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### KEY=ELECTRONICS - ELLIS JOYCE

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**Electric Power Systems A First Course 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. **Qualitative Data Analysis with NVivo SAGE** Lecturers/instructors only - request a free digital inspection copy here This straightforward, jargon-free book provides an invaluable introduction to planning and conducting qualitative data analysis with NVivo. Written by leading authorities, with over 40 years combined experience in computer-assisted analysis of qualitative and mixed-mode data, the new edition of this best selling textbook is an ideal mix of practical instruction, methodology and real world examples. Practical, clear and focused the book effectively shows how NVivo software can accommodate and assist analysis across a wide range of research questions, data types, perspectives and methodologies. It sets out: The power and flexibility of the NVivo software How best to use NVivo at each stage in your research project Examples from the authors' own research and the sample data that accompanies the software, supplemented with vignettes drawn from across the social sciences Annotated screen shots A website with links to data, sample projects, supplementary/updated instructions, and SAGE journal content This second edition contains new chapters on handling a literature review, visualizing data, working in mixed methods and social media datasets, and approaching NVivo as a team. An insightful step-by-step guide to the messy reality of doing computer-assisted analysis, this successful book is essential reading for anyone considering using NVivo software. **Excel 2013: The Missing Manual "O'Reilly Media, Inc."** The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses. **Power Electronics Converters, Applications, and Design Creating a Website: The Missing Manual "O'Reilly Media, Inc."** Provides information on creating a Web site, covering such topics as text elements, style sheets, graphics, attracting visitors, JavaScript, and blogs. **WHO Guidelines for Indoor Air Quality Selected Pollutants World Health Organization** This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards. **RSSDI Textbook of Diabetes Mellitus Jaypee Brothers Medical Publishers** Diabetes mellitus is a group of metabolic diseases in which a person has high blood sugar, either because the body does not produce enough insulin, or because cells do not respond to the insulin that is produced. The fourth edition of Textbook of Diabetes Mellitus has been fully revised to provide clinicians with the latest developments in the field. Divided into 19 sections, the book begins with discussion on the epidemiology, physiology and metabolism of the disease; its diagnosis and classification; and aetiopathogenesis, genetics and hormone action. The following sections cover types of diabetes, including in different segments of the population; clinical features and complications; diabetes with comorbidities; and management of the disease through both pharmacotherapy and non-pharmaceutical methods. Key points Fully revised new edition presenting latest advances in diagnosis and management of diabetes mellitus Covers diabetes in different population groups and with comorbidities Highly illustrated

with clinical photographs, diagrams and tables Previous edition (9789351520900) published in 2014 **Calibre Manual Samurai Media Limited** Calibre is an ebook library manager. It can view, convert and catalog ebooks in most of the major ebook formats. It can also talk to many ebook reader devices. It can go out to the Internet and fetch metadata for your books. It can download newspapers and convert them into ebooks for convenient reading. It is cross platform, running on Linux, Windows and OS X. **Power electronics converters, applications, and design 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. **Elements of Artificial Neural Networks MIT Press** Elements of Artificial Neural Networks provides a clearly organized general introduction, focusing on a broad range of algorithms, for students and others who want to use neural networks rather than simply study them. The authors, who have been developing and team teaching the material in a one-semester course over the past six years, describe most of the basic neural network models (with several detailed solved examples) and discuss the rationale and advantages of the models, as well as their limitations. The approach is practical and open-minded and requires very little mathematical or technical background. Written from a computer science and statistics point of view, the text stresses links to contiguous fields and can easily serve as a first course for students in economics and management. The opening chapter sets the stage, presenting the basic concepts in a clear and objective way and tackling important -- yet rarely addressed -- questions related to the use of neural networks in practical situations. Subsequent chapters on supervised learning (single layer and multilayer networks), unsupervised learning, and associative models are structured around classes of problems to which networks can be applied. Applications are discussed along with the algorithms. A separate chapter takes up optimization methods. The most frequently used algorithms, such as backpropagation, are introduced early on, right after perceptrons, so that these can form the basis for initiating course projects. Algorithms published as late as 1995 are also included. All of the algorithms are presented using block-structured pseudo-code, and exercises are provided throughout. Software implementing many commonly used neural network algorithms is available at the book's website. Transparency masters, including abbreviated text and figures for the entire book, are available for instructors using the text. **Anomaly Detection Principles and Algorithms Springer** This book provides a readable and elegant presentation of the principles of anomaly detection, providing an easy introduction for newcomers to the field. A large number of algorithms are succinctly described, along with a presentation of their strengths and weaknesses. The authors also cover algorithms that address different kinds of problems of interest with single and multiple time series data and multi-dimensional data. New ensemble anomaly detection algorithms are described, utilizing the benefits provided by diverse algorithms, each of which work well on some kinds of data. With advancements in technology and the extensive use of the internet as a medium for communications and commerce, there has been a tremendous increase in the threats faced by individuals and organizations from attackers and criminal entities. Variations in the observable behaviors of individuals (from others and from their own past behaviors) have been found to be useful in predicting potential problems of various kinds. Hence computer scientists and statisticians have been conducting research on automatically identifying anomalies in large datasets. This book will primarily target practitioners and researchers who are newcomers to the area of modern anomaly detection techniques. Advanced-level students in computer science will also find this book helpful with their studies. **The Coding Manual for Qualitative Researchers SAGE** The Second Edition of Johnny Saldaña's international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data. Fully up to date, it includes new chapters, more coding techniques and an additional glossary. Clear, practical and authoritative, the book: -describes how coding initiates qualitative data analysis -demonstrates the writing of analytic memos -discusses available analytic software -suggests how best to use The Coding Manual for Qualitative Researchers for particular studies. In total, 32 coding methods are profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldaña discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences. **Mergers, Acquisitions, and Other Restructuring Activities An Integrated Approach to Process, Tools, Cases, and Solutions Academic Press** Two strengths distinguish this textbook from others. One is its presentation of subjects in the contexts wherein they occur. The other is its use of current events. Other improvements have shortened and simplified chapters, increased the numbers and types of pedagogical supplements, and expanded the international appeal of examples. **Applied English Grammar and composition Saraswati House Pvt Ltd** English Grammar book **Operations Research S. Chand Publishing** The author have used numerical examples as the means for presentation of the underlying ideas of different operations research techniques. Accordingly, a large number of comprehensive solved examples, taken from a variety of fields, have been added in every chapter and they are followed by a set of unsolved problems with answers (and hints wherever required) through which readers can test their understanding of the subject matter. The book, in its present form, contains around 650, examples, 1,280 illustrative diagrams. **Pathology Practical Book JP Medical Ltd** This new edition has been fully revised to help pathology trainees acquire practical knowledge in diagnostic pathology. Divided into eight sections and consisting of 61 exercises, this useful guide discusses techniques and general pathology, and then offers exercises for each discipline within pathology - systemic pathology, cytopathology, haematology, clinical pathology and autopsy. The

third edition offers updated images and new exercises for topics of current clinical significance including immunohistopathology, surgical pathology, types of blood samples, anticoagulants and blood collection. Supported by key points, nearly 600 line drawings, specimen photographs and photomicrographs, this practical manual also includes a CD reviewing specimens. Key points Fully revised, new edition offering trainees practical knowledge in diagnostic pathology Consists of 61 exercises covering key disciplines within pathology Includes updated images and new exercises for topics of current clinical significance Includes key points, nearly 600 line drawings, specimen photographs and photomicrographs, and a CD reviewing specimens Previous edition published in 2007 **GSLIB Geostatistical Software Library and User's Guide Oxford University Press, USA** This successful text has been extensively revised to cover new algorithms and applications. **Textbook of Hemophilia John Wiley & Sons** The only up-to-date definitive reference source on hemophilia This book is an invaluable resource that provides an overview of all aspects of the care of patients with haemophilia. Covering how to assess both bleeding children and adults, Haemophilia A and B, molecular basis of the disease, the role of factors in coagulation, epidemiology, pharmacokinetics, and treatment of inhibitors. There will also be a section on musculoskeletal aspects of haemophilia as well as newer developments such as gene therapy and rare bleeding disorders. Textbook of Hemophilia is ideal for: Trainees and residents in hematology Hematologists in practice Specialists working in thrombosis and hemostasis as well as transfusion medicine Why Buy This Book? The only up-to-date definitive reference source on hemophilia Essential for all those managing hemophilia patients Detailed guidance on assessment, diagnosis, management and treatment Advice for everyday clinical questions Edited by three of the world's leading experts on hemophilia **Advanced Electrical Drives Analysis, Modeling, Control Springer Nature** This book provides a unique approach to derive model-based torque controllers for all types of Lorentz force machines, i.e. DC, synchronous and induction machines. The rotating transformer model forms the basis for the generalized modeling approach of rotating field machines, which leads to the development of universal field-oriented control algorithms. Contrary to this, direct torque control algorithms, using observer-based methods, are developed for switched reluctance machines. Tutorials are included at the end of each chapter, and the reader is encouraged to execute these tutorials in order to gain familiarity with the dynamic behavior of drive systems. This updated edition uses PLECS® simulation and vector processing tools that were specifically adopted for the purpose of these hands-on tutorials. Hence, Advanced Electrical Drives encourages "learning by doing" and the experienced drive specialist may find the simulation tools useful to design high-performance torque controllers. Although it is a powerful reference in its own right, when used in conjunction with the companion texts Fundamentals of Electrical Drives and Applied Control of Electrical Drives, this book provides a uniquely comprehensive reference set that takes readers all the way from understanding the basics of how electrical drives work, to deep familiarity with advanced features and models, to a mastery of applying the concepts to actual hardware in practice. Teaches readers to perform insightful analysis of AC electrical machines and drives; Introduces new modeling methods and modern control techniques for switched reluctance drives; Updated to use PLECS® simulation tools for modeling electrical drives, including new and more experimental results; Numerous tutorials at end of each chapter to learn by doing, step-by-step; Includes extra material featuring "build and play" lab modules, for lectures and self-study. **Causal Inference in Statistics A Primer John Wiley & Sons** Many of the concepts and terminology surrounding modern causal inference can be quite intimidating to the novice. Judea Pearl presents a book ideal for beginners in statistics, providing a comprehensive introduction to the field of causality. Examples from classical statistics are presented throughout to demonstrate the need for causality in resolving decision-making dilemmas posed by data. Causal methods are also compared to traditional statistical methods, whilst questions are provided at the end of each section to aid student learning. **Children on the Move UN** Millions of children are on the move, both within and between countries, with or without their parents. The conditions under which movement takes place are often treacherous, putting migrant children, especially unaccompanied and separated children, at an increased risk of economic or sexual exploitation, abuse, neglect and violence. Policy responses to protect and support these migrant children are often fragmented and inconsistent and while children on the move have become a recognised part of today's global and mixed migration flows they are still largely invisible in debates on both child protection and migration. **Quantum Computing Explained John Wiley & Sons** A self-contained treatment of the fundamentals of quantum computing This clear, practical book takes quantum computing out of the realm of theoretical physics and teaches the fundamentals of the field to students and professionals who have not had training in quantum computing or quantum information theory, including computer scientists, programmers, electrical engineers, mathematicians, physics students, and chemists. The author cuts through the conventions of typical jargon-laden physics books and instead presents the material through his unique "how-to" approach and friendly, conversational style. Readers will learn how to carry out calculations with explicit details and will gain a fundamental grasp of: \* Quantum mechanics \* Quantum computation \* Teleportation \* Quantum cryptography \* Entanglement \* Quantum algorithms \* Error correction A number of worked examples are included so readers can see how quantum computing is done with their own eyes, while answers to similar end-of-chapter problems are provided for readers to check their own work as they learn to master the information. Ideal for professionals and graduate-level students alike, Quantum Computing Explained delivers the fundamentals of quantum computing readers need to be able to understand current research papers and go on to study more advanced quantum texts. **Food at Work Workplace Solutions for Malnutrition, Obesity and Chronic Diseases International Labour Organization** This volume establishes a clear link between good nutrition and high productivity. It demonstrates that ensuring that workers have access to nutritious, safe and affordable food, an adequate meal break and decent conditions for eating is not only socially important and economically viable but a profitable business practice too. Through case studies from a variety of enterprises in 28 industrialized and developing countries, the book offers valuable and practical food solutions which can be adapted to workplaces of different sizes and with different budgets. It also addresses an often-overlooked issue in nutrition: access to clean drinking water. Relevant laws, regulations and guides pertaining to meal breaks and workplace nutrition are also highlighted in this volume, and an extensive section containing checklists and other useful resources for unions, employers and governments is included. **Business Analytics with Management Science Models and Methods FT Press** Master decision modeling and analytics through realistic examples, intuitive explanations, and tested Excel templates. Business Analytics with Management Science has been designed to help students, practitioners and managers use business analytics to improve decision-making systems. Unlike previous books, it emphasizes the application of practical management science techniques in business

analytics. Drawing on 20+ years of teaching and consulting experience, Dr. Arben Asllani introduces decision analytics through realistic examples and intuitive explanations – not complex formulae and theoretical definitions. Throughout, Asllani helps practitioners focus more on the crucial input-output aspects of decision making – and less upon internal model complexities that can usually be "delegated" to software.

**Theory and Practice of Water and Wastewater Treatment John Wiley & Sons** Provides an excellent balance between theory and applications in the ever-evolving field of water and wastewater treatment Completely updated and expanded, this is the most current and comprehensive textbook available for the areas of water and wastewater treatment, covering the broad spectrum of technologies used in practice today—ranging from commonly used standards to the latest state of the art innovations. The book begins with the fundamentals—applied water chemistry and applied microbiology—and then goes on to cover physical, chemical, and biological unit processes. Both theory and design concepts are developed systematically, combined in a unified way, and are fully supported by comprehensive, illustrative examples. Theory and Practice of Water and Wastewater Treatment, 2nd Edition: Addresses physical/chemical treatment, as well as biological treatment, of water and wastewater Includes a discussion of new technologies, such as membrane processes for water and wastewater treatment, fixed-film biotreatment, and advanced oxidation Provides detailed coverage of the fundamentals: basic applied water chemistry and applied microbiology Fully updates chapters on analysis and constituents in water; microbiology; and disinfection Develops theory and design concepts methodically and combines them in a cohesive manner Includes a new chapter on life cycle analysis (LCA) Theory and Practice of Water and Wastewater Treatment, 2nd Edition is an important text for undergraduate and graduate level courses in water and/or wastewater treatment in Civil, Environmental, and Chemical Engineering.

**Middleton's Allergy E-Book Principles and Practice Elsevier Health Sciences** This best-selling resource has a worldwide reputation as the leader in its field. Focusing on human immunology and biology, while also reporting on scientific experimentation and advancement, it provides comprehensive coverage of state-of-the-art basic science as well as authoritative guidance on the practical aspects of day-to-day diagnosis and management. This new edition includes 700 full-color illustrations and a new, more accessible format to make finding information a snap for the busy practitioner. Includes a glossary of allergy and immunology for quick and easy reference. Contains keypoints and clinical pearls highlighted to find important information quickly. links to useful online resources both for you and for your patients. Offers contributions from hundreds of international authorities for world-class expertise in overcoming any clinical challenge. Contains 400 new illustrations, 700 in all, to better illustrate complex immunology. Covers the very latest in the field, including hot topics such as food allergy and immunotherapy. Includes the latest guidelines from The National Asthma Education and Prevention Program (NAEPP). Utilizes a new, more user-friendly full-color format for easier reference.

**Fundamentals of Heat and Mass Transfer John Wiley & Sons** Completely updated, the seventh edition provides engineers with an in-depth look at the key concepts in the field. It incorporates new discussions on emerging areas of heat transfer, discussing technologies that are related to nanotechnology, biomedical engineering and alternative energy. The example problems are also updated to better show how to apply the material. And as engineers follow the rigorous and systematic problem-solving methodology, they'll gain an appreciation for the richness and beauty of the discipline.

**Practical Pathology Jaypee Brothers Medical Publishers A HEAT TRANSFER TEXTBOOK Phlogiston Press Feedback Control Theory Courier Corporation** An excellent introduction to feedback control system design, this book offers a theoretical approach that captures the essential issues and can be applied to a wide range of practical problems. Its explorations of recent developments in the field emphasize the relationship of new procedures to classical control theory, with a focus on single input and output systems that keeps concepts accessible to students with limited backgrounds. The text is geared toward a single-semester senior course or a graduate-level class for students of electrical engineering. The opening chapters constitute a basic treatment of feedback design. Topics include a detailed formulation of the control design program, the fundamental issue of performance/stability robustness tradeoff, and the graphical design technique of loopshaping. Subsequent chapters extend the discussion of the loopshaping technique and connect it with notions of optimality. Concluding chapters examine controller design via optimization, offering a mathematical approach that is useful for multivariable systems.

**An Introduction to Linear Programming and Game Theory John Wiley & Sons** Praise for the Second Edition: "This is quite a well-done book: very tightly organized, better-than-average exposition, and numerous examples, illustrations, and applications." —Mathematical Reviews of the American Mathematical Society An Introduction to Linear Programming and Game Theory, Third Edition presents a rigorous, yet accessible, introduction to the theoretical concepts and computational techniques of linear programming and game theory. Now with more extensive modeling exercises and detailed integer programming examples, this book uniquely illustrates how mathematics can be used in real-world applications in the social, life, and managerial sciences, providing readers with the opportunity to develop and apply their analytical abilities when solving realistic problems. This Third Edition addresses various new topics and improvements in the field of mathematical programming, and it also presents two software programs, LP Assistant and the Solver add-in for Microsoft Office Excel, for solving linear programming problems. LP Assistant, developed by coauthor Gerard Keough, allows readers to perform the basic steps of the algorithms provided in the book and is freely available via the book's related Web site. The use of the sensitivity analysis report and integer programming algorithm from the Solver add-in for Microsoft Office Excel is introduced so readers can solve the book's linear and integer programming problems. A detailed appendix contains instructions for the use of both applications. Additional features of the Third Edition include: A discussion of sensitivity analysis for the two-variable problem, along with new examples demonstrating integer programming, non-linear programming, and make vs. buy models Revised proofs and a discussion on the relevance and solution of the dual problem A section on developing an example in Data Envelopment Analysis An outline of the proof of John Nash's theorem on the existence of equilibrium strategy pairs for non-cooperative, non-zero-sum games Providing a complete mathematical development of all presented concepts and examples, Introduction to Linear Programming and Game Theory, Third Edition is an ideal text for linear programming and mathematical modeling courses at the upper-undergraduate and graduate levels. It also serves as a valuable reference for professionals who use game theory in business, economics, and management science.

**Yoga Sequencing Designing Transformative Yoga Classes North Atlantic Books** Yoga Sequencing: Designing Transformative Yoga Classes presents the essential principles and methods for planning and sequencing yoga classes. Addressing one of the most popular topics in the yoga profession, this book offers sixty-seven model sequences of yoga poses (asanas) that cover the broad range of yoga student experience, including

multiple sequences for beginning, intermediate, and advanced students; yoga for kids, teens, women across the life cycle, and seniors; classes to relieve depression and anxiety; and sequences for each of the major chakras and ayurvedic constitutions. Each sequence provides guidance for teaching the different breathing (pranayama) and meditation techniques that give yoga its transformative power. Enhanced with over 2,000 instructional photos and an elaborate guide to the constituent elements of over 150 yoga asanas, the book draws equally from ancient yoga philosophy and contemporary insights into functional anatomy, biomechanics, and kinesiology. The nuanced interrelationships among asanas within and between the seven asana families are explored and the anatomy of opening and stabilizing each pose is explained for sequences designed around specific needs and intentions. A comprehensive appendix includes a glossary of yoga-related terms, an alphabetical asana index with thumbnail photographs of each asana, a class planning worksheet, representative sequences from several popular styles of hatha yoga, and a list of resources for further exploring sequencing and the larger practice of teaching yoga.

**The State of the World's Land and Water Resources for Food and Agriculture Managing Systems at Risk Routledge** The State of the World's Land and Water Resources for Food and Agriculture is FAO's first flagship publication on the global status of land and water resources. It is an 'advocacy' report, to be published every three to five years, and targeted at senior level decision makers in agriculture as well as in other sectors. SOLAW is aimed at sensitizing its target audience on the status of land resources at global and regional levels and FAO's viewpoint on appropriate recommendations for policy formulation. SOLAW focuses on these key dimensions of analysis: (i) quantity, quality of land and water resources, (ii) the rate of use and sustainable management of these resources in the context of relevant socio-economic driving factors and concerns, including food security and poverty, and climate change. This is the first time that a global, baseline status report on land and water resources has been made. It is based on several global spatial databases (e.g. land suitability for agriculture, land use and management, land and water degradation and depletion) for which FAO is the world-recognized data source. Topical and emerging issues on land and water are dealt with in an integrated rather than sectoral manner. The implications of the status and trends are used to advocate remedial interventions which are tailored to major farming systems within different geographic regions.

**How Much Security is Enough? Practical Social Network Analysis with Python Springer** This book focuses on social network analysis from a computational perspective, introducing readers to the fundamental aspects of network theory by discussing the various metrics used to measure the social network. It covers different forms of graphs and their analysis using techniques like filtering, clustering and rule mining, as well as important theories like small world phenomenon. It also presents methods for identifying influential nodes in the network and information dissemination models. Further, it uses examples to explain the tools for visualising large-scale networks, and explores emerging topics like big data and deep learning in the context of social network analysis. With the Internet becoming part of our everyday lives, social networking tools are used as the primary means of communication. And as the volume and speed of such data is increasing rapidly, there is a need to apply computational techniques to interpret and understand it. Moreover, relationships in molecular structures, co-authors in scientific journals, and developers in a software community can also be understood better by visualising them as networks. This book brings together the theory and practice of social network analysis and includes mathematical concepts, computational techniques and examples from the real world to offer readers an overview of this domain.

**Proceedings of Integrated Intelligence Enable Networks and Computing IINC 2020 Springer Nature** This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IINC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

**A Proposal to End the COVID-19 Pandemic International Monetary Fund** Urgent steps are needed to arrest the rising human toll and economic strain from the COVID-19 pandemic that are exacerbating already-diverging recoveries. Pandemic policy is also economic policy as there is no durable end to the economic crisis without an end to the health crisis. Building on existing initiatives, this paper proposes pragmatic actions at the national and multilateral level to expeditiously defeat the pandemic. The proposal targets: (1) vaccinating at least 40 percent of the population in all countries by the end of 2021 and at least 60 percent by the first half of 2022, (2) tracking and insuring against downside risks, and (3) ensuring widespread testing and tracing, maintaining adequate stocks of therapeutics, and enforcing public health measures in places where vaccine coverage is low. The benefits of such measures at about \$9 trillion far outweigh the costs which are estimated to be around \$50 billion—of which \$35 billion should be paid by grants from donors and the residual by national governments potentially with the support of concessional financing from bilateral and multilateral agencies. The grant funding gap identified by the Access to COVID-19 Tools (ACT) Accelerator amounts to about \$22 billion, which the G20 recognizes as important to address. This leaves an estimated \$13 billion in additional grant contributions needed to finance our proposal. Importantly, the strategy requires global cooperation to secure upfront financing, upfront vaccine donations, and at-risk investment to insure against downside risks for the world.

**Thyristor-Based FACTS Controllers for Electrical Transmission Systems John Wiley & Sons** An important new resource for the international utility market Over the past two decades, static reactive power compensators have evolved into a mature technology and become an integral part of modern electrical power systems. They are one of the key devices in flexible AC transmission systems (FACTS). Coordination of static compensators with other controllable FACTS devices promises not only tremendously enhanced power system controllability, but also the extension of power transfer capability of existing transmission corridors to near their thermal capacities, thus delaying or even curtailing the need to invest in new transmission facilities. Offering both an in-depth presentation of theoretical concepts and practical applications pertaining to these power compensators, Thyristor-Based FACTS Controllers for Electrical Transmission Systems fills the need for an appropriate text on this emerging technology. Replete with examples and case studies on control design and performance, the book provides an important resource for both students and engineers working in the field.

**Consumer Behavior Pearson Education India INDIA'S NEW CAPITALISTS Caste, Business, and Industry in a Modern Nation Hachette UK** It's no secret that certain social groups have predominated India's business and trading history, with business traditionally being the preserve of particular 'Bania' communities. However, the past four or so decades have seen a widening of the social base of Indian capital, such that the social profile of Indian business has expanded beyond recognition, and entrepreneurship and

*commerce in India are no longer the exclusive bastion of the old mercantile castes. In this meticulously researched book - acclaimed for being the first social history to document and understand India's new entrepreneurial groups - Harish Damodaran looks to answer who the new 'wealth creators' are, as he traces the transitional entry of India's middle and lower peasant castes into the business world. Combining analytical rigour with journalistic flair, India's New Capitalists is an essential read for anyone seeking to understand the culture and evolution of business in contemporary South Asia.*