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## **KEY=POWER - MALAKI SHANIA**

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### **POWER ELECTRONICS**

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*Irwin Electronics & Computer Engineering* Power Electronics is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text is written for some flexibility in the order of the topics. Much of the text includes computer simulation using PSpice as a supplement to analytical circuit solution techniques.

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### **PRINCIPLES OF ELECTRICAL ENGINEERING MATERIALS AND DEVICES**

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*Irwin Professional Publishing* Principles of Electrical Engineering Materials and Devices has been developed to bridge the gap between traditional electronic circuits texts and semiconductor texts

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### **POWER ELECTRONICS**

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### **HEALTH ECONOMICS**

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*Bloomsbury Publishing* Comprehensive in coverage this textbook, written by academics from leading institutions, discusses current

developments and debates in modern health economics from an international perspective. Economic models are presented in detail, complemented by real-life explanations and analysis, and discussions of the influence of such theories on policymaking. Offering sound pedagogy and economic rigor, Health Economics focuses on building intuition alongside appropriate mathematical formality, translating technical language into accessible economic narrative. Rather than shying away from intellectual building blocks, students are introduced to technical and theoretical foundations and encouraged to apply these to inform empirical studies and wider policymaking. Health Economics provides: - A broad scope, featuring comparative health policy and empirical examples from around the world to help students relate the principles of health economics to everyday life - Coverage of topical issues such as the obesity epidemic, economic epidemiology, socioeconomic health disparities, and behavioural economics - A rich learning resource, complete with hundreds of exercises to help solidify and extend understanding. This book is designed for advanced undergraduate courses in health economics and policy but may also interest postgraduate students in economics, medicine and health policy.

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## **THE BRITISH NATIONAL BIBLIOGRAPHY**

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## **ELECTRIC POWER SYSTEMS**

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## **A FIRST COURSE**

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*John Wiley & Sons* Author Ned Mohan has been a leader in EES education and research for decades. His three-book series on Power Electronics focuses on three essential topics in the power sequence based on applications relevant to this age of sustainable energy such as wind turbines and hybrid electric vehicles. The three topics include power electronics, power systems and electric machines. Key features in the first Edition build on Mohan's successful MNPERE texts; his systems approach which puts dry technical detail in the context of applications; and substantial pedagogical support including PPT's, video clips, animations, clicker questions and a lab manual. It follows a top-down systems-level approach to power electronics to highlight interrelationships between these sub-fields. It's intended to cover fundamental and practical design. This book also follows a building-block approach to power electronics that allows an in-depth discussion of several important topics that are usually left. Topics are carefully sequenced to maintain continuity and interest.

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## **WHITAKER'S BOOKS IN PRINT**

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## **OP AMPS FOR EVERYONE**

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### **DESIGN REFERENCE**

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*Newnes* The operational amplifier ("op amp") is the most versatile and widely used type of analog IC, used in audio and voltage amplifiers, signal conditioners, signal converters, oscillators, and analog computing systems. Almost every electronic device uses at least one op amp. This book is Texas Instruments' complete professional-level tutorial and reference to operational amplifier theory and applications. Among the topics covered are basic op amp physics (including reviews of current and voltage division, Thevenin's theorem, and transistor models), idealized op amp operation and configuration, feedback theory and methods, single and dual supply operation, understanding op amp parameters, minimizing noise in op amp circuits, and practical applications such as instrumentation amplifiers, signal conditioning, oscillators, active filters, load and level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and output isolation, using decoupling capacitors, and frequency characteristics of passive components. The material in this book is applicable to all op amp ICs from all manufacturers, not just TI. Unlike textbook treatments of op amp theory that tend to focus on idealized op amp models and configuration, this title uses idealized models only when necessary to explain op amp theory. The bulk of this book is on real-world op amps and their applications; considerations such as thermal effects, circuit noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail. \*Published in conjunction with Texas Instruments \*A single volume, professional-level guide to op amp theory and applications \*Covers circuit board layout techniques for manufacturing op amp circuits.

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## **BASIC ENGINEERING CIRCUIT ANALYSIS**

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### **POWER ELECTRONICS**

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### **CONVERTERS, APPLICATIONS, AND DESIGN**

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*John Wiley & Sons* Market\_Desc: · Electrical Engineering Students · Electrical Engineering Instructors · Power Electronics Engineers  
Special Features: · Easy to follow step-by-step in depth treatment of all the theory. · Computer simulation chapter describes the role of computer simulations in power electronics. Examples and problems based on Pspice and MATLAB are included. · Introductory chapter offers a review of basic electrical and magnetic circuit concepts. · A new CD-ROM contains the following: · Over 100 of new problems of

varying degrees of difficulty for homework assignments and self-learning. · PSpice-based simulation examples, which illustrate basic concepts and help in design of converters. · A newly-developed magnetic component design program that demonstrates design trade-offs. · PowerPoint-based slides, which will improve the learning experience and the ease of using the book About The Book: The text includes cohesive presentation of power electronics fundamentals for applications and design in the power range of 500 kW or less. It describes a variety of practical and emerging power electronic converters made feasible by the new generation of power semiconductor devices. Topics included in this book are an expanded discussion of diode rectifiers and thyristor converters as well as chapters on heat sinks, magnetic components which present a step-by-step design approach and a computer simulation of power electronics which introduces numerical techniques and commonly used simulation packages such as PSpice, MATLAB and EMTP.

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## **STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES**

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### **A PATH FORWARD**

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*National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

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## **PROJECT MANAGEMENT**

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### **CASE STUDIES**

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*John Wiley & Sons* A new edition of the most popular book of project management case studies, expanded to include more than 100

cases plus a "super case" on the Iridium Project Case studies are an important part of project management education and training. This Fourth Edition of Harold Kerzner's Project Management Case Studies features a number of new cases covering value measurement in project management. Also included is the well-received "super case," which covers all aspects of project management and may be used as a capstone for a course. This new edition: Contains 100-plus case studies drawn from real companies to illustrate both successful and poor implementation of project management Represents a wide range of industries, including medical and pharmaceutical, aerospace, manufacturing, automotive, finance and banking, and telecommunications Covers cutting-edge areas of construction and international project management plus a "super case" on the Iridium Project, covering all aspects of project management Follows and supports preparation for the Project Management Professional (PMP®) Certification Exam Project Management Case Studies, Fourth Edition is a valuable resource for students, as well as practicing engineers and managers, and can be used on its own or with the new Eleventh Edition of Harold Kerzner's landmark reference, Project Management: A Systems Approach to Planning, Scheduling, and Controlling. (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

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## **THE ECONOMICS OF SOCIAL DETERMINANTS OF HEALTH AND HEALTH INEQUALITIES**

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### **A RESOURCE BOOK**

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*World Health Organization* "This resource book discusses the economic arguments that could (and could not) be put forth to support the case for investing in the social determinants of health on average and in the reduction in socially determined health inequalities. It provides an overview and introduction into how economists would approach the assessment of the economic motivation to invest in the social determinants of health and socially determined health inequities, including what the major challenges are in this assessment. It illustrates the extent to which an economic argument can be made in favour of investment in 3 major social determinants of health areas: education, social protection, and urban development and infrastructure. It describes whether education policy, social protection, and urban development, housing and transport policy can act as health policy"--

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### **PYOMO - OPTIMIZATION MODELING IN PYTHON**

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*Springer Science & Business Media* This book provides a complete and comprehensive reference/guide to Pyomo (Python Optimization Modeling Objects) for both beginning and advanced modelers, including students at the undergraduate and graduate levels, academic researchers, and practitioners. The text illustrates the breadth of the modeling and analysis capabilities that are supported by the software and support of complex real-world applications. Pyomo is an open source software package for formulating and solving large-

scale optimization and operations research problems. The text begins with a tutorial on simple linear and integer programming models. A detailed reference of Pyomo's modeling components is illustrated with extensive examples, including a discussion of how to load data from data sources like spreadsheets and databases. Chapters describing advanced modeling capabilities for nonlinear and stochastic optimization are also included. The Pyomo software provides familiar modeling features within Python, a powerful dynamic programming language that has a very clear, readable syntax and intuitive object orientation. Pyomo includes Python classes for defining sparse sets, parameters, and variables, which can be used to formulate algebraic expressions that define objectives and constraints. Moreover, Pyomo can be used from a command-line interface and within Python's interactive command environment, which makes it easy to create Pyomo models, apply a variety of optimizers, and examine solutions. The software supports a different modeling approach than commercial AML (Algebraic Modeling Languages) tools, and is designed for flexibility, extensibility, portability, and maintainability but also maintains the central ideas in modern AMLs.

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## **FUNDAMENTALS OF POWER ELECTRONICS**

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*Springer Science & Business Media* *Fundamentals of Power Electronics, Second Edition*, is an up-to-date and authoritative text and reference book on power electronics. This new edition retains the original objective and philosophy of focusing on the fundamental principles, models, and technical requirements needed for designing practical power electronic systems while adding a wealth of new material. Improved features of this new edition include: A new chapter on input filters, showing how to design single and multiple section filters; Major revisions of material on averaged switch modeling, low-harmonic rectifiers, and the chapter on AC modeling of the discontinuous conduction mode; New material on soft switching, active-clamp snubbers, zero-voltage transition full-bridge converter, and auxiliary resonant commutated pole. Also, new sections on design of multiple-winding magnetic and resonant inverter design; Additional appendices on Computer Simulation of Converters using averaged switch modeling, and Middlebrook's Extra Element Theorem, including four tutorial examples; and Expanded treatment of current programmed control with complete results for basic converters, and much more. This edition includes many new examples, illustrations, and exercises to guide students and professionals through the intricacies of power electronics design. *Fundamentals of Power Electronics, Second Edition*, is intended for use in introductory power electronics courses and related fields for both senior undergraduates and first-year graduate students interested in converter circuits and electronics, control systems, and magnetic and power systems. It will also be an invaluable reference for professionals working in power electronics, power conversion, and analogue and digital electronics.

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## **UNDERSTANDING MACHINE LEARNING**

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### **FROM THEORY TO ALGORITHMS**

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*Cambridge University Press* Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.

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### **POWER ELECTRONICS**

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#### **CONVERTERS, APPLICATIONS, AND DESIGN**

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#### **COARTICULATION**

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#### **THEORY, DATA AND TECHNIQUES**

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*Cambridge University Press* Covers the experimental techniques used for investigating coarticulation, the experimental findings, and the theoretical background.

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### **FUNDAMENTALS OF POWER ELECTRONICS**

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*CRC Press* Written in plain language, *Fundamentals of Power Electronics* sets forth the basic principles of power electronics. Starting with the various types of devices, protection, and series and parallel operation of silicon controlled rectifiers, it details all the aspects of power electronics essential to building a strong foundation for the further study and practice of industrial or power electronics engineering. The author devotes considerable attention to a wide variety of applications, from AC and DC motors, heating, and welding to HVDC transmission and thyristor controlled electrical drives. *Fundamentals of Power Electronics* is filled with diagrams that clarify the concepts presented. Each chapter includes sections containing numerous examples and short questions with answers. An appendix furnishes a series of power electronics experiments that explore SCR characteristics, UJT firing circuits, voltage and current commutation, triac characteristics, and the RC triggering scheme of SCR.

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### **SOCIAL CAPITAL**

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*John Wiley & Sons* Social capital is a principal concept across the social sciences and has readily entered into mainstream discourse. In

short, it is popular. However, this popularity has taken its toll. Social capital suffers from a lack of consensus because of the varied ways it is measured, defined, and deployed by different researchers. It has been put to work in ways that stretch and confuse its conceptual value, blurring the lines between networks, trust, civic engagement, and any type of collaborative action. This clear and concise volume presents the diverse theoretical approaches of scholars from Marx, Coleman, and Bourdieu to Putnam, Fukuyama, and Lin, carefully analyzing their commonalities and differences. Joonmo Son categorizes this wealth of work according to whether its focus is on the necessary preconditions for social capital, its structural basis, or its production. He distinguishes between individual and collective social capital (from shared resources of a personal network to pooled assets of a whole society), and interrogates the practical impact social capital has had in various policy areas (from health to economic development). Social Capital will be of immense value to readers across the social sciences and practitioners in relevant fields seeking to understand this mercurial concept.

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## **HANDBOOK ON BATTERY ENERGY STORAGE SYSTEM**

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*Asian Development Bank* This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid.

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## **THE SECOND MEDIA AGE**

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*John Wiley & Sons* This book examines the implications of new communication technologies in the light of the most recent work in social and cultural theory and argues that new developments in electronic media, such as the Internet and Virtual Reality, justify the designation of a "second media age".

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## **HOME ROBOTICS**

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## **MAKER-INSPIRED PROJECTS FOR BUILDING YOUR OWN ROBOTS**

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*Aurum* Learn to make your own robots with this accessible, illustrated guide for robotics enthusiasts, featuring 13 unique robotics projects suitable for beginner to intermediate level. You've seen the sci-fi movies and dreamed of creating your very own robot. Now learn to build machines with your own hands that will move or perform tasks at your command. Featuring brand-new projects and

specially commissioned photography, this book uses easily sourced components to teach you simple electronics and programming. Learn to design and build your very own custom-made creations that can walk, draw or even guard your home. Start with a space-age butterfly that skips along on its own or a robot that creates psychedelic patterns of amazing variety, then discover how to create a catapult bot that activates when movement is detected or construct an intelligent, all-terrain rover vehicle - the possibilities are endless.

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## **ENVIRONMENTAL ENGINEERING**

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### **FUNDAMENTALS, SUSTAINABILITY, DESIGN**

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*John Wiley & Sons Environmental Engineering: Fundamentals, Sustainability, Design* presents civil engineers with an introduction to chemistry and biology, through a mass and energy balance approach. ABET required topics of emerging importance, such as sustainable and global engineering are also covered. Problems, similar to those on the FE and PE exams, are integrated at the end of each chapter. Aligned with the National Academy of Engineering's focus on managing carbon and nitrogen, the 2nd edition now includes a section on advanced technologies to more effectively reclaim nitrogen and phosphorous. Additionally, readers have immediate access to web modules, which address a specific topic, such as water and wastewater treatment. These modules include media rich content such as animations, audio, video and interactive problem solving, as well as links to explorations. Civil engineers will gain a global perspective, developing into innovative leaders in sustainable development.

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## **DEADLY PROPOSAL**

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Life should be good for James Hardy. His business is thriving, his brothers are settled, and he's desperately in love with his girlfriend, Mandy. Unfortunately, growing pains are straining his relationship, and when a misunderstanding overlaps with a catastrophic explosion at a charity event, Mandy's life is left hanging in the balance. The doctor says she'll recover, and James is ready to do what is necessary to make sure their lives stay intertwined. Her recovery is difficult, and long, and it's only compounded by a mixture of medication and misunderstandings, both of which spin things dangerously out of control. James is determined to get their relationship back on track, but the mystery of who targeted her for elimination - and the dreams that subsequently plague him - have the oldest Hardy brother in a tailspin. James promises to keep Mandy safe, but the enemy targeting them is obsessed - and relentless. Between his sister, Ally's meddling, Mandy's doubts, and James' overwhelming worries, things are coming to a head. James is ready to offer a happily ever after, but he needs to solve a mystery and keep his beloved safe if he's going to get that chance. Will this couple get a chance to realize their dreams, or will an unseen force stop them before they get a chance to embrace their future?

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## **INTRODUCTION TO E-BUSINESS**

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*Routledge* *An Introduction to e-Business* provides the contemporary knowledge of the key issues affecting the modern e-business environment and links theory and practice of management strategies relating to e-business. This book brings together the most cogent themes for an introduction to e-business and constitutes a valuable contribution to formalising common themes for teaching the subject in higher education. It brings together theoretical perspectives based on academic research and the application of e-business strategies. These concepts are further explored in the six case studies that follow the set chapters. This new textbook integrates the main themes to provide a complete picture of the key elements relevant to an introductory text in e-business. To fully appreciate the e-business environment it is necessary to understand the links between the different disciplines that come together to form

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## **THE POWER ELECTRONICS HANDBOOK**

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*CRC Press* Less expensive, lighter, and smaller than its electromechanical counterparts, power electronics lie at the very heart of controlling and converting electric energy, which in turn lies at the heart of making that energy useful. From household appliances to space-faring vehicles, the applications of power electronics are virtually limitless. Until now, however, the same could not be said for access to up-to-date reference books devoted to power electronics. Written by engineers for engineers, *The Power Electronics Handbook* covers the full range of relevant topics, from basic principles to cutting-edge applications. Compiled from contributions by an international panel of experts and full of illustrations, this is not a theoretical tome, but a practical and enlightening presentation of the usefulness and variety of technologies that encompass the field. For modern and emerging applications, power electronic devices and systems must be small, efficient, lightweight, controllable, reliable, and economical. *The Power Electronics Handbook* is your key to understanding those devices, incorporating them into controllable circuits, and implementing those systems into applications from virtually every area of electrical engineering.

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## **POWER ELECTRONICS: CIRCUITS, DEVICES, AND APPLICATION (FOR ANNA UNIVERSITY)**

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*Pearson Education India*

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## **HISTORICAL PAINTING TECHNIQUES, MATERIALS, AND STUDIO PRACTICE**

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## **PREPRINTS OF A SYMPOSIUM, UNIVERSITY OF LEIDEN, THE NETHERLANDS, 26-29 JUNE 1995**

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*Getty Publications* Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

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## **FUNDAMENTALS OF ELECTRIC PROPULSION**

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### **ION AND HALL THRUSTERS**

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*John Wiley & Sons* Throughout most of the twentieth century, electric propulsion was considered the technology of the future. Now, the future has arrived. This important new book explains the fundamentals of electric propulsion for spacecraft and describes in detail the physics and characteristics of the two major electric thrusters in use today, ion and Hall thrusters. The authors provide an introduction to plasma physics in order to allow readers to understand the models and derivations used in determining electric thruster performance. They then go on to present detailed explanations of: Thruster principles Ion thruster plasma generators and accelerator grids Hollow cathodes Hall thrusters Ion and Hall thruster plumes Flight ion and Hall thrusters Based largely on research and development performed at the Jet Propulsion Laboratory (JPL) and complemented with scores of tables, figures, homework problems, and references, *Fundamentals of Electric Propulsion: Ion and Hall Thrusters* is an indispensable textbook for advanced undergraduate and graduate students who are preparing to enter the aerospace industry. It also serves as an equally valuable resource for professional engineers already at work in the field.

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**SATELLITE COMMUNICATIONS SYSTEMS ENGINEERING**

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**ATMOSPHERIC EFFECTS, SATELLITE LINK DESIGN AND SYSTEM PERFORMANCE**

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*John Wiley & Sons* The first edition of *Satellite Communications Systems Engineering* (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome Second Edition continues the basic premise and enhances the publication with the latest updated information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable.

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**FROM GODS WE STEAL**

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**TALES OF THE BARBARIAN**

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*CreateSpace* BLADES and BLOOD and BOSOMS! Come, bear witness to strange worlds, high adventure, and brutal combat. Five epic tales dedicated to the powerhouse of fantasy fiction, The Barbarian!

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**ACCOUNTING INFORMATION SYSTEMS**

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*McGraw-Hill Education* *Accounting Information Systems: Basic Concepts and Current Issues, Fourth Edition*, by Robert Hurt provides a highly approachable, interdisciplinary presentation of the fundamental accounting topics and information technology of AIS. It is written in a manner intended to develop professional judgment and critical thinking skills so students are prepared to be successful and effectively communicate with accountants and general managers whether their careers take them into public accounting, the corporate world, governmental and not-for-profit accounting, or another practice.

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**SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS**

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**NEW HAMPSHIRE REGISTER, STATE YEAR-BOOK AND LEGISLATIVE MANUAL**

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**SAFEGUARDING CHILDREN ACROSS SERVICES**

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**MESSAGES FROM RESEARCH**

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*Jessica Kingsley Publishers* Based on the latest research, this book provides today's practitioners and policymakers with an accessible summary of what we currently know about child protection. It explains the forms of abuse, how common they are and their impact before going on to evaluate effective interventions to combat maltreatment.

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**FUNDAMENTALS OF INDUSTRIAL ELECTRONICS**

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*CRC Press* The Industrial Electronics Handbook, Second Edition combines traditional and newer, more specialized knowledge that will help industrial electronics engineers develop practical solutions for the design and implementation of high-power applications. Embracing the broad technological scope of the field, this collection explores fundamental areas, including analog and digital circuits, electronics, electromagnetic machines, signal processing, and industrial control and communications systems. It also facilitates the use of intelligent systems—such as neural networks, fuzzy systems, and evolutionary methods—in terms of a hierarchical structure that makes factory control and supervision more efficient by addressing the needs of all production components. Enhancing its value, this fully updated collection presents research and global trends as published in the *IEEE Transactions on Industrial Electronics Journal*, one of the largest and most respected publications in the field. Fundamentals of Industrial Electronics covers the essential areas that form the basis for the field. This volume presents the basic knowledge that can be applied to the other sections of the handbook. Topics covered include: Circuits and signals Devices Digital circuits Digital and analog signal processing Electromagnetics Other volumes in the set: Power Electronics and Motor Drives Control and Mechatronics Industrial Communication Systems Intelligent Systems

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**STANDARDS OF PRACTICE HANDBOOK, ELEVENTH EDITION**

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**CALIFORNIA STYLE MANUAL**

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**A HANDBOOK OF LEGAL STYLE FOR CALIFORNIA COURTS AND LAWYERS : BASED ON CALIFORNIA STYLE MANUAL**

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**ASSET RECOVERY HANDBOOK**

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**A GUIDE FOR PRACTITIONERS, SECOND EDITION**

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*World Bank Publications* Developing countries lose billions each year through bribery, misappropriation of funds, and other corrupt practices. Much of the proceeds of this corruption find 'safe haven' in the world's financial centers. These criminal flows are a drain on social services and economic development programs, contributing to the impoverishment of the world's poorest countries. Many developing countries have already sought to recover stolen assets. A number of successful high-profile cases with creative international cooperation has demonstrated that asset recovery is possible. However, it is highly complex, involving coordination and collaboration with domestic agencies and ministries in multiple jurisdictions, as well as the capacity to trace and secure assets and pursue various legal options—whether criminal confiscation, non-conviction based confiscation, civil actions, or other alternatives. This process can be overwhelming for even the most experienced practitioners. It is exceptionally difficult for those working in the context of failed states, widespread corruption, or limited resources. With this in mind, the Stolen Asset Recovery (StAR) Initiative has developed and updated this Asset Recovery Handbook: A Guide for Practitioners to assist those grappling with the strategic, organizational, investigative, and legal challenges of recovering stolen assets. A practitioner-led project, the Handbook provides common approaches to recovering stolen assets located in foreign jurisdictions, identifies the challenges that practitioners are likely to encounter, and introduces good practices. It includes examples of tools that can be used by practitioners, such as sample intelligence reports, applications for court orders, and mutual legal assistance requests. StAR—the Stolen Asset Recovery Initiative—is a partnership between the World Bank Group and the United Nations Office on Drugs and Crime that supports international efforts to end safe havens for corrupt funds. StAR works with developing countries and financial centers to prevent the laundering of the proceeds of corruption and to facilitate more systematic and timely return of stolen assets.