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Light in a Dark House - Jan Costin Wagner 2013-07-18
Finnish detective Kimmo Joentaa is called to the local hospital in which his young wife died several years before. An unidentified woman in a coma has been murdered by someone who wept over the body, their tears staining the sheets around her. The death marks the start of a series of killings, with the unknown patient at their centre. As autumn turns to winter, and Christmas fast approaches, Kimmo’s attempts to unravel the case and identify the first victim are complicated by the disappearance of his sometime girlfriend, who has vanished after a party thrown by the head of the police force, and by a colleague’s spiral into the depths of a gambling addiction.
Advanced Instrument Engineering: Measurement, Calibration, and Design - Lay-Ekuakille, Aimé 2013-06-30
Measurement technologies and instrumentation have a multidisciplinary impact in the field of applied sciences. These engineering technologies are necessary in processing information required for renewable energy, biotechnology, power quality, and nanotechnology. Advanced Instrument Engineering: Measurement, Calibration, and Design presents theoretical and practical aspects on the activities concerning measurement technologies and instrumentation. This wide range of new ideas in the field of measurements and instrumentation is useful to researchers, scientists, practitioners, and technicians for their area of expertise.
EMC for Product Designers - Tim Williams 2001
Widely regarded as the standard text on EMC, Tim Williams book provides all the key information needed to meet the requirements of the latest EMC Directive. Most importantly, it shows how to incorporate EMC principles into the product design process, avoiding cost and performance penalties, meeting the needs of specific standards and resulting in a better overall product. As well as covering the very latest legal requirements, the fourth edition has been thoroughly updated in line with the latest best practice in EMC compliance and product design. Coverage has been considerably expanded to include the R & TTE and Automotive EMC Directives, as well the military aerospace standards of DEF STAN 59-41 and DO160E. A new chapter on systems EMC is included, while short case studies demonstrate how EMC product design is put into practice. Tim Williams has worked for a variety of companies as an electronic design engineer over the last 25 years. He has monitored the progress of the EMC Directive and its associated standards since it was first made public. He now runs his own consultancy specialising in EMC design and test advice and training. * Includes the compliance procedures of the latest EMC Directive: 2004/108/EC * Short case studies demonstrating how EMC product design is put into practice. * Packed full with many new chapters including: - The R & TTE Directive and the Automotive EMC Directive looking at compliance aspects of radio and telecom terminal equipment and automotive electronic products - New chapter on military aerospace standards of DEP STAN 59-41 and DO1 60E - New chapter on systems EMC.
L'elettrotecnica giornale ed atti della Associazione elettrotecnica ed elettronica italiana - 1935

Advances in Biomedical Sensing, Measurements, Instrumentation and Systems - Aimé Lay-Ekuakille 2009-12-24
Advances in technological devices unveil new architectures for instrumentation and improvements in measurement techniques. Sensing technology, related to biomedical aspects, plays a key role in nowadays applications; it promotes different advantages for: healthcare, solving difficulties for elderly persons, clinical analysis, microbiological characterizations, etc.. This book intends to illustrate and to collect recent advances in biomedical measurements and sensing instrumentation, not as an encyclopedia but as clever support for scientists, students and researchers in other to stimulate exchange and discussions for further developments.
Environmental Management - Eugene Wright 2017
In recent years, the topic of environmental responsibility has been affecting policymakers and markets, and it has become a relevant issue in the multidisciplinary discussion between scientists and practitioners. Most countries have adopted new regulations and economic instruments to support environmental sustainability; at the same time, many organisations have adopted environmental policies and management tools such as the Environmental Management System (EMS). This book reviews the past, present and future of environmental management. It combines a review of differential game models of the ecological-economic systems and respective analytical techniques with original results in game theoretic modelling of the sustainable environmental management; summarises the results derived from four surveys conducted in Italy from 2008 to 2015, that involved the Italian ISO 14001 certified organisations in exploring their interest on the adoption of other environmental tools and labels; presents a holistic framework for analysing, assessing and improvement of environmental management in agriculture, and assesses the forms, factors and efficiency of agro-eco-management in Bulgaria during post-communist transition, European integration, and EU CAP implementation; and finally, presents key environmental and climate change challenges and opportunities in the Balkan Peninsula and in relation to alignment to the European Union (EU).
Exercises on Thermal and Hydraulic Machines - Claudio Dongiovanni 2016

Wind Power Systems - Lingfeng Wang 2010-09-15
Renewable energy sources such as wind power have attracted much attention because they are environmentally friendly, do not produce carbon dioxide and other emitants, and can enhance a nation’s energy security. For example, recently more significant amounts of wind power are being integrated into conventional power grids. Therefore, it is necessary to address various important and challenging issues related to wind power systems, which are significantly different from the traditional generation systems. This book is a resource for engineers, practitioners, and decision-makers interested in studying or using the power of computational intelligence based algorithms in handling various important problems in wind power systems at the levels of power generation, transmission, and distribution. Researchers have been developing biologically-inspired algorithms in a wide variety of complex large-scale engineering domains. Distinguished from the traditional analytical methods, the new methods usually accomplish the task through their computationally efficient mechanisms. Computational intelligence methods such as evolutionary computation, neural networks, and fuzzy systems have attracted much attention in electric power systems. Meanwhile, modern electric power systems are becoming more and more complex in order to meet the growing electricity market. In particular, the grid complexity is continuously enhanced by the integration of intermittent wind power as well as the current restructuring efforts in electricity industry. Quite often, the traditional analytical methods become less efficient or

even unable to handle this increased complexity. As a result, it is natural to apply computational intelligence as a powerful tool to deal with various important and pressing problems in the current wind power systems. This book presents the state-of-the-art development in the field of computational intelligence applied to wind power systems by reviewing the most up-to-date work and representative practical problems collecting contributions from leading experts in electrical engineering, system engineering, and other disciplines.

Forse che sì forse che no - Gabriele D'Annunzio 1952

Electric and Magnetic Fields - R. Belmans 2012-12-06

This book contains the edited versions of the papers presented at the Second International Workshop on Electric and Magnetic Fields held at the Katholieke Universiteit van Leuven (Belgium) in May 1994. This Workshop deals with numerical solutions of electromagnetic problems in real life applications. The topics include coupled problems (thermal, mechanical, electric circuits), CAD & CAM applications, 3D eddy current and high frequency problems, optimisation and application oriented numerical problems. This workshop was organised jointly by the AIM (Association of Engineers graduated from de Montefiore Electrical Institute) together with the Departments of Electrical Engineering of the Katholieke Universiteit van Leuven (Prof. R. Belmans), the University of Gent (Prof. J. Melkebbek) and the University of Liege (Prof. W. Legros). These laboratories are working together in the framework of the Pole d'Attraction Interuniversitaire - Inter-University Attractie-Pole 51 - on electromagnetic systems led by the University of Liege and the research work they perform covers most of the topics of the Workshop. One of the principal aims of this Workshop was to provide a bridge between the electromagnetic device designers, mainly industrialists, and the electromagnetic field computation developers. Therefore, this book contains a continuous spectrum of papers from application of electromagnetic models in industrial design to presentation of new theoretical developments.

Cuneiform Texts from Babylonian Tablets in the British Museum - British Museum 1972

The United Nations World Water Development Report 2020 - UNESCO 2020-03-27

The 2020 edition of the WWDR, titled Water and Climate Change illustrates the critical linkages between water and climate change in the context of the broader sustainable development agenda. Supported by examples from across the world, it describes both the challenges and opportunities created by climate change, and provides potential responses – in terms of adaptation, mitigation and improved resilience – that can be undertaken by enhancing water resources management, attenuating water-related risks, and improving access to water supply and sanitation services for all in a sustainable manner. It addresses the interrelations between water, people, environment and economics in a changing climate, demonstrating how climate change can be a positive catalyst for improved water management, governance and financing to achieve a sustainable and prosperous world for all. The report provides a fact-based, water-focused contribution to the knowledge base on climate change. It is complementary to existing scientific assessments and designed to support international political frameworks, with the goals of helping the water community tackle the challenges of climate change, and informing the climate change community about the opportunities that improved water management offers in terms of adaptation and mitigation.

Cooperative Intelligent Transport Systems - Meng Lu 2019

Intelligent Transport Systems (ITS) have been a domain of substantial development for more than thirty years, enhancing safety, (energy and fuel) efficiency, comfort, and economic growth. Cooperative Intelligent Transport Systems (C-ITS), also referred to as Connected Vehicles, are a prelude to, and pave the way towards road transport automation. Vehicle connectivity and information exchange will be an important asset for future highly-automated driving. The book provides a comprehensive insight in the state of the art of C-ITS and automated driving, especially addresses the important role of ICT (Information and Communication Technologies) infrastructure, and presents the main achievements (both theory and practice), as well as the challenges in the domain in Europe, the US and Asia/Pacific.

Electric Power Systems - Roberto Marconato 2008

Entropy and Information in Science and Philosophy - Libor Kubát 1975

The Philosophy of Ralph Waldo Emerson - Joseph Urbas 2020-09-08

This study offers the first comprehensive account of Emerson's philosophy since his philosophical rehabilitation began in the late 1970s. It builds on the historical reconstruction proposed in the author's previous book, Emerson's Metaphysics, and like that study draws on the entire Emerson corpus—the poetry and sermons included. The aim here is expository. The overall though not exclusive emphasis is on identity, as the first term of Emerson's metaphysics of identity and flowing or metamorphosis. This metaphysics, or general conception of the nature of reality, is what grounds his epistemology and ethics, as well as his esthetic, religious, and political thought. Acknowledging its primacy enables a general account like this to avoid the anti-realist overemphasis on epistemology and language that has often characterized rehabilitation readings of his philosophy. After an initial chapter on Emerson's metaphysics, the subsequent chapters devoted to the other branches of his thought also begin with their "necessary foundation" in identity, which is the law of things and the law of mind alike. Perception of identity in metamorphosis is what characterizes the philosopher, the poet, the scientist, the reformer, and the man of faith and virtue. Identity of mind and world is felt in what Emerson calls the moral sentiment. Identity is Emerson's answer to the Sphinx-riddle of life experienced as a puzzling succession of facts and events.

Internal Combustion Engines - Giancarlo Ferrari 2014-09-01

This book presents an energetic approach to the performance analysis of internal combustion engines, seen as attractive applications of the principles of thermodynamics, fluid mechanics and energy transfer. Paying particular attention to the presentation of theory and practice in a balanced ratio, the book is an important aid both for students and for technicians, who want to widen their knowledge of basic principles required for design and development of internal combustion engines. New engine technologies are covered, together with recent developments in terms of: intake and exhaust flow optimization, design and development of supercharging systems, fuel metering and spray characteristic control, fluid turbulence motions, traditional and advanced combustion process analysis, formation and control of pollutant emissions and noise, heat transfer and cooling, fossil and renewable fuels, mono- and multi-dimensional models of termo-fluid-dynamic processes.

Company Strategies and Organisational Evolution in the Automotive Sector - Francesco Garibaldo 2005

This book is published during a phase of crisis and transformation for the automobile industry across the world; this crisis is particularly acute in Europe and the United States. The book is written especially for the non-specialist with more than a passing interest in the sector, such as experts of other sectors, trade unionists, representatives of the corporate world, policymakers and public managers who deal with industry, commerce and public planning. The authors provide up-to-date information and assessments of what is actually taking place, with particular attention paid to the sub-supply companies. The main focus lies on four European countries, Germany, Spain, Sweden and Italy, each of which is significant for its different experiences. Finally, three important non-European situations, the United States, Brazil and Japan, are examined.

Industrial and Commercial Power Systems Handbook - F. S. Prabhakara 1996

A wealth of practical, up-to-date information on the design and maintenance of electric power systems in commercial and industrial facilities. Covering both steady-stat and transient operations, this reference includes details on reliability, simplicity of operation, flexibility, voltage regulation, protective devices, cogeneration, cost containment, and more.

Fundamentals of Electric Power Engineering - Massimo Ceraolo 2014-04-07

This book serves as a tool for any engineer who wants tolearn about circuits, electrical machines and drives, powerelectronics, and power systems basics From time to time, engineers find they need to brush up oncertain fundamentals within electrical engineering. This clear andconcise book is the ideal learning tool for them to quickly learnthe basics or develop an understanding of newer topics. Fundamentals of Electric Power Engineering: FromElectromagnetics to Power Systems helps nonelectrical engineersamass power system information quickly by imparting tools and tradetricks for remembering basic concepts and grasping newdevelopments. Created to provide more in-depth knowledge offundamentals—rather than a broad range of applicationsonly—this comprehensive and up-to-date book: Covers topics such as circuits, electrical machines and drives,power electronics, and power system basics as well as newgeneration technologies Allows nonelectrical engineers to build their electricalknowledge quickly Includes exercises with worked solutions to assist readers ingrasping concepts found in the book Contains “in-depth” side bars throughout whichpique the reader’s curiosity Fundamentals of Electric Power Engineering is an idealrefresher course for those involved in this interdisciplinarybranch. For supplementary files for this book, please visit ahref="http://booksupport.wiley.com/"http://booksupport.wiley.com/a

The Bass Book - Tony Bacon 1995-06-01
(Book). The Bass Book offers a complete illustrated history of bass guitars from Fender's first in the 1950s through the models of the next 40 years that formed the foundation for modern music. The bass guitar is undoubtedly one of the most significant instruments of this century, yet this book is the first to study its history. Features original interviews with bass makers past and present, dozens of unusual, specially commissioned color photos, and a reference section that provides a wealth of information on every major manufacturer.

Smart Sensors and Sensing Technology - Gourab Sen Gupta 2008-07-01
Technological advancements in recent years have enabled the development of tiny, cheap disposable and self contained battery powered computers, known as sensor nodes or “motes”, which can accept input from an attached sensor, process this input and transmit the results wirelessly to some interested device(s). When a number of these nodes work together, conceivably up to hundreds of thousands, a Wireless Sensor Network (WSN) is formed. Research in the area of wireless sensor networks has become increasingly wid- pread in recent years, partly due to their wide range of potential uses and also partly due to the fact that the technology enabling such networks is now widely available from many di?erent suppliers, such as: Crossbow, MoteIV, Intel and SUN (java based motes). These wireless sensor networks have the potential to allow a level of integration between computers and the physical world that, to date, has been virtually impos- ble. The uses for such networks is almost limitless and include such diverse app- cations as a counter sniper system for urban warfare [1] tracking the path of a forest re [2], determining the structural stability of a building after an earthquake [3], or tracking people or objects inside a building [4], etc.

Embedded Generation - Nicholas Jenkins 2000-06-30
This book, intended for both students and practising engineers, addresses all the issues pertinent to the implementation of embedded generation.

Microelectronic Circuits - Adel S. Sedra 2015
This market-leading textbook continues its standard of excellence and innovation built on the solid pedagogical foundation of previous editions. This new edition has been thoroughly updated to reflect changes in technology, and includes new BJT/MOSFET coverage that combines and emphasizes theunity of the basic principles while allowing for separate treatment of the two device types where needed. Amply illustrated by a wealth of examples and complemented by an expanded number of well-designed end-of-chapter problems and practice exercises, Microelectronic Circuits is the most currentresource available for teaching tomorrow's engineers how to analyze and design electronic circuits.

Solenoid Actuators: Theory and Computational Methods - Daniele Righetti 2017-07-07
The text collects calculation tools for sizing and analyzing the performance of direct current solenoid devices, such as linear actuators and valves. From the point of view of calculation, all aspects are addressed, from electromagnetic to thermal and mechanical.

Logic Design with Integrated Circuits - William E. Wickes 1968

Principles of Power Electronics - Kassakian John G. 2010-09

Regional Development and Planning a Reader - John Friedmann 1969

Modern Power Devices - B. Jayant Baliga 1987-03-10
Written in a tutorial form, the text supplies in-depth the physics, design, and fabrication technology for power devices. Each chapter includes a discussion of the basic concepts of device operation and their electrical characteristics, a detailed analysis of the device physics, and the technology of fabrication. Extensive analytical solutions are used to enable the reader to obtain an understanding of the physics.

Plug-In Electric Vehicles - David B. Sandalow 2009-09-01
Plug-in electric vehicles are coming. Major automakers plan to commercialize their first models soon, while Israel and Denmark have ambitious plans to electrify large portions of their vehicle fleets. No technology has greater potential to end the United States' crippling dependence on oil, which leaves the nation vulnerable to price shocks, supply disruptions, environmental degradation, and national security threats including terrorism. What does the future hold for this critical technology, and what should the U.S. government do to promote it? Hybrid vehicles now number more than one million on America's roads, and they are in high demand from consumers. The next major technological step is the plug-in electric vehicle. It combines an internal combustion engine and electric motor, just as hybrids do. But unlike their precursors, PEVs can be recharged from standard electric outlets, meaning the vehicles would no longer be dependent on oil. Widespread growth in the use of PEVs would dramatically reduce oil dependence, cut driving costs and reduce pollution from vehicles. National security would be enhanced, as reduced oil dependence decreases the leverage and resources of petroleum exporters. Brookings fellow David Sandalow heads up an authoritative team of experts including former government officials, private-sector analysts, academic experts, and nongovernmental advocates. Together they explain the current landscape for PEVs: the technology, the economics, and the implications for national security and the environment. They examine how the national interest could be served by federal promotion and investment in PEVs. For example, can tax or procurement policy advance the cause of PEVs? Should the public sector contribute to greater research and development? Should the government insist on PEVs to replenish its huge fleet of official vehicles? Plug-in electric vehicles are coming. But how soon, in what numbers, and to what effect? Federal policies in the years ahead will go a long way toward answering those questions. David Sandalow and his colleagues examine what could be done in that regard, as well as what should be done.

Fondamenti di impianti elettrici - Gianpietro Granelli 2013

The Fender Bass - J. W. Black 2001
(Book). When Leo Fender added a bass to his growing family of instruments 50 years ago, he created a new world for musicians and revolutionized an industry in the process. Using hundreds of photographs, this exciting release chronicles the evolution of that instrument from 1951 to 2001, providing background, history and highly researched facts vital to understanding everything about this remarkable member of the Fender family. A must for all music fans!

The New Concrete - Mario Collepardi 2010

ELECTRIC Vehicles - 2017

James and Nancy Gray Harkness - Paul Wallace Michaels 1953

Materials Science and Engineering - William D. Callister 1991

Case Book for Data Base Management - Fred R. McFadden 1988-01-01

Physics of Semiconductor Devices - Massimo Rudan 2017-09-27
This textbook describes the basic physics of semiconductors, including the hierarchy of transport models, and connects the theory with the functioning of actual semiconductor devices. Details are worked out carefully and derived from the basic physical concepts, while keeping the internal coherence of the analysis and explaining the different levels of approximation. Coverage includes the main steps used in the fabrication process of integrated circuits: diffusion, thermal oxidation, epitaxy, and ion implantation. Examples are based on silicon due to its industrial importance. Several chapters are included that provide the reader with the quantum-mechanical concepts necessary for understanding the transport properties of crystals. The behavior of crystals incorporating a position-dependent impurity distribution is described, and the different hierarchical transport models for semiconductor devices are derived (from the Boltzmann transport equation to the hydrodynamic and drift-diffusion models). The transport models are then applied to a detailed description of the main semiconductor-device architectures (bipolar, MOS, CMOS), including a number of solid-state sensors. The final chapters are devoted to the measuring methods for semiconductor-device parameters, and to a brief illustration of the scaling rules and numerical methods applied to the design of semiconductor devices.

The Second Automobile Revolution - M. Freyssenet 2009-04-30
The rapid takeoff of the continent-sized national economies and the increasing expense of extraction have led to strong tensions in petrol prices and a race towards alternative driving systems. This book analyses the emergence of a second automobile revolution through the trajectories of automobile firms since the nineties.

Grounding for the Control of EMI - Hugh W. Denny 1983