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Electrical Drives - Jens Weidauer 2014-07-07

From the point of view of a user this book covers all aspects of modern electrical drives. It is aimed at both users, who wish to understand, design, use, and maintain electrical drives, as well as specialists, technicians, engineers, and students, who wish to gain a comprehensive overview of electrical drives. Jens Weidauer and Richard Messer describe the principles of electrical drives, their design, and application, through to complex automation solutions. In the process, they introduce the entire spectrum of drive solutions available and their main applications. A special aspect is the combination of multiple drives to form a drive system, as well as the integration of drives into automation solutions. In simple and clear language, and supported with many diagrams, complex relationships are described and presented in an easy-to-understand way. The authors deliberately avoid a comprehensive mathematical treatment of their subject and instead

focus on a coherent description of the active principles and relationships. As a result, the reader will be in a position to understand electrical drives as a whole and to solve drive-related problems in everyday professional life.

Advanced Technologies for Future Transmission Grids - Gianluigi Migliavacca 2012-12-04

The re-engineering of power transmission systems is crucial to meeting the objectives of such regulators as the European Union. In addition to its market, organisational and regulatory aspects, this re-engineering will also involve technical issues dealing with the progressive integration of innovative transmission technologies in the daily operation of transmission system operators. In this context, *Advanced Technologies for Future Transmission Grids* provides an overview of the most promising technologies, likely to be of help to planners of transmission grids in responding to the challenges of the future: security of

supply; integration of renewable generation; and creation of integrated energy markets (using the European case as an example). These issues have increased importance because of administrative complication and the fragmentation of public opinion expressed on the build up of new infrastructure. For each technology discussed, the focus is on the technical-economic perspective rather than on purely technological points of view. A transmission-system-operator-targeted Technology Roadmap is presented for the integration of promising innovative power transmission technologies within power systems of the mid-long term. Although the primary focus of this text is in the sphere of the European energy market, the lessons learned can be generalized to the energy markets of other regions.

Building Industries at Sea - 'Blue Growth' and the New Maritime Economy - Kate Johnson 2022-09-01

Throughout the world there is evidence of mounting interest in marine resources and new maritime industries to create jobs, economic growth and to help in the provision of energy and food security. Expanding populations, insecurity of traditional sources of supply and the effects of climate change add urgency to a perceived need to address and overcome the serious challenges of working in the maritime environment. Four promising areas of activity for 'Blue Growth' have been identified at European Union policy level including Aquaculture; Renewable Energy (offshore wind, wave and tide); Seabed Mining; and Blue Biotechnology. Work has started to raise the technological and investment readiness levels (TRLs and IRLs) of these prospective industries drawing on the experience of established maritime industries such as Offshore Oil and Gas;

Shipping; Fisheries and Tourism. An accord has to be struck between policy makers and regulators on the one hand, anxious to direct research and business incentives in effective and efficient directions, and developers, investors and businesses on the other, anxious to reduce the risks of such potentially profitable but innovative investments. The EU H2020 MARIBE (Marine Investment for the Blue Economy) funded project was designed to identify the key technical and non-technical challenges facing maritime industries and to place them into the social and economic context of the coastal and ocean economy. MARIBE went on to examine with companies, real projects for the combination of marine industry sectors into multi-use platforms (MUPs). The purpose of this book is to publish the detailed analysis of each prospective and established maritime business sector. Sector experts working to a common template explain what these industries are, how they work, their prospects to create wealth and employment, and where they currently stand in terms of innovation, trends and their lifecycle. The book goes on to describe progress with the changing regulatory and planning regimes in the European Sea Basins including the Caribbean where there are significant European interests. The book includes:

- Experienced chapter authors from a truly multidisciplinary team of sector specialisms
- First extensive study to compare and contrast traditional Blue Economy with Blue Growth
- Complementary to EU and National policies for multi-use of maritime space

International Shipping - Ralf Witthohn 2022-12-04
Based on thoroughly researched texts and rare photographs this book describes the actual developments of international shipping and all the facets connected to overseas good flows. Main source for

the deep reaching insight into the maritime industry are authentic reports carried out at the focusses of the shipping scene. By explaining the design und purpose of nowadays ship types, the different ways of cargo handling as well as the activities of shipowners and operators is painted a representative and rich-illustrated picture of the actual maritime scene.

China Telecom Monthly Newsletter June 2010 -

The Blue Book of Canadian Business - 2010

Ultra-High Voltage AC/DC Grids - Zhenya Liu 2014-12-11

The UHV transmission has many advantages for new power networks due to its capacity, long distance potential, high efficiency, and low loss. Development of UHV transmission technology is led by infrastructure development and renewal, as well as smart grid developments, which can use UHV power networks as the transmission backbone for hydropower, coal, nuclear power and large renewable energy bases. Over the years, State Grid Corporation of China has developed a leading position in UHV core technology R&D, equipment development, plus construction experience, standards development and operational management. SGCC built the most advanced technology 'two AC and two DC' UHV projects with the highest voltage-class and largest transmission capacity in the world, with a cumulative power transmission of 10TWh. This book comprehensively summarizes the research achievement, theoretical innovation and engineering practice in UHV power grid construction in China since 2005. It covers the key technology and parameters used in the design of the UHV transmission network, shows readers the technical problems State Grid encountered during the construction,

and the solution they come up with. It also introduces key technology like UHV series compensation, DC converter valve, and the systematic standards and norms. Discusses technical characteristics and advantages of using of AC/DC transmission system Includes applications and technical standards of UHV technologies Provides insight and case studies into a technology area that is developing worldwide Introduces the technical difficulties encountered in design and construction phase and provides solutions

Power Cable Technology - Sushil Kumar Ganguli 2016-04-27

Power Cable Technology provides a precise understanding of the design, manufacture, installation, and testing of a range of electric power cables—from low-voltage, 1,000/1,100V cables to extra-high-voltage, 400kV cables—with reference to future trends in the industry. The authors' mantra is: know your cable. Thus, the book begins with a comprehensive overview of power cable design and manufacturing through the ages, and then: Describes the characteristics of the materials currently used in the production of various power cables Explains how to calculate the die orifice for drawing wires, how tolerance in manufacturing affects material weight and consumption, and how and why lubricants are used Addresses the formation, stranding, and insulation of the electrical conductors, as well as the sheathing, armouring, and protective covering of the power cables Delivers an in-depth discussion of quality systems, quality control, and performance testing Covers the many nuances of cable installation, including laying, jointing, and terminating Throughout, the authors emphasise consonance between design theory and practical application to ensure production of a quality power cable at a reasonable cost. They also underscore the

importance of careful handling, making Power Cable Technology a must read for power cable engineers and technicians alike.

Cleary Gottlieb Antitrust Developments in Europe 2020 - LexisNexis Editorial Staff 2021-12-17

Cleary Gottlieb Antitrust Developments in Europe, covers a number of topics such as: the application of EU and national antitrust laws to domestic and cross-border mergers, acquisitions, joint ventures and minority holdings; relations among competitors and among companies operating at different levels of trade; the behavior of dominant companies; the application of State aid rules; proceedings before the European Commission and national antitrust authorities; arbitration; and litigation before the European Courts and national courts.

Broadband Monthly Newsletter June 2010 -

Competition Law of the European Union - Van Bael & Bellis 2021-03-01

This new Sixth Edition of a major work by the well-known competition law team at Van Bael & Bellis in Brussels brings the book up to date to take account of the many developments in the case law and relevant legislation that have occurred since the Fifth Edition in 2010. The authors have also taken the opportunity to write a much-extended chapter on private enforcement and a dedicated section on competition law in the pharmaceutical sector. As one would expect, the new edition continues to meet the challenge for businesses and their counsel, providing a thoroughly practical guide to the application of the EU competition rules. The critical commentary cuts through the theoretical underpinnings of EU competition law to expose its actual impact on

business. In this comprehensive new edition, the authors examine such notable developments as the following: important rulings concerning the concept of a restriction by object under Article 101; the extensive case law in the field of cartels, including in relation to cartel facilitation and price signalling; important Article 102 rulings concerning pricing and exclusivity, including the Post Danmark and Intel judgments, as well as standard essential patents; the current block exemption and guidelines applicable to vertical agreements, including those applicable to the motor vehicle sector; developments concerning online distribution, including the Pierre Fabre and Coty rulings; the current guidelines and block exemptions in the field of horizontal cooperation, including the treatment of information exchange; the evolution of EU merger control, including court defeats suffered by the Commission and the case law on procedural infringements; the burgeoning case law related to pharmaceuticals, including concerning reverse payment settlements; the current technology transfer guidelines and block exemption; procedural developments, including in relation to the right to privacy, access to file, parental liability, fining methodology, inability to pay and hybrid settlements; the implementation of the Damages Directive and the first interpretative rulings. As a comprehensive, up-to-date and above all practical analysis of the EU competition rules as developed by the Commission and EU Courts, this authoritative new edition of a classic work stands alone. Like its predecessors, it will be of immeasurable value to both business persons and their legal advisers.

Applications in Electronics Pervading Industry, Environment and Society - Alessandro De Gloria

2017-06-01

This book provides a thorough overview of cutting-edge research on electronics applications relevant to industry, the environment, and society at large. It covers a broad spectrum of application domains, from automotive to space and from health to security, while devoting special attention to the use of embedded devices and sensors for imaging, communication and control. The book is based on the 2016 ApplePies Conference, held in Rome, Italy in September 2016, which brought together researchers and stakeholders to consider the most significant current trends in the field of applied electronics and to debate visions for the future. Areas addressed by the conference included information communication technology; biotechnology and biomedical imaging; space; secure, clean and efficient energy; the environment; and smart, green and integrated transport. As electronics technology continues to develop apace, constantly meeting previously unthinkable targets, further attention needs to be directed toward the electronics applications and the development of systems that facilitate human activities. This book, written by industrial and academic professionals, represents a valuable contribution in this endeavor.

Corporate Governance and Responsible Investment in Private Equity - Simon Witney 2021-01-07

Private equity-backed companies are ubiquitous and economically significant. Consequently, the corporate governance of these companies matters to all of us, and – not surprisingly – is coming under increasing scrutiny. Simon Witney, a practicing private equity lawyer, positions private equity portfolio companies within existing academic theory and examines the laws that apply to them in the UK. He analyses the actual

governance frameworks that are put in place and identifies problems created by the legal rules – as well as the market's solutions to them. This book not only explains why these governance mechanisms are established, but also what they are expected to achieve. Witney suggests that private equity owners have both the incentives and the capability to focus on responsible investment practices. Good governance, he argues, is a critical success factor for the private equity industry.

The Business Year: Turkey 2020 - 2019-12-20

Much has changed in the Turkish economy since The Business Year's last publication on the country in 2016. Then, the economy was experiencing a sustained period of high growth at a time when much of the rest of the world was still struggling to recover from the global recession. On our 2019 return to Turkey to produce this publication, the country was in the grip of a sharp drop in its currency's value and the onset of economic recession. Beleaguered by high interest rates and a decline in domestic consumer demand, companies canceled planned investments and corporate loans began souring. Despite this, the year ended optimistically, with the economy beating growth estimates, inflation reined in, and lower global and domestic interest rates providing a needed boost in investment activity. The Business Year's country-specific publications, sometimes featuring over 150 face-to-face interviews, are among the most comprehensive annual economic publications available internationally.

European Telecom Monthly Newsletter June 2010 -

Submarine Power Cables - Thomas Worzyk 2009-08-11

The demand for high-performance submarine power cables is increasing as more and more offshore wind parks are

installed, and the national electric grids are interconnected. Submarine power cables are installed for the highest voltages and power to transport electric energy under the sea between islands, countries and even continents. The installation and operation of submarine power cables is much different from land cables. Still, in most textbooks on electrical power systems, information on submarine cables is scarce. This book is closing the gap. Different species of submarine power cables and their application are explained. Students and electric engineers learn on the electric and mechanic properties of submarine cables. Project developers and utility managers will gain useful information on the necessary marine activities such as pre-laying survey, cable lay vessels, guard boats etc., for the submarine cable installation and repair. Investors and decision makers will find an overview on environmental aspects of submarine power cables. A comprehensive reference list is given for those who want further reading.

Polymer Insulation Applied for HVDC Transmission - Boxue Du 2020-12-15

This book focuses on polymer insulation as applied to HVDC transmission. It addresses both fundamental principles and engineering practice, with more weight placed on the latter. This is achieved by providing in-depth studies on a number of major topics such as DC insulation structure, DC insulation design, nanocomposites, modification, testing and performance evaluation. In turn, several typical HVDC insulation application cases are examined in detail, e.g. cables, cable accessories, GIS/GIL, and converter transformers. A comprehensive and systematic study on polymer insulation modification and ageing assessment is one of the book's major features, making it particularly well

suited for readers who are interested in learning about polymer insulation materials. Given its scope, it offers a valuable resource for researchers, engineers and graduate students in the fields of high-voltage and insulation technologies, electrical engineering, material engineering, etc.

Prysmian Group Patent Landscape Analysis – January 1, 1994 to December 31, 2013 - Reiner E. Jargosch 2014-06-30

The following analysis illustrates the underlying trends and relationships of U.S. issued patents of the subject company. The analysis employs two frequently used patent classification methods: US Patent Classification (UPC) and International Patent Classification (IPC). Aside from assisting patent examiners in determining the field of search for newly submitted patent applications, the two classification methods play a pivotal role in the characterization and analysis of technologies contained in collections of patent data. The analysis also includes the company's most prolific inventors, top cited patents as well as foreign filings by technology area.

DC Wind Generation Systems - Omid Beik 2020-03-04

This book presents the design and operation of DC wind systems and their integration into power grids. The chapters give an in-depth discussion on turbine conversion systems that have been adapted for DC grids and address characteristics of wind turbines when converting kinetic wind energy to electrical energy, components associated with DC systems, and the design and analysis of DC grids. Additionally, the performance of medium voltage DC (MVDC) array grid and high voltage DC (HVDC) transmission grid connected via an offshore substation with DC/DC converters are also addressed. The

book examines multiphase hybrid excitation generator systems for wind turbines and discusses its design and operation for all DC systems. The book provides an insight into the state-of-the-art technological advancements for existing and futuristic wind generation schemes, and provides materials that will allow students, researchers, academics, and practicing engineers to learn, expand and complement their expertise.

Investing In Smart Grids - Nick Hanna 2011-01-10

This reference guide provides a detailed perspective on the investing opportunities in smart grid technologies and services, as well as an indication of the direction of trends in the sector. Significant attention is also given to the companies operating within the sector.

EU Competition Law - Ariel Ezrachi 2018-06-28

This book is designed as a working tool for the study and practice of European competition law. It is an enlarged and updated sixth edition of the highly practical guide to the leading cases of European competition law. This sixth edition focuses on Article 101 TFEU, Article 102 TFEU and the European Merger Regulation. In addition it explores the public and private enforcement of competition law, the intersection between intellectual property rights and competition law, the application of competition law to state action and state aid laws. Each chapter begins with an introduction which outlines the relevant laws, regulations and guidelines for each of the topics, setting the analytical foundations for the case entries. Within this framework, cases are reviewed in summary form, accompanied by analysis and commentary. Praise for earlier editions: 'This book should be in the library of every competition law practitioner and academic. The

summary of cases is first class. But what makes it really stand out is the quality of the commentary and the selection of the material which includes not only the most important European judgements and decisions but also some of the leading cases from the US and European Member States.' Ali Nikpay, Gibson, Dunn & Crutcher LLP 'The study of EU competition law requires the analysis and understanding of a number of increasingly complex European Commission and European Court decisions.

Through the provision of case summaries, excerpts from the important passages and concise commentary linking these decisions to other key case law and Commission documents, this unique and impressive book, now in its fifth edition, provides the student and practitioner of EU competition law with an extremely clear and useful introduction to these leading decisions.' Dr Kathryn McMahon, Associate Professor, School of Law, University of Warwick 'This book is especially valuable for competition law specialists in Europe and abroad who are interested in the jurisprudence and policy of the European Union and its member states. Familiarity with the European regime is essential for proficiency in competition law today, and this volume provides an excellent foundation.' William E Kovacic, Global Competition Professor of Law and Policy, George Washington University Law School, Former Chairman, US Federal Trade Commission 'The Guide is an invaluable tool for both students and practitioners. It provides a compact overview of the fundamental cases and highlights the essential problems in a clear and sharp analysis.' Dr Christoph Voelk, Antitrust Practice Group, McDermott, Will & Emery LLP, Brussels

The Indian Textile Journal - Sorabji M. Rutnagur 2010

Cartel Criminality - Christopher Harding 2016-04-08

Anti-competitive business cartels, engaging in practices such as price fixing, market sharing, bid rigging and restrictions on output, are now subject to strong official censure and rigorous legal control in a large number of jurisdictions across the world. The longstanding condemnation under the US Sherman Act of 1890 has been taken up (although in a rather different form) during the last thirty years in the EC/EU and in European national jurisdictions in particular, but also in a range of countries outside North America and Europe. Legal control has not only extended geographically but has intensified, as a number of jurisdictions have moved beyond administrative regulation and penalties to embrace enforcement through civil liability and (most significantly in terms of policy and rhetoric) the methods of criminal law. It is therefore timely to consider critically this development of legal control and assess its achievement to date and its future prospects. But such an exercise requires an understanding of the reasons and need for such regulation, based on a clear appreciation of the nature and extent of the economic and social malaise which is its subject. What, more exactly, are such business cartels, why do they come into existence and persist, why are they regarded as being so bad, and what are the objectives within this increasingly complex and multi-level phenomenon of legal control? By seeking to answer such fundamental questions, this book sets a research agenda for a pathology, aetiology and criminology of business cartels, and probes more accurately their nature, operation, endurance and perceived delinquency.

Dawn Raids Under Challenge - Helene Andersson 2018-06-28

This book examines the European Commission's dawn raid

practices in competition cases from a fundamental rights perspective. In recent years, the Commission has adopted a new and more aggressive enforcement policy, amid a growing awareness that cartels and abuse of market power represent an economic harm and need to be punished. In response, enforcement has been strengthened by the grant of more wide-reaching powers to competition authorities. But how does this impact on the framework of fundamental rights? This study seeks to answer that question by examining the obligations imposed by the Charter and the ECHR and the response of the Luxembourg and Strasbourg Courts. It shows that where the Strasbourg Court has managed to strike a balance between efficiency concerns and the rights of undertakings, the EU courts' judicial control is not equally balanced. This book is an essential and timely examination of this important question.

Corporate Legal Compliance Handbook, 3rd Edition - Banks and Banks 2020-06-19

Corporate Legal Compliance Handbook, Third Edition, provides the knowledge necessary to implement or enhance a compliance program in a specific company, or in a client's company. The book focuses not only on doing what is legal or what is right--the two are both important but not always the same--but also on how to make a compliance program actually work. The book is organized in a sequence that follows how to approach a compliance program. It gives the compliance officer, consultant, or attorney a good grounding in the basics of compliance law. This includes such things as the rules about corporate and individual liability, an understanding of the basics of the key laws that impact companies, and the workings of the U.S. Sentencing Guidelines. Successful programs also require an

understanding of educational techniques, good communication skills, and the use of computer tools. The effective compliance program also takes into account how to deliver messages using a variety of media to reach employees in different locations, of different ages or education, who speak different languages. Note: Online subscriptions are for three-month periods.

The Report: Qatar 2015 - Oxford Business Group
2015-04-22

Qatar's sizable oil and natural gas reserves have underpinned its rapid economic growth over the past two decades. Home to the world's largest non-associated gas field, the country is the world's fourth-largest producer of dry natural gas and the largest producer of liquefied natural gas, with hydrocarbons revenues forming the bulk of national income as a result. Although the drop in global energy prices has impacted export revenues, rigorous economic diversification drives in recent years have paid dividends, and in 2015 non-hydrocarbons growth reached 7.7%, compared to a 0.1% contraction for hydrocarbons growth during the same period. The country's financial sector has continued to evolve; Islamic banking in particular has witnessed significant progress. Meanwhile, as the country gears up to host several important sporting events in the coming years, most notably the 2022 FIFA World Cup, numerous big-ticket infrastructure builds continue to expand the construction sector.

Crosslinkable Polyethylene - Jince Thomas 2021-05-03

This volume covers various aspects of cross-linked polyethylene (XLPE). The contents include manufacture, morphology, structure, properties, applications, early stage development, cross-linking techniques, recycling process, physical and chemical properties as well as the

scope and future aspects of XLPE. It focuses on the life cycle analysis of XLPE and their industrial applications and commercial importance. This book will be of use to academic and industry researchers, as well as graduate students working in the fields of polymer science and engineering, materials science, and chemical engineering.

Electricity Supply Systems of the Future - Nikos Hatziargyriou 2020-07-20

This book offers a vision of the future of electricity supply systems and CIGRE's views on the know-how that will be needed to manage the transition toward them. A variety of factors are driving a transition of electricity supply systems to new supply models, in particular the increasing use of renewable sources, environmental factors and developments in ICT technologies. These factors suggest that there are two possible models for power network development, and that those models are not necessarily exclusive: 1. An increasing importance of large networks for bulk transmission capable of interconnecting load regions and large centralized renewable generation resources, including offshore and of providing more interconnections between the various countries and energy markets. 2. An emergence of clusters of small, largely self-contained distribution networks, which include decentralized local generation, energy storage and active customer participation, intelligently managed so that they operate as active networks providing local active and reactive support. The electricity supply systems of the future will likely include a combination of the above two models, since additional bulk connections and active distribution networks are needed in order to reach ambitious environmental, economic and

security-reliability targets. This concise yet comprehensive reference resource on technological developments for future electrical systems has been written and reviewed by experts and the Chairs of the sixteen Study Committees that form the Technical Council of CIGRE.

Fiber Optics Weekly Update June 11, 2010 -

Extruded Cables for High-Voltage Direct-Current Transmission - Giovanni Mazzanti 2013-06-07

The only book on the market that provides current, necessary, and comprehensive technical knowledge of extruded cables and high-voltage direct-current transmission This is the first book to fully address the technical aspects of high-voltage direct-current (HVDC) link projects with extruded cables. It covers design and engineering techniques for cable lines, insulation materials, and accessories, as well as cable performance and life span and reliability issues. Beginning with a discussion on the fundamentals of HVDC cable transmission theory, Extruded Cables for High-Voltage Direct-Current Transmission: Advances in Research and Development covers: Both the cable and the accessories (joints and terminations), each of which affects cable line performance The basic designs of HVDC cables—including a comparison of mass insulated non-draining cables with extruded HVDC cables The theoretical elements on which the design of HVDC cables is based—highlighting the differences between HVAC and HVDC cables Space charge-related problems that have a critical impact on extruded insulation for HVDC application Recent advances in extruded compounds for HVDC cables such as additives and nano-fillers The improved design of extruded HVDC cable systems—with

emphasis on design aspects relevant to accessories Cable line reliability problems and the impact on cable system design Including more than 200 illustrations, Extruded Cables for High-Voltage Direct-Current Transmission fills a gap in the field, providing power cable engineers with complete, up-to-date guidance on HVDC cable lines with extruded insulation.

Making Mergers and Acquisitions Work - Markus Venzin 2018-06-21

This book addresses the salient question of how to make mergers and acquisitions work using a five-step approach. It explores insights gained from Prysmian's acquisitions and other prominent M&A deals, and compares them to existing best practices.

The Art of Going Global - Olga E. Annushkina 2020-09-04

Internationalizing your firm presents both exciting opportunities and daunting challenges, regardless of your industry. While strategy will vary from firm to firm, this book provides a solid set of decision-making tools that will support you as you take your company global. Starting with the most important step – cultivating a truly international perspective in your senior management team – it sets out the pros and cons of each choice you will face as you define and shape a global strategy. With a pragmatic toolkit provided at the end of each chapter, The Art of Going Global will help to improve your decision-making capabilities in relation to a range of challenges, including:

- Selecting foreign markets
- Adapting your business model
- Navigating uncertain global markets
- Managing across cultures
- Choosing between entry mode options

With case studies and insights illustrating how to apply each toolkit, this book is ideal for practitioners, MBA students, and those in executive education. It will help

you to consider a variety of alternative solutions for key managerial decisions on internationalization, the costs and benefits of different strategic scenarios, and ultimately drive you to create a clear global vision for your firm.

The Global Cable Industry - Günter Beyer 2021-03-29

A comprehensive guide to cable materials, markets, and products The Global Cable Industry presents a comprehensive overview of the most recent developments in automotive cables, nuclear power station cables, undersea cables, coaxial cables, optical wires, medium- and high-voltage cables. With contributions from noted researchers and developers in the field, the book includes information on material developments for polymers, crosslinked elastomers and flame retardant non-halogen cable compounds. The contributors provide information on technologies to crosslink polymers, an overview of foam polymers, and field experiences of the new cable fire test within the Construction Product Regulation framework. In addition, this comprehensive resource contains the most relevant economic questions related to the cable industry that highlights materials, market segments, and countries. This important book: Includes contributions from researchers and developers of key companies in the cable industry Presents information on the most recent developments in the field Covers the most industry-relevant cable types such as automotive, nuclear power cables, undersea, coaxial, optical, medium- and high-voltage cables Written for power engineers, materials scientists, chemists and engineering scientists in industry, The Global Cable Industry is an up-to-date guide to the multi-billion-dollar cable enterprise.

Power Cable Technology - Sushil Kumar Ganguli 2018-09-03

Power Cable Technology provides a precise understanding of the design, manufacture, installation, and testing of a range of electric power cables—from low-voltage, 1,000/1,100V cables to extra-high-voltage, 400kV cables—with reference to future trends in the industry. The authors' mantra is: know your cable. Thus, the book begins with a comprehensive overview of power cable design and manufacturing through the ages, and then: Describes the characteristics of the materials currently used in the production of various power cables Explains how to calculate the die orifice for drawing wires, how tolerance in manufacturing affects material weight and consumption, and how and why lubricants are used Addresses the formation, stranding, and insulation of the electrical conductors, as well as the sheathing, armouring, and protective covering of the power cables Delivers an in-depth discussion of quality systems, quality control, and performance testing Covers the many nuances of cable installation, including laying, jointing, and terminating Throughout, the authors emphasise consonance between design theory and practical application to ensure production of a quality power cable at a reasonable cost. They also underscore the importance of careful handling, making Power Cable Technology a must read for power cable engineers and technicians alike.

Accessories for HV and EHV Extruded Cables - Pierre Argaut 2020-10-06

This CIGRE Green book on accessories for HV extruded cables covers cable system design, cable design, submarine cables and more specifically off shore generation connection. It provides essential recommendations and guidelines for design, installation and testing of accessories to professionals from Cigré

Study Committee B1 (Insulated Cables). The book is divided into twenty chapters covering land and submarine applications, HCAC and HVDC systems, transitions from lapped cable systems to extruded cable systems, from OHL to UG cables and from cables to substations. It equips the reader with recommendations for testing, installation, maintenance, remaining life management. The book compiles the results of the work achieved by several Working Groups and Task Forces of CIGRE Study Committee 21/B1, and Joint Working Groups and Joint Task Forces with other Study Committees. Many experts from Study Committees 21/B1 (HV Cables), 15/D1 (Materials and Emerging Test Techniques) and 33/B3 (Substations) have participated in this work in the last 30 years in order to offer comprehensive, continuous and consistent outputs.

The Report: Cote d'Ivoire 2013 - Oxford Business Group 2013-09-06

A leading cocoa producer and exporter of low-cost power, Côte d'Ivoire is one of the more economically diverse and mineral-rich countries in West Africa. The country is a member of ECOWAS and the Economic and Monetary Community of Central Africa, as well as party to several international trade agreements, which help improve macro stability.

OECD Public Governance Reviews Effective Delivery of Large Infrastructure Projects The Case of the New International Airport of Mexico City - OECD 2015-11-20

This report aims at providing a comprehensive assessment, and analysis and recommendations in four key dimensions contributing to the effective delivery of large infrastructure projects: governance, procurement,

integrity and communication.

Fiber Optics Sensors & Systems Monthly Newsletter November 2010 -

The Global Cable Industry - Günter Beyer 2021-07-19

A comprehensive guide to cable materials, markets, and products The Global Cable Industry presents a comprehensive overview of the most recent developments in automotive cables, nuclear power station cables, undersea cables, coaxial cables, optical wires, medium- and high-voltage cables. With contributions from noted researchers and developers in the field, the book includes information on material developments for polymers, crosslinked elastomers and flame retardant non-halogen cable compounds. The contributors provide information on technologies to crosslink polymers, an overview of foam polymers, and field experiences of the new cable fire test within the Construction Product Regulation framework. In addition, this comprehensive resource contains the most relevant economic questions related to the cable industry that highlights materials, market segments, and countries. This important book: Includes contributions from researchers and developers of key companies in the cable industry Presents information on the most recent developments in the field Covers the most industry-relevant cable types such as automotive, nuclear power cables, undersea, coaxial, optical, medium- and high-voltage cables Written for power engineers, materials scientists, chemists and engineering scientists in industry, The Global Cable Industry is an up-to-date guide to the multi-billion-dollar cable enterprise.

LexisNexis Corporate Affiliations - 2008