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Methodisches Konstruieren von additiv gefertigten Bauteilen Martin Kumke 2018-05-14 Martin Kumke entwickelt angepasste Konstruktionsprozesse sowie praxisnahe Methoden und Hilfsmittel zur Ausschöpfung konstruktiver Potenziale von additiven Fertigungsverfahren. Anhand von Beispielanwendungen, die die neuen Freiheiten und Restriktionen in der Konzeption und Gestaltung von Bauteilen berücksichtigen, zeigt der Autor, dass hierdurch die Entwicklung eigenschaftsoptimierter Produkte ermöglicht wird. Darüber hinaus stellt er in Form eines Wiki-basierten Konstruktionskompendiums eine Möglichkeit zum Transfer der Erkenntnisse in die industrielle Anwendung vor. Der Autor Martin Kumke promovierte im Fachgebiet Konstruktionstechnik an der Technischen Universität Braunschweig während seiner Tätigkeit in der Forschungsabteilung eines großen Automobilherstellers. Sein derzeitiges Aufgabengebiet umfasst die Einführung additiver Fertigungsverfahren in die Automobilproduktion und die Erforschung neuer Konstruktionsansätze.

Catalogue of the Harvard University Fine Arts Library, the Fogg Art Museum Harvard University. Fine Arts Library 1971
Public Policy and Governance Frontiers in New Zealand Evan Berman 2020-07-10 New Zealand is widely regarded as a leader in public policy and governance reforms and

innovations, being an early adopted of New Public Management, a leader in e-government and transparency. Discussing reforms including those in policy areas such as well-being, sustainability, environmental management, agriculture and indigenous development.

Progress in Advanced Computing and Intelligent Engineering Chhabi Rani Panigrahi 2020-10-29 This book features high-quality research papers presented at the 4th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2019), Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Odisha, India. It includes sections describing technical advances and contemporary research in the fields of advanced computing and intelligent engineering, which are based on the presented articles. Intended for postgraduate students and researchers working in the discipline of computer science and engineering, the book also appeals to researchers in the domain of electronics as it covers hardware technologies and future communication technologies.

Einführung in die Epidemiologie Ruth Bonita 2013-01 In diesem von der Weltgesundheitsorganisation (WHO) herausgegebenen Buch werden die wichtigsten epidemiologischen Konzepte und Methoden erklärt und an Beispielen veranschaulicht: - Masszahlen der

Krankheitshäufigkeit - Durchführung und statistische Auswertung epidemiologischer Studien - Konzepte der Krankheitsverursachung - Prävention, übertragbare Krankheiten - Klinische Epidemiologie - Umwelt- und Arbeitsepidemiologie - Public Health und Gesundheitspolitik Das Lehrbuch geht besonders ein auf die Stärken und Schwächen epidemiologischer Studiendesigns und auf die Anwendung epidemiologischer Forschung für Public Health, Gesundheitsförderung und Prävention. (Quelle: www.buchhandel.de).

Xth International Astronautical Congress London 1959 / X.

Internationaler Astronautischer Kongress / Xe Congrès International d'Astronautique Friedrich Hecht

2013-12-21

The Cultivator & Country Gentleman 1888

Climatological Data United States. Environmental Data Service 1971 Collection of the monthly climatological reports of the United States by state or region with monthly and annual national summaries.

Handbook of Research on Emergent Applications of Optimization Algorithms

Vasant, Pandian 2017-10-31 Modern optimization approaches have attracted an increasing number of scientists, decision makers, and researchers. As new issues in this field emerge, different optimization methodologies must be developed and implemented. The Handbook of Research on Emergent Applications of Optimization Algorithms is an authoritative reference source for the latest scholarly research on modern optimization techniques for solving complex problems of global optimization and their applications in economics and engineering. Featuring coverage on a broad range of topics and perspectives such as hybrid systems, non-cooperative games, and cryptography, this publication is ideally designed for students, researchers, and engineers interested in emerging developments in optimization algorithms.

Climatological Data 1954

Computational Intelligence in

Remanufacturing Xing, Bo 2013-12-31 In attempts to reduce greenhouse gas emissions, many alternatives to manufacturing have been recommended from a number of international organizations. Although challenges will arise, remanufacturing has the ability to transform ecological and business value. Computational Intelligence in Remanufacturing introduces various computational intelligence techniques that are applied to remanufacturing-related issues, results, and lessons from specific applications while highlighting future development and research. This book is an essential reference for students, researchers, and practitioners in mechanical, industrial, and electrical engineering.

Gestaltungsempfehlungen für touchscreenbasierte

Benutzungsschnittstellen Michael Domhardt 2019-03-11 Ziel dieser Arbeit war ein ganzheitlicher Gestaltungsansatz, der die Besonderheiten der Touchscreentechnologien und -interaktion berücksichtigt. Die Arbeit enthält Literaturanalysen und empirische Studien zu folgenden Aspekten: Interaktionseinfluss der Touchscreentechnologien, Gebrauchstauglichkeit touchscreenbasierter Interaktionsformen, Dauer und Intensität der Touchscreeninteraktion im Arbeitsumfeld, touchscreeninduzierte Ermüdung des Hand-Arm-Systems sowie Einfluss künstlicher haptischer Rückmeldungen. Anhand der Erkenntnisse wurden konkrete Gestaltungsempfehlungen abgeleitet und mit dem menschenzentrierten Gestaltungsprozess zu einem ganzheitlichen Gestaltungsansatz für Touchscreensysteme zusammengeführt. Die Anwendbarkeit des Gestaltungsansatzes konnte an einem Praxisbeispiel demonstriert werden. Die Ergebnisse der Arbeit erleichtern die Gestaltung touchscreenbasierter Systeme. Auch eine formative analytische Evaluierung entsprechender Systeme wird durch die Verwendung der touchscreenspezifischen Gestaltungsempfehlungen als Konformitätskriterien ermöglicht.

The Literary Digest 1891

The Economist 1968

Research in Interactive Design (Vol. 4)

Xavier Fischer 2016-03-02 Covering key topics in the field such as technological innovation, human-centered sustainable engineering and manufacturing, and manufacture at a global scale in a virtual world, this book addresses both advanced techniques and industrial applications of key research in interactive design and manufacturing. Featuring the full papers presented at the 2014 Joint Conference on Mechanical Design Engineering and Advanced Manufacturing, which took place in June 2014 in Toulouse, France, it presents recent research and industrial success stories related to implementing interactive design and manufacturing solutions.

Handbook of Research on Strategic Supply Chain Management in the Retail Industry

Kamath, Narasimha 2016-02-09 Customer satisfaction is a pivotal component to any business that provides goods or services to the public. By effectively managing the flow of products, business can adapt to the growing demands of consumers and deliver successful customer service. The Handbook of Research on Strategic Supply Chain Management in the Retail Industry is an authoritative reference source for the latest scholarly research on properly managing business processes in order to satisfy end-user requirements and increase competitive advantage in the retail marketplace. Highlighting concepts relating to field applications, customer relationships, and current trends in logistics management, this book is ideally designed for business professionals, managers, upper-level students, and researchers interested in innovative strategies and best practices in modern supply chains.

The Compu-mark Directory of U.S. Trademarks 1991

Climatological Data United States.

Weather Bureau 1954

Optimizing Higher Education Learning

Through Activities and Assessments Inoue-Smith, Yukiko 2020-06-26 The mission of

higher education in the 21st century must focus on optimizing learning for all students. In a shift from prioritizing effective teaching to active learning, it is understood that computer-enhanced environments provide a variety of ways to reach a wide range of learners who have differing backgrounds, ages, learning needs, and expectations. Integrating technology into teaching assumes greater importance to improve the learning experience. *Optimizing Higher Education Learning Through Activities and Assessments* is a collection of innovative research that explores the link between effective course design and student engagement and optimizes learning and assessments in technology-enhanced environments and among diverse student populations. Its focus is on providing an understanding of the essential link between practices for effective “activities” and strategies for effective “assessments,” as well as providing examples of course designs aligned with assessments, positioning college educators both as leaders and followers in the cycle of lifelong learning. While highlighting a broad range of topics including collaborative teaching, active learning, and flipped classroom methods, this book is ideally designed for educators, curriculum developers, instructional designers, administrators, researchers, academicians, and students.

Principles of Colour and Appearance

Measurement Asim Kumar Roy Choudhury 2014-02-19 Colour and appearance perceptions are very complex psychological phenomena. Written by one of the foremost authorities in the field, *Principles of Colour and Appearance Measurement* is a major two-volume work addressing the key topics required to understand the issues and manage colour effectively. The book addresses how objects appear to viewers, how viewers perceive colour, and the major types of instrumentation used to measure colour. Chapters detail the characteristics of light sources and object colour and appearance attributes. They encompass the complexities of human visual perception, including the various causes and types of

colour blindness, and other unusual visual phenomena. The book also covers colour measurement instruments and methods, as well as fluorescence and whiteness.

Principles of Colour Appearance and Measurement is a comprehensive resource for designers, colour technologists, colour quality inspectors, product developers, and anyone who uses colour in their work.

Addresses the key topics required to understand the issues of colour measure and management Examines how viewers perceive colour and how objects appear to them Reviews the major types of

instrumentation used to measure colour

Handbook of Research on Emerging Technologies for Architectural and Archaeological Heritage Ippolito, Alfonso

2016-08-27 Cultural heritage is a vital, multifaceted component of modern society. To better protect and promote the integrity of a culture, certain technologies have become essential tools. The Handbook of Research on Emerging Technologies for Architectural and Archaeological Heritage is an authoritative reference source for the latest scholarly research on the use of technological assistance for the preservation of architecture and archaeology in a global context. Focusing on various surveying technologies for the study, analysis, and protection of historical buildings, this book is ideally designed for professionals, researchers, upper-level students, and practitioners.

Clinical Periodontology and Implant Dentistry, 2 Volume Set Niklaus P. Lang
2015-03-25 Now in its sixth edition, Clinical Periodontology and Implant Dentistry is the must-have resource for practitioners specialising in periodontal care and implant dentistry. The chapters have been extensively revised with 40% of the content new to this edition. Maintaining the widely praised two-volume format introduced in the previous edition, the editorial team has once again brought together the world's top international specialists to share their expertise on all aspects of periodontology, periodontal health and the use of implants in the rehabilitation of the periodontally

compromised patient. Seamlessly integrating foundational science, practical clinical protocols, and recent advances in the field, Clinical Periodontology and Implant Dentistry, Sixth Edition enhances its stellar reputation as the cornerstone reference work on periodontology.

Principles of Sugar Technology Pieter Honig
2013-10-22 Principles of Sugar Technology focuses on the principles, methodologies, and processes involved in sugar technology, including properties of sugar and agents involved in its manufacture. The selection first offers information on the chemical and physical properties of sucrose, as well as decomposition, structure of the sucrose molecule, sucrose derivatives, crystallized and amorphous sucrose, and solvents. The book then takes a look at the physical and chemical properties of reducing sugars and non-nitrogenous organic acids of sugarcane. The publication ponders on nitrogen-containing nonsugars (amino acids and proteins), complex organic nonsugars of high molecular weight, and lipids of sugarcane. Discussions focus on the distribution of nitrogen in sugarcane, amino acids in cane juice and leaves, lignin, pectin, proteins, and significance of waxy and fatty lipids in sugar manufacture. The text also examines color and colored nonsugars, inorganic nonsugars, and agents used in sugar manufacture. The selection is a dependable reference for readers interested in sugar technology.

Biomass Energy with Carbon Capture and Storage (BECCS) Clair Gough
2018-07-10 An essential resource for understanding the potential role for biomass energy with carbon capture and storage in addressing climate change Biomass Energy with Carbon Capture and Storage (BECCS) offers a comprehensive review of the characteristics of BECCS technologies in relation to its various applications. The authors — a team of expert professionals — bring together in one volume the technical, scientific, social, economic and governance issues relating to the potential deployment of BECCS as a key approach to climate change mitigation. The text contains information on the current and

future opportunities and constraints for biomass energy, explores the technologies involved in BECCS systems and the performance characteristics of a variety of technical systems. In addition, the text includes an examination of the role of BECCS in climate change mitigation, carbon accounting across the supply chain and policy frameworks. The authors also offer a review of the social and ethical aspects as well as the costs and economics of BECCS. This important text: Reveals the role BECCS could play in the transition to a low-carbon economy Discusses the wide variety of technical and non-technical constraints of BECCS Presents the basics of biomass energy systems Reviews the technical and engineering issues pertinent to BECCS Explores the societal implications of BECCS systems Written for academics and research professionals, Biomass Energy with Carbon Capture and Storage (BECCS) brings together in one volume the issues surrounding BECCS in an accessible and authoritative manner.

Epitope Discovery and Synthetic Vaccine Design Clarisa Beatriz Palatnik-de-Sousa 2018-07-12
Engineering 1883

Climatological Data, North Carolina United States. Environmental Data Service 1949

Marine Macro- and Microalgae F. Xavier Malcata 2018-12-07 The marine environment accounts for most of the biodiversity on our planet, while offering a huge potential for the benefit and wellbeing of mankind. Its extensive resources already constitute the basis of many economic activities – but many more are expected in coming years. This book covers current knowledge on uses of marine algae to obtain bulk and fine chemicals, coupled with optimization of the underlying production and purification processes. Major gaps and potential opportunities in this field are discussed in a critical manner. The current trends pertaining to marine macro- and microalgae are explained in a simple and understandable writing style. This book covers a wide variety of topics, and as such

it will be appropriate as both student text and reference for advances researchers in the field.

Kombinatorische Optimierung Bernhard Korte 2012-05-04 Das umfassende Lehrbuch zur Kombinatorischen Optimierung beruht auf Vorlesungen, die die Autoren an der Universität Bonn gehalten haben. Sie geben den neuesten Stand des Fachgebiets wieder – mit Schwerpunkt auf theoretischen Resultaten und Algorithmen mit guten Laufzeiten und Ergebnissen. Der Band enthält vollständige Beweise, einige davon wurden bisher nicht in der Lehrbuchliteratur publiziert. Die deutschsprachige Neuauflage enthält alle Ergänzungen und Aktualisierungen der 5. englischsprachigen Auflage, darunter mehr als 60 neue Übungsaufgaben.

Re-engineering Manufacturing for Sustainability Andrew Y. C. Nee 2013-04-08 This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

Statistics of External Trade Sabah. Jabatan Perangkaan 1969

Geographisches Jahrbuch zur Mittheilung aller wichtigern neuen Erforschungen 1852

The Theory and Practice of Associative Power Stephen B. Young 2017-06-19 To succeed in achieving its national security objectives the United States needs to use Associative Power in place of both Hard Power and Soft Power. Associative Power is the use of joint ventures and alliances to optimize the forms of power brought to bear in conflicts responding with precision to a spectrum of enemy threats, situational challenges, and political opportunities. Associative Power was wisely and successfully used by the United States in the Vietnam War through the CORDS program of counter insurgency and village development to defeat the Viet Cong

insurgency and permit the withdrawal of American combat forces. Associative power was not used by the United States—nor was the best counter insurgency practices of CORDS—in the Iraq and Afghanistan conflicts. As a result of this omission, interim outcomes in Iraq and Afghanistan did not acceptably accomplish American objectives.

The Directory of U.S. Trademarks 1993

Precision agriculture '13 John V. Stafford 2013-09-04 Precision agriculture is now 'main stream' in agriculture and is playing a key role as the industry comes to terms with the environment, market forces, quality requirements, traceability, vehicle guidance and crop management. Research continues to be necessary and needs to be reported and disseminated to a wide audience. This book contains peer reviewed papers presented at the 9th European Conference on Precision Agriculture, held in Lleida, Spain. The papers reflect the wide range of disciplines that impinge on precision agriculture: technology, crop science, soil science, agronomy, information technology, decision support, remote sensing and others. The broad range of research topics reported will be a valuable resource for researchers, advisors, teachers and professionals in agriculture long after the conference has finished.

Daylighting Peter Tregenza 2013-01-11 This authoritative and multi-disciplinary book provides architects, lighting specialists, and anyone else working daylight into design, with all the tools needed to incorporate this most fundamental element of architecture. It includes: an overview of current practice of daylighting in architecture and urban planning a review of recent research on daylighting and what this means to the practitioner a global vision of architectural lighting which is linked to the climates of the world and which integrates view, sunlight, diffuse skylight and electric lighting up-to-date tools for design in practice delivery of information in a variety of ways for interdisciplinary readers: graphics, mathematics, text, photographs and in-depth illustrations a clear structure: eleven

chapters covering different aspects of lighting, a set of worksheets giving step-by-step examples of calculations and design procedures for use in practice, and a collection of algorithms and equations for reference by specialists and software designers. This book should trigger creative thought. It recognizes that good lighting design needs both knowledge and imagination.

The Recovery of Natural Environments in Architecture C. Alan Short 2017-01-20

The Recovery of Natural Environments in Architecture challenges the modern practice of sealing up and mechanically cooling public scaled buildings in whichever climate and environment they are located. This book unravels the extremely complex history of understanding and perception of air, bad air, miasmas, airborne pathogens, beneficial thermal conditions, ideal climates and climate determinism. It uncovers inventive and entirely viable attempts to design large buildings, hospitals, theatres and academic buildings through the 19th and early 20th centuries, which use the configuration of the building itself and a shrewd understanding of the natural physics of airflow and fluid dynamics to make good, comfortable interior spaces. In exhuming these ideas and reinforcing them with contemporary scientific insight, the book proposes a recovery of the lost art and science of making naturally conditioned buildings.

Organizational Gamification Mikko Vesa 2021-02-25 This edited volume presents an interdisciplinary collection of texts that examine the practice of gamification, the use of game design elements in non-game contexts, specifically as an organization and management research problem. As we travel deeper into the twenty-first century, it is becoming increasingly clear the late modernity is re defining its take on games and play. Following what has been termed a general ludification or playification of society, corporations are beginning to see games and play as resources rather than as a wasteful practice. We are witnessing the emergence of the practice of gamification with the intention of mobilizing play's

motivational power for capitalist production. This book outlines both the essential "how tos" and also critically explores their links to diverse strands of organization theory such as institutionalism, business ethics, critical theory and organizational behavior. Gamification research has been mostly conducted within disciplines such as information studies, game studies and information systems science. This is a paradoxical state of affairs; whilst gamification aims at being a transformative intervention in work processes and practices and is being deployed as such by practitioners. This book will be of value to researchers, academics and students interested in management and organization studies.

Soil and Water Quality at Different Scales Peter A. Finke 2013-03-14

Integrated studies on the assessment and improvement of soil and water quality have to deal almost inevitably with issues of scale, since the spatial support of measurements, the model calculations and the presentation of results usually vary. This book contains the selected and edited proceedings of a workshop devoted to issues of scale entitled: 'Soil and Water Quality at Different Scales', which was held in 1996 in Wageningen. It is intended for environmental researchers, scientists and MSc and PhD students. Part 1 covers current issues and methodologies with scale related soil and water quality research. Part 2 covers agroecological and hydrological case studies in which scale transforms form an important part of the research chain. Part 3

consists of papers focusing on methodologies and up and downscaling. Part 4 contains review papers based on modellers' and statisticians' considerations as well as the papers and posters presented during the workshop. Part 5 consists of short research notes.

Regulation in the European Electricity Sector Maciej M Sokołowski 2016-02-22

Since the very beginning of European integration, electricity has been within the legal sphere of the EU. Much of this is found within the binding European acts making up the framework of the Energy Packages. The established legal institutions have had a significant impact on the shape of the energy market in Europe. Nevertheless, the European energy market still seems to be developing, as demonstrated by the current lively discussion about the state of the Energy Union. Regulation in the European Electricity Sector delves into European energy law and reflects on some of the primary issues related to the public legal impact on the European energy sector. The book offers a brief explanation of the background operation of the electricity sector, as well as liberalisation within the area, and traces the evolution of the EU's approach towards the issue of public law regulation within the electricity sector. Finally, the book presents an analysis of European and national laws, considering their interpretation, and explores the future of public law regulation. Aimed at giving the reader a deep insight into a nature of the state's presence in the power sector, this book will be of great interest to students and scholars of EU energy law and policy.