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American Vaudeville as Ritual Elsevier Health Sciences
Discusses how European scientists from the High Middle Ages through the Enlightenment used wonders, monsters, curiosities, marvels, and other phenomena to envision the natural world.

Automation Newnes
This collection features papers presented at the 146th Annual Meeting & Exhibition of The Minerals, Metals & Materials Society.

Human Factors in Computing and Informatics University Press of Kentucky
Modern practical medicine requires high tech in diagnostics and therapy and in consequence in education. All disciplines use computers to handle large data bases allowing individual therapy, to interpret large data bases in form of neuronal signals, help visualization of organs during surgery. This book contains chapters on personalised therapy, advanced diagnostics in neurology, modern techniques like robotic surgery (da Vinci robots), 3D-printing and 3D-bioprinting, augmented reality applied in medical diagnostics and therapy. It is impossible without fast large scale data mining in both: clinical data interpretation as well as in hospital organization including hybrid surgery rooms and personal data flow. The book is based on a course for medical students organized in the editor's department. Every year, around 300 international undergraduate medical students take the course.

The Future of Technology Springer Nature
This book constitutes the refereed proceedings of the First International Conference on Human Factors in Computing and Informatics, SouthCHI 2013, held in Maribor, Slovenia, in July 2013. SouthCHI is the successor of the USAB Conference series and promotes all aspects of human-computer interaction. The 38 revised full papers presented together with 12 short papers, 4 posters and 3 doctoral thesis papers were carefully reviewed and selected from 169 submissions. The papers are organized in the following topical sections: measurement and usability evaluation; usability evaluation - medical environments; accessibility methodologies; game-based methodologies; Web-based systems and attribution research; virtual environments; design culture for ageing well: designing for "situated elderliness"; input devices; adaptive systems and intelligent agents; and assessing the state of HCI research and practice in South-Eastern Europe.

Engineering a Better Future IOS Press
This complete update of a classic handbook originally created by Analog Devices and never previously published offers the most complete and up-to-date reference available on data conversion, from the world authority on the subject. It describes in depth the theory behind and the practical design of data conversion circuits. It describes the different architectures used in A/D and D/A converters - including many advances that have been made in this technology in recent years - and provides guidelines on which types are best suited for particular applications. It covers error characterization and testing specifications, essential design information that is difficult to find elsewhere. The book also contains a wealth of practical application circuits for interfacing and supporting A/D and D/A converters within an electronic system. In short, everything an electronics engineer needs to know about data converters can be found in this volume, making it an indispensable reference with broad appeal. The accompanying CD-ROM provides software tools for testing and analyzing data converters as well as a searchable pdf version of the text. * brings together a huge amount of information impossible to locate elsewhere. * many recent advances in converter technology simply aren't covered in any other book. * a must-have design reference for any electronics design engineer or technician

Virtual Reality and Augmented Reality Jones & Bartlett Learning
This open access book explores the concept of Industry 4.0,

which presents a considerable challenge for the production and service sectors. While digitization initiatives are usually integrated into the central corporate strategy of larger companies, smaller firms often have problems putting Industry 4.0 paradigms into practice. Small and medium-sized enterprises (SMEs) possess neither the human nor financial resources to systematically investigate the potential and risks of introducing Industry 4.0. Addressing this obstacle, the international team of authors focuses on the development of smart manufacturing concepts, logistics solutions and managerial models specifically for SMEs. Aiming to provide methodological frameworks and pilot solutions for SMEs during their digital transformation, this innovative and timely book will be of great use to scholars researching technology management, digitization and small business, as well as practitioners within manufacturing companies.

Style Manual of the United States Government Printing Office McGraw-Hill/Irwin
This book constitutes the refereed proceedings of the 16th International Conference on Virtual Reality and Augmented Reality, EuroVR 2019, held in Tallinn, Estonia, in October 2019. The 11 full papers and 5 short papers presented together with 8 scientific posters were carefully reviewed and selected from 54 submissions. The papers are organized in topical sections named: Immersive Interaction; Training, Teaching and Learning; Industrial Applications and Data Analysis; Perception, Cognition and Evaluation; and Scientific Posters.

The Pilot Plant Real Book Springer Nature
User Experience Innovation is a book about creating novel and engaging user experiences for new products and systems. User experience is what makes devices such as Apple's iPhone and systems such as Amazon.com so successful. iPhone customers don't buy just a phone; they buy into an experience enabled by the device. Similarly, Amazon.com customers enter a world of book reviews, interesting recommendations, instant downloads to their Kindle, and one-click purchasing. Products today are focal points, and it is the experience surrounding the product that matters the most. User Experience Innovation helps you create the right sort of experience around your products in order to be successful in the marketplace. The approach in User Experience Innovation is backed by 18 years of experience from an author holding more than 100 patents relating to user experience. This is a book written by a practitioner for other practitioners. You'll learn 17 specific methods for creating innovation; these methods run the gamut from targeting user needs to relieving pain points, to providing positive surprises, to innovating around paradoxes. Each method is one that the author has used successfully. Taken together, they can help you create truly successful user experience innovations to benefit your company or organization, and to help you grow as an experienced expert and innovator in your own right. Provides 17 proven methods for innovating around user experience Helps you think beyond the product to the sum total of a customer's experience Written by an experienced practitioner holding more than 100 user-experience patents

Handbook of Human Systems Integration Newnes
From the visionary bestselling author of The Second World and How to Run the World comes a bracing and authoritative guide to a future shaped less by national borders than by global supply chains, a world in which the most connected powers—and people—will win. Connectivity is the most revolutionary force of the twenty-first century. Mankind is reengineering the

planet, investing up to ten trillion dollars per year in transportation, energy, and communications infrastructure linking the world’s burgeoning megacities together. This has profound consequences for geopolitics, economics, demographics, the environment, and social identity. Connectivity, not geography, is our destiny. In Connectography, visionary strategist Parag Khanna travels from Ukraine to Iran, Mongolia to North Korea, Pakistan to Nigeria, and across the Arctic Circle and the South China Sea to explain the rapid and unprecedented changes affecting every part of the planet. He shows how militaries are deployed to protect supply chains as much as borders, and how nations are less at war over territory than engaged in tugs-of-war over pipelines, railways, shipping lanes, and Internet cables. The new arms race is to connect to the most markets—a race China is now winning, having launched a wave of infrastructure investments to unite Eurasia around its new Silk Roads. The United States can only regain ground by fusing with its neighbors into a super-continental North American Union of shared resources and prosperity. Connectography offers a unique and hopeful vision for the future. Khanna argues that new energy discoveries and technologies have eliminated the need for resource wars; ambitious transport corridors and power grids are unscrambling Africa’s fraught colonial borders; even the Arab world is evolving a more peaceful map as it builds resource and trade routes across its war-torn landscape. At the same time, thriving hubs such as Singapore and Dubai are injecting dynamism into young and heavily populated regions, cyber-communities empower commerce across vast distances, and the world’s ballooning financial assets are being wisely invested into building an inclusive global society. Beneath the chaos of a world that appears to be falling apart is a new foundation of connectivity pulling it together. Praise for Connectography “Incredible . . . With the world rapidly changing and urbanizing, [Khanna’s] proposals might be the best way to confront a radically different future.”—The Washington Post “Clear and coherent . . . a well-researched account of how companies are weaving ever more complicated supply chains that pull the world together even as they squeeze out inefficiencies. . . . [He] has succeeded in demonstrating that the forces of globalization are winning.”—Adrian Woolridge, The Wall Street Journal “Bold . . . With an eye for vivid details, Khanna has . . . produced an engaging geopolitical travelogue.”—Foreign Affairs “For those who fear that the world is becoming too inward-looking, Connectography is a refreshing, optimistic vision.”—The Economist “Connectivity has become a basic human right, and gives everyone on the planet the opportunity to provide for their family and contribute to our shared future. Connectography charts the future of this connected world.”—Marc Andreessen, general partner, Andreessen Horowitz “Khanna’s scholarship and foresight are world-class. A must-read for the next president.”—Chuck Hagel, former U.S. secretary of defense This title has complex layouts that may take longer to download.

Advances in Tourism, Technology and Systems Springer

This open access book examines how the social sciences can be integrated into the praxis of engineering and science, presenting unique perspectives on the interplay between engineering and social science. Motivated by the report by the Commission on Humanities and Social Sciences of the American Association of Arts and Sciences, which emphasizes the importance of social sciences and Humanities in technical fields, the essays and papers collected in this book were presented at the NSF-funded workshop ‘Engineering a Better Future: Interplay between Engineering, Social Sciences and Innovation’, which brought together a singular collection of people, topics and disciplines. The book is split into three parts: A. Meeting at the Middle: Challenges to educating at the boundaries covers experiments in combining engineering education and the social sciences; B. Engineers Shaping Human Affairs: Investigating the interaction between social sciences and engineering, including the cult of innovation, politics of engineering, engineering design and future of societies; and C. Engineering the Engineers: Investigates thinking about design with papers on the art and science of science and engineering practice.

Nuclear Science Abstracts "O'Reilly Media, Inc."

As a discipline of academy inquiry, International Management applies management concepts and techniques to their contexts in firms working in multinational, multicultural environments. Hodgetts’Luthans: International Management was the first mainstream International Management text in the market. Its 6th edition continues to set the standard for International Management texts with its research-based content and its balance between culture, strategy, and behavior. International Management stresses the balanced approach and the synergy/connection between the text’s four parts: Environment (3 chapters): Culture (4 chapters), Strategy and Functions (4 chapters) and Organizational Behavior /Human Resource Management (4 chapters).

Creating a Brand Identity: A Guide for Designers Springer Nature Antitrust laws touch upon a wide range of conduct and business relationships in the delivery of health care services, and the issues that should be of concern to health care organizations are described. Health Care Antitrust provides practical overviews of the principal legal issues relating to health care antitrust, as well as a general understanding of antitrust analysis as applied to contractual relationships and business strategies that present antitrust risks in a managed care environment.

List of Materials Acceptable for Use on Systems of RUS

Electrification Borrowers Apress

This book covers recent advances in the use of electrostimulation therapies in movement disorders, epilepsy, inflammatory bowel disease, memory and cognition, disorders of consciousness, foot drop, dysphagia, brain injury, headache, heart failure, hearing loss, and rheumatoid arthritis. It describes techniques such as vagus nerve stimulation, deep brain stimulation, and electrical stimulation of the pharyngeal nerve. Electroceuticals: Advances in Electrostimulation Therapies is aimed at clinicians and basic researchers in the fields of neurology, neurosurgery, cardiology and rheumatology.

Vegetable Fiber Composites and their Technological Applications

John Wiley & Sons

More physicists today are taking on the role of software developer as part of their research, but software development isn't always easy or obvious, even for physicists. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. Written by two PhDs in nuclear engineering, this book includes

practical examples drawn from a working knowledge of physics concepts. You’ll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use local and remote version control, and debug and test your code Getting It Out There: Document your code, process and publish your findings, and collaborate efficiently; dive into software licenses, ownership, and copyright procedures

Analog-Digital Conversion Laurence King Publishing

A handbook of analog-to-digital and digital-to-analog converters -- and the circuits and systems that use them -- from the world leader in conversion products.

User Experience Innovation Springer

This study affords an entirely new view of the nature of modern popular entertainment. American vaudeville is here regarded as the carefully elaborated ritual serving the different and paradoxical myth of the new urban folk. It demonstrates that the compulsive myth-making faculty in man is not limited to primitive ethnic groups or to serious art, that vaudeville cannot be dismissed as meaningless and irrelevant simply because it fits neither the criteria of formal criticism or the familiar patterns of anthropological study. Using the methods for criticism developed by Susanne K. Langer and others, the author evaluates American vaudeville as a symbolic manifestation of basic values shared by the American people during the period 1885-1930. By examining vaudeville as folk ritual, the book reveals the unconscious symbolism basic to vaudeville-in its humor, magic, animal acts, music, and playlets, and also in the performers and the managers—which gave form to the dominant American myth of success. This striking view of the new mass man as a folk and of his mythology rooted in the very empirical science devoted to dispelling myth has implications for the serious study of all forms of mass entertainment in America. The book is illustrated with a number of striking photographs.

Best Practices Handbook for the Collection and Use of Solar Resource Data for Solar Energy Applications Springer

This book offers support and encouragement to all those interested in the development of cybertherapy systems. It provides evidence to build confidence in their effectiveness for detecting, monitoring and evaluating a number of important conditions and identifies and addresses the main barriers to their further development. It is divided into four main sections: critical reviews, evaluation studies, original research and clinical observations, tackling this complex subject by means of a clearly sequenced structure. --

Data Conversion Handbook GPO FCIC

This book features a collection of high-quality research papers presented at the International Conference on Tourism, Technology & Systems (ICOTTS 2020), held at the University of Cartagena, in Cartagena de Indias, Colombia, from 29th to 31st October 2020. The book is divided into two volumes, and it covers the areas of technology in tourism and the tourist experience, generations and technology in tourism, digital marketing applied to tourism and travel, mobile technologies applied to sustainable tourism, information technologies in tourism, digital transformation of tourism business, e-tourism and tourism 2.0, big data and management for travel and tourism, geotagging and tourist mobility, smart destinations, robotics in tourism, and information systems and technologies.

Wonders and the Order of Nature 1150–1750 Springer Nature

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a

virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

Government Reports Announcements & Index Walter de Gruyter GmbH & Co KG

Digital human modeling (DHM) is an active field of research directed towards the goal of creating detailed digital models of the human body and its functions, as well as assessment methods for evaluating human interaction with products and production systems. These have many applications in ergonomics, design and engineering, in fields as diverse as the automotive industry and medicine. This book presents the proceedings of the 6th International Digital Human Modeling Symposium (DHM2020), held in Skövde, Sweden from 31 August to 2 September 2020. The conference was also accessible online for those unable to attend in person because of restrictions due to the Covid-19 pandemic. The symposium provides an international forum for researchers, developers and users to report their latest innovations, summarize new developments and experiences within the field, and exchange ideas, results and visions in all areas of DHM research and applications. The book contains the 43 papers accepted for presentation at the conference, and is divided into 6 sections which broadly reflect the topics covered: anthropometry; behavior and biomechanical modeling; human motion data collection and modeling; human-product interaction modeling; industry and user perspectives; and production planning and ergonomics evaluation. Providing a state-of-the-art overview of research and developments in digital human modeling, the book will be of interest to all those who are active in the field.