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Impacts of U.S. Export Control Policies on Science and Technology Activities and Competitiveness Mar 25 2020

Universal Access in Human-Computer Interaction. Users and Context Diversity Jan 03 2021 The three-volume set LNCS 9737-9739 constitutes the refereed proceedings of the 10th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2016, held as part of the 10th International Conference on Human-Computer Interaction, HCII 2016, in Toronto, ON, Canada in July 2016, jointly with 15 other thematically similar conferences. The total of 1287 papers presented at the HCII 2016 conferences were carefully reviewed and selected from 4354 submissions. The papers included in the three UAHCI 2016 volumes address the following major topics: novel approaches to accessibility; design for all and eInclusion best practices; universal access in architecture and product design; personal and collective informatics in universal access; eye-tracking in universal access; multimodal and natural interaction for universal access; universal access to mobile interaction; virtual reality, 3D and universal access; intelligent and assistive environments; universal access to education and learning; technologies for ASD and cognitive disabilities; design for healthy aging and rehabilitation; universal access to media and games; and universal access to mobility and automotive.

BiCMOS Technology and Applications Dec 14 2021 BiCMOS Technology and Applications, Second Edition provides a synthesis of available knowledge about the combination of bipolar and MOS transistors in a common integrated circuit - BiCMOS. In this new edition all chapters have been updated and completely new chapters on emerging topics have been added. In addition, BiCMOS Technology and Applications, Second Edition provides the reader with a knowledge of either CMOS or Bipolar technology/design a reference with which they can make educated decisions regarding the viability of BiCMOS in their own application. BiCMOS Technology and Applications, Second Edition is vital reading for practicing integrated circuit engineers as well as technical managers trying to evaluate business issues related to BiCMOS. As a textbook, this book is also appropriate at the graduate level for a special topics course in BiCMOS. A general knowledge in device physics, processing and circuit design is assumed. Given the division of the book, it lends itself well to a two-part course; one on technology and one on design. This will provide advanced students with a good understanding of tradeoffs between bipolar and MOS devices and circuits.

Web Technologies and Applications May 19 2022 This book constitutes the refereed proceedings of the 17th Asia-Pacific Conference APWeb 2015 held in Guangzhou, China, in September 2015. The 67 full papers and presented together with 3 industrial track papers and 7 demonstration track papers were carefully reviewed and selected from 146 submissions. The papers cover a wide spectrum of Web-related data management problems, and provide a thorough view on the rapid advances of technical solutions.

Times of Convergence. Technologies Across Learning Contexts Nov 25 2022 The European Conference on Technology-Enhanced Learning (EC-TEL 2008) was the third event of a series that started in 2006. The two first editions were organized by Pro- Learn (<http://www.prolearn-project.org/>), a European Network of Excellence. In 2008, several members of Kaleidoscope, the other European Network of Excellence (<http://www.noe-kaleidoscope.org/pub/>), joined as co-chair, committee members, reviewers and authors. These two networks are no longer funded, but our aim was to turn EC-TEL into a sustainable series of high-quality events and thereby to contribute to the scientific landscape of technology-enhanced learning. A new network, named STELLAR, will be launched in 2009, with members from both existing networks as well as new members and will support the future editions of this conference. The scope of EC-TEL 2008 covered the different fields of learning technologies: e- cation, psychology, computer science. The contributions in this volume address the - sign of innovative environments, computational models and architectures, results of empirical studies on socio-cognitive processes, field studies regarding the use of te- nologies in context, collaborative processes, pedagogical scenarios, reusable learning objects and emerging objects, groups and communities, learning networks, interaction analysis, metadata, personalization, collaboration scripts, learning adaptation, collabo- tive environments, resources, tangible tools, as well as learning management systems.

Industry, Trade, and Technology Review Sep 30 2020

Energy Technology 2023 Oct 12 2021 Clean and sustainable energy is of paramount importance for industrial activities, economic development, environment, and public welfare. Aiming to reach NetZero, researchers in both academia and industry as well as policymakers are now putting tremendous efforts into the generation, storage, and applications of clean energy. This collection focuses on new and efficient energy technologies including innovative ore beneficiation, smelting technologies, recycling and waste heat recovery, and 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 intensity and pollutants, and reduce carbon dioxide and other greenhouse emissions. Topics include, but are not limited to:• Energy efficient technologies for minerals, metals & materials processing • Clean energy technologies, such as biomass, solar, wind, geothermal, nuclear including SMRs, hydrogen, etc. • Renewable energy resources to reduce the consumption of traditional fossil fuels • Emerging technologies for renewable energy harvesting, conversion, and storage • New concepts or devices for energy generation, conversion, and distribution • Waste heat recovery and other industrial energy efficient technologies • Energy education and energy regulation • Scale-up, stability, and life-cycle analysis of energy technologies and improvement of existing energy-intensive processes • Theory and simulation in energy harvesting, conversion, and storage • Design, operation, and optimization of processes for energy generation (e.g., carbon capture) and conversion of energy carriers • Energy efficiency improvement in process engineering (e.g., for biomass conversion and improved combustion) and electrical engineering (e.g., for power conversion and developing smart grids) • Thermo-electric/electrolysis/photo-electrolysis/fundamentals of PV • Emission control, CO2 capture, and conversion • Carbon sequestration techniques • CO2 and other greenhouse gas reduction metallurgy in ferrous (iron & steel making and forming), non-ferrous and reactive metals including critical rare-earth metals • Sustainability and life cycle assessment of energy systems • Thermodynamics and modelling for sustainable metallurgical processes • 'Smart cool materials' for urban heat island mitigation (such as cool roof infrared reflecting material, and low-temperature heat absorbers for use in air conditioner condensers - like 'endothermic materials') • Methodologies for reducing the cost of energy materials production • Circular economy and developing resource efficiency model for cutting down the transport from remote places • Materials extraction and processing steps for enhancing energy efficiencies in batteries, supercapacitors, and energy efficient cells • Foundational industry (metals-alloys, chemicals, refractories, cement) and energy economy and role of mineral extraction

Data Privacy Management and Autonomous Spontaneous Security Jul 29 2020 This book constitutes the thoroughly refereed joint post proceedings of two international workshops, the 5th International Workshop on Data Privacy Management, DPM 2010, and the 3rd International Workshop on Autonomous and Spontaneous Security, SETOP 2010, collocated with the ESORICS 2010 symposium in Athens, Greece, in September 2010. The 9 revised full papers for DPM 2010 presented together with two keynote talks are accompanied by 7 revised full papers of SETOP 2010; all papers were carefully reviewed and selected for inclusion in the book. The DPM 2010 papers cover topics such as how to translate the high-level business goals into system-level privacy policies, administration of privacy-sensitive data, privacy data integration and engineering, privacy access control mechanisms, information-oriented security, and query execution on privacy-sensitive data for partial answers. The SETOP 2010 papers address several specific aspects of the previously cited topics, as for instance the autonomic administration of security policies, secure P2P storage, RFID authentication, anonymity in reputation systems, etc.

Intermediate Microeconomics Jan 23 2020 Intermediate Microeconomics: A Tool-Building Approach is a clear and concise calculus-based exposition of current microeconomic theory that is essential for students pursuing degrees in economics or business. The second edition explicitly incorporates constrained optimization techniques. This beautifully presented and accessible text covers all the essential topics typically required at the intermediate level, from consumer and producer theory to the market structures of perfect competition, monopoly, duopoly, and oligopoly. Other topics include general equilibrium, risk, and game theory, as well as chapters on externalities, asymmetric information, and public goods. Through numerical examples as well as exercises, the book aims to teach microeconomic theory via a process of learning-by-doing. When there is a skill to be acquired, a list of steps outlining the procedure is provided, followed by an example to illustrate how this procedure is carried out. Once learned, students will be able to solve similar problems and be well on their way to mastering the skills needed for future study. Intermediate Microeconomics presents a large amount of material in a concise way, without sacrificing rigor or clarity of exposition. Through use of this text, students will acquire both the analytical toolkit and theoretical foundation necessary in order to take upper-level field courses in economics, such as industrial organization, international trade, and public finance.

LIST OF ALL ISSUERS (769) ALREADY LISTED ON THE INDONESIA STOCK EXCHANGE PER JANUARY 2022 Jan 15 2022 Buying shares either to invest in the short or long term or for trading only requires information on how the issuer or company places its shares on the IDX. Information regarding the type of business run by the issuer, ownership information and composition must at least be known by investors and traders or even prospective stock players who are still in the learning stage. This book briefly reveals the business background of all issuers listed on the IDX. As of January 2022, 769 issuers with 769 stock codes have been listed on the IDX from various industries.

Q-Squared Apr 25 2020 This work is about poverty in the Global South. It presents results from a wide range of mixed method, or Q-Squared (Q) - combined qualitative and quantitative approaches - studies conducted in sub-Saharan Africa, Asia, and Latin America about who are poor and why.

Journal of Petroleum Technology Aug 30 2020

Computer and Computing Technologies in Agriculture II, Volume 3 Apr 30 2023 The papers in this volume comprise the refereed proceedings of the Second IFIP International Conference on Computer and Computing Technologies in Agriculture (CCTA2008), in Beijing, China, 2008. The conference on the Second IFIP International Conference on Computer and Computing Technologies in Agriculture (CCTA 2008) is cooperatively sponsored and organized by the China Agricultural University (CAU), the National Engineering Research Center for Information Technology in Agriculture (NERCITA), the Chinese Society of Agricultural Engineering (CSAE) , International Federation for Information Processing (IFIP), Beijing Society for Information Technology in Agriculture, China and Beijing Research Center for Agro-products Test and Farmland Inspection, China. The related departments of China's central government bodies like: Ministry of Science and Technology, Ministry of Industry and Information Technology, Ministry of Education and the Beijing Municipal Natural Science Foundation, Beijing Academy of Agricultural and Forestry Sciences, etc. have greatly contributed and supported to this event. The conference is as good platform to bring together scientists and researchers, agronomists and information engineers, extension servers and entrepreneurs from a range of disciplines concerned with impact of Information technology for sustainable agriculture and rural development. The representatives of all the supporting organizations, a group of invited speakers, experts and researchers from more than 15 countries, such as: the Netherlands, Spain, Portugal, Mexico, Germany, Greece, Australia, Estonia, Japan, Korea, India, Iran, Nigeria, Brazil, China, etc.

Prospects for productivity growth in U.S. agriculture Jul 09 2021

Smart Grid and Enabling Technologies Jun 20 2022 Discover foundational topics in smart grid technology as well as an exploration of the current and future state of the industry As the relationship between fossil fuel use and climate change becomes ever clearer, the search is on for reliable, renewable and less harmful sources of energy. Sometimes called the electronet or the energy Internet, smart grids promise to integrate renewable energy, information, and communication technologies with the existing electrical grid and deliver electricity more efficiently and reliably. Smart Grid and Enabling Technologies delivers a complete vision of smart grid technology and applications, including foundational and fundamental technologies, the technology that enables smart grids, the current state of the industry, and future trends in smart energy. The book offers readers thorough discussions of modern smart grid technology, including advanced metering infrastructure, net zero energy buildings, and communication, data management, and networks in smart grids. The accomplished authors also discuss critical challenges and barriers facing the smart grid industry as well as trends likely to be of import in its future development. Readers will also benefit from the inclusion of: A thorough introduction to smart grid architecture, including traditional grids, the fundamentals of electric power, definitions and classifications of smart grids, and the components of smart grid technology An exploration of the opportunities and challenges posed by renewable energy integration Practical discussions of power electronics in the smart grid, including power electronics converters for distributed generation, flexible alternating current transmission systems, and high voltage direct current transmission systems An analysis of distributed generation Perfect for field scientists, researchers, engineers, graduate students, and senior undergraduate students studying and working with electrical power systems and communication systems. Smart Grid and Enabling Technologies will also earn a place in the libraries of economists, government planners and regulators, policy makers, and energy stakeholders working in the smart grid field.

Learning and Collaboration Technologies: Technology-Rich Environments for Learning and Collaboration. Feb 04 2021 The two-volume set LNCS 8523-8524 constitutes the refereed proceedings of the First International Conference on Learning and Collaboration Technologies, LCT 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, in Heraklion, Crete, Greece in June 2014, jointly with 13 other thematically similar conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences were carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 93 contributions included in the LCT proceedings were carefully reviewed and selected for inclusion in this two-volume set. The 45 papers included in this volume are organized in the following topical sections: virtual and augmented learning environments; mobile and ubiquitous learning; technology@school; collaboration, learning and training.

Higher Education Learning Methodologies and Technologies Online Apr 06 2021 This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Conference on Higher Education Learning Methodologies and Technologies Online, HELMeTO 2022, held in Palermo, Italy, in September 2022. The 59 revised papers presented were carefully reviewed and selected from a total of 126 submissions. The papers present recent research on challenges of implementing emerging technology solution for online, online learning pedagogical frameworks, online learning technologies in practice, online learning strategies and resources, etc.

Introduction to Energy Technologies for Efficient Power Generation Jul 21 2022 This book serves as a guide for discovering pathways to more efficient energy use. The first part of the book illustrates basic laws of energy conversion and principles of thermodynamics. Laws of energy conservation and direction of energy conversion are formulated in detail, and the types of thermodynamic processes are explained. Also included is the characterization of various types of real energy conversion. The second part of the book discusses types of energy conversion referred to as thermal-energy technologies. The advantages of the co-generation processes and devices operating within the Brayton direct cycle and their adaptively to household energetics are underlined.

Optimizing Information Security and Advancing Privacy Assurance: New Technologies Dec 26 2022 "This book reviews issues and trends in security and privacy at an individual user level, as well as within global enterprises, covering enforcement of existing security technologies, factors driving their use, and goals for ensuring the continued security of information systems"--Provided by publisher.

Handbook of Smart Materials, Technologies, and Devices Jan 27 2023 This handbook brings together technical expertise, conceptual background, applications, and societal aspects of Industry 4.0: the evolution of automation and data exchange in fabrication technologies, materials processing, and device manufacturing at both experimental and theoretical model scales. The book assembles all the aspects of Industry 4.0, starting from the emergence of the concept to the consequences of its progression. Drawing on expert contributors from around the world, the volume details the technologies that sparked the fourth revolution and illustrates their characteristics, potential, and methods of use in the industrial and societal domains. In addition, important topics such as ethics, privacy and security are considered in a reality where all data is shared and saved remotely. The collection of contribution serve a very broad audience working in the fields of science and engineering, chemical engineering, materials science, nanotechnology, energy, environment, green chemistry, sustainability, electrical and electronic engineering, solid-state physics, surface science, aerosol technology, chemistry, colloid science, device engineering, and computer technology. This handbook ideal reference libraries in universities and industrial institutions, government and independent institutes, individual research groups and scientists.

Environmental Issues of Deep-Sea Mining Feb 22 2020 This volume discusses environmental issues associated with deep-sea mining, with an emphasis on potential impacts, their consequences and the policy perspectives. The book describes the methods and technologies to assess, monitor and mitigate mining impacts on marine environments, and also suggests various approaches for environmental management when conducting deep-sea mining. The volume brings together information and data for researchers, contractors, mining companies, regulators, and NGOs working in the field of deep-sea mining. Section 1 highlights the various environmental issues and discusses methods and approaches that can help in developing environmentally sustainable deep-sea mining. Section 2 details the results and outcomes of studies related to impact assessment of deep-sea mining, and proposes methods for monitoring. Section 3 discusses the need and means for developing data standards and their application to deep-sea mining. Section 4 discusses the policies, approaches, and practices related to deep-sea mining, suggests formats for developing environmental impact statements (EIS) and environmental management plans (EMP), and describes national and international regulations for environmental management. Section 5 concludes the text by putting deep-sea economic activities into an environmental context and conducting techno-economic analyses of deep-sea mining and processing.

Information Systems and Technologies Aug 22 2022 This book covers the following main topics: A) information and knowledge management; B) organizational models and information systems; C) software and systems modeling; D) software systems, architectures, applications and tools; E) multimedia systems and applications; F) computer networks, mobility and pervasive systems; G) intelligent and decision support systems; H) big data analytics and applications; I) human-computer interaction; J) ethics, computers and security; K) health informatics; L) information technologies in education; M) information technologies in radio communications; N) technologies for biomedical applications. This book is composed by a selection of articles from The 2022 World Conference on Information Systems and Technologies (WorldCIST'22), held between April 12 and 14, in Budva, Montenegro. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences, and challenges of modern information systems and technologies research, together with their technological development and applications.

Multimedia Networking Technologies, Protocols, and Architectures Feb 28 2023 This practical resource provides a survey on the technologies, protocols, and architectures that are widely used in practice to implement networked multimedia services. The book presents the background and basic concepts behind multimedia networking, and provides a detailed analysis of how multimedia services work, reviewing the diverse network protocols that are of common use to implement them. To guide the explanation of concepts, the book focuses on a representative set of networked multimedia services with proven success and high penetration in the telecommunication market, namely Internet telephony, Video-on-Demand (VoD), and live IP television (IPTV). Contents are presented following a stepwise approach, describing each network protocol in the context of a networked multimedia service and making appropriate references to the protocol as needed in the description of other multimedia services. This book also contains questions and exercises to provide the reader with insight on the practical application of the explained concepts. Additionally, a laboratory practice is included, based on open-source tools and software, to analyze the operation of an Internet telephony service from a practical perspective, as well as to deploy some of its fundamental components.

Emerging Technologies for Education Mar 29 2023 This book constitutes the thoroughly refereed post-workshop proceedings of the 4th International Symposium, SETE 2019, held in conjunction with ICWL 2019, in Magdeburg, Germany, in September 2019. The 10 full and 6 short papers presented together with 24 papers from 5 workshops were carefully reviewed

and selected from 34 submissions. The papers cover the latest findings in various areas, such as: virtual reality and game-based learning; learning analytics; K-12 education; language learning; design, model and implementation of e-learning platforms and tools; digitalization and industry 4.0; pedagogical issues, practice and experience sharing.

Innovation and Technology May 27 2020 Innovation has revolutionized the world economy, yet it remains often misunderstood. This textbook seeks to elucidate the nature and impact of innovation for both undergraduate and graduate students. Innovation and Technology examines the impact of innovation on both economic theory and the real world. It addresses the topic at the level of policy and also drills down to provide analysis of firms. This book moves beyond the plethora of specialized studies on the subject and formulates a unified and comprehensive approach, encompassing the topic's huge breadth and scope. Issues such as innovation, knowledge, incentives, information and regulation are featured. Designed for MBA, Economics and Business students, this textbook will be useful to those interested in innovation, entrepreneurship and the economics of technology.

Pesticides Remediation Technologies from Water and Wastewater Feb 16 2022 Pesticides Remediation Technologies from Water and Wastewater focuses on environmental aspects and health effects of pesticides, the use of conventional and AOPs technologies, and adsorption processes and nanomaterials for the removal of pesticides from water and wastewater. The deterioration of water quality is of great concern due to its effects on aquatic organisms, humans and the ecosystem. Among the pollutants, pesticides are a major concern in villages and farm land. This edited book bridges the gap between old and new knowledge about the categorization of pesticides, the presence of them in water, wastewater, soil and foods, and new methods to detect them from water matrices. This edited book provides the necessary basic knowledge to new researchers who want to learn about pesticides and the ways to eliminate them in aqueous matrices. Moreover, it is also a helpful resource for mature researchers in this field, providing them with new trends in water and wastewater treatment processes, preparation and application of novel adsorbent materials. Includes methods for effectively removing pesticides from potable water and water bodies Provides techniques that are eco-friendly and that do not use toxic chemicals and are lower in cost Presents information needed to identify severe health effects on human beings and aquatic animals

Akamai State of the Internet Sep 11 2021 Akamai's globally distributed Intelligent Platform™ allows us to gather massive amounts of data on many metrics including Internet connection speeds, network connectivity/availability issues, and IPv6 adoption progress as well as traffic patterns across leading web properties and digital media providers. Each quarter, Akamai publishes the State of the Internet Report based on this data. This quarter's report includes data gathered from across the Akamai Intelligent Platform during the second quarter of 2016, covering Internet connection speeds and broadband adoption metrics across both fixed and mobile networks as well as trends seen in this data over time. In addition, the report includes insight into the state of IPv4 exhaustion and IPv6 adoption, Internet events and disruptions that occurred during the quarter, mobile browser usage trends, and observations from Akamai partner Ericsson regarding data and voice traffic growth on mobile networks.

Departments of Transportation, and Housing and Urban Development, and Related Agencies Appropriations for 2012 Nov 13 2021

New Advances in Information Systems and Technologies Jun 08 2021 This book contains a selection of articles from The 2016 World Conference on Information Systems and Technologies (WorldCIST'16), held between the 22nd and 24th of March at Recife, Pernambuco, Brazil. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, together with their technological development and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Software and Systems Modeling; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Human-Computer Interaction; Health Informatics; Information Technologies in Education; Information Technologies in Radiocommunications.

ATI Technologies (ATY - TSE) Jun 27 2020

Resilient and Responsible Smart Cities Nov 01 2020 This book focuses on the ways in which resiliency can foster the transformation of cities. There is a growing need for our cities to be transformed into "smart" cities; in this regard, tremendous efforts are called for in order to face the environmental challenges that play a major role in the creation or transformation of cities and environments. This book covers a broad range of applications and approaches that are "smart" and "resilient," which, when combined, offer much more flexibility concerning the future of our cities. Consequently, this simple combination, which is producing sweeping changes around the globe, has attracted considerable attention from scholars and decision-makers alike.

Official Gazette of the United States Patent and Trademark Office Aug 10 2021

Handbook of Economic Growth Mar 17 2022 Featuring survey articles by leading economists working on growth theory, this two-volume set covers theories of economic growth, the empirics of economic growth, and growth policies and mechanisms. It also covers technology, trade and geography, and growth and socio-economic development.

Building Successful Partnerships Dec 02 2020 ?Hailed by some as fundamental pillar of global governance, and criticized by others as manifestation of 'top-down globalism', multi-stakeholder partnerships have become the new mantra of policy-makers around the globe. However, our understanding of what drives success and failure in these hybrid institutions remains sketchy and incomplete. This book will introduce a production theory of partnering which describes how the contributions actors add to a partnership are translated into results. The objective of this new perspective on collaboration is to make sense of the complex dynamics partnerships face and to derive fundamental propositions on how governance structures should be designed to make partnerships succeed.

Financial Systems in Developing Economies Dec 22 2019 This book evaluates the financial system of Thailand, a proto-typical developing economy.

Green IT: Technologies and Applications May 07 2021 This book is the first of its kind in presenting comprehensive technical issues and solutions for rapidly growing Green IT. It brings together in a single volume both green communications and green computing under the theme of Green IT, and presents exciting research and developments taking place therein in a survey style. Written by the subject matter experts consisting of an international team of recognized researchers and practitioners in the field, Green IT: Technologies and Applications will serve as an excellent source of information on the latest technical trend of Green IT for graduate/undergraduate students, researchers, engineers, and engineering managers in the IT (Electrical, Communications, Computer Engineering, Computer Science, Information Science) as well as interdisciplinary areas such as sustainability, environment, and energy. The book comprises three parts: Green Communications, Green Computing, and Smart Grid and Applications. Part I Green Communications deals with energy efficient architectures and associated performance measures in wireless communications. It covers energy issues in PHY, MAC, Routing, Application layers and their solutions for a variety of networks. Part II Green Computing deals with various energy issues in data centers, computing clusters, computing storage, and associated optimization techniques. Energy management strategies are presented to balance between energy efficiency and required qualities of services. Part III Smart Grid and Applications presents an overview and research challenges for smart grid. Applications include modeling of urban pollutant for transportation networks, Wireless Sensor Network (WSN) architecture with long range radio, and Green IT standards.

Encyclopedia of Information Science and Technology, Second Edition Sep 23 2022 "This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Learning and Collaboration Technologies. Designing the Learner and Teacher Experience Mar 05 2021 This proceedings, LCT 2022, constitutes the refereed proceedings of the 9th International Conference on Learning and Collaboration Technologies, LCT 2022, held as Part of the 24th International Conference, HCI International 2022, which took place in June/July 2022. Due to COVID-19 pandemic the conference was held virtually. The total of 1271 papers and 275 poster papers included in the 39 HCII 2022 proceedings volumes was carefully reviewed and selected from 5487 submissions. The papers of LCT 2022 are organized in topical sections named: Designing and Developing Learning Technologies; Learning and Teaching Online; Diversity in Learning; Technology in Education: Practices and Experiences.

Best Practices and Conceptual Innovations in Information Resources Management: Utilizing Technologies to Enable Global Progressions Apr 18 2022 "This book offers insight into emerging developments in information resources management and how these technologies are shaping the way the world does business, creates policies, and advances organizational practices"--Provided by publisher.

New Techniques and Technologies in Mining Oct 24 2022 Mining is the foremost source of minerals that all countries find essential for maintaining and improving their standards of living. Mined materials are needed to construct roads and hospitals, to build automobiles and houses, to make computers and satellites, to generate electricity, and to provide many other goods and services that consumers enjoy. The high tech industries and even the better known resource industries are all dependent, in some way, on the mining industry. But exploring, extraction and processing of minerals require big material and labour costs and there is a big number of acute problems to face, such as: environment and water pollution, worsening of mining-geological conditions, depletion of minerals that can be extracted only by conventional methods, rock pressure manifestation, big depths of the deposits and transportation of the minerals on the surface. In order to find modern solutions there is a big number of scientists and engineers all over the world dedicating their research to most current problems and inventions of innovative technologies and techniques in mining. Some of the most important results of such research is presented in this book and covers the following topics: management of strain and stress state of the massif, underground coal gasification, substantiation of rational parameters of various types of support, ventilation in underground openings, design of mine workings and other vital questions.

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