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KEY=RWE - CRANE NORRIS

Dienstleistungen für die energieeffiziente Stadt

Springer-Verlag Förderung und Umsetzung von Energieeffizienz und Klimaschutz zählen zu den vorrangigen Aufgaben von Städten und Gemeinden. Innovative Dienstleistungen leisten hierzu einen bedeutenden Beitrag. Der Sammelband präsentiert aktuelle Umsetzungskonzepte aus 15 Städten und bietet einen Überblick über neue Erkenntnisse aus der Dienstleistungsforschung im Hinblick auf Energieeffizienz. Die Beiträge anerkannter Wissenschaftler richten sich an alle, die sich dieses interdisziplinäre Forschungs- und Handlungsfeld erschließen möchten.

IntelliBau

Anwendbarkeit der RFID-Technologie im Bauwesen

Springer-Verlag Die RFID-Technologie bietet die Datennutzung ohne Medienbruch und es ist in jedem Bauteil möglich, die wichtigsten Daten sowie die Herstellerdaten vor Ort bereit zu stellen. Zukünftige Softwareapplikationen, die diese dezentralen Daten der RFID-Transponder verarbeiten, unterstützen und optimieren die Prozesse im Bauablauf.

Wettbewerb "Energieeffiziente Stadt"

LIT Verlag Münster

Umweltökonomische Bewertung von solar unterstützten Energieversorgungssystemen in hochwärmegeprägten Einfamilienhäusern

LIT Verlag Münster

Potenziale der energetischen Sanierung von Schulgebäuden

LIT Verlag Münster Die Untersuchung umfasst eine energetische Bewertung des derzeitigen und zukünftigen Gebäudebestands der allgemeinbildenden Schulen in Deutschland. Fokus liegt auf der Berechnung des Primärenergiebedarfs sowie der Treibhausgasemissionen, die durch Beheizung, Trinkwarmwasserbereitung und Belüftung der Schulgebäude verursacht werden. Für einen Untersuchungszeitraum von 2012 bis 2030 erfolgt die Bestimmung von technischen Potenzialen der energetischen Gebäudesanierung in zwei Szenarien unter Berücksichtigung unterschiedlicher Sanierungsraten.

Risks and opportunities in the biodiversity management and related stakeholder involvement of the RWE Hambach lignite mine

IUCN This report is part of a joint undertaking by IUCN and RWE to explore the possibility of integrating biodiversity values into RWE policies and practices. It was felt that a closer examination of the biodiversity management undertaken by RWE at the Hambach mining site during the past 35 years and the methods of the company's stakeholder engagement processes were needed. This examination offers IUCN the best opportunity to understand RWE's past approaches to biodiversity and for RWE to learn about today's needs for the integrated biodiversity management approaches advocated by IUCN. The report aims to provide the basis for development of a company-wide strategic approach to the management of biodiversity and related stakeholder needs.

Altbausanierung 8

Messen, Planen, Ausführen 24. Hanseatische Sanierungstage vom 7. bis 9. November 2013 im Ostseebad Heringsdorf/Usedom

Beuth Verlag Die vielfältigen Fachvorträge standen dieses Jahr unter dem Motto "Messen - Planen - Ausführen": Die richtige Anwendung der Thermografie // Blower-Door-Messungen // "zerstörungsfreies Nachdenken" oder "kleine zerstörende Untersuchungen"? // Erkennen von Schadstoffen // Witterungsschutz von Fassaden insbesondere bei Innendämmungen // Energetische Modernisierung von Holzkastenfensterkonstruktionen // Sockelausbildung bei Putz- und Wärmedämmverbundsystemen // Natursteinuntersuchungen bei historischen Objekten // Planung und Ausführung mechanischer Horizontalsperren // Injektionsstoffe für nachträgliche chemische Horizontalsperren // Erste Praxiserfahrungen mit einem neu entwickelten Wärmedämmputzsystem // Alterung, Schäden und Sanierung harnstoffverklebter Holztragwerke // VOC-freie, lösungsmittelbasierte Bekämpfungsmittel // In-situ-Messgerät // Energetische Sanierungsmethoden von großflächigen Fenstern // DIN 4108 Teil 2, 3 - Neuerungen und Kritik // Öffentliche Ausschreibungen // Holzschäden an tragenden Bauteilen einer Biogasanlage durch aggressive Chemikalien // Versuche zur Konsolidierung der Moai-Statuen auf den Osterinseln // Themendiskussion: Gebrauchsklasse 0 nach DIN 68800.

Förderung erneuerbarer Energien im Bundesland Nordrhein-Westfalen

Eine politikwissenschaftliche Analyse der Auswirkungen des Regierungswechsels nach den Landtagswahlen 2005

ibidem-Verlag / ibidem Press Der weltweite Einsatz erneuerbarer Energien aus Wind, Sonne, Wasser, Biomasse und Erdwärme ist im Kontext der aktuellen Diskussion um den Klimawandel eine der wichtigsten Herausforderungen der nächsten Jahrzehnte. Ihre Förderung bis zur Marktreife bedarf politischer und finanzieller Unterstützung. Deutschland nimmt hier im internationalen Vergleich eine Vorreiterrolle ein. Politikwissenschaftliche Analysen der erfolgreichen Förderpolitik der letzten Jahre nehmen primär die nationale Ebene ins Visier, doch lohnt sich, wie Katharina Istel in ihrer Untersuchung zeigt, auch ein Blick auf die anderen Ebenen des föderalen Systems. Am Beispiel Nordrhein-Westfalens untersucht sie, welche Förderkompetenzen die Bundesländer haben, den Einsatz erneuerbarer Energien zu forcieren, und wie sich die Förderpolitik bei veränderten Rahmenbedingungen bezüglich Kontinuität und Wandel entwickelt. Katharina Istel zeigt und erklärt anschaulich, wie sich diese in Nordrhein-Westfalen nach dem allgemein als einschneidend wahrgenommenen Regierungswechsel 2005 zwischen diesen beiden Polen bewegt.

Large Infrastructure Projects in Germany

Between Ambition and Realities

Springer This book presents an analysis of why some large infrastructure projects are delayed or compromised and offers important insights into the better delivery of future projects. It provides an important reaction to the ambitious €315 billion investment plan devised by the European Commission, wherein Europe's infrastructure is a key investment target. Germany is adopted as a focus, as Europe's largest economy, and a nation that has seen significant delays and tensions in the delivery of key infrastructure projects. The contributions to this volume demonstrate various patterns for infrastructure assets and illustrate how factors such as poor project governance, early planning mistakes, inappropriate risk management and unforeseen technological challenges influence delivery. The in-depth case studies on the Berlin Brandenburg Airport, the Hamburg Elbphilharmonie, and offshore wind parks show how project delivery can face massive problems, and illuminating solutions are offered to these problems. Overall, the case of Germany also offers the opportunity to assess various new forms of project delivery, such as public-private partnerships (PPP), and the risks and opportunities of ambitious first-mover 'pioneer' projects. The book will be of great interest for scholars and upper-level students of human geography, business and management, as well as policy makers.

The Technological and Economic Future of Nuclear Power

Springer This open access book discusses the eroding economics of nuclear power for electricity generation as well as technical, legal, and political acceptance issues. The use of nuclear power for electricity generation is still a heavily disputed issue. Aside from technical risks, safety issues, and the unsolved problem of nuclear waste disposal, the economic performance is currently a major barrier. In recent years, the costs have skyrocketed especially in the European countries and North America. At the same time, the costs of alternatives such as photovoltaics and wind power have significantly decreased. Contents History and Current Status of the World Nuclear Industry The Dramatic Decrease of the Economics of Nuclear Power Nuclear Policy in the EU The Legacy of Cernobyl and Fukushima Nuclear Waste and Decommissioning of Nuclear Power Plants Alternatives: Heading Towards Sustainable Electricity Systems Target Groups Researchers and students in the fields of political, economic and technical sciences Energy (policy) experts, nuclear energy experts and practitioners, economists, engineers, consultants, civil society organizations The Editors Prof. Dr. Reinhard Haas is University Professor of energy economics at the Institute of Energy Systems and Electric Drives at Technische Universität Wien, Austria. PD Dr. Lutz Mez is Associate Professor at the Department for Political and Social Sciences of Freie Universität Berlin, Germany. PD Dr. Amela Ajanovic is a senior researcher and lecturer at the Institute of Energy Systems and Electrical Drives at Technische Universität Wien, Austria.--

Facade Construction Manual

Walter de Gruyter «Facade Construction Manual» provides a systematic survey of contemporary expertise in the application of new materials and energy-efficient technologies in facade design. It surveys the facade design requirements made by various types of buildings, as well as the most important materials, from natural stone through to synthetics, and documents a diversity of construction forms for a wide range of building types.

Energy Economics

Concepts, Issues, Markets and Governance

Springer Nature This book provides an updated and expanded overview of basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues in the light of recent developments, such as the Paris Agreement, the UN Sustainable Development Goals and new technological developments in the production and use of energy. The new edition is divided into four parts covering concepts, issues, markets, and governance. Although the content has been thoroughly revised and rationalised to reflect the current state of knowledge, it retains the main features of the first edition, namely accessibility, research-informed presentation, and extensive use of charts, tables and worked examples. This easily accessible reference book allows readers to gain the skills required to understand and analyse complex energy issues from an economic perspective. It is a valuable resource for students and researchers in the field of energy economics, as well as interested readers with an interdisciplinary background.

Strategies for Sustainable Architecture

Taylor & Francis Filling a gap in existing literature on sustainable design, this new guide introduces and illustrates sustainable design principles through detailed case studies of sustainable buildings in Europe, North America and Australia. The guide will provide the reader with a deeper understanding of the design issues involved in delivering sustainable buildings, and giving detailed description of the process of integrating principles into practice. Approximately one hundred case studies of sixty buildings, ranging from small dwellings to large commercial buildings, and drawn from a range of countries, demonstrate best current practice. The sections of the book are divided into design issues relating to sustainable development, including site and ecology, community and culture, health, materials, energy and water. With over 400 illustrations, this highly visual guide will be an invaluable reference to all those concerned with architecture and sustainability issues.

Power and Gas Asset Management

Regulation, Planning and Operation of Digital Energy Systems

Springer Nature This book offers meaningful insights into an impending challenge for the energy industry, namely the increasing role of asset management amongst the utilities' core operations. In the aftermath of energy digitalization, power and gas companies will be able to seize asset productivity—through risk-based operation and maintenance—and better balance capital and operational expenditures. By addressing the asset management of both power and gas infrastructures, and by adopting a comprehensive approach—including regulation and business models, as well as a solid technology background—this book offers a unique perspective on the energy utilities' transformation journey and the road to optimal decision-making for both asset portfolio expansion and replacement. The asset management end-to-end mission requires appropriate internal governance—depending on the business framework—and the development of decision aid models (for asset replacement and maintenance), supported on probabilistic risk and reliability indexes. This book advocates systematically digitalizing the power and gas assets, addressing both data governance and infrastructure, alongside real-time equipment condition monitoring. It also provides a meaningful methodology for designing data-centric asset management and predictive operation and maintenance, using artificial intelligence and engineering-based approaches. As such, it provides valuable strategy, methods and models—illustrated by case studies and proofs of concept—for a wide range of stakeholders, including utilities and industry professionals, regulators, policy-makers, researchers and students.

Decentralised Energy

A Global Game Changer

Ubiquity Press The energy system is undergoing a fundamental transformation - from fossil to renewable energy, from central power plants to distributed, decentralised generation facilities such as rooftop solar panels or wind parks, from utilities to private residents as producers of energy, and from analogue to digital. This book looks at the energy transformation from two complementary angles: governance and business model innovation. On the one side, governance is a decisive factor for the success of the transformation because it can act as an accelerator, or it can delay the process. On the other side, entrepreneurs and corporate decision-makers provide new business models for a decentralised energy world. Based on best practices, country studies and interviews with CEOs and founders of startups from all over the world, the "Global Game Changer" suggests eight key principles for political decision-makers to successfully implement the transformation, and six core competencies for corporate decision-makers to thrive in the new marketplace.

The 'Made in Germany' Champion Brands

Nation Branding, Innovation and World Export Leadership

Routledge Germany's economic miracle is a widely-known phenomenon, and the world-leading, innovative products and services associated with German companies are something that others seek to imitate. In The 'Made in Germany' Champion Brands, Ugesh A. Joseph provides an extensively researched, insightful look at over 200 of Germany's best brands to see what they stand for, what has made them what they are today, and what might be transferable. The way Germany is branded as a nation carries across into the branding of its companies and services, particularly the global superstar brands - truly world-class in size, performance and reputation. Just as important are the medium-sized and small enterprises, known as the 'Mittelstand'. These innovative and successful enterprises from a wide range of industries and product / service categories are amongst the World market leaders in their own niche and play a huge part in making Germany what it is today. The book also focuses on German industrial entrepreneurship and a selection of innovative and emergent stars. All these companies are supported and encouraged by a sophisticated infrastructure of facilitators, influencers and enhancers - the research, industry, trade and standards organizations, the fairs and exhibitions and all the social and cultural factors that influence, enhance and add positive value to the country's image. Professionals or academics interested in business; entrepreneurship; branding and marketing; product or service development; international trade and business development policy, will find fascinating insights in this book; while those with an interest in Germany from emerging industrial economies will learn something of the secrets of German success.

CCS Guidelines

Guidelines for Carbon Dioxide Capture, Transport, and Storage

World Resources Inst The Carbon Dioxide Capture and Storage (CCS) Guidelines effort was initiated to develop a set of preliminary guidelines and recommendations for the deployment of CCS technologies in the United States, to ensure that CCS projects are conducted safely and effectively. The guidelines are written for those who may be involved in decisions on a proposed project: the developers, regulators, financiers, insurers, project operators, and policy makers. These guidelines are intended to guide full-scale demonstration of and build public confidence in CCS technologies by informing how projects should be conducted.

Sustainability in a Digital World

New Opportunities Through New Technologies

Springer This book offers a comprehensive introduction to the different emerging concepts in the innovative area of sustainability and digital technology. More than 20 leading thinkers from the fields of digitalization, strategic management, sustainability and organizational development share clearly structured insights on the latest developments, advances and remaining challenges concerning the role of sustainability in an increasingly digital world. The authors not only introduce a profound and unique analysis on the state-of-the art of sustainability and digital transformation, but also provide business leaders with practical advice on how to apply the latest management thinking to their daily business decisions. Further, a number of significant case studies exemplify the issues discussed and serve as valuable blueprints for decision makers.

The Theory of the Avant-garde

Harvard University Press Convinced that all aspects of modern culture have been affected by avant-garde art, Poggioli explores the relationship between the avant-garde and civilization. Historical parallels and modern examples from all the arts are used to show how the avant-garde is both symptom and cause of many major extra-aesthetic trends of our time, and that the contemporary avant-garde is the sole and authentic one.

Handbook of Clean Energy Systems, 6 Volume Set

John Wiley & Sons The Handbook of Clean Energy Systems brings together an international team of experts to present a comprehensive overview of the latest research, developments and practical applications throughout all areas of clean energy systems. Consolidating information which is currently scattered across a wide variety of literature sources, the handbook covers a broad range of topics in this interdisciplinary research field including both fossil and renewable energy systems. The development of intelligent energy systems for efficient energy processes and mitigation technologies for the reduction of environmental pollutants is explored in depth, and environmental, social and economic impacts are also addressed. Topics covered include: Volume 1 - Renewable Energy: Biomass resources and biofuel production; Bioenergy Utilization; Solar Energy; Wind Energy; Geothermal Energy; Tidal Energy. Volume 2 - Clean Energy Conversion Technologies: Steam/Vapor Power Generation; Gas Turbines Power Generation; Reciprocating Engines; Fuel Cells; Cogeneration and Polygeneration. Volume 3 - Mitigation Technologies: Carbon Capture; Negative Emissions System; Carbon Transportation; Carbon Storage; Emission Mitigation Technologies; Efficiency Improvements and Waste Management; Waste to Energy. Volume 4 - Intelligent Energy Systems: Future Electricity Markets; Diagnostic and Control of Energy Systems; New Electric Transmission Systems; Smart Grid and Modern Electrical Systems; Energy Efficiency of Municipal Energy Systems; Energy Efficiency of Industrial Energy Systems; Consumer Behaviors; Load Control and Management; Electric Car and Hybrid Car; Energy Efficiency Improvement. Volume 5 - Energy Storage: Thermal Energy Storage; Chemical Storage; Mechanical Storage; Electrochemical Storage; Integrated Storage Systems. Volume 6 - Sustainability of Energy Systems: Sustainability Indicators, Evaluation Criteria, and Reporting; Regulation and Policy; Finance and Investment; Emission Trading; Modeling and Analysis of Energy Systems; Energy vs. Development; Low Carbon Economy; Energy Efficiencies and Emission Reduction. Key features: Comprising over 3,500 pages in 6 volumes, HCES presents a comprehensive overview of the latest research, developments and practical applications throughout all areas of clean energy systems, consolidating a wealth of information which is currently scattered across a wide variety of literature sources. In addition to renewable energy systems, HCES also covers processes for the efficient and clean conversion of traditional fuels such as coal, oil and gas, energy storage systems, mitigation technologies for the reduction of environmental pollutants, and the development of intelligent energy systems. Environmental, social and economic impacts of energy systems are also addressed in depth. Published in full colour throughout. Fully indexed with cross referencing within and between all six volumes. Edited by leading researchers from academia and industry who are internationally renowned and active in their respective fields. Published in print and online. The online version is a single publication (i.e. no updates), available for one-time purchase or through annual subscription.

Spawning Migration of the European Eel

Reproduction index, a useful tool for conservation management

Springer Science & Business Media Freshwater eels are almost infinitely improbable creatures. They spawn and die in the middle of the ocean, often associated with undersea mountains. Their transparent, leaf-like larvae move with ocean currents for months or years until they approach the mouths of freshwater rivers. Then they undergo a dramatic transformation in morphology, physiology and behavior. They move from their planktonic oceanic environment, migrate upstream and live for several years as apex freshwater predators. Then, almost impossibly, as they become sexually mature, they reverse their migration downstream to the ocean and back to spawning grounds to complete their life cycle. The dramatic changes in their life cycles are incredible. The efforts to unravel the details of their life history have been truly daunting. Much of the past research was the work of dedicated individuals who devoted their lifetime research to these fishes. Freshwater eels merit a separate chapter in almost any textbook dealing with ichthyology, marine biology or animal migration. We know a great deal about some aspects of the biology of freshwater eels. However, our understanding of their biology still resembles a work of art as much as a work of science. To some it appears like the sweeping brush strokes of a Japanese Zen landscape, to others it resembles the work of a French impressionist, and to still others it appears as magic realism.

Policy and Planning for Large Infrastructure Projects

Problems, Causes, Cures

World Bank Publications

Regulatory Pathways For Smart Grid Development in China

Springer The study's recommendations describe institutional elements in the context of electric power sector regulation and has the objective to increase the understanding of the interdependencies of the institutional elements. In future work, the study results might be employed for designing very specific regulatory policies. The recommendations developed in this study focus primarily on the regulatory framework for smart grids and contains a quite detailed description of how the German electricity markets evolved. It also focuses on the effects of ambitiously expanding generation capacities of renewable energy sources (RES) on established electricity markets. The presented evidence will provide insights on how the regulatory framework in China could be designed to foster smart grids developments in the context of establishing electricity markets and expanding RES generation capacities.

Hydrogen and Fuel Cell

Technologies and Market Perspectives

Springer This book introduces readers to hydrogen as an essential energy carrier for use with renewable sources of primary energy. It provides an overview of the state of the art, while also highlighting the developmental and market potential of hydrogen in the context of energy technologies; mobile, stationary and portable applications; uninterruptible power supplies and in the chemical industry. Written by experienced practitioners, the book addresses the needs of engineers, chemists and business managers, as well as graduate students and researchers.

Spaces and Identities in Border Regions

Politics - Media - Subjects

transcript Verlag Spatial and identity research operates with differentiations and relations. These are particularly useful heuristic tools when examining border regions where social and geopolitical demarcations diverge. Applying this approach, the authors of this volume investigate spatial and identity constructions in cross-border contexts as they appear in everyday, institutional and media practices. The results are discussed with a keen eye for obliquely aligned spaces and identities and relinked to governmental issues of normalization and subjectivation. The studies base upon empirical surveys conducted in Germany, France, Belgium and Luxembourg.

Global Corruption Report: Climate Change

Routledge The global response to climate change will demand unprecedented international cooperation, deep economic transformation and resource transfers at a significant scale. Corruption threatens to jeopardise these efforts. Transparency International's Global Corruption Report: Climate Change is the first publication to comprehensively explore such corruption risks. More than fifty leading experts and practitioners contribute, covering four key areas: governance: investigating major governance challenges towards tackling climate change mitigating climate change: reducing greenhouse gas emissions with transparency and accountability adapting to climate change: identifying corruption risks in climate-proofing development, financing and implementation of adaptation forestry governance: responding to the corruption challenges plaguing the forestry sector, and how these challenges need to be integrated into current international strategies to halt deforestation and promote reforestation. The Global Corruption Report: Climate Change provides essential policy analysis to help policy-makers, practitioners and other stakeholders understand these risks and develop effective responses at a critical point in time when the main architecture for climate governance is being developed.

System Efficiency by Renewable Electricity

Strategies for Efficient Energy Supply until 2050

Springer Nature In this book, a more detailed analysis is performed on the basis of quarter-hourly time series of the supply of wind energy and photovoltaics. The end use including electromobility is also presented with more detailed time series of the load profiles for summer and winter and thereby for weekdays and weekends in each case. The subsequent analysis clarifies whether the renewable potentials are sufficient, what the optimal generation scenarios and infrastructures of the future could look like, and what the situation is with regard to affordability and environmental compatibility.

Computational Science and Its Applications -- ICCSA 2013

13th International Conference, ICCSA 2013, Ho Chi Minh City, Vietnam, June 24-27, 2013, Proceedings, Part V

Springer The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi Minh City, Vietnam in June 2013. The 248 revised papers presented in five tracks and 33 special sessions and workshops were carefully reviewed and selected. The 46 papers included in the five general tracks are organized in the following topical sections: computational methods, algorithms and scientific applications; high-performance computing and networks; geometric modeling, graphics and visualization; advanced and emerging applications; and information systems and technologies. The 202 papers presented in special sessions and workshops cover a wide range of topics in computational sciences ranging from computational science technologies to specific areas of computational sciences such as computer graphics and virtual reality.

The Sustainable Company

A New Approach to Corporate Governance

ETUI For the past two decades corporate governance reform in Europe has been guided by the 'shareholder value' model of the firm. That model has been discredited as one of the major causes of the financial and economic crisis. In a new book published by the ETUI an alternative approach to corporate governance is presented by members of the GOODCORP network of researchers and trade unionists. This new approach, entitled the Sustainable Company, draws on both traditional 'stakeholder' models of the firm and newer concerns with sustainability. The main elements of the Sustainable Company and the institutions needed to support it are presented. Key themes in the book are the need for worker 'voice' in corporate governance and for a binding legislative framework to promote sustainability. Individual chapters deal with the issues of worker involvement, employee shareholding, sustainability-oriented remuneration, international framework agreements, NGO-trade union relationships, reforming financial regulation and carbon taxes and emissions-trading schemes.

The Handbook of Biomass Combustion and Co-firing

Earthscan This unique handbook presents both the theory and application of biomass combustion and co-firing, from basic principles to industrial combustion and environmental impact, in a clear and comprehensive manner. It offers a solid grounding on biomass combustion, and advice on improving combustion systems. Written by leading international academics and industrial experts, and prepared under the auspices of the IEA Bioenergy Implementing Agreement, the handbook is an essential resource for anyone interested in biomass combustion and co-firing technologies varying from domestic woodstoves to utility-scale power generation. The book covers subjects including biomass fuel pre-treatment and logistics, modelling the combustion process and ash-related issues, as well as featuring an overview of the current R&D needs regarding biomass combustion.

Social Responsibility and Sustainability

How Businesses and Organizations Can Operate in a Sustainable and Socially Responsible Way

Springer This book comprehensively describes social responsibility and sustainable development, with contributions from scientists and representatives from industry working in the field. The papers are innovative, cross-cutting and many share practice-based experiences, some of which may be replicable elsewhere. Prepared by the Inter-University Sustainable Development Research Programme (IUSDRP) and the World Sustainable Development Research and Transfer Centre (WSD-RTC), it reiterates the current need to promote social responsibility. Social responsibility and sustainable development are two different concepts, whose integration over the years has led to significant advances in the way enterprises see and perceive their operations. It is not only about policies or steps taken to meet legal requirements, but is also about social equality and environmental accountability, also bearing in mind the links with eco-efficiency, innovation, and the health and wellbeing of workers. According to ISO 26000, social responsibility is the responsibility of an organisation for the impacts of its decisions and activities on society and the environment, through transparent and ethical behaviour that: a) contributes to sustainable development, including health and the welfare of society b) takes into account the expectations of stakeholders c) is in compliance with applicable law and consistent with international norms of behaviour d) is integrated throughout the organisation and practised in its relationships. But even though the relations between social responsibility and sustainability are strong, it is still necessary to encourage organisations to adhere to, or at least follow the principles of sustainable development in their operations, giving something back to the community. As such, there is a need for a better understanding of how social responsibility is related to sustainable development, and of the identification of processes, methods and tools that may help the integration of these two important elements. There is also a real need to showcase successful examples of how to structure behaviour and institutional practice in line with the sustainability challenges we face today. Chapter [Reviewing the Stakeholder Value Creation Literature: Towards a Sustainability Approach] is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Landscape and Power in Geographical Space as a Social-Aesthetic Construct

Springer This book examines the power definiteness of landscape from a social constructivist perspective with a particular focus on the importance of aesthetic concepts of landscape in development. It seeks to answer the question of how societal notions of landscape emerge, how they are individually updated and how these ideas affect the use and design of physical space. It also analyzes how physical manifestations of societal activity impact on understandings of individual and societal landscapes and addresses the essential aspect of the social construction of landscape, cultural specificity, which in turn is discussed in the context of the expansion of a western landscape concept. The book offers an unprecedented, comprehensive and detailed examination of societal power relations in the context of landscape development. The numerous case studies from the physical manifestation of modern spatial planning in the United States, the power discourses concerning the design of model railway landscapes, and the medial production of stereotypical landscape notions shed light on the complex and multilayered interactions of collective and individual landscape references. It is a valuable resource for geographers, sociologists, landscape architects, landscape planners and philosophers.

Wind Power in View

Energy Landscapes in a Crowded World

Academic Press More than ever, travelers are encountering a different sort of landscape, one not only of nature but of technology. *Wind Power in View* is the first authoritative discourse on the aesthetic impact of wind turbines on the landscape and what can be done about it. It is a detailed and thoroughly illustrated discussion of the issue from several different perspectives. The book also provides an overview of the status of wind energy at the dawn of the new millennium, examines some of the ongoing battles, and offers guidelines on minimizing its visual impact. Taking examples from the United States, Germany, Denmark, Great Britain, and Sweden, *Wind Power in View* is the first book to tackle the thorny land use questions raised by wind energy's hard won respectability. What will be the future of wind energy? Will it be welcomed as savior, or will it be opposed as a new-age intrusion on open space and landscape preservation? These 11 essays, international in nature and written by objective experts, address landscape issues in creative, original ways. International focus, with examples from Germany, Denmark, Great Britain, Sweden and the United States The first book to tackle land use questions raised by wind energy's hard won respectability Addresses landscape issues in creative, original ways

Neo-Colonialism

The Last Stage of Imperialism

Kwame Nkrumah NEO-COLONIALISM THE LAST STAGE OF IMPERIALISM This is the book which, when first published in 1965, caused such an uproar in the US State Department that a sharp note of protest was sent to Kwame Nkrumah and the \$25million of American "aid" to Ghana was promptly cancelled.

Wind Power for the World

The Rise of Modern Wind Energy

CRC Press This book sheds light on how the modern 3-bladed wind turbine came into being, and who, how and what in the preceding period caused the success. It looks back over three decades to find the roots of this exciting development, a long cavalcade of developers, inventors, and manufacturers including the Danish authors who themselves were part of the b

Technological Learning in the Energy Sector

Lessons for Policy, Industry and Science

Edward Elgar Publishing 'This expert analysis provides an important contribution to understanding the technicalities of energy technology cost dynamics. Given the urgent need for delivery of low-cost renewable energy technologies in particular, it is vital to understand how to accelerate this process of technological learning.' - Miguel Mendonca, World Future Council, Germany

Germany's Energy Transformation

Difficult Beginnings

Fluid Machinery and Fluid Mechanics

4th International Symposium (4th ISFMFE)

Springer Science & Business Media "Fluid Machinery and Fluid Mechanics: 4th International Symposium (4th ISFMFE)" is the proceedings of 4th International Symposium on Fluid Machinery and Fluid Engineering, held in Beijing November 24-27, 2008. It contains 69 highly informative technical papers presented at the Mei Lecture session and the technical sessions of the symposium. The Chinese Society of Engineering Thermophysics (CSET) organized the First, the Second and the Third International Symposium on Fluid Machinery and Fluid Engineering (1996, 2000 and 2004). The purpose of the 4th Symposium is to provide a common forum for exchange of scientific and technical information worldwide on fluid machinery and fluid engineering for scientists and engineers. The main subject of this symposium is "Fluid Machinery for Energy Conservation". The "Mei Lecture" reports on the most recent developments of fluid machinery in commemoration of the late professor Mei Zuyan. The book is intended for researchers and engineers in fluid machinery and fluid engineering. Jianzhong Xu is a professor at the Chinese Society of Engineering Thermophysics, Chinese Academy of Sciences, Beijing.

The Solar Economy

Renewable Energy for a Sustainable Global Future

Routledge The global economy and our way of life are based on the exploitation of fossil fuels, which not only threaten massive environmental and social disruption through global warming but, at present rates of consumption, will run out within decades, causing huge industrial dislocation and economic collapse. Even before then, the conflicts it causes in the Middle East and elsewhere will be frighteningly exacerbated. The alternative exists: renewable energy from renewable sources - above all, solar. Substituting renewable for fossil resources will take a new industrial revolution to avert the worst of the damage and establish a new international order. It can be done, and it can be done in time. The Solar Economy, by one of the world's most effective analysts and advocates, lays out the blueprints, showing how the political, economic and technological challenges can be met using indigenous, renewable and universally available resources, and the enormous opportunities and benefits that will flow from doing so.

Comparative Renewables Policy

Political, Organizational and European Fields

Routledge Challenging one-eyed technology-focused accounts of renewables policy, this book provides a ground-breaking, deep-diving and genre-crossing longitudinal study of policy development. The book develops a multi-field explanatory approach, capturing inter-relationships between actors often analyzed in isolation. It provides empirically rich and systematically conducted comparative case studies on the political dynamics of the ongoing energy transition in six European countries. While France, Germany, Poland and the United Kingdom opted for 'technology-specific' renewables support mixes, Norway and Sweden embarked on 'technology-neutral' support mixes. Differences between the two groups result from variations in domestic political and organizational fields, but developments over time in the European environment also spurred variation. These findings challenge more simplistic and static accounts of Europeanization. This volume will be of key interest to scholars and students of energy transitions, comparative climate politics, policy theory, Europeanization, European integration and comparative European politics more broadly, as well practitioners with an interest in renewable energy and climate transition.