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Business transactions and partnerships across borders have become easier than ever due to globalization and global digital connectivity. As part of this shift in the business sphere, managers, executives, and strategists across industries must acclimate themselves with the challenges and opportunities for conducting business globally. *International Business: Concepts, Methodologies, Tools, and Applications* presents the latest research innovations focusing on cross-cultural communications and training, international relations, multinational enterprises, outsourcing, international business strategies, and competitive advantage in the global marketplace. This publication is an exhaustive multi-volume work essential to academic and corporate libraries who serve researchers, scholars, business executives and professionals, and graduate-level business students.

The evolution of industrial development since the 18th century is now experiencing the fourth industrial revolution. The effect of the development has propagated into almost every sector of the industry. From inventory to the circular economy, the effectiveness of technology has been fruitful for industry. The recent trends in research, with new ideas and methodologies, are included in this book. Several new ideas and business strategies are developed in the area of the supply chain management, logistics, optimization, and forecasting for the improvement of the economy of the society and the environment. The proposed technologies and ideas are either novel or help modify several other new ideas. Different real life problems with different dimensions are discussed in the book so that readers may connect with the recent issues in society and industry. The collection of the articles provides a glimpse into the new research trends in technology, business, and the environment.

is an eBook to give higher education to people by giving them excellent schools' URLs around the world. The parents and students deserve to know, before they enroll, that the schools they've chosen will deliver the value by helping students compare the value offered by colleges and on holding institutions accountable for preparing their students to be successful. 10000 International & American Colleges and Universities will help you anywhere you go; it is a quick and easy reference tool that has just the Colleges and Universities with URL you want to check out! Just remember one thing that learning never stops! Read, Read, Read! And Write, Write, Write!

Although the information and communication technology (ICT) industry accounted for only 2 percent of global greenhouse gas emissions in 2007, the explosive increase in data traffic brought about by a rapidly growing user base of more than a billion wireless subscribers is expected to nearly double that number by 2020. It is clear that now is the time to rethink how we design and build our networks. *Green Networking and Communications: ICT for Sustainability* brings together leading academic and industrial researchers from around the world to discuss emerging developments in energy-efficient networking and communications. It covers the spectrum of research subjects, including methodologies and architectures for energy efficiency, energy-efficient protocols and networks, energy management, smart grid communications, and communication technologies for green solutions. Examines foraging-inspired radio-communication energy management for green multi-radio networks Considers a cross-layer approach to the design of energy-efficient wireless access networks Investigates

the interplay between cooperative device-to-device communications and green LTE cellular networks Considers smart grid energy procurement for green LTE cellular networks Details smart grid networking protocols and standards Considering the spectrum of energy-efficient network components and approaches for reducing power consumption, the book is organized into three sections: Energy Efficiency and Management in Wireless Networks, Cellular Networks, and Smart Grids. It addresses many open research challenges regarding energy efficiency for IT and for wireless sensor networks, including mobile and wireless access networks, broadband access networks, home networks, vehicular networks, intelligent future wireless networks, and smart grids. It also examines emerging standards for energy-efficient protocols. Since ICT technologies touch on nearly all sectors of the economy, the concepts presented in this text offer you the opportunity to make a substantial contribution to the reduction of global greenhouse gas emissions.

This volume contains the selected papers resulting from the 7th Annual International Workshop on Materials Science and Engineering, and is focusing on the following six aspects: 1. Various Materials Properties, Processing, and Manufactures; 2. Multifunctional Materials Properties, Processing, and Manufactures; 3. Nanomaterials and Biomaterials; 4. Civil Materials and Sustainable Environment; 5. Electrochemical Valuation, Fracture Resistance, and Assessment; 6. Designs Related to Materials Science and Engineering. This proceeding presents and discusses key concepts and analyzes the state-of-the-art of the field. IWMSE 2021 is an academic conference in a series held once per year. The conference not only provides insights on materials science and engineering, but also affords conduit for future research in these fields. It provides opportunities for the delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration.

This Research Handbook offers contextualized perspectives on entrepreneurship in emerging economies. Emphasizing how national context profoundly shapes incentives for entrepreneurial efforts, chapters dissect the opportunities emerging from various institutions and social practices from the Middle East, North and Sub-Saharan Africa, Asia and Latin America. This Handbook is an ideal guide for researchers working on emerging economies, particularly those with an interest in global entrepreneurship. The ever-increasing awareness and growing focus on environmental issues such as climate change and energy use is bringing about an urgency in expanding research to provide possible solutions to these problems. Through current engineering research and emerging technologies, scientists work to combat modern environmental and ecological problems plaguing the globe. Advanced Methodologies and Technologies in Engineering and Environmental Science provides emerging research on the current and forthcoming trends in engineering and environmental sciences to resolve several issues plaguing researchers such as fossil fuel emission and climate change. While highlighting these challenges, including chemical toxicity environmental responsibility, readers will learn how engineering applications can be used across disciplines to aid in reducing environmental hazards. This book is a vital resource for engineers, researchers, professors, academicians, and environmental scientists seeking current research on how engineering tools and technologies can be applied to environmental issues.

Mobile ad-hoc networks must be rapidly interoperable, customizable, and quick to adapt to the latest technological advances. *Technological Advancements and Applications in Mobile Ad-Hoc Networks: Research Trends* offers a current look into the latest research in the field, frameworks for development, and future directions. As mobile networks become more complex, it is vital for researchers, practitioners, and academics alike to stay abreast within the ever-burgeoning field. With a wide range of applications, theories, and use across industrial, commercial, and domestic settings, mobile ad-hoc networks are a topic of vital discussion, and this volume offers the cutting edge developments with contributions from around the world.

Heat Transport in Micro- and Nanoscale Thin Films presents aspects and applications of the principle methods of heat transport in relation to nanoscale films. Small-scale parts and thin films are widely used in the electronics industry. However, the drastic change in the thermal conductivity with reducing device size and film thickness modifies the energy transport by heat-carrying phonons in the film. Energy transfer in small-sized devices and thin films deviate from the classical diffusion to radiative transport. This book deals with micro/nano scale heat transfer in small scale devices and the thin films, including interface properties of cross-plane transport. The book fills the gap between applications of the physical fundamentals and energy transport at the micro- and nano scale, which will be valuable for academics, researchers and students in the fields of materials science and energy transport. Offers a specialist focus on nanoscale thin films, allowing the reader to create more efficient heat transfer systems. Includes in-depth coverage of the formulation of transient energy transport for short durations of heating, which is valuable those working in electronics. Focuses on applications and real-life case studies to clearly illustrate how the theories explained in the book can be used in industry.

This book addresses the needs of researchers on the fundamental level as well as those with more advanced knowledge of microgrids and their evolution. This book covers newly emerging trends in fields such as computer science, energy, electrical engineering, and electronics and brings the reader current on the newly emerging fields that play an important role in the power infrastructure. *Microgrids: Design, Challenges, and Prospects* provides knowledge on decision making for newly evolving trends in microgrid design. It discusses techniques on how to improve the existing power quality and reduce load shedding and power imbalances. The book presents the emerging fields such as data science, machine learning, AI, and IT that now play an important role in microgrid design. The readership includes: researchers, academia, practicing engineers, consumers, power companies, and policy makers located across the globe. Developing countries are persistently looking for efficient and cost-effective methods for transforming their communities into smart cities. Unfortunately, energy crises have increased in these regions due to a lack of awareness and proper utilization of technological methods. These communities must explore and

implement innovative solutions in order to enhance citizen enrollment, quality of government, and city intelligence. IoT Architectures, Models, and Platforms for Smart City Applications provides emerging research exploring the theoretical and practical aspects of transforming cities into intelligent systems using IoT-based design models and sustainable development projects. This publication looks at how cities can be built as smart cities within limited resources and existing advanced technologies. Featuring coverage on a broad range of topics such as cloud computing, human machine interface, and ad hoc networks, this book is ideally designed for urban planners, engineers, IT specialists, computer engineering students, research scientists, academicians, technology developers, policymakers, researchers, and designers seeking current research on smart applications within urban development.

Engineering Challenges for Sustainable Future contains the papers presented at the 3rd International Conference on Civil, Offshore & Environmental Engineering (ICCOEE2016, Kuala Lumpur, Malaysia, 15-17 August 2016), under the banner of World Engineering, Science & Technology Congress (ESTCON2016). The ICCOEE series of conferences started in Kuala Lumpur, Malaysia 2012, and the second event of the series took place in Kuala Lumpur, Malaysia 2014. This conference series deals with the civil, offshore & environmental engineering field, addressing the following topics: • Environmental and Water Resources Engineering • Coastal and Offshore Engineering • Structures and Materials • Construction and Project Management • Highway, Geotechnical and Transportation Engineering and Geo-informatics This book is an essential reading for academic, engineers and all professionals involved in the area of civil, offshore and environmental engineering.

It is also essential to study the success of technology use in some of the advanced nations in the Asian region that promote a smarter and well-advanced community. A smarter community in these regions can only be materialized by adopting the latest trends in technology to improve quality of life. Some of these regions need a great emphasis on technology adoption for women empowerment and safety, promoting better health with telemedicine facilities, environment, and disaster prevention with IoT technologies, water treatment and sanitation, and addressing food scarcity issues with smarter precision agriculture. Ultimately, there needs to be more research focused on a smarter and secured community in the Asian region in terms of cultural and socioeconomic factors and technology advancements. ICT Solutions for Improving Smart Communities in Asia explores new possibilities using digital solutions and technologies to create collaborative and smarter communities for advancement in agriculture, the health sector, education centers, human resources, and administrative domains, as well as other areas to improve the overall living standards of people at the community level. This book will cover two main areas: the need for technology development in developing nations, mainly focusing on Asia, and the adoption of some of the advanced regions in Asia as role models for the less developed SAARC regions

explicitly. This book is ideally intended for researchers, academicians, IT specialists, regional developers, government officials, practitioners, academicians, and students.

This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Engineering Education, Instructional Technology, Assessment, and E-learning. The book presents selected papers from the conference proceedings of the International Conference on Engineering Education, Instructional Technology, Assessment, and E-learning (EIAE 2006). All aspects of the conference were managed on-line.

From driverless cars to vehicular networks, recent technological advances are being employed to increase road safety and improve driver satisfaction. As with any newly developed technology, researchers must take care to address all concerns, limitations, and dangers before widespread public adoption. *Transportation Systems and Engineering: Concepts, Methodologies, Tools, and Applications* addresses current trends in transportation technologies, such as smart cars, green technologies, and infrastructure development. This multivolume book is a critical reference source for engineers, computer scientists, transportation authorities, students, and practitioners in the field of transportation systems management.

Nausherwan Hasan, a professional engineer who grew up in Pakistan before immigrating to the United States of America, recalls his journey from the East to the West. From an early age, he learned how to deal with challenges when his family was forced to migrate to Pakistan following the partition of India in 1947—a history he revisits in this autobiography. His father had to adjust to a new reality but met it head on with hard work and faith. Hasan shares how he made his way to America and joined Ebasco, which was formed by General Electric in 1905. There, he had the opportunity to work on a range of nuclear power plants, hydro facilities and infrastructure projects. The author, who was nicknamed Nash, worked there his entire career—lasting over 44 years.. Hasan also reflects on surviving two bombings on the World Trade Center, his love affair with New York City, while sharing stories of his work and his family and the many lessons he learned about pursuing happiness

This book aims to provide relevant theoretical frameworks and the latest empirical research findings in Internet of Things (IoT) in Management Science and Operations Research. It starts with basic concept and present cases, applications, theory, and potential future. The contributed chapters to the book cover wide array of topics as space permits. Examples are from smart industry; city; transportation; home and smart devices. They present future applications, trends, and potential future of this new discipline. Specifically, this book provides an interface between the main disciplines of engineering/technology and the organizational, administrative, and planning capabilities of managing IoT. This book deals with the implementation of latest IoT research findings in practice at the global economy level, at networks and organizations, at teams and work groups and, finally, IoT at the level of players in the networked environments. This book is intended for professionals in the field of engineering, information science, mathematics, economics, and researchers who wish to develop new skills in IoT, or who employ the IoT discipline as part of their work. It will improve their understanding of the strategic role of IoT at various levels of the information and knowledge organization. The book is complemented by a second volume of the same editors with practical cases.

Economic challenges are becoming very difficult to manage throughout the world, and entrepreneurship can play a key role in handling these new realities. Due to this, academic

institutions must update their study programs and knowledge, modernize their curricula, and integrate research activities in their degree programs that encompass topics about and related to entrepreneurship. *Developing Entrepreneurial Ecosystems in Academia* provides implications, best practices, and approaches for countries to improve their economic systems using entrepreneurship and increasing entrepreneurial education. As the world population is expanding and resources are shrinking, it creates a challenging environment for people in low-income and transition economies, as well as developed countries. This book discusses entrepreneurship and entrepreneurial education as a potential solution and critical concept. Covering a range of topics such as financial education and entrepreneurial management, it is ideal for instructors, academicians, researchers, practitioners, business professionals, policymakers, and students.

Original research on performance of materials under a wide variety of blasts, impacts, severe loading and fire. Critical information for protecting buildings and civil infrastructure against human attack, deterioration and natural disasters. Test and design data for new types of concrete, steel and FRP materials. This technical book is devoted to the empirical and theoretical analysis of how structures and the materials constituting them perform under the extreme conditions of explosions, fire, and impact. Each of the 119 fully refereed presentations is published here for the first time and was selected because of its original contribution to the science and engineering of how materials, bridges, buildings, tunnels and their components, such as beams and pre-stressed parts, respond to potentially destructive forces. Emphasis is placed on translating empirical data to design recommendations for strengthening structures, including strategies for fire and earthquake protection as well as blast mitigation. Technical details are provided on the development and behavior of new resistant materials, including reinforcements, especially for concrete, steel and their composites.

New information and strategies for managing the energy crisis from the perspective of growing economies are presented. Numerous case studies illustrate the particular challenges that developing countries, many of which are faced with insufficient resources, encounter. As a result, many unique strategies to the problems of energy management and conservation, environmental engineering, clean technologies, biological and chemical waste treatment and waste management have been developed.

This book summarizes all different fields of cotton fiber, including genetics, fiber chemistry, soft materials, textile, and fashion engineering. It also contains some new applications such as biomaterials, nanocoated smart fabrics, and functional textiles. Moreover, the significant improvement recently in gene modification and gene technology is introduced. This book discusses all these aspects in a more straightforward way, and new illustrations will help readers to understand the contents. It is intended for undergraduate and graduate students who are interested in cotton science and processing technologies, researchers investigating the updated applications of cotton in various fields as well as industrialists who want to have a quick review of the cotton and its different stages.

Presents the university website with links to faculties, departments, admission, affiliated colleges, fees, charges, job opportunities, quality policy, academic programmes and calendar, central library, administration, news, events, student affairs, alumni, symposium, seminar, general information about the university.

The book presents a series of articles devoted to modeling, simulation, and optimization of processes, mainly chemical. General methods for process modeling and numerical simulation are described with flowsheeting. Population balances are addressed in detail with application to crystal production; energy saving is frequently optimized, including exergy analysis. The coupling between process simulation and computational fluid dynamics is studied for air classification and bubble columns. Pressure swing

adsorption, reactive distillation, and nanofiltration are explained in general and applied to particular processes. The synthesis of carbon dots is solved by the design of experiments method. A safety study addresses the consequences of gas explosion.

Even though blockchain technology was originally created as a ledger system for bitcoin to operate on, using it for areas other than cryptocurrency has become increasingly popular as of late. The transparency and security provided by blockchain technology is challenging innovation in a variety of businesses and is being applied in fields that include accounting and finance, supply chain management, and education. With the ability to perform such tasks as tracking fraud and securing the distribution of medical records, this technology is key to the advancement of many industries.

The **Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government** is a vital reference source that examines the latest scholarly material on trends, techniques, and uses of blockchain technology applications in a variety of industries, and how this technology can further transparency and security. Highlighting a range of topics such as cryptography, smart contracts, and decentralized blockchain, this multi-volume book is ideally designed for academics, researchers, industry leaders, managers, healthcare professionals, IT consultants, engineers, programmers, practitioners, government officials, policymakers, and students.

This book aims at offering a unique collection of ideas and experiences mainly focusing on the main streams and merger of Artificial Intelligence (AI) and the Internet of Things (IoT) for a wide slice of the communication and networking community. In the era when the world is grappling with many unforeseen challenges, scientists and researchers are envisioning smart cyber systems that guarantee sustainable development for a better human life. The main contributors that destined to play a huge role in developing such systems, among others, are AI and IoT. While AI provides intelligence to machines and data by identifying patterns, developing predictions, and detecting anomalies, IoT performs as a nerve system by connecting a huge number of machines and capturing an enormous amount of data. AI-enabled IoT, therefore, redefines the way industries, businesses, and economies function with increased automation and efficiency and reduced human interaction and costs. This book is an attempt to publish innovative ideas, emerging trends, implementation experience, and use-cases pertaining to the merger of AI and IoT. The primary market of this book is centered around students, researchers, academicians, industrialists, entrepreneurs, and professionals working in electrical/computer engineering, IT, telecom/electronic engineering, and related fields. The secondary market of this book is related to individuals working in the fields such as finance, management, mathematics, physics, environment, mechatronics, and the automation industry.

Proceedings of the Third International Conference on Advanced Composite Materials and Technologies for Aerospace Applications held on May 13-16, 2013, Wrexham, North Wales, United Kingdom

This first volume in the Mosharaka for Research and Studies International Conference

Proceedings series (P-MIC) contains peer-reviewed papers presented at the 1st International Congress on Engineering Technologies (EngiTek 2020). This event was held remotely on 16-18 June 2020, and hosted by the Faculty of Engineering, Jordan University of Science & Technology (Irbid, Jordan). The conference represented a major forum for professors, students, and professionals from all over the world to present their latest research results, and to exchange new ideas and practical experiences in the most cutting-edge areas of the field of engineering technologies. Topics covered include electrical engineering, computer science and electronics. Innovations and Advances in Computer Sciences and Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. Innovations and Advances in Computer Sciences and Engineering includes selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2008) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2008).

Computerisation of Examination Department of NED University of Engineering and Technology, Karachi, Pakistan
Developing Entrepreneurial Ecosystems in Academia
IGI Global

In October 2003 the U.S. Agency for International Development (USAID) and the National Research Council (NRC) entered into a cooperative agreement. The agreement called for the NRC to examine selected aspects of U.S. foreign assistance activities—primarily the programs of the USAID—that have benefited or could benefit from access to strong science, technology, and medical capabilities in the United States or elsewhere. After considering the many aspects of the role of science and technology (S&T) in foreign assistance, the study led to the publication of *The Fundamental Role of Science and Technology in International Development*. In the book special attention is devoted to partnerships that involve the USAID together with international, regional, U.S. governmental, and private sector organizations in fields such as health care, agriculture and nutrition, education and job creation, and energy and the environment. This book explores specific programmatic, organizational, and personnel reforms that would increase the effective use of S&T to meet the USAID's goals while supporting larger U.S. foreign policy objectives.

This book describes capacity building in strategic and non-strategic machine tool technology. It includes machine building in sectors such as machine tools, automobiles, home appliances, energy, and biomedical engineering, along with case studies. The book offers guidelines for capacity building in academia, covering how to promote enterprises of functional reverse engineering enterprises. It also discusses machine tool development, engineering design, prototyping of strategic, and non-strategies machine tools, as well as presenting communication strategies and IoT, along with case studies. Professionals from the CNC (Computer Numeric Control) machine tools industry, industrial and

manufacturing engineers, and students and faculty in engineering disciplines will find interest in this book.

Thin films are important in many of the technologies used every day, impacting major markets for energy, medicine, and coatings. Scientists and engineers have been producing thin films on a wide range of surfaces for many decades but now have begun to explore giving these films new and controlled structures at the nanometer scale. These efforts are part of the new horizons opened by the field of nanoscience and impart novel structures and properties to these thin films. This book covers some of the methods for making these nanostructured thin films and their applications in areas impacting on health and energy usage.

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