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Universities as Living Labs for Sustainable Development
 Human-Computer Interaction: Applications and Services
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 Postgraduate Study in South Africa
 ECIE2015-10th European Conference on Innovation and Entrepreneurship
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 Being a Systems Psychodynamic Scholar
 Multilingualism and Intercultural Communication
 Business Education and Ethics: Concepts, Methodologies, Tools, and Applications
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 The Encyclopedia of Female Pioneers in Online Learning
 Innovative Applications of Online Pedagogy and Course Design
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 Big Data: Concepts, Methodologies, Tools, and Applications
 A Conceptual Model for Designing Recycled Aggregate Concrete for Structural Applications
 Technologies and Applications for Smart Charging of Electric and Plug-in Hybrid Vehicles
 International Handbook of Distance Education
 Curriculum Development and Online Instruction for the 21st Century
 ICEL2015-10th International Conference on e-Learning
 Handbook of Theory and Practice of Sustainable Development in Higher Education
 Biodiesel Technology and Applications
 Sustainable Development in Africa
 Learning Analytics in Open and Distributed Learning
 Clinical Cases: Drug Calculations Case Studies - eBook
 Strategies for Facilitating Inclusive Campuses in Higher Education
 ICEL 2017 - Proceedings of the 12th International Conference on e-Learning
 The Origin and Growth of Geography as a discipline at South Africa Universities
 Transforming Higher Education Through Universal Design for Learning
 Higher Education and Sustainability
 Advancing Online Course Design and Pedagogy for the 21st Century Learning Environment
 The Mobile Learning Voyage - From Small Ripples to Massive Open Waters
 Revolutionizing Aircraft Materials and Processes
 Encyclopedia of Organizational Knowledge, Administration, and Technology
 Transforming Teaching and Learning Experiences for Helping Professions in Higher Education
 ICCSM2015-3rd International Conference on Cloud Security and Management
 Mobile Learning in Higher Education in the Asia-Pacific Region

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JONAS HIGGINS

Universities as Living Labs for Sustainable Development AFRICAN SUN MeDIA

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.

Human-Computer Interaction: Applications and Services IGI Global

This Handbook approaches sustainable development in higher education from an integrated perspective, addressing the dearth of publications on the subject. It offers a unique overview of what universities around the world are doing to implement sustainable development (i.e. via curriculum innovation, research, activities, or practical projects) and how their efforts relate to education for sustainable development at the university level. The Handbook gathers a wealth of information, ideas, best practices and lessons learned in the context of executing concrete projects, and assesses methodological approaches to integrating the topic of sustainable development in university curricula. Lastly, it documents and disseminates the veritable treasure trove of practical experience currently available on sustainability in higher education.

Biodiversity and Education for Sustainable Development CRC Press

This book presents a collection of different researches and results on "e-learning". The chapters cover the deficiencies, requirements, advantages and disadvantages of e-learning and distance learning. So, the authors reported their research and analysis results on "e-learning" according to their areas of expertise.

Postgraduate Study in South Africa AFRICAN SUN MeDIA

The Encyclopedia of Female Pioneers of Online Learning is the first volume to explore the lives and scholarship of women who have prominently advanced online learning. From its humble origins as distance education courses conducted via postal correspondence to today's advances in the design and delivery of dynamic, technology-enhanced instruction, the ever-evolving field of online learning continues to be informed by the seminal research and institutional leadership of women. This landmark book details 30 preeminent female academics, including some of the first to create online courses, design learning management systems, research innovative topics such as discourse analysis or open resources, and speak explicitly about gender parity in the field. Offering comprehensive career profiles, original interviews, and research analyses, these chapters are illuminating on their own right while amounting to an essential combination of reference material and primary source.

ECIE2015-10th European Conference on Innovation and Entrepreneurship BRILL

This Festschrift has been compiled by Sanchen Henning in honour of the work of Professor Frans Cilliers. On behalf of colleagues and friends in South Africa and abroad, she illustrates their appreciation and respect for his role as scholar in Systems Psychodynamics. He produced various pioneering research projects in Organisational Psychology as his field of study, through the Systems Psychodynamic lens. A specific feature and contribution of the book is the application of Systems Psychodynamics to organisational matters and leadership consulting as well as to the lived experiences of postgraduate students and academics. The chapters include themes relevant on individual, group and organisational levels and are intended to contribute to the body of knowledge

in the field.

ECSM 2017 4th European Conference on Social Media Springer Nature

This volume provides educators with a global understanding of the successes and challenges associated with facilitating inclusive campuses in higher education amidst the growing diversity of students by providing evidence-based strategies and ideas for implementing equity and inclusion at higher education institutions around the world.

Being a Systems Psychodynamic Scholar IGI Global

The current learning environment is substantially different than what existed for most of the 20th century. Learners and teachers today must navigate in perpetually changing contexts where education is influenced by technological advancement and obsolescence, economic barriers, a changing employment landscape, and even international politics. Studies indicate that employers seek to hire graduates with strong skills in areas coalescing around international awareness, creativity, communication, leadership, and teamwork. Skills and experiences in these areas are necessary preparation for the current economy and to pursue jobs that do not exist yet, while providing some insulation against the obsolescence of industries that lack these characteristics. These interpersonal skills are not often the subject of students' degrees, yet there are opportunities in online education to cultivate them. With increased interest in new career options comes the need to reconsider how to teach subjects in the increasingly online environment. *Advancing Online Course Design and Pedagogy for the 21st Century Learning Environment* is a critical reference book that navigates today's dynamic education requirements and provides examples of how online learning can foster growth in skill areas necessary for career advancement through effective course design. Moreover, it helps educators gain insight into online pedagogy and course design for the 21st century learner and prepares them to convert traditional courses and enhance existing online courses, thereby supporting students' growth and development in the highly dynamic online learning environment. Focusing on specific learning activities, assessments, engagement, communication techniques, and more, this book provides a valuable resource for those seeking to upgrade teaching and learning into the online environment, those that seek better employment outcomes for their students, and those seeking to explore contemporary online course design strategies or examples. This includes teachers, instructional designers, curriculum developers, academicians, researchers, and students.

Multilingualism and Intercultural Communication John Wiley & Sons

An in-depth look at the changing sociolinguistic dynamics that have influenced South African society. To date, there has been no published textbook which takes into account changing sociolinguistic dynamics that have influenced South African society. *Multilingualism and Intercultural Communication* breaks new ground in this arena. The scope of this book ranges from macro-sociolinguistic questions pertaining to language policies and their implementation (or non-implementation) to micro-sociolinguistic observations of actual language-use in verbal interaction, mainly in multilingual contexts of Higher Education (HE). There is a gradual move for the study of language and culture to be taught in the context of (professional) disciplines in which they would be used, for example, Journalism and African languages, Education and African languages, etc. The book caters for this growing market. Because of its multilingual nature, it caters to English and Afrikaans language speakers, as well as the Sotho and Nguni language groups – the largest languages in South Africa [and also increasingly used in the context of South African Higher Education]. It brings together various inter-linked disciplines such as Sociolinguistics and Applied Language Studies, Media Studies and Journalism, History and Education, Social and Natural Sciences, Law, Human Language Technology, Music, Intercultural Communication and Literary Studies. The unique cross-cutting disciplinary features of the book will make it a must-have for twenty-first century South African students and scholars and those interested in applied language

issues.

Business Education and Ethics: Concepts, Methodologies, Tools, and Applications Springer Nature

This book addresses the emerging needs of the aerospace industry by discussing recent developments and future trends of aeronautic materials. It is aimed at advancing existing materials and fostering the ability to develop novel materials with less weight, increased mechanical properties, more functionality, diverse manufacturing methods, and recyclability. The development of novel materials and multifunctional materials has helped to increase efficiency and safety, reduce costs, and decrease the environmental footprint of the aeronautical industry. In this book, integral metallic structures designed by disruptive concepts, including topology optimization and additive manufacturing, are highlighted.

Trends in E-learning CRC Press

This book gathers interdisciplinary reflections from researchers, educators, and other experts on the subject of biodiversity closer to education and learning. The book also highlights its role as an added value to strategic principles for healthy ecosystems and sustainable human development. It promotes critical thinking and foster practices and attitudes for Education for Sustainable Development reconciling education with principles of human behaviour and nature. Readers especially find this book a timely resource in light of the Strategic Plan for Biodiversity 2011–2020, the Aichi Targets, and the new EU biodiversity strategy "Our life insurance, our natural capital: an EU biodiversity strategy to 2020". Along with the challenge of ecosystems and public health, biodiversity conservation is essential for humanity's continued security and sustainability, as it touches on all aspects of people's lives.

Sustainable Development Goals and Institutions of Higher Education IGI Global

This book outlines issues related to massive integration of electric and plug-in hybrid electric vehicles into power grids. Electricity is becoming the preferred energy vector for the next new generation of road vehicles. It is widely acknowledged that road vehicles based on full electric or hybrid drives can mitigate problems related to fossil fuel dependence. This book explains the emerging and understanding of storage systems for electric and plug-in hybrid vehicles. The recharging stations for these types of vehicles might represent a great advantage for the electric grid by facilitating integration of renewable and distributed energy production. This book presents a broad review from analyzing current literature to on-going research projects about the new power technologies related to the various charging architectures for electric and plug-in hybrid vehicles. Specifically focusing on DC fast charging operations, as well as, grid-connected power converters and the full range of energy storage systems. These key components are analyzed for distributed generation and charging system integration into micro-grids. The authors demonstrate that these storage systems represent effective interfaces for the control and management of renewable and sustainable distributed energy resources. New standards and applications are emerging from micro-grid pilot projects around the world and case studies demonstrate the convenience and feasibility of distributed energy management. The material in this unique volume discusses potential avenues for further research toward achieving more reliable, more secure and cleaner energy.

Cloud Security: Concepts, Methodologies, Tools, and Applications Academic Conferences and publishing limited

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. Big Data: Concepts, Methodologies, Tools, and Applications is a multi-volume compendium of research-based perspectives and solutions within the realm of large-scale and complex data sets. Taking a multidisciplinary approach, this publication presents exhaustive coverage of crucial topics in the field of big data including diverse applications, storage solutions, analysis techniques, and methods for searching and transferring large data sets, in addition to security issues. Emphasizing essential research in the field of data science, this publication is an ideal reference source for data analysts, IT professionals, researchers, and academics.

The Encyclopedia of Female Pioneers in Online Learning Springer

APPLY THEORY TO PRACTICE WITH THE CLINICAL CASES SERIES Based on real life scenarios, the Clinical Cases series presents quality case studies, complete with answers, to provide nursing students with an opportunity to explore scenarios they are likely to encounter in a variety of practice settings. Clinical Cases: Drug Calculations Case Studies can be used in conjunction with Havard's Nursing Guide to Drugs 9th edition as part of the suite of resources for undergraduate and Diploma of nursing students. Each case starts with an introduction, where the presenting condition and symptoms are outlined and as the case progresses, more details of the patient's condition, tests, medications and other considerations are provided. All cases come together with a conclusion where the patient outcomes are highlighted, followed by a discussion of the key considerations for the case. Multiple Choice Questions are integrated throughout and rationales are provided for all answers. Clinical Cases: Drug Calculations Case Studies is perfect for use during exam preparation or as a study tool, providing an engaging approach to learning and revision. 20 progressive case studies across a range of clinical practice areas including care of the adult patient, paediatrics, aged care, palliative care and midwifery Multiple Choice Questions integrated throughout each stage of the case studies Rationales provided for all answers References for further reading and research.

Innovative Applications of Online Pedagogy and Course Design Springer Nature

The book provides descriptions of experiences from research and educational sustainability projects and the role HEIs can play together with contributions presenting a variety of initiatives showing how SDGs are being implemented. The book promotes the theoretical and practical understanding on this thematic and disseminates knowledge and international research and cooperation. Contributions cover the role of SDGs in advancing implementation of sustainable development, sustainability in higher education, the role of universities in sustainable development, new paths towards sustainable development and e-learning contributions. Features Focuses on theoretical and practical understanding on Sustainability, Higher Education and SDGs to disseminate knowledge and promote research and cooperation Includes lessons learned from sustainability research and educational challenges presenting case studies, technological developments, outputs of research and studies, best practices and examples of successful projects Discusses relevant and international perspectives on sustainability, higher education and SDGs Presents local and international contributions on a variety of initiatives showing how SDGs are being implemented

Electrochemical Devices for Energy Storage Applications NYU Press

BIODIESEL This outstanding new volume provides a comprehensive overview on biodiesel technologies, covering a broad range of topics and practical applications, edited by one of the most well-respected and prolific engineers in the world and his team. Energy technologies have attracted great attention due to the fast development of sustainable energy. Biodiesel technologies have been identified as the sustainable route through which overdependence on fossil fuels can be reduced. Biodiesel has played a key role in handling the growing challenge of a global climate change policy. Biodiesel is defined as the monoalkyl esters of vegetable oils or animal fats. Biodiesel is a cost-

effective, renewable, and sustainable fuel that can be made from vegetable oils and animal fats.

Compared to petroleum-based diesel, biodiesel would offer a non-toxicity, biodegradability, improved air quality and positive impact on the environment, energy security, safe-to-handle, store and transport and so on. Biodiesels have been used as a replacement of petroleum diesel in transport vehicles, heavy-duty trucks, locomotives, heat oils, hydrogen production, electricity generators, agriculture, mining, construction, and forestry equipment. This book describes a comprehensive overview, covering a broad range of topics on biodiesel technologies and allied applications. Chapters cover history, properties, resources, fabrication methods, parameters, formulations, reactors, catalysis, transformations, analysis, in situ spectroscopies, key issues and applications of biodiesel technology. It also includes biodiesel methods, extraction strategies, biowaste utilization, oleochemical resources, non-edible feedstocks, heterogeneous catalysts, patents, and case-studies. Progress, challenges, future directions, and state-of-the-art biodiesel commercial technologies are discussed in detail. This book is an invaluable resource guide for professionals, faculty, students, chemical engineers, biotechnologists, and environmentalists in these research and development areas. This outstanding new volume: Summarizes the recent developments in this rapidly-developing, multi-disciplinary field Provides the reader with a practical understanding of biodiesel technology toward the real-world applications Formulates concepts, case-studies, patents, and applications helpful in decision making and problem-solving, in a single resource Delivers state-of-the-art information on biodiesel technology Audience: Chemical and process engineers and other professionals, faculty, students, scientists, biotechnologists, and environmental engineers

Transformative Curricula, Pedagogies and Epistemologies Routledge

In the increasingly competitive corporate sector, organizational leaders must examine their current practices to ensure business success. This can be accomplished by implementing effective educational initiatives and upholding proper ethical behavior. Business Education and Ethics: Concepts, Methodologies, Tools, and Applications is a comprehensive source of academic knowledge that contains coverage on the latest learning and educational strategies for corporate environments, as well as the role of ethics and integrity in day-to-day business endeavors. Including a broad range of perspectives on topics such as globalization, organizational justice, and cyber ethics, this multi-volume book is ideally designed for managers, practitioners, students, professionals, and researchers actively involved in the corporate sector.

Sustainable Development Goals for Society Vol. 1 BoD – Books on Demand

The world of education has undergone major changes within the last year that have pushed online instruction to the forefront of learning. Thanks to the COVID-19 pandemic, online learning has become paramount to the continued and uninterrupted teaching of students and has forced students and teachers alike to adjust to an online learning environment. Though some have already returned to the traditional classroom, or plan to very soon, others have begun to appreciate the value of online education – initiatives that had previously been discussed but never acted upon as they have been in the past year. With plenty of positive and negative aspects, online learning is a complex issue with numerous factors to consider. It is an issue that must be studied and examined in order to improve in the future. Curriculum Development and Online Instruction for the 21st Century examines the issues and difficulties of online teaching and learning, as well as potential solutions and best practices. This book includes an examination on the value of teaching fully via the internet as well as the challenges inherent in the training of teachers to teach in online environments. While addressing key elements of remote learning, such as keeping student data safe, as well as methods in which to engage students, this book covers topics that include assessment tools, teaching deaf students, web technology, and standardized curricula. Ideal for K-12 teachers, college faculty, curriculum developers, instructional designers, educational software developers, administrators, academicians, researchers, and students, this book provides a thorough overview of online education and the benefits and issues that accompany it.

Big Data: Concepts, Methodologies, Tools, and Applications Springer

Providing insight into the background, theory and practical applications of Universal Design for Learning (UDL), Transforming Higher Education through Universal Design for Learning: An International Perspective examines and shares best practice in UDL implementation worldwide to provide strategies for strengthening student accessibility, engagement and learning outcomes through the development of flexible learning environments. Drawing upon insightful, research-based contributions from educators and student service specialists in Australia, Belgium, Brazil, Canada, Ireland, Israel, Norway, South Africa, Spain, the UK and all across the USA, this book: considers diversity in the form of disability, minority ethnic groups, gender identities, first generation university students and varying socio-economic backgrounds; brings together key thinkers and actors in the field of UDL and expertly maps its practices to the higher educational domain; explores the multiple means of representation, expression and engagement that combine to create a successful UDL framework. Each chapter not only provides a different perspective of how UDL has helped meet the needs of all students to ensure that education is accessible, culturally responsive and socially just, but also considers how this can then be implemented into higher education environments the world over. This book is a crucial read for those who want to make a positive difference in higher education provision and outcomes.

A Conceptual Model for Designing Recycled Aggregate Concrete for Structural Applications Springer Nature

For any organization to be successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively. Business concepts are always present regardless of the field or industry – in education, government, healthcare, not-for-profit, engineering, hospitality/tourism, among others. Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is an inaugural five-volume publication that offers 193 completely new and previously unpublished articles authored by leading experts on the latest concepts, issues, challenges, innovations, and opportunities covering all aspects of modern organizations. Moreover, it is comprised of content that highlights major breakthroughs, discoveries, and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization's internal health and performance. Insights are offered in key topics such as organizational structure, strategic leadership, information technology management, and business analytics, among others. The knowledge compiled in this publication is designed for entrepreneurs, managers, executives, investors, economic analysts, computer engineers, software programmers, human resource departments, and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to business, management science, organizational development, entrepreneurship, sociology, corporate psychology, computer science, and information technology will benefit from the research compiled within this publication.

Technologies and Applications for Smart Charging of Electric and Plug-in Hybrid Vehicles Springer

The publication provides the first comprehensive text that reflects on a century of the development of geography as an academic discipline at South African universities. The book showcases a broad

and textured review of South Africa's geography departments, their staff members, their times, and the different Geographies they engaged in. The book lays the foundation from which more expansive individual departmental histories can be written in the future.