improve policies and retain effective governance Addressing the current state of higher education at an international level this book is ideally designed for academicians educational administrators researchers and professionals

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