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Learning to teach in post-apartheid South Africa - Yusuf Sayed 2018-11-30

Teacher education programmes seek to provide student teachers with the knowledge and expertise to provide quality teaching and learning in a diverse and challenging school context. Learning to Teach in post-apartheid South Africa: Student Teachers' Encounters with Initial Teacher Education addresses the complexities of teacher education programmes in preparing students to teach. It adds to the knowledge about teacher education, contributing critical understanding of education and the schooling system. The book provides important insights to deepen researchers, academics, teacher education providers, policy-makers, and students' understanding of the importance to address equity, redress, and quality in South African education in a post-apartheid era. This book further helps to build student teachers' capacities to work creatively and to become active and critical agents of transformation. It ultimately outlines the challenges face in designing and delivering successful Initial Teacher Education programmes, and the impact this has on delivering equitable and quality education.

Epistemic Freedom in Africa - Sabelo J. Ndlovu-Gatsheni 2018-06-27

Epistemic Freedom in Africa is about the struggle for African people to think, theorize, interpret the world and write from where they are located, unencumbered by Eurocentrism. The imperial denial of common

humanity to some human beings meant that in turn their knowledges and experiences lost their value, their epistemic virtue. Now, in the twenty-first century, descendants of enslaved, displaced, colonized, and racialized peoples have entered academies across the world, proclaiming loudly that they are human beings, their lives matter and they were born into valid and legitimate knowledge systems that are capable of helping humanity to transcend the current epistemic and systemic crises.

Together, they are engaging in diverse struggles for cognitive justice, fighting against the epistemic line which haunts the twenty-first century. The renowned historian and decolonial theorist Sabelo J. Ndlovu-Gatsheni offers a penetrating and well-argued case for centering Africa as a legitimate historical unit of analysis and epistemic site from which to interpret the world, whilst simultaneously making an equally strong argument for globalizing knowledge from Africa so as to attain ecologies of knowledges. This is a dual process of both deprovincializing Africa, and in turn provincializing Europe. The book highlights how the mental universe of Africa was invaded and colonized, the long-standing struggles for 'an African university', and the trajectories of contemporary decolonial movements such as Rhodes Must Fall and Fees Must Fall in South Africa. This landmark work underscores the fact that only once the problem of epistemic freedom has been addressed can Africa achieve political, cultural, economic and other freedoms. This groundbreaking

new book is accessible to students and scholars across Education, History, Philosophy, Ethics, African Studies, Development Studies, Politics, International Relations, Sociology, Postcolonial Studies and the emerging field of Decolonial Studies.

Chalcogen Chemistry - Peter Ndibewu 2019-02-20

This is a handy textbook comprised of chapters introducing the fundamentals of chalcogen chemistry with a focus on chalcogens and selected derived compounds and/or materials with illustrative practical applications. These low-valent chemistry elements of Group 16 or group VI- in the modern periodic table include oxygen (O), sulfur (S), selenium (Se), tellurium (Te), and polonium (Po), and they exhibit extremely interesting properties. They are endowed with supramolecular and structure bonding reactivities that allow them to form a variety of new compounds with sophisticated characteristics, thus making their way into a new era of materials development. It is hoped that readers of this textbook with a general background knowledge in chemistry, biogeochemistry, biochemistry, biology, food, agriculture, and also medicine, as well as pharmacy, will find the chapters enriching in new knowledge. An introductory chapter orients readership in this particular field of chemistry with a summative focus on the multidisciplinary approach employed in the compilation of the chapters. As such, the text is suitable for scientists, technologists, students, as well as those whose major interest is chalcogen chemistry, with particular interests in the chalcogen compounds and materials.

Water Safety, Security and Sustainability - Ashok Vaseashta 2021-07-14

This book focuses on threats, especially contaminants, to drinking water and the supply system, especially in municipalities but also in industrial and even residential settings. The safety, security, and suitability landscape can be described as dynamic and complex stemming from necessity and hence culpability due to the emerging threats and risks, vis-a-vis globalization resulting in new forms of contaminants being used due to new technologies. The book provides knowledge and guidance for engineers, scientists, designers, researchers, and students who are

involved in water, sustainability, and study of security issues. This book starts out with basics of water usage, current statistics, and an overview of water resources. The book then introduces different scenarios of safety and security and areas that researchers need to focus. Following that, the book presents different types of contaminants - inadvertent, intentional, or incidental. The next section presents different methodologies of contamination sensing/detection and remediation strategies as per guidance and standards set globally. The book then concludes with selected chapters on water management, including critical infrastructure that is critical to maintaining safe water supplies to cities and municipalities. Each chapter includes descriptive information for professionals in their respective fields. The breadth of chapters offers insights into how science (physical, natural, and social) and technology can support new developments to manage the complexity resident within the evolving threat and risk landscape.

Street Rebellion - Benjamin S. Case 2022-12-06

The complex relationship between violence and nonviolence in social movements. We are living in a time of uprisings that routinely involve physical confrontation—burning vehicles, barricades, vandalism, and scuffles between protesters and authorities. Yet the Left has struggled to incorporate rioting into theories of change, remaining stuck in recurring debates over violence and nonviolence. Civil resistance studies have popularized the term “strategic nonviolence,” spreading the notion that violence is wholly counter-productive. *Street Rebellion* scrutinizes recent research and develops a broad and grounded portrait of the relationship between strategic nonviolence and rioting in the struggle for liberation.

Energy Technology 2020: Recycling, Carbon Dioxide Management, and Other Technologies - Xiaobo Chen 2020-01-15

This collection addresses the pressing needs for sustainable technologies with reduced energy consumption and environmental pollutions and the development and application of alternative sustainable energy to maintain a green environment and efficient and long-lasting energy supply. Contributors represent both industry and academia and focus on new and efficient energy technologies including innovative ore

beneficiation, smelting technologies, and recycling and waste heat recovery, as well as emerging novel energy solutions. The volume also covers a broad range of mature and new technological aspects of sustainable energy ecosystems, processes that improve energy efficiency, reduce thermal emissions, and reduce carbon dioxide and other greenhouse emissions. Authors also explore the valorization of materials and their embodied energy including byproducts or coproducts from ferrous and nonferrous industries, batteries, electronics, and other complex secondary materials.

Postharvest Biology and Technology of Temperate Fruits - Shabir Ahmad Mir 2018-05-29

This edited volume provides insight into temperate fruits, with an emphasis on postharvest physiology, storage, packaging and technologies for maintaining fruit quality. Chapters are devoted to individual fruits and focus on fundamental issues such as methods for maintaining or enhancing quality, minimizing postharvest losses, and recommended technologies to boost demand. Contributions come from experts in the field, making this a key reference for all aspects of postharvest management of temperate fruits. The volume is unique in its focus on the biodiversity, nutritional and health benefits, and postharvest technologies for shelf life enhancement of temperate fruits. Contributing authors address the postharvest biology and technology of individual temperate fruits such as plum, cherry, peach, apricot, apple, pear, quince, loquat, kiwi, persimmon and berries. There has been tremendous growth in the research and development of new techniques to maintain the quality of temperate fruits from farm to table. Contributions from experts in the field cover these recent advances, providing up-to-date and relevant information for researchers, postharvest/fruit technologists, food scientists, postgraduate students, and others working in the industry.

This Changes Everything - ICT and Climate Change: What Can We Do? - David Kreps 2018-09-10

This book constitutes the refereed proceedings of the 13th IFIP TC 9 International Conference on Human Choice and Computers, HCC13

2018, held at the 24th IFIP World Computer Congress, WCC 2018, in Poznan, Poland, in September 2018. The 29 revised full papers presented were carefully reviewed and selected from 48 submissions. The papers are based on both academic research and the professional experience of information practitioners working in the field. They deal with multiple challenges society will be facing in the future and are organized in the following topical sections: history of computing: "this changed everything"; ICT4D and improvements of ICTs; ICTs and sustainability; gender; ethical and legal considerations; and philosophy.

Student Movements in Late Neoliberalism - Lorenzo Cini 2021-08-22

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.

Higher Education Pathways - Paul Ashwin 2018-12-13

In what ways does access to undergraduate education have a transformative impact on people and societies? What conditions are required for this impact to occur? What are the pathways from an undergraduate education to the public good, including inclusive economic development? These questions have particular resonance in the South African higher education context, which is attempting to tackle the challenges of widening access and improving completion rates in a

system in which the segregations of the apartheid years are still apparent. Higher education is recognised in core legislation as having a distinctive and crucial role in building post-apartheid society.

Undergraduate education is seen as central to addressing skills shortages in South Africa. It is also seen to yield significant social returns, including a consistent positive impact on societal institutions and the development of a range of capabilities that have public, as well as private, benefits. This book offers comprehensive contemporary evidence that allows for a fresh engagement with these pressing issues.

Drinking Water Quality and Human Health - Patrick Levallois 2019-04-04

The quality of drinking water is paramount for public health. Despite important improvements in the last decades, access to safe drinking water is not universal. The World Health Organization estimates that almost 10% of the population in the world do not have access to improved drinking water sources. Among other diseases, waterborne infections cause diarrhea, which kills nearly one million people every year, mostly children under 5 years of age. On the other hand, chemical pollution is a concern in high-income countries and an increasing problem in low- and middle-income countries. Exposure to chemicals in drinking water may lead to a range of chronic non-communicable diseases (e.g., cancer, cardiovascular disease), adverse reproductive outcomes, and effects on children's health (e.g., neurodevelopment), among other health effects. Although drinking water quality is regulated and monitored in many countries, increasing knowledge leads to the need for reviewing standards and guidelines on a nearly permanent basis, both for regulated and newly identified contaminants. Drinking water standards are mostly based on animal toxicity data, and more robust epidemiologic studies with accurate exposure assessment are needed. The current risk assessment paradigm dealing mostly with one-by-one chemicals dismisses the potential synergisms or interactions from exposures to mixtures of contaminants, particularly at the low-exposure range. Thus, evidence is needed on exposure and health effects of mixtures of contaminants in drinking water. Finally, water stress and water quality problems are expected to increase in the coming years due

to climate change and increasing water demand by population growth, and new evidence is needed to design appropriate adaptation policies. This Special Issue of International Journal of Environmental Research and Public Health (IJERPH) focuses on the current state of knowledge on the links between drinking water quality and human health.

Educating Citizen Designers in South Africa - Elmarie Costandius 2018-09-07

Educating Citizen Designers in South Africa is the first book of its kind to appear in post-apartheid South Africa and it is therefore both overdue and extremely welcome. The book aims at sharing critical citizenship design teaching and learning pedagogies by including contributions from a range of design educators, and one student, who work in different design disciplines, such as architecture, graphic and product design. Critical citizenship education is explicated in relation to a range of theories and new and existing models. Numerous contemporary case studies and examples of design projects from a range of South African Higher Education Institutions are included. As such, a variety of perspectives emerge, including the consensual, where the aim of critical citizenship education is viewed as promoting social justice, shared values and critical thinking, to the conflicting ? where critiques are levelled against conceptions of critical citizenship education. Contentious, contesting and contradictory views are inevitable and necessary given the South African context as it is only in open debate that the one point of agreement among the authors, the need for social change, can be worked towards. -Prof Deirdre Pretorius, Univeristy of Johannesburg

Cultivating Inclusive Practices in Contemporary K-12 Education - O'Connor Jr., Johnny R. 2018-10-12

Due to state and federal policies, there has been an increased emphasis on educating students with disabilities along with their nondisabled peers. This can significantly impact the way that educators view instructional design as well as influence the academic program planning of school districts. There is an apparent need for resources that provide additional insight and perspective into plans that facilitate these types of programs. Cultivating Inclusive Practices in Contemporary K-12

Education is an essential reference source that discusses comprehensive methods for teaching students across a broad spectrum of capabilities. The chapters within extend the knowledge base of inclusion by encompassing a variety of elements necessary for training and organizational development, ensuring that each student is placed within his/her least restrictive environment. Featuring research on topics such as educational environments, support frameworks, and teaching strategies, this book is ideally designed for educators, administrators, policymakers, consultants, and academicians seeking coverage on comprehensive methods for teaching students across a broad spectrum of capabilities.

Leap 4.0. African Perspectives on the Fourth Industrial Revolution
- Zamanzima Mazibuko-Makena 2021-04-09

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.

Innovation and Accountability in Teacher Education - Claire Wyatt-Smith
2018-10-24

This is the foundational book for the new series, Teacher Education, Learning Innovation and Accountability. The book canvasses research, practice and policy perspectives in teacher education across diverse geographic, social and political contexts. It explores the lifespan of teacher development from initial preparation through to graduate classroom practice as it occurs in an intensifying culture of standards

and regulation. The characterization of initial teacher education (ITE) in a crucible of change permeates throughout the book. The chapters open up new ways of thinking about innovation and accountability in ITE and the professionalization of teaching, exploring fundamental questions, such as "Who are the actors in teacher preparation and how do they interact? How can we learn about the quality of teacher education? Where can we hear the voices of teacher educators and preservice teachers, as well as school-based teacher educators? What are the new and emerging roles of others in teacher education who have not been involved previously, including employing authorities?" (p. 22). While the book provides responses to these and other provocative questions, it also offers new insights into innovative teacher education from a wide range of policy and practice contexts.

Reshaping Entrepreneurship Education With Strategy and Innovation - Ayandibu, Ayansola Olatunji 2020-10-02

New small business owners are constantly pressured to play a major role in the economic growth of their respected nation. However, revitalizing how individuals think, research, teach, and implement performance strategies to improve the operations of these small businesses is critical to entrepreneurial success. Reshaping Entrepreneurship Education With Strategy and Innovation is an essential reference source that discusses strategies to overcome performance barriers as well as implementation of effective entrepreneurial processes based on a wide range of global issues. Featuring research on topics such as authentic leadership, business ethics, and social entrepreneurship, this book is ideally designed for entrepreneurs, business professionals, scholars, researchers, students, and practitioners seeking coverage on innovative performance operations of small businesses.

Powder Technology - Alberto Adriano Cavalheiro 2018-09-26

Powder Technology comprehends several particulate solid systems, which must be controlled, from the nucleation stages to the final application of derivative materials. Powder characteristics depend on the synthesis method, which can be a simple solid-state reaction followed by attrition milling, mechanosynthesis, or chemical methods, such as the

sol-gel method. Powder technology is an important interdisciplinary area, which can provide solutions to several application fields. The book Powder Technology contains several peer-reviewed chapters organized in two sections. Section 1 is focused on metal and composites powders and Section 2 contains chapters on non-metallic powders. I sincerely hope that the contents of this book will help in the dissemination of knowledge to researchers and students working with powder technology.

Augmented Reality and Its Application - Dragan Cvetković 2022-03-16

Augmented Reality (AR) is a discipline that includes the interactive experience of a real-world environment, in which real-world objects and elements are enhanced using computer perceptual information. It has many potential applications in education, medicine, and engineering, among other fields. This book explores these potential uses, presenting case studies and investigations of AR for vocational training, emergency response, interior design, architecture, and much more.

Advances in Hydroinformatics - Philippe Gourbesville 2018-02-26

This book gathers a collection of extended papers based on presentations given during the SimHydro 2017 conference, held in Sophia Antipolis, Nice, France on June 14-16, 2017. It focuses on how to choose the right model in applied hydraulics and considers various aspects, including the modeling and simulation of fast hydraulic transients, 3D modeling, uncertainties and multiphase flows. The book explores both limitations and performance of current models and presents the latest developments in new numerical schemes, high-performance computing, multiphysics and multiscale methods, and better interaction with field or scale model data. It gathers the latest theoretical and innovative developments in the modeling field and presents some of the most advanced applications on various water related topics like uncertainties, flood simulation and complex hydraulic applications. Given its breadth of coverage, it addresses the needs and interests of practitioners, stakeholders, researchers and engineers alike.

Managing Human Resources - Ingrid Lorraine Potgieter 2022

This book volume crafts an exciting, original account on the changes and requirements on managing human resources within the context of the

new normal. Chapters in this book report on current research on the key constructs and processes underlying the management of human resources, both on an organisational strategic level as well as an individual employee level. Chapters compare current research trends in terms of future potential directions for the management of human resources within the context of the new normal. The book also critically evaluates the relevance, applicability and utility of the research findings and theoretical premises in various classical, current and potential emerging issues for research and practice in the smart digital technological world of work for human resource management. This volume approaches the concept of managing human resources with the new normal working context from a number of different angles. The authors have categorized them as conceptualizing human resource management in the context of the new normal (Part I), the critical issues in understanding the dynamics of strategic human resources management (Part II), critical issues in understanding the impact of the new normal on the psychology of employees (Part III), and the impact of the new normal on individuals with special needs (Part IV). The book ends in Part V of the volume, with an integrated reflection and conclusion on emerging issues for research and practice. The primary audience for this book volume is advanced undergraduate and postgraduate students in human resource management, as well as scholars in both academic and new normal working contexts. Human resource management practitioners will also have an interest in this book volume.

ECEL 2020 19th European Conference on e-Learning - Prof. Dr.-Ing. Carsten Busc, 2020-10-29

Born in Chains - Clinton Chauke 2018-05-15

What is it like to be born dirt-poor in South Africa? Clinton Chauke knows, having been raised alongside his two sisters in a remote village bordering the Kruger National Park and a squatter camp outside Pretoria. Clinton is a young village boy when awareness dawns of how poor his family really is: there's no theft in the village because there's

absolutely nothing to steal. But fire destroys the family hut, and they decide to move back to the city. There he is forced to confront the rough-and-tumble of urban life as a 'bumpkin'. He is Venda, whereas most of his classmates speak Zulu or Tswana and he has to face their ridicule while trying to pick up two or more languages as fast as possible. With great self-awareness, Clinton negotiates the pitfalls and lifelines of a young life: crime and drugs, football, religion, friendship, school, circumcision and, ultimately, becoming a man. Throughout it all, he displays determination as well as a self-deprecating humour that will keep you turning the pages till the end. Clinton's story is one that will give you hope that even in a sea of poverty there are those that refuse to give up and, ultimately, succeed.

Teacher Learning with Classroom Assessment - Heng Jiang 2018-04-19

This book discusses the interwoven themes of teacher learning and classroom assessment, highlighting the complexity and intricacy of these processes in a range of very different classroom contexts. The case studies demonstrate how classroom assessment is needed for teachers to learn about teaching and for them to be able to grow professionally and improve student learning. Although this volume is mainly situated in the unique and varied contexts of the Asia-Pacific region, it addresses the key issues of quality teaching, assessment, and accountability in a global context.

African Perspectives on Ethics for Healthcare Professionals - Nico Nortjé 2018-10-24

This book focuses on ethical issues faced by a variety of healthcare practitioners across the Anglophone African continent. This important resource contains in-depth discussions of the most salient current ethical issues by experts in various healthcare fields. Each profession is described from both an African and a South African perspective, and thus contributes to dialogue and critical thinking around African ethics and decision-making. In this way the book provides readers with an understanding of the ethical issues at hand in various professions, including the practical implications of the ethical issues and how to address those effectively. This is a beneficial resource for all those

involved in the various healthcare professions addressed in this book, including undergraduate students, lecturers, researchers and practitioners across the continent. Simply put, with the dynamic changes and challenges in healthcare across the globe and in Africa, this is an indispensable resource for healthcare practitioners.

Measuring Innovation Everywhere - Fred Gault 2020-07-31

This book is about measuring innovation, not just in the business sector but in every sector of the economy, using, for the first time, an internationally agreed general definition of innovation. The resulting indicators can be used to inform policy development, and offer a better understanding of the impact of the innovation policy of governments, the strategy of businesses and the practice of households, in a more digital economy. Innovation is a systems phenomenon and systems provide a structure throughout the book.

The Formation of Intellectual Capital and Its Ability to Transform Higher Education Institutions and the Knowledge Society -

Cardoso Espinosa, Edgar Oliver 2019-06-28

The knowledge society arises from the combination of four interdependent elements: the production of knowledge through research, its transmission through education, its dissemination through information and communication technologies, and its exploitation through innovation. For this reason, higher education institutions (HEIs) are the main component of the formation of intellectual capital because they are the key element of the knowledge society, so it is necessary that they continue to be the main source of the necessary skills that allow the increase of economic competitiveness, sustainability, and citizen welfare within the framework of quality education and equity. The Formation of Intellectual Capital and Its Ability to Transform Higher Education Institutions and the Knowledge Society is an essential research publication that provides systemic research on the formation of intellectual capital in higher education and its impact on the knowledge society. Highlighting topics such as educational programs, management strategy, and educational studies, this book is meant for educators, educational technologists, students, researchers, professionals, and

administrators.

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

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.

Beyond Imagination - Zamanzima Mazibuko 2018-12-28

Nanotechnology is sweeping the world. This science of very small particles, which includes genetic modification and the reconfiguring of the arrangement of atoms, presents possibilities beyond imagination. It also has huge implications for all South Africans, especially at home. How exactly is this new technology playing out in South Africa? In countries like India, nanotechnology is being supported as a source of income and innovation. It has the potential to improve both the human condition and a country's productivity and competitiveness. Is South Africa doing what it should and could to foster nanotechnology and biotechnology, and to advance bioeconomies within the country? And what does the new technology mean for us as consumers? How many of us know that this technology is already being employed in substances like suntan cream and lipstick, with potential health implications for users? The application of nanotechnology poses risks as well as huge benefits, so we need to be particularly vigilant of the ethics and dangers of it. This book provokes discussion around these important topics and relays eyeopening information to those of us who thought all of this was sci-fi.

Proceedings of SAI Intelligent Systems Conference (IntelliSys)

2016 - Yaxin Bi 2017-08-22

These proceedings of the SAI Intelligent Systems Conference 2016 (IntelliSys 2016) offer a remarkable collection of papers on a wide range of topics in intelligent systems, and their applications to the real world. Authors hailing from 56 countries on 5 continents submitted 404 papers to the conference, attesting to the global importance of the conference's themes. After being reviewed, 222 papers were accepted for presentation, and 168 were ultimately selected for these proceedings.

Each has been reviewed on the basis of its originality, novelty and rigorousness. The papers not only present state-of-the-art methods and valuable experience from researchers in the related research areas; they also outline the field's future development.

e-Infrastructure and e-Services for Developing Countries - Tegawendé F. Bissyande 2017-10-09

This book constitutes the thoroughly refereed proceedings of the 8th International Conference on e-Infrastructure and e-Services for Developing Countries, AFRICOMM 2016, held in Ouagadougou, Burkina Faso, in December 2016. The 44 papers were carefully selected from 57 submissions and cover topics such as: mobile and social networks; cloud, VPN and overlays; IoT, water, land, agriculture; networks, TVWS; learning; crypto and services.

Production, Properties, and Applications of High Temperature Coatings - Pakseresht, Amir Hossein 2018-01-12

Heat resistant layers are meant to withstand high temperatures while also protecting against all types of corrosion and oxidation. Therefore, the micro-structure and behavior of such layers is essential in understanding the functionality of these materials in order to make improvements. *Production, Properties, and Applications of High Temperature Coatings* is a critical academic publication which examines the methods of creation, characteristics, and behavior of materials used in heat resistant layers. Featuring coverage on a wide range of topics such as, thermal spray methods, sol-gel coatings, and surface nanoengineering, this book is geared toward students, academicians, engineers, and researchers seeking relevant research on the methodology and materials for producing effective heat resistant layers.

Global Cultural Economy - Christiaan De Beukelaer 2018-09-21

Global Cultural Economy critically interrogates the role cultural and creative industries play in societies. By locating these industries in their broader cultural and economic contexts, Christiaan De Beukelaer and Kim-Marie Spence combine their repertoires of empirical work across four continents to define the 'cultural economy' as the system of production, distribution, and consumption of cultural goods and services,

as well as the cultural, economic, social, and political contexts in which it operates. Each chapter introduces and discusses a different theme, such as inclusion, diversity, sustainability, and ownership, highlighting the tensions around them to elicit an active engagement with possible and provisional solutions. The themes are explored through case studies including Bollywood, Ghanaian music, the Korean Wave, Jamaican Reggae, and the UN Creative Economy Reports. Written with students, researchers, and policy-makers in mind, *Global Cultural Economy* is ideal for anyone interested in the creative and cultural industries, media and cultural studies, cultural policy, and development studies.

Systems Analysis Approach for Complex Global Challenges - Priscilla Mensah 2018-04-09

This book, which contains a collection of review articles as well as focus on evidence-based policy making, will serve as a valuable resource not just for all postgraduate students conducting research using systems analysis thinking but also for policy makers. To our knowledge, a book of this nature which also has a strong African focus is currently not available. The book examines environmental and socio-economic risks with the aim of providing an analytical foundation for the management and governance of natural resources, disasters, addressing climate change, and easing the technological and ecological transitions to sustainability. It provides scientific and strategic analysis to better understand the dynamics of future energy transitions, their main driving forces, enabling factors, barriers, as well as their consequences for the social, economic and environmental dimensions of human wellbeing. Science-based policy advice is achieved through an integrated assessment and modeling of how to simultaneously address the major energy policy challenges in the areas of environment (climate change and air pollution), energy poverty (or access to affordable and clean energy for the poor), energy security and reliability. It also aims to improve our understanding of ecosystems and their management in today's changing world—in particular, the current state of ecosystems, and their ecological thresholds and buffering capacities. It provides support for policy makers in developing rational, realistic and science-

based regional, national and global strategies for the production of fuel, food and fibre that sustain ecosystem services and safeguard food security. Finally, it addresses the human development dimension of global change based on comprehensive studies on the changing size and composition of human populations around the world by analyzing both their impacts and the differential vulnerabilities by age, gender and level of education.

ICEL 2018 13th International Conference on e-Learning - Professor Eunice Ivala 2018-07-05

ECKM 2018 19th European Conference on Knowledge Management - Ettore Bolisani 2018-09-06

Energy Technology 2018 - Ziqi Sun 2018-01-30

This collection focuses on energy efficient technologies including innovative ore beneficiation, smelting technologies, recycling and waste heat recovery. The volume also covers various technological aspects of sustainable energy ecosystems, processes that improve energy efficiency, reduce thermal emissions, and reduce carbon dioxide and other greenhouse emissions. Papers addressing renewable energy resources for metals and materials production, waste heat recovery and other industrial energy efficient technologies, new concepts or devices for energy generation and conversion, energy efficiency improvement in process engineering, sustainability and life cycle assessment of energy systems, as well as the thermodynamics and modeling for sustainable metallurgical processes are included. This volume also includes topics on CO₂ sequestration and reduction in greenhouse gas emissions from process engineering, sustainable technologies in extractive metallurgy, as well as the materials processing and manufacturing industries with reduced energy consumption and CO₂ emission. Contributions from all areas of non-nuclear and non-traditional energy sources, such as solar, wind, and biomass are also included in this volume. Papers from the following symposia are presented in the book: Energy Technologies and CO₂ Management Advanced Materials for Energy Conversion and

Storage Deriving Value from Challenging Waste Streams: Recycling and Sustainability Joint Session
Solar Cell Silicon Stored Renewable Energy in Coal

ICMLG 2018 6th International Conference on Management Leadership and Governance - Dr Vincent Ribiere 2018-05-24

These proceedings represent the work of researchers participating in the 6th International Conference on Management, Leadership and Governance (ICMLG 2018) which is being hosted this year by the Institute for Knowledge and Innovation Southeast Asia (IKI-SEA), a Centre of Excellence of at Bangkok University, Thailand on 24-25 May 2018.

Research Anthology on Collaboration, Digital Services, and Resource Management for the Sustainability of Libraries -

Management Association, Information Resources 2021-01-15

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.

Intelligent Data Engineering and Automated Learning - IDEAL 2018 - Hujun Yin 2018-11-08

This two-volume set LNCS 11314 and 11315 constitutes the thoroughly refereed conference proceedings of the 19th International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2018, held in Madrid, Spain, in November 2018. The 125 full papers presented were carefully reviewed and selected from 204 submissions. These papers provided a timely sample of the latest advances in data engineering and automated learning, from methodologies, frameworks and techniques to applications. In addition to various topics such as evolutionary algorithms, deep learning neural networks, probabilistic modelling, particle swarm intelligence, big data analytics, and applications in image recognition, regression, classification, clustering, medical and biological modelling and prediction, text processing and social media analysis.

ECSM 2019 6th European Conference on Social Media - 2019-06-13