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HARVEY ISAIAS

Chemistry for a Clean and Healthy Planet Legare Street Press

Social ecology is a philosophy rooted in deep-seated social problems, particularly in hierarchical political and social systems. Social ecologists throughout the world maintain a theory that present, ecological problems cannot be clearly understood, much less resolved, without resolutely dealing with problems within society. Therefore, social ecology locates the roots of these ecological crises firmly in the relations of domination between people. Sustainable Policy Applications for Social Ecology and Development establishes a new set of platforms for intellectual discourse and identification of critical and strategic emerging issues, the formulation of cogent and useful policies, and practice recommendations. This publication highlights provocative, but scholarly, views that diverge from the current "conventional wisdom" taking into consideration the concepts of robust competitiveness, sustainable entrepreneurship, and democratic capitalism, central to its philosophy and objectives. The aim of this book is to highlight emerging research and practice at the dynamic intersection of these fields, where individuals, organizations, industries, regions, and nations are harnessing creativity and invention to achieve and sustain growth.

Handbook of Research on Administration, Policy, and Leadership in Higher Education IGI Global

Light Metals—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Light Metals. The editors have built Light Metals—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Light Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Light Metals—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Achieving Full Realization and Mitigating the Challenges of the Internet of Things BRILL

These proceedings gather carefully selected, peer-reviewed contributions from the International

Conference on Pure and Applied Chemistry (ICPAC 2018). The event, the latest installment in a biennial conference series, was held in July 2018 in Mauritius. The respective chapters in this unique collection reflect a wide range of fundamental and applied research in the chemical sciences and various interdisciplinary subjects. In addition to reviews, they highlight cutting-edge advances.

Functionalized Nanomaterials Based Devices for Environmental Applications ScholarlyEditions

This series of books brings together results of an extensive research programme on aspects of the national systems of innovation (NSI) in the five BRICS countries — Brazil, Russia, India, China, and South Africa. It provides a comprehensive and comparative examination of the challenges and opportunities faced by these dynamic and emerging economies. In discussing the impact of innovation with respect to economic, geopolitical, socio-cultural, institutional, and technological systems, it reveals the possibilities of new development paradigms for equitable and sustainable growth. This volume, third in the series, looks at the relationship between small and medium enterprises (SMEs) and the National Systems of Innovation in the BRICS countries. It brings to fore crucial issues in the evolution and future trends of industrial or innovation policies for small firms: their scope, applicability, co-ordination, and main results, as well as the influence of macroeconomic, legal and regulatory environments. Taking into account the specificities and complexities of SMEs' production and innovation systems, it seeks to inform research, policy design and implementation in the field. Original and detailed data, together with expert analyses on wide-ranging issues, make this book an invaluable resource for researchers and scholars in economics, development studies and political science, in addition to policy makers and development practitioners interested in the BRICS countries.

Zukunft durch Informationstechnik IGI Global

Students who partook in the study displayed a positive perception of using messaging service applications in an educational environment. The textual interaction analysis indicates that students were able to successfully interact and use messaging services as educational supporting tool outside the classroom.

Information Systems Research and Exploring Social Artifacts: Approaches and Methodologies ScholarlyEditions

Environmental devices help in monitoring the collection of one or more measurements that are used to access the status of an environment. Today, environmental monitoring and analytical methods are among the most rapidly developing branches of analysis. The functionalization of nanomaterials in the field of environmental science has increasing importance with regards to the fabrication of

devices. Functionalized nanomaterials reformulate new materials and advanced characteristics for improved application in comparison to old fashion materials and open an opportunity for the development of devices for introducing new technology and techniques for monitoring environmental challenges. The monitoring of these environmental challenges in advances have direct impact on health and sustainability. Functionalized nanomaterials have different mechanical, absorption, optical or electrical properties than original nanomaterials. In fact, major utilization of nanomaterials occurs in their functionalized forms, which are very different from the parent material. This handbook provides an overview of the different state-of-the-art materials, devices and environmental applications of functionalized nanomaterials. In addition, the information offers a platform for ongoing research in the field of environmental science and device fabrication. The main objective of this book is to cover the major areas focusing on the functionalization of nanomaterials, device fabrication along with different techniques and environmental applications of functionalized nanomaterials-based devices. This is an important reference source for materials scientists, engineers and environmental scientists who are looking to increase their understanding of how functionalized nanomaterial-based devices are being used for environmental monitoring applications. Helps the reader to understand the basic principles of functionalization of nanomaterials Highlights fabrication and characterization methods for functionalized nanomaterials-based environmental monitoring devices Assesses the major challenges of creating devices using functionalized nanomaterials on a mass scale

ICT Education Springer Nature

Alkalies: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Alkalies. The editors have built Alkalies: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Alkalies in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Alkalies: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

The Use of Messaging Service Applications as an Educational Support Tool in Higher Education Institutions Margret Schneider

The design and study of materials is a pivotal component to new discoveries in the various fields of science and technology. By better understanding the components and structures of materials, researchers can increase its applications across different industries. Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications is a compendium of the latest academic material on investigations, technologies, and techniques pertaining to analyzing the synthesis and design of new materials. Through its broad and extensive coverage on a variety of crucial topics, such as nanomaterials, biomaterials, and relevant computational methods, this multi-volume work is an essential reference source for engineers, academics, researchers, students,

professionals, and practitioners seeking innovative perspectives in the field of materials science and engineering.

IGI Global

Across a variety of disciplines, data and statistics form the backbone of knowledge. To ensure the reliability and validity of data, appropriate measures must be taken in conducting studies and reporting findings. Research Methods: Concepts, Methodologies, Tools, and Applications compiles chapters on key considerations in the management, development, and distribution of data. With its focus on both fundamental concepts and advanced topics, this multi-volume reference work will be a valuable addition to researchers, scholars, and students of science, mathematics, and engineering.

Advances in Computer, Information, and Systems Sciences, and Engineering EuroScicon

This book reviews some of the latest developments in the field of water treatment using multi-functional chitosan-based materials. It covers the production of chitosan beads and membranes from chitosan powder, as well as modification techniques for enhancing the material for commercial and industrial purposes. The book summarizes the results of experimental adsorption/desorption studies for elucidating the underlying reaction mechanism of heavy-metal removal from wastewater, presenting an advanced overview of an array of characterization techniques such as Fourier-transform infrared spectroscopy, thermogravimetric analysis, x-ray diffraction, and scanning electron microscopy. Additionally, it features a look at the development and application of specialized engineering software and image analysis for modelling the kinetics of adsorption. This book is ideal for scientists and engineers working in the broader field of environmental materials science. It is all well suited for chemists, as well as industrial and civil engineers, interested in wastewater treatment and mitigation of water pollution

Additive Manufacturing: Materials, Processes, Quantifications and Applications Efe Akademi Yayınları

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

Enhancing Art, Culture, and Design With Technological Integration Academic Conferences Limited

This work has been selected by scholars as being culturally important and is part of the knowledge

base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Predictive Intelligence Using Big Data and the Internet of Things Emerald Group Publishing

This book comprehensively reviews the key topics in the area of nanocomposites and hybrid materials used for waste water treatment and purification. It covers materials chemistry, various synthesis approaches and properties of these nanomaterials for the different water purification techniques. It provides new direction to the readers to better understand the chemistry behind these materials and the methods to improve their properties. This book will be a very valuable reference source for graduates and postgraduates, engineers, research scholars (primarily in the field of material science, water, nanoscience and nanotechnology), material scientists, researchers in the water-related area, scientists working in water treatment plants and pollution mitigation industries. *Contextualised Critical Reflections on Academic Development Practices* ScholarlyEditions
Issues in Biotechnology and Medical Technology Research and Application: 2011
EditionScholarlyEditions

Light Metals—Advances in Research and Application: 2012 Edition Springer

The conference proceedings of: International Conference on Industrial Electronics, Technology & Automation (IETA 05) International Conference on Telecommunications and Networking (TeNe 05) International Conference on Engineering Education, Instructional Technology, Assessment, and E-learning (EIAE 05) include a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of: Industrial Electronics, Technology and Automation, Telecommunications, Networking, Engineering Education, Instructional Technology and e-Learning. The three conferences, (IETA 05, TENE 05 and EIAE 05) were part of the International Joint Conference on Computer, Information, and System Sciences, and Engineering (CISSE 2005). CISSE 2005, the World's first Engineering/Computing and Systems Research E-Conference was the first high-caliber Research Conference in the world to be completely conducted online in real-time via the internet. CISSE received 255 research paper submissions and the final program included 140 accepted papers, from more than 45 countries. The whole concept and format of CISSE 2005 was very exciting and ground-breaking. The powerpoint presentations, final paper manuscripts and time schedule for live presentations over the web had been available for 3 weeks prior to the start of the conference for all registrants, so they could pick and choose the presentations they want to attend and think about questions that they might want to ask. The live audio presentations were also recorded and are part of the permanent CISSE archive, which includes all power point presentations, papers and recorded presentations. All aspects of the conference were managed on-line; not only the reviewing, submissions and registration processes; but also the actual conference. Conference participants - authors, presenters and attendees - only needed an internet connection and sound

available on their computers in order to be able to contribute and participate in this international ground-breaking conference. The on-line structure of this high-quality event allowed academic professionals and industry participants to contribute work and attend world-class technical presentations based on rigorously refereed submissions, live, without the need for investing significant travel funds or time out of the office. Suffice to say that CISSE received submissions from more than 50 countries, for whose researchers, this opportunity presented a much more affordable, dynamic and well-planned event to attend and submit their work to, versus a classic, on-the-ground conference. The CISSE conference audio room provided superb audio even over low speed internet connections, the ability to display PowerPoint presentations, and cross-platform compatibility (the conferencing software runs on Windows, Mac, and any other operating system that supports Java). In addition, the conferencing system allowed for an unlimited number of participants, which in turn granted CISSE the opportunity to allow all participants to attend all presentations, as opposed to limiting the number of available seats for each session. The implemented conferencing technology, starting with the submission & review system and ending with the online conferencing capability, allowed CISSE to conduct a very high quality, fulfilling event for all participants. See: www.cissee2005.org, sections: IETA, TENE, EIAE

Nanohybrid Materials for Water Purification Springer Nature

As technology becomes an important part of human-computer interaction, improving the various conceptual models and understanding of technological interfaces in design becomes essential. *Enhancing Art, Culture, and Design With Technological Integration* provides emerging research on the methods and techniques of technology to advance and improve design and art. While highlighting topics such as augmented reality, culture industry, and product development, this publication explores the applications of technology in online creation and learning. This book is an important resource for academics, graphic designers, computer engineers, practitioners, students, and researchers seeking current research on observations in technological advancement for culture and society.

Software Engineering Application in Informatics John Wiley & Sons

Technology affects all areas. Business and government processes are changing with the use of the internet, mobile devices, internet of things, blockchain, machine learning, artificial intelligence and many other new technologies. In this book, it is aimed to focus the use of technology, new trends in business life and government covering the studies in all sub-areas of Information Systems, Knowledge Management, eBusiness, eCommerce, eMarketing, mCommerce, eGovernment, ePublic Services, eGovernance etc. The book consists of 7 chapters. Book chapter authors are reputable scientists from different countries of the world. The first chapter is a critical review and a case study in e-Business, with special attention to the digital currencies resource and its possibilities. The second chapter attempts to incorporate the Unified Theory of Acceptance and Use of Technology (UTAUT) model with perceived risk theory (security risk and privacy risk) to explore its impact towards the intention to use m-government services. The third chapter aims to assess the level of gender inclusivity in the municipal e-procurement processes in the City of Johannesburg as a case study. The fourth chapter examines the impediments that derail the intensive uptake of eLearning programmes in a particular higher education institution. The fifth chapter investigated the role of

Knowledge Management Systems (KMS) in enhancing the export performance of firms operating within the manufacturing sector in Zimbabwe. In the sixth chapter, a survey was undertaken on 131 small and medium-sized enterprises (SMEs) from Pelagonija region in order to determine the current level of SME digitalization within the region. It is aimed to compare with European Union (EU) average and to make conclusions on the impact of the SME digitalization to region gross domestic product (GDP) growth as well as revenues collection. The last chapter's purpose was to develop a measuring and modelling framework/instrument of Internet banking service quality (IBSQ) for the South African banking sector.

Modified Nanomaterials for Environmental Applications IGI Global

Biotechnological Applications of Biomass provides a comprehensive overview of the current state of the art of biomass utilization in agriculture and pharmaceuticals. The information contained herein is useful to researchers and other readers interested in biomass utilization and production of bioproducts.

Issues in Biotechnology and Medical Technology Research and Application: 2011 Edition BoD - Books on Demand

This book constitutes the first part of refereed proceedings of the 5th Computational Methods in Systems and Software 2021 (CoMeSySo 2021). The CoMeSySo 2021 Conference is breaking the barriers, being held online. CoMeSySo 2021 intends to provide an international forum for the discussion of the latest high-quality research results. The software engineering, computer science,

and artificial intelligence are crucial topics for the research within an intelligent systems problem domain.

Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications IGI Global

The proceeding is a collection of research papers presented at the International Colloquium on Sports Science, Exercise, Engineering and Technology (ICoSSEET2014), a conference dedicated to address the challenges in the areas of sports science, exercise, sports engineering and technology including other areas of sports, thereby presenting a consolidated view to the interested researchers in the aforesaid fields. The goal of this conference was to bring together researchers and practitioners from academia and industry to focus on the scope of the conference and establishing new collaborations in these areas. The topics of interest are as follows but are not limited to:1.

Sports and Exercise Science • Sports Nutrition • Sports Biomechanics • Strength and Conditioning • Motor Learning and Control • Sports Psychology • Sports Coaching • Sports and Exercise Physiology • Sports Medicine and Athletic Trainer • Fitness and Wellness • Exercise Rehabilitation • Adapted Physical Activity / Disability Sport • Physical Education • Dance, Games and Play 2. Sports Engineering and Technology Application • Sports Equipment Mechanics • Athlete Analysis and Measurement • Instrumentation and Measurement in Sports • Fluid Dynamics in Sports • Computational Modeling in Sports 3. Sports Industry and Management • Sports Event • Sports Management • Sports Tourism • Sports Marketing • Sports Ethics and Law • Sports Sociology • Outdoor and Recreation Management • Inclusive Recreation • Leisure