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Grand Strategy for India - V. Krishnappa 2012  
Papers presented at the four-day international conference on India's national security strategy, held at Institute for Defence Studies & Analyses during 20-23 December 2010.

Fly Ash Facts for Highway Engineers - William F. Boles 1986

**The Impact of Air Pollution on Health, Economy, Environment and Agricultural Sources** - Mohamed Khallaf 2011-09-26

This book aims to strengthen the knowledge base dealing with Air Pollution. The book consists of 21 chapters dealing with Air Pollution and its effects in the fields of Health,

Environment, Economy and Agricultural Sources. It is divided into four sections. The first one deals with effect of air pollution on health and human body organs. The second section includes the Impact of air pollution on plants and agricultural sources and methods of resistance. The third section includes environmental changes, geographic and climatic conditions due to air pollution. The fourth section includes case studies concerning of the impact of air pollution in the economy and development goals, such as, indoor air pollution in México, indoor air pollution and millennium development goals in Bangladesh, epidemiologic and economic impact of natural gas on indoor air pollution in Colombia and economic growth and air pollution in Iran during development programs. In this book the authors explain the definition of air pollution, the most important pollutants and their different sources and effects on humans and various fields of life. The authors offer different solutions to the problems resulting

from air pollution.

**Solar Energy Perspectives** - Cédric Philibert  
2011

In 90 minutes, enough sunlight strikes the earth to provide the entire planet's energy needs for one year. While solar energy is abundant, it represents a tiny fraction of the world's current energy mix. But this is changing rapidly and is being driven by global action to improve energy access and supply security, and to mitigate climate change. Around the world, countries and companies are investing in solar generation capacity on an unprecedented scale, and, as a consequence, costs continue to fall and technologies improve. This publication gives an authoritative view of these technologies and market trends, in both advanced and developing economies, while providing examples of the best and most advanced practices. It also provides a unique guide for policy makers, industry representatives and concerned stakeholders on how best to use, combine and successfully

promote the major categories of solar energy: solar heating and cooling, photovoltaic and solar thermal electricity, as well as solar fuels. Finally, in analysing the likely evolution of electricity and energy-consuming sectors - buildings, industry and transport - it explores the leading role solar energy could play in the long-term future of our energy system.

#### Deploying Renewables 2011 - International Energy Agency 2011

The global energy system faces urgent challenges. Concerns about energy security are growing, as highlighted by the recent political turmoil in Northern Africa and the nuclear incident in Fukushima. At the same time, the need to respond to climate change is more critical than ever. Against this background, many governments have increased efforts to promote deployment of renewable energy - low-carbon sources that can strengthen energy security. This has stimulated unprecedented rise in deployment, and renewables are now the

fastest growing sector of the energy mix. This "coming of age" of renewable energy also brings challenges. Growth is focused on a few of the available technologies, and rapid deployment is confined to a relatively small number of countries. In more advanced markets, managing support costs and system integration of large shares of renewable energy in a time of economic weakness and budget austerity has sparked vigorous political debate.

**The Power Makers** - Maury Klein 2010-09-01  
Maury Klein is one of America's most acclaimed historians of business and society. In *The Power Makers*, he offers an epic narrative of his greatest subject yet - the "power revolution" that transformed American life in the course of the nineteenth century. The steam engine; the incandescent bulb; the electric motor-inventions such as these replaced backbreaking toil with machine labor and changed every aspect of daily life in the span of a few generations. The cast of characters includes inventors like James Watt,

Elihu Thomson, and Nikola Tesla; entrepreneurs like George Westinghouse; savvy businessmen like J.P. Morgan, Samuel Insull, and Charles Coffin of General Electric. Striding among them like a colossus is the figure of Thomas Edison, who was creative genius and business visionary at once. With consummate skill, Klein recreates their discoveries, their stunning triumphs and frequent failures, and their unceasing, bare-knuckled battles in the marketplace. In Klein's hands, their personalities and discoveries leap off the page. *The Power Makers* is a dazzling saga of inspired invention, dogged persistence, and business competition at its most naked and cutthroat--a biography of America in its most astonishing decades.

*Leveraging Corporate Responsibility* - C. B. Bhattacharya 2011-09-15

This book shows how companies can maximize the value of their CR initiatives by fostering strong stakeholder relationships.

**The Bhopal Saga** - Ingrid Eckerman 2005

*The Bhopal Saga Is An Incisive Analysis Of One Of The Worst Industrial Accidents That Has Taken Place In The Recent Past. It Also Discusses The Conflicting Stance Of The Union Carbide Corporation And The Government Of India On The Moral Responsibility For The Tragedy.*

Concrete Railway sleepers - FIB - International Federation for Structural Concrete 1987-01-01  
The use of concrete sleepers in railways started in the 1940s. They are currently used in many countries throughout the world at a rate of over 12 million per year. This report discusses the various types of sleeper which have been developed - monoblock, two-block, reinforced and prestressed concrete. Separate sections deal with design, rail fastening systems, manufacture, quality control and testing, installation and performance, and research and development.

**Contested Waterscapes in the Mekong Region** - Francois Molle 2012-05-04

The catchment area of the Mekong River and its tributaries extends from China, through Burma/Myanmar, Thailand, Laos, Cambodia and to Vietnam. The water resources of the Mekong region - from the Irrawaddy and Nu-Salween in the west, across the Chao Phraya to the Lancang-Mekong and Red River in the east- are increasingly contested. Governments, companies, and banks are driving new investments in roads, dams, diversions, irrigation schemes, navigation facilities, power plants and other emblems of conventional 'development'. Their plans and interventions should provide some benefits, but also pose multiple burdens and risks to millions of people dependent on wetlands, floodplains and aquatic resources, in particular, the wild capture fisheries of rivers and lakes. This book examines how large-scale projects are being proposed, justified, and built. How are such projects contested and how do specific governance regimes influence decision making? The book

also highlights the emergence of new actors, rights and trade-off debates, and the social and environmental consequences of 'water resources development'. This book shows how diverse, and often antagonistic, ideologies and interests are contesting for legitimacy. It argues that the distribution of decision-making, political, and discursive power influences how the waterscapes of the region will ultimately look and how benefits, costs and risks will be distributed. These issues are crucial for the transformation of waterscapes and the prospects for democratizing water governance in the Mekong region. The book is part of the action-research of the M-POWER (Mekong Program on Water, Environment and Resilience) knowledge network. Published with IFAD, CG|AR Challenge Program on Water & Food, M-POWER, Project ECHEL-EAU and HEINRICH BOLL STIFTUNG Victorian and Edwardian British Industrial Architecture - Lynn Pearson 2016-08-31  
By the end of Queen Victoria's reign, factories

had become an inescapable part of the townscape, their chimneys dominating urban views while their labourers filled the streets, coming and going between work and home. This book is concerned with the architecture, planning and design of those factories that were part of the second wave of the industrial revolution. The book's geographical range encompasses the whole of the British Isles while its time span covers the Victorian and Edwardian eras, 1837- 1910, and the period leading up to the First World War. It also looks back to earlier buildings and gives some consideration to the interwar years and beyond, including the fate of our factory heritage in the twenty-first century. Factories, not surprisingly given their early working conditions, have had a bad press. It is sometimes forgotten that they were often the centres of thriving local communities, while their physical presence and wonderfully varied buildings enlivened our towns and cities. It is time for a new look at

factory architecture. Well illustrated with 150 colour and black & white photographs.

**Reinventing Fire** - Amory Lovins 2013-10-07  
Oil and coal have built our civilisation, created our wealth and enriched the lives of billions. Yet their rising costs to our security, economy, health and environment are starting to outweigh their benefits. Moreover, the tipping point where alternatives work better and compete purely on cost is not decades in the future - it is here and now. And that tipping point has become the fulcrum of economic transformation. In *Reinventing Fire*, Amory Lovins and the Rocky Mountain Institute offer a new vision to revitalise business models and win the clean energy race - not forced by public policy but led by business for long-term advantage. This independent and rigorous account offers market-based solutions integrating transportation, buildings, industry and electricity. It maps pathways for running a 158%-bigger US economy in 2050 but needing no oil, no coal, no

nuclear energy, one-third less natural gas and no new inventions. This transition would cost \$5 trillion less than business-as-usual - without counting fossil fuels' huge hidden costs. Whether you care most about profits and jobs, or national security, or environmental stewardship, climate, and health, Reinventing Fire makes sense. It's a story of astounding opportunities for creating the new energy era. -- Publisher description.

Conveyors - Patrick M McGuire 2009-08-05

Put simply, this is probably the first book in 40 years to comprehensively discuss conveyors, a topic that seems mundane until the need arises to move material from point A to point B without manual intervention. Conveyors: Application, Selection, and Integration gives industrial designers, engineers, and operations managers key information they mu

Renewable Energy Sources and Climate Change Mitigation - Ottmar Edenhofer 2012

This Intergovernmental Panel on Climate Change Special Report (IPCC-SRREN) assesses

the potential role of renewable energy in the mitigation of climate change. It covers the six most important renewable energy sources - bioenergy, solar, geothermal, hydropower, ocean and wind energy - as well as their integration into present and future energy systems. It considers the environmental and social consequences associated with the deployment of these technologies and presents strategies to overcome technical as well as non-technical obstacles to their application and diffusion. SRREN brings a broad spectrum of technology-specific experts together with scientists studying energy systems as a whole. Prepared following strict IPCC procedures, it presents an impartial assessment of the current state of knowledge: it is policy relevant but not policy prescriptive. SRREN is an invaluable assessment of the potential role of renewable energy for the mitigation of climate change for policymakers, the private sector and academic researchers. *CO2 Emissions from Fuel Combustion 2018 -*

International Energy Agency 2018-11-13  
CO2 Emissions from Fuel Combustion provides a full analysis of emissions stemming from energy use. The data in this book cover the emissions of CO2 for 150 countries and regions by sector and by fuel. The publication contains estimates of CO2 emissions, selected indicators such as CO2/GDP, CO2/capita and CO2/TPES and a decomposition of CO2 emissions into driving factors for more than 150 countries and regions. Emissions are calculated using IEA energy databases and the default methods and emission factors from the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The IEA CO2 emissions estimates are complemented by the EDGAR greenhouse gas data

**Trends in Computer Science, Engineering and Information Technology** - Dhinaharan Nagamalai 2011-09-14

This book constitutes the refereed proceedings of the First International Conference on Computer Science, Engineering and Information

Technology, CCSEIT 2011, held in Tirunelveli, India, in September 2011. The 73 revised full papers were carefully reviewed and selected from more than 400 initial submissions. The papers feature significant contributions to all major fields of the Computer Science and Information Technology in theoretical and practical aspects.

**Wind Energy Resource Survey in India** - Anna Mani 1992

**Role of Technology in International Affairs** - Amitav Mallik 2016

Recent advances in technology have opened up vast new areas of communication, cooperation and even friction among nations in their pursuit of security, development and progress. Science and technology today transcend almost all areas of international affairs. The role of science and technology in international affairs is so intrinsic that it is rarely recognised as a separate entity and often taken for granted. The impact of



modern dual-use technology on human society and national security has become so large that it would be necessary for foreign policy professionals to understand the finer nuances of technology to successfully negotiate international affairs in future. The book *Role of Technology in International Affairs* is aimed at bringing a clear appreciation of the various interconnections and interdependencies between technology, security, foreign policy and diplomacy that future diplomats must have for navigating towards international peace. Part-I introduces the reader to the changing dimensions of international relations and diplomacy and highlights the interplay between technology and international affairs. An India-specific perspective is also discussed to bring focus on future challenges for India in the changing globalised world. Part-II takes the reader through four technology areas of major impact on international affairs. New dimensions of outer space and cyber space have emerged as

most decisive areas for international peace. Climate change is going to be the most challenging area for international negotiation for the future. The four chapters endeavour to provide a keen insight on important technology areas. Part-III is about how best India can integrate science and technology and foreign policy to build its comprehensive national power which will be vital to India positioning itself as a major power for protecting and furthering its national interest in international affairs. [Clean Tech Nation](#) - Ron Pernick 2012-09-04 From Ron Pernick and Clint Wilder, the authors of *Clean Tech Revolution*, comes the next definitive book on the Clean Tech industry. In *Clean Tech Nation*, they shine a light on the leaders at the forefront of the growing movement. USA Today called Pernick and Wilder's groundbreaking first book, "one of the few instances in this genre that shows the green movement not in heartstring terms but as economically profitable." *Clean Tech Nation*

expands on their original idea to provide concrete analysis on the efforts of the U.S. and other countries in this area, and provides a clear way forward for the U.S. so that it can lead the pack as it competes with the rest of the world.

Applied Cyber-Physical Systems - Sang C. Suh  
2013-08-13

Applied Cyber-Physical Systems presents the latest methods and technologies in the area of cyber-physical systems including medical and biological applications. Cyber-physical systems (CPS) integrate computing and communication capabilities by monitoring, and controlling the physical systems via embedded hardware and computers. This book brings together unique contributions from renowned experts on cyber-physical systems research and education with applications. It also addresses the major challenges in CPS, and then provides a resolution with various diverse applications as examples. Advanced-level students and researchers focused on computer science,

engineering and biomedicine will find this to be a useful secondary text book or reference, as will professionals working in this field.

*Hybrid Electric Vehicles* - Simona Onori  
2015-12-16

This SpringerBrief deals with the control and optimization problem in hybrid electric vehicles. Given that there are two (or more) energy sources (i.e., battery and fuel) in hybrid vehicles, it shows the reader how to implement an energy-management strategy that decides how much of the vehicle's power is provided by each source instant by instant. Hybrid Electric Vehicles:

- introduces methods for modeling energy flow in hybrid electric vehicles;
- presents a standard mathematical formulation of the optimal control problem;
- discusses different optimization and control strategies for energy management, integrating the most recent research results;
- and •carries out an overall comparison of the different control strategies presented. Chapter by chapter, a case study is thoroughly

developed, providing illustrative numerical examples that show the basic principles applied to real-world situations. The brief is intended as a straightforward tool for learning quickly about state-of-the-art energy-management strategies. It is particularly well-suited to the needs of graduate students and engineers already familiar with the basics of hybrid vehicles but who wish to learn more about their control strategies.

**Beyond Oil and Gas** - George A. Olah  
2009-09-03

The world is currently consuming about 85 million barrels of oil a day, and about two-thirds as much natural gas equivalent, both derived from non-renewable natural sources. In the foreseeable future, our energy needs will come from any available alternate source. Methanol is one such viable alternative, and also offers a convenient solution for efficient energy storage on a large scale. In this updated and enlarged edition, renowned chemists discuss in a clear

and readily accessible manner the pros and cons of humankind's current main energy sources, while providing new ways to overcome obstacles. Following an introduction, the authors look at the interrelationship of fuels and energy, and at the extent of our non-renewable fossil fuels. They also discuss the hydrogen economy and its significant shortcomings. The main focus is on the conversion of CO<sub>2</sub> from industrial as well as natural sources into liquid methanol and related DME, a diesel fuel substitute that can replace LNG and LPG. The book is rounded off with an optimistic look at future possibilities. A forward-looking and inspiring work that vividly illustrates potential solutions to our energy and environmental problems.

**Symbiotic Nitrogen Fixation** - P. Graham  
2012-12-06

During the past three decades there has been a large amount of research on biological nitrogen fixation, in part stimulated by increasing world prices of nitrogen-containing fertilizers and

environmental concerns. In the last several years, research on plant-microbe interactions, and symbiotic and asymbiotic nitrogen fixation has become truly interdisciplinary in nature, stimulated to some degree by the use of modern genetic techniques. These methodologies have allowed us to make detailed analyses of plant and bacterial genes involved in symbiotic processes and to follow the growth and persistence of the root-nodule bacteria and free-living nitrogen-fixing bacteria in soils. Through the efforts of a large number of researchers we now have a better understanding of the ecology of rhizobia, environmental parameters affecting the infection and nodulation process, the nature of specificity, the biochemistry of host plants and microsymbionts, and chemical signalling between symbiotic partners. This volume gives a summary of current research efforts and knowledge in the field of biological nitrogen fixation. Since the research field is diverse in nature, this book presents a collection of papers

in the major research area of physiology and metabolism, genetics, evolution, taxonomy, ecology, and international programs.

Standard Handbook of Powerplant Engineering - Thomas Elliott 2012-09-17

Extensively revised and updated, this new edition of a classic resource provides powerplant engineers with a full range of information from basic operations to leading-edge technologies, including steam generation, turbines and diesels, fuels and fuel handling, pollution control, plant electrical systems, and instrumentation and control. New material covers various energy resources for power generation, nuclear plant systems, hydroelectric power stations, alternative and cogeneration energy plants, and environmental controls. With over 600 drawings, diagrams, and photographs, it offers engineers and technicians the information needed to keep powerplants operating smoothly into the 21st century. *Kerala Development Report* - India. Planning

Commission 2008

Full of data on various sectors and issues--among them finance, tourism, foreign trade, agriculture, and governance--this report on the state of Kerala is designed to benefit businesses, NGOs, and policy makers. While Kerala has a strong economy and is India's most literate state, areas such as human rights and the treatment of women and minorities leave room for improvement. This extensive reference discusses the constraints and challenges faced by Kerala and provides a blueprint for its socioeconomic progress.

**Regionalism in India** - Gaddam Ram Reddy  
1979

**Renewable Energy** - Mansour Al Qubeissi  
2020-09-09

The demand for secure, affordable and clean energy is a priority call to humanity. Challenges associated with conventional energy resources, such as depletion of fossil fuels, high costs and

associated greenhouse gas emissions, have stimulated interests in renewable energy resources. For instance, there have been clear gaps and rushed thoughts about replacing fossil-fuel driven engines with electric vehicles without long-term plans for energy security and recycling approaches. This book aims to provide a clear vision to scientists, industrialists and policy makers on renewable energy resources, predicted challenges and emerging applications. It can be used to help produce new technologies for sustainable, connected and harvested energy. A clear response to economic growth and clean environment demands is also illustrated.

*Steam, Its Generation and Use* - Babcock Wilcox Company 2019-11-19

"*Steam, Its Generation and Use*" by Babcock & Wilcox Company. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to

forgotten—or yet undiscovered gems—of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

*The Republic of India* - Alan Gledhill 2013

**EPA-450/4** - 1979-08

### **Fundamentals of Stack Gas Dispersion** -

Milton R. Beychok 1994

This is the new, fourth edition of the book on dispersion modeling of continuous, buoyant air pollution plumes which takes nothing for granted. Every equation is completely derived step-by-step without any complicated or advanced mathematics. Every constraint and assumption is fully explained. A set of self-study exercises is also included with the book. The

subjects covered in the book include atmospheric turbulence and stability classes, buoyant plume rise, Gaussian dispersion calculations and modeling, time-averaged concentrations, wind velocity profiles, fumigations, trapped plumes, flare stack plumes and much more ... with a great many example calculations. Copies of the book have been purchased in the U.S.A., Canada, Mexico, South America, Europe, Australia, Africa and Asia (in a total of 57 countries), and are available in over 130 libraries worldwide. The book has been very widely referenced and cited in the technical literature and on the Internet.

*The Structure and Function of Chromatin* - David W. FitzSimons 2009-09-16

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis

Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.

*Advances in Structural Engineering* - Vasant Matsagar 2014-12-12

The book presents research papers presented by academicians, researchers, and practicing structural engineers from India and abroad in the recently held Structural Engineering Convention (SEC) 2014 at Indian Institute of Technology Delhi during 22 - 24 December 2014. The book is divided into three volumes and encompasses multidisciplinary areas within structural engineering, such as earthquake engineering and structural dynamics, structural mechanics, finite element methods, structural vibration control, advanced cementitious and composite materials, bridge engineering, and soil-structure interaction. *Advances in Structural Engineering* is a useful reference material for structural engineering fraternity including undergraduate and postgraduate students,

academicians, researchers and practicing engineers.

*EPA-600/3* - 1980

**Changing the Indian Economy** - Rama P. Kanungo 2018-05-31

*Changing the Indian Economy: Renewal, Reform and Revival* explores the fact that post-Modi India is witnessing unprecedented socioeconomic change, truly labeled as Modi's Mantra and his attempts to morph the Indian economic landscape. India is using an intelligent economic process for its renewal and growth, however, in a recent study by Nomura, 2016, The Japanese Financial Services firm, it is reported that there is downside risk to India's baseline forecast of 7.8 per cent GDP growth in 2016. Although the report suggests that there was a mid-cycle consolidation in mid-2014, the recovery seems to be losing momentum. This book offers a novel, but inclusive outlook to the entire post-Modi economic overhaul. Offers a

comprehensive narrative of the current economic scene in India Explores how the measures for reform are intelligent, while also considering their weaknesses Shows how India has a strong potential to grow amidst diversity of economic reforms and changing governance Includes a compilation of insightful articles on Indian economic reform and future prospects Accidents and Safety Measures - Defense Documentation Center (U.S.) 1962

Business Communication: Concepts, Cases and Applications (for Chaudhary Charan Singh University) - P. D. Chaturvedi 2011

*Smart Grid Handbook, 3 Volume Set - 2016-08-01*  
Comprehensive, cross-disciplinary coverage of Smart Grid issues from global expert researchers and practitioners. This definitive reference meets the need for a large scale, high quality work reference in Smart Grid

engineering which is pivotal in the development of a low-carbon energy infrastructure. Including a total of 83 articles across 3 volumes The Smart Grid Handbook is organized in to 6 sections: Vision and Drivers, Transmission, Distribution, Smart Meters and Customers, Information and Communications Technology, and Socio-Economic Issues. Key features: Written by a team representing smart grid R&D, technology deployment, standards, industry practice, and socio-economic aspects. Vision and Drivers covers the vision, definitions, evolution, and global development of the smart grid as well as new technologies and standards. The Transmission section discusses industry practice, operational experience, standards, cyber security, and grid codes. The Distribution section introduces distribution systems and the system configurations in different countries and different load areas served by the grid. The Smart Meters and Customers section assesses how smart meters enable the customers to



interact with the power grid. Socio-economic issues and information and communications technology requirements are covered in dedicated articles. The Smart Grid Handbook will meet the need for a high quality reference work to support advanced study and research in the field of electrical power generation, transmission and distribution. It will be an essential reference for regulators and government officials, testing laboratories and certification organizations, and engineers and researchers in Smart Grid-related industries.

*surface quality of steel products* - Santanu Kumar Ray 2006

**Applications of Solar Energy** - Himanshu Tyagi 2017-11-29

This book focuses on solar-energy-based renewable energy systems and discusses the generation of electric power using solar photovoltaics, as well as some new techniques, such as solar towers, for both residential and commercial needs. Such systems have played an important role in the move towards low-emission and sustainable energy sources. The book covers a variety of applications, such as solar water heaters, solar air heaters, solar drying, nanoparticle-based direct absorption solar systems, solar volumetric receivers, solar-based cooling systems, solar-based food processing and cooking, efficient buildings using solar energy, and energy storage for solar thermal systems. Given its breadth of coverage, the book offers a valuable resource for researchers, students, and professionals alike.