Physics

Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. Building Embedded Linux Systems is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up, manipulating, and using solid-state storage devices Installing and configuring a bootloader for the target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons. Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, thttpd, tftp, strace, and gdb are among the packages discussed.

Physics : Textbook For Class Xi

Numerical Methods in Geotechnical Engineering contains the proceedings of the 8th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE 2014, Delft, The Netherlands, 18-20 June 2014). It is the eighth in a series of conferences organised by the European Regional Technical Committee ERTC7 under the auspices of the International

Competing in the Age of AI

Structure and Reactivity in Aqueous Solution

Serving as a continuation of the bestselling book EW 101: A First Course in Electronic Warfare, this new volume is a second book based on the popular tutorials featured in the Journal of Electronic Defense. Without delving into complex mathematics, this book lets you understand important concepts central to EW, so you gain a basic working knowledge of the technologies and techniques deployed in today's EW systems.

Handbook of Engineering Hydrology (Three-Volume Set)

Presents an investigation into the truth behind a variety of documentary photographs throughout history, discussing the relationship between the photograph and the world it supposedly represents.
Network Automation Cookbook

When young Iqbal is sold into slavery at a carpet factory, his arrival changes everything for the other overworked and abused children there. It is Iqbal who explains to them that despite their master's promises, he plans on keeping them as his slaves indefinitely. But it is also Iqbal who inspires the other children to look to a future free from toil and is brave enough to show them how to get there. This moving fictionalized account of the real Iqbal Masih is told through the voice of Fatima, a young Pakistani girl whose life is changed by Iqbal's courage.

DHM and Posturography

Cutnell and Johnson has been the #1 text in the algebra-based physics market for almost 20 years. The 10th edition brings on new co-authors: David Young and Shane Stadler (both out of LSU). The Cutnell offering now includes enhanced features and functionality. The authors have been extensively involved in the creation and adaptation of valuable resources for the text.

Strategic Security Management

Provides critical experimental studies and state-of-the-art theoretical analyses of organic reactions in which the role of the aqueous environment is particularly clear. Examines equilibrium and nonequilibrium solvent effects for a variety of chemical processes. Provides an overview of the scope and utility of the present broad array of modeling techniques for mimicking aqueous solution. Includes detailed studies of the hydrophobic effect as it influences protein folding and organic reactivity. Examines the effect of aqueous solvation on biological macromolecules and interfaces.

Pharmacy Practice in Developing Countries

The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.

Theoretical Chemical Engineering Abstracts

Remember thinking? 1. I just don't want to face each day 2. There is something missing in my family relationships and I don't know how to fix it 3. I just don't make enough money and I don't know what to do about it 4. I would like to leave a legacy but how do I do it! have never felt special 5. I just can't keep a connection with God and I feel a bit lost The answer to why your life is not working lies in how you define whowhatand why you are! So make the distinction who defines your life. You or the world around you! If you want the life you always knew you could have, then Keep Any Promise: a blueprint for designing your future is the path to recognizing the value of your life! It is your roadmap to choice! As you read Keep Any Promise: 1. You'll learn to redefine your definition of the word “Life”and discover the myths that have held you back from fully experiencing your life. 2. You'll learn the secrets to delivering more value to your goals and objectivesand recognize that confidence is a natural part of living 3. You'll discover how the word ‘choice’ can be one of your most important tools that can bring you from being your ‘worst enemy’ to becoming your ‘best friend' 4. You'll find out how to uncover the masks that have kept the real you 'buried’ and repeating the same old self defeating habits 5. You'll experience chapter after chapter of time testedpractical techniques and the innovative strategies that have helped so many to overcome the challenges of living a fulfilling life 6. You'll experience a combination of compelling stories and ground breaking insights that allow you to anticipateto understand and work through any obstacle that has held you back 7. You'll experience the step by step "Keep any Promise System” that will help you uncover your own uniquenenessyour ability to express to be heard and to be understood 8. You'll experience firsthand how to navigate through the simplest to the most complicated challenges using the "Keep any Promise System” As a special bonus, you'll be able to download a FREE workbook worth $149 at no charge! So if you want to recognize the value of your life, order Keep Any Promise today and open the door to your future! From the Inside Flap Keeping promises often seem impossible. The solution: an easy-to-read, inspiring guide that assists you overcome your obstacles and design your future -- consciously, creatively, successfully. Learn about twelve ordinary-but-extraordinary individuals, including: The dynamic founder of the phenomenal Weekend To End Breast Cancer 60km walk. An 11-year-old, who in seven years has raised millions for charities and been honored as UNICEF Canada's National Child Ambassador, the youngest in the world. A former travelling salesman, who founded Sleeping Children Around The World, so a million impoverished children now sleep soundly each night. And many more inspiring people! From their stories, as well as the author's personal examples, you'll learn: How to align more closely with your life's purpose, and gain a clear focus. How to use progress in any area to embrace challenges, without fear of failure. How to achieve more -- faster, easier, and with a new sense of calm. How, in sharing your promises with the world, you'll attract resources for success. Praise for Keep Any Promise "If you crave financial success, peace of mind and a balance lifethis is a must-read!” ~T. Harv Eker, Author of #1 NY Times Bestseller Secrets of the Millionaire Mind "A highly compelling read -- with great exercises to stretch your mind." ~Dan Sullivan, Founder of the Strategic Coach "A simple, straightforward prescription for attaining lofty life goals which avoids superficiality and unrealistically rosy proclamationsThe author brings admirable clarity and brevity to the field. Readers rarely need to scan a sentence twice to discern his meaning, and a quick look at his life-changing exercises need not take more than a single sitting." ~Kirkus Discoveries, New York
Digital Communications at Crossroads in Africa

"a provocative new book" -- The New York Times Al-centric organizations exhibit a new operating architecture, redefining how they create, capture, share, and deliver value. Marco Iansiti and Karim R. Lakhan show how reinventing the firm around data, analytics, and Al removes traditional constraints on scale, scope, and learning that have restricted business growth for hundreds of years. From Airbnb to Ant Financial, Microsoft to Amazon, research shows how AI-driven processes are vastly more scalable than traditional processes, allow massive scope increase, enabling companies to straddle industry boundaries, and create powerful opportunities for learning—to drive even more accurate, complex, and sophisticated predictions. When traditional operating constraints are removed, strategy becomes a whole new game, one whose rules and likely outcomes this book will make clear. Iansiti and Lakhan: Present a framework for rethinking business and operating models Explain how "collisions" between AI-driven/digital and traditional/analog firms are reshaping competition, altering the structure of our economy, and forcing traditional companies to rearchitect their operating models Explain the opportunities and risks created by digital firms Describe the new challenges and responsibilities for the leaders of both digital and traditional firms Packed with examples—including many from the most powerful and innovative global, Al-driven competitors—and based on research in hundreds of firms across many sectors, this is your essential guide for rethinking how your firm competes and operates in the era of Al.

Navajo Autumn

This text blends traditional introductory physics topics with an emphasis on human applications and an expanded coverage of modern physics topics, such as the existence of atoms and the conversion of mass into energy. Topical coverage is combined with the author's lively, conversational writing style, innovative features, the direct and clear manner of presentation, and the emphasis on problem solving and practical applications.

Degenerate Parabolic Equations

This book is targeted mainly to the undergraduate students of USA, UK and other European countries, and the M. Sc of Asian countries, but will be found useful for the graduate students, Graduate Record Examination (GRE), Teachers and Tutors. This is a by-product of lectures given at the Osmania University, University of Ottawa and University of Tebrez over several years, and is intended to assist the students in their assignments and examinations. The book covers a wide spectrum of disciplines in Modern Physics, and is mainly based on the actual examination papers of UK and the Indian Universities. The selected problems display a large variety and conform to syllabi which are currently being used in various countries. The book is divided into ten chapters. Each chapter begins with basic concepts containing a set of formulae and explanatory notes for quick reference, followed by a number of problems and their detailed solutions. The problems are judiciously selected and are arranged section-wise. The solutions are neither pedantic nor terse. The approach is simple and direct. The solutions are elaborately provided. More importantly the relevant formulas used for solving the problems can be located in the beginning of each chapter. There are approximately 150 line diagrams for illustration. Basic quantum mechanics, elementary calculus, vector calculus and Algebra are the pre-requisites.

Advances in Computer, Information, and Systems Sciences, and Engineering

Innovation is rapidly becoming democratized. Users, aided by improvements in computer and communications technology, increasingly can develop their own new products and services. Eric von Hippel looks closely at this emerging system of user-centred innovation.

Building Embedded Linux Systems

New edition of the bestselling guide to mastering Python Networking, updated to Python 3 and including the latest on network data analysis, Cloud Networking, Ansible 2.8, and new libraries Key Features Explore the power of Python libraries to tackle difficult network problems efficiently and effectively, including pyATS, Nornir, and Ansible 2.8 Use Python and Ansible for DevOps, network device automation, DevOps, and software-defined networking Become an expert in implementing advanced network-related tasks with Python 3 Book Description Networks in your infrastructure set the foundation for how your application can be deployed, maintained, and serviced. Python is the ideal language for network engineers to explore tools that were previously available to systems engineers and application developers. In Mastering Python Networking, Third edition, you’ll embark on a Python-based journey to transition from traditional network engineers to network developers ready for the next-generation of networks. This new edition is completely revised and updated to work with Python 3. In addition to new chapters on network data analysis with ELK stack (Elasticsearch, Logstash, Kibana, and Beats) and Azure Cloud Networking, it includes updates on using newer libraries such as pyATS and Nornir, as well as Ansible 2.8. Each chapter is updated with the latest libraries with working examples to ensure compatibility and understanding of the concepts. Starting with a basic overview of Python, the book teaches you how it can interact with both legacy and API-enabled network devices. You will learn to leverage high-level Python packages and frameworks to perform network automation tasks, monitoring, management, and enhanced network security followed by Azure and AWS Cloud networking. Finally, you will use Jenkins for continuous integration as well as testing tools to verify your network. What you will learn Use Python libraries to interact with your network Integrate Ansible 2.8 using Python to control Cisco, Juniper, and Arista network devices Leverage existing Flask web frameworks to construct high-level APIs Learn how to build virtual networks in the AWS & Azure Cloud Learn how to use Elastic Stack for network data analysis Understand how Jenkins can be used to automatically deploy changes in your network Use PyTest and Unittest for Test-
Driven Network Development in networking engineering with Python. This book is for Mastering Python Networking. Third edition is for network engineers, developers, and SREs who want to use Python for network automation, programmability, and data analysis. Basic familiarity with Python programming and networking-related concepts such as Transmission Control Protocol/Internet Protocol (TCP/IP) will be useful.

Keep Any Promise

Strategic Security Management, Second Edition provides security leadership and decision-makers with a fresh perspective on threat, vulnerability, and risk assessment. The book offers a framework to look at applying security analysis and theory into practice for effective security program, implementation, management and evaluation. Chapters examine metric-based security resource allocation of countermeasures, including security procedures, utilization of personnel, and electronic measures. The new edition is fully updated to reflect the latest industry best-practices and includes contributions from security industry leaders—based on their years of professional experience—including Norman Bates, Robert Emery, Jack Follis, Steve Kafer, Andrew Rubin, Michael Silva, and Ken Wheatley. Strategic Security Management, Second Edition will be a welcome addition to the security literature for all security professionals, security managers, and criminal justice students interested in understanding foundational security principles and their application.

College Physics

A stand-alone textbook in matrix algebra for econometricians and statisticians - advanced undergraduates, postgraduates and teachers.

Principles of Corrosion Engineering and Corrosion Control

While most books examine only the classical aspects of hydrology, this three-volume set covers multiple aspects of hydrology, and includes contributions from experts from more than 30 countries. It examines new approaches, addresses growing concerns about hydrological and ecological connectivity, and considers the worldwide impact of climate change.

1000 Solved Problems in Modern Physics

PROBABILITY AND STATISTICS FOR ENGINEERS, 5e, International Edition provides a one-semester, calculus-based introduction to engineering statistics that focuses on making intelligent sense of real engineering data and interpreting results. Traditional topics are presented thorough a wide array of illuminating engineering applications and an accessible modern framework that emphasizes statistical thinking, data collection and analysis, decision-making, and process improvement skills.

Smart Cities as a Solution for Reducing Urban Waste and Pollution

Key features: Industrially relevant approach to chemical and bio-process control. Fully revised edition with substantial enhancements to the theoretical coverage of the subject. Increased number and variety of examples. Extensively revised homework problems with degree-of-difficulty rating added. Expanded and enhanced chapter on model predictive control. Self-assessment questions and problems at the end of most sections with answers listed in the appendix. Bio-process control added to the introductory chapter. Discussion and analysis of the primary bio-sensors used in bio-tech industries added to the chapter on control loop hardware. Significant proportion of examples and homework problems in the text deal with bio-processes. Section on troubleshooting bio-process control systems included. Bio-related process models added to the modeling chapter. Supplemental material: Visual basic simulator of process models developed in text. Solutions manual. Set of PowerPoint lecture slides. Collection of process control exams. All supplemental material can be found at www.che.ttu.edu/pcco/software.

Iqbal

Optical Computing: An Introduction

Take your network automation skills to the next level with practical recipes on managing network devices from a variety of vendors like Cisco, Juniper, and Arista. Key Features Use Ansible to automate network infrastructure with the help of step-by-step instructions. Implement network automation best practices to save cost, avoid critical errors, and reduce downtime. Deliver a robust automation framework by integrating Ansible with NAPALM, NetBox, and Batfish. Book Description Network Automation Cookbook is designed to help system administrators, network engineers, and infrastructure automation engineers to centrally manage switches, routers, and other devices in their organization's network. This book will help you gain hands-on experience in automating enterprise networks and take you through core network automation techniques using the latest version of Ansible and Python. With the help of practical recipes, you'll learn how to build a network infrastructure that can be easily managed and updated as it scales through a large number of devices. You'll also cover topics...
related to security automation and get to grips with essential techniques to maintain network robustness. As you make progress, the book will show you how to automate networks on public cloud providers such as AWS, Google Cloud Platform, and Azure. Finally, you will get up and running with Ansible 2.9 and discover troubleshooting techniques and network automation best practices. By the end of this book, you'll be able to use Ansible to automate modern network devices and integrate third-party tools such as NAPALM, NetBox, and Batfish easily to build robust network automation solutions. What you will learn Understand the various components of Ansible Automate network resources in AWS, GCP, and Azure cloud solutions Use IaC concepts to design and build network solutions Automate network devices such as Cisco, Juniper, Arista, and F5 Use NetBox to build network inventory and integrate it with Ansible Validate networks using Ansible and Batfish Who this book is for This Ansible network automation book is for network and DevOps engineers interested in automating complex network tasks. Prior understanding of networking and basic Linux knowledge is required.

Democratizing Innovation

Can blockchain solve your biggest business problem? While the world is transfixed by bitcoin mania, your competitors are tuning out the noise and making strategic bets on blockchain. Your rivals are effortlessly tracking every last link in their supply chains. They're making bureaucratic paper trails obsolete while keeping their customers' data safer and discovering new ways to use this next foundational technology to sustain their competitive advantage. What should you be doing with blockchain now to ensure that your business is poised for success? "Blockchain: The Insights You Need from Harvard Business Review" brings you today's most essential thinking on blockchain, explains how to get the right initiatives started at your company, and prepares you to seize the opportunity of the coming blockchain wave. Business is changing. Will you adapt or be left behind? Get up to speed and deepen your understanding of the topics that are shaping your company’s future with the Insights You Need from Harvard Business Review series. Featuring HBR’s smartest thinking on fast-moving issues--blockchain, cybersecurity, AI, and more--each book provides the foundational introduction and practical case studies your organization needs to compete today and collects the best research, interviews, and analysis to get it ready for tomorrow. You can't afford to ignore how these issues will transform the landscape of business and society. The Insights You Need series will help you grasp these critical ideas--and prepare you and your company for the future.

Matrix Algebra

This first-ever published collection of writings by Dr. Ibrahim Karim reflects the holistic essence of his worldview. Dr Karim is the founder of the Science of BioGeometry in the early 1970s. BioGeometry is the science that uses shapes, colors, motion and sound to induce harmony into the subtle energy qualities of the environment. At the core of this harmony is a subtle energy quality found in the transcendental centers of the forming process of nature and is the main quality in sacred power spots of humanity that give a spiritual dimension to the timeless monuments erected since the dawn of humanity. With his experience as an architect and a scientist Dr. Karim has synergized aspects of Pythagorean Harmonics, Subtle energy sciences, Radiesthesia, Geobiology, Building Biology, Sacred Architecture & modern wave theories to produce a new Physics of Quality from which the science of BioGeometry emerged. *BioGeometry bridges science and spirituality to produce a natural harmony into the environment. *BioGeometry provides a viable solution in transforming the quality of the effect that electromagnetic radiation has on living systems. Successful projects in Switzerland in collaboration & acknowledgment of Swiss authorities prove its efficiency to take our modern science into the future. *BioGeometry provides new solutions to Earth Radiation, which is a serious health hazard if not acknowledged in the location and design of our buildings. * A new energy-quality-based analysis of the Great Pyramid in Giza, reveals new knowledge on the foremost of the wonders of the world and on the essence of the great Ancient Egyptian civilization.

Blockchain

Pharmacy Practice in Developing Countries: Achievements and Challenges offers a detailed review of the history and development of pharmacy practice in developing countries across Africa, Asia, and South America. Pharmacy practice varies substantially from country to country due to variations in needs and expectations, culture, challenges, policy, regulations, available resources, and other factors. This book focuses on each country’s strengths and achievements, as well as areas of weakness, barriers to improvement and challenges. It sets out to establish a baseline for best practices, taking all of these factors into account and offering solutions and opportunities for the future. This book is a valuable resource for academics, researchers, practicing pharmacists, policy makers, and students involved in pharmacy practice worldwide as it provides lessons learned on a global scale and seeks to advance the pharmacy profession. Uses the latest research and statistics to document the history and development of pharmacy practice in developing countries Describes current practice across various pharmacy sectors to supply a valuable comparative analysis across countries in Africa, Asia, Europe, and South America Highlights areas of achievement, strengths, uniqueness, and future opportunities to provide a basis for learning and improvement Establishes a baseline for best practices and solutions

PRESCRIPTIONS FOR CHILDREN WITH PSYCHOLOGICAL AND PSYCHIATRIC PROBLEMS

Maya Aziz, seventeen, is caught between her India-born parent's world of college and marrying a suitable Muslim boy and her dream world of film school and dating her classmate, Phil, when a terrorist attack changes her life forever.

Back to a Future for Mankind
Evolved from the author's lectures at the University of Bonn's Institut für angewandte Mathematik, this book reviews recent progress toward understanding of the local structure of solutions of degenerate and singular parabolic partial differential equations.

**Power Plant Engineering**

The conference proceedings of: International Conference on Industrial Electronics, Technology & Automation (IETA 05) International Conference on Telecommunications and Networking (TeNe 05) International Conference on Engineering Education, Instructional Technology, Assessment, and E-learning (EIAE 05) include a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of: Industrial Electronics, Technology and Automation, Telecommunications, Networking, Engineering Education, Instructional Technology and e-Learning. The three conferences, (IETA 05, TeNe 05 and EIAE 05) were part of the International Joint Conference on Computer, Information, and System Sciences, and Engineering (CISSE 2005). CISSE 2005, the World's first Engineering/Computing and Systems Research E-Conference was the first high-caliber Research Conference in the world to be completely conducted online in real-time via the internet. CISSE received 255 research paper submissions and the final program included 140 accepted papers, from more than 45 countries. The whole concept and format of CISSE 2005 was very exciting and ground-breaking. The powerpoint presentations, final paper manuscripts and time schedule for live presentations over the web had been available for 3 weeks prior to the start of the conference for all registrants, so they could pick and choose the presentations they want to attend and think about questions that they might want to ask. The live audio presentations were also recorded and are part of the permanent CISSE archive, which includes all power-point presentations, papers and recorded presentations. All aspects of the conference were managed on-line; not only the reviewing, submissions and registration processes; but also the actual conference. Conference participants - authors, presenters and attendees - only needed an internet connection and sound available on their computers in order to be able to contribute and participate in this international ground-breaking conference. The on-line structure of this high-quality event allowed academic professionals and industry participants to contribute work and attend world-class technical presentations based on rigorously refereed submissions, live, without the need for investing significant travel funds or time out of the office. Sufficient to say that CISSE received submissions from more than 50 countries, for whose researchers, this opportunity presented a much more affordable, dynamic and well-planned event to attend and submit their work to, versus a classic, on-the-ground conference. The CISSE conference audio room provided superb audio even over low speed internet connections, the ability to display PowerPoint presentations, and cross-platform compatibility (the conferencing software runs on Windows, Mac, and any other operating system that supports Java). In addition, the conferencing system allowed for an unlimited number of participants, which in turn granted CISSE the opportunity to allow all participants to attend all presentations, as opposed to limiting the number of available seats for each session. The implemented conferencing technology, starting with the submission & review system and ending with the online conferencing capability, allowed CISSE to conduct a very high quality, fulfilling event for all participants. See: www.cissee2005.org, sections: IETA, TeNE, EIAE

**Microalgae Cultivation for Biofuels Production**

Long-awaited on the importance of halogen bonding in solution, demonstrating the specific advantages in various fields - from synthesis and catalysis to biochemistry and electrochemistry! Halogen bonding (XB) describes the interaction between an electron donor and the electrophilic region of a halogen atom. Its applicability for molecular recognition processes long remained unappreciated and has mostly been studied in solid state until recently. As most physiological processes and chemical reactions take place in solution, investigations in solutions are of highest relevance for its use in organic synthesis and catalysis, pharmaceutical chemistry and drug design, electrochemistry, as well as material synthesis. Halogen Bonding in Solution gives a concise overview of halogen bond interactions in solution. It discusses the history and electronic origin of halogen bonding and summarizes all relevant examples of its application in organocatalysis. It describes the use of molecular iodine in catalysis and industrial applications, as well as recent developments in anion transport and binding. Hot topic: Halogen bonding is an important interaction between molecules or within a molecule. The field has developed considerably in recent years, with numerous different approaches and applications having been published. Unique: There are several books on halogen bonding in solid state available, but this will be the first one focused on halogen bonding in solution. Multi-disciplinary: Summarizes the history and nature of halogen bonding in solution as well as applications in catalysis, anion recognition, biochemistry, and electrochemistry. Aimed at facilitating exciting future developments in the field, Halogen Bonding in Solution is a valuable source of information for researchers and professionals working in the field of supramolecular chemistry, catalysis, biochemistry, drug design, and electrochemistry.

**The Happiest Baby Guide to Great Sleep**

Thomas Begay is found dead-drunk under the La Plata Bridge not unusual for Thomas Begay. What is unusual, is the beautiful BIA investigator Patsy Greyhorse, found lying beside him...
not drunk, or even a Navajo, but very dead nonetheless. Long time friend Charlie Yazzi, fresh from law school, risks his career and even his life to help his old schoolmate. The Answer seems to lie with the Yeenaaliooshii should one choose to believe in such things. In the far reaches of the reservation there still are traditional Navajos living their lives with few concessions to modern mores. Guided by their strong sense of cultural heritage these outliers remain a strong anchor for the Navajo Nation. This story follows the lives of such people, caught up in a plot that could have far reaching implications for the entire tribe. “The depth of characters and culture transcends that generally seen in novels of the genre.”

**EW 102**

Our political system in America is broken, right? Wrong. The truth is, the American political system is working exactly how it is designed to work, and it isn’t designed or optimized today to work for us—for ordinary citizens. Most people believe that our political system is a public institution with high-minded principles and impartial rules derived from the Constitution. In reality, it has become a private industry dominated by a textbook duopoly—the Democrats and the Republicans—and plagued and perverted by unhealthy competition between the players. Tragically, it has therefore become incapable of delivering solutions to America’s key economic and social challenges. In fact, there’s virtually no connection between our political leaders solving problems and getting reelected. In The Politics Industry, business leader and path-breaking political innovator Katherine Gehl and world-renowned business strategist Michael Porter take a radical new approach. They ingeniously apply the tools of business analysis—and Porter’s distinctive Five Forces framework—to show how the political system functions just as every other competitive industry does, and how the duopoly has led to the devastating outcomes we see today. Using this competition lens, Gehl and Porter identify the most powerful lever for change—a strategy comprised of a clear set of choices in two key areas: how our elections work and how we make our laws. Their bracing assessment and practical recommendations cut through the endless debate about various proposed fixes, such as term limits and campaign finance reform. The result: true political innovation. The Politics Industry is an original and completely nonpartisan guide that will open your eyes to the true dynamics and profound challenges of the American political system and provide real solutions for reshaping the system for the benefit of all. THE INSTITUTE FOR POLITICAL INNOVATION The authors will donate all royalties from the sale of this book to the Institute for Political Innovation.

**Numerical Methods in Geotechnical Engineering**

**Halogen Bonding in Solution**

**Mastering Python Networking**

**Probability and Statistics for Engineers**

**Microalgae Cultivation for Biofuels Production** explores the technological opportunities and challenges involved in producing economically competitive algal-derived biofuel. The book discusses efficient methods for cultivation, improvement of harvesting and lipid extraction techniques, optimization of conversion/production processes of fuels and co-products, the integration of microalgae biorefineries to several industries, environmental resilience by microalgae, and a techno-economic and lifecycle analysis of the production chain to gain maximum benefits from microalgae biorefineries. Provides an overview of the whole production chain of microagal biofuels and other bioproducts Presents an analysis of the economic
and sustainability aspects of the production chain Examines the integration of microalgae biorefineries into several industries

**Chemical and Bio-process Control**

Corrosion is a huge issue for materials, mechanical, civil and petrochemical engineers. With comprehensive coverage of the principles of corrosion engineering, this book is a one-stop text and reference for students and practicing corrosion engineers. Highly illustrated, with worked examples and definitions, it covers basic corrosion principles, and more advanced information for postgraduate students and professionals. Basic principles of electrochemistry and chemical thermodynamics are incorporated to make the book accessible for students and engineers who do not have prior knowledge of this area. Each form of corrosion covered in the book has a definition, description, mechanism, examples and preventative methods. Case histories of failure are cited for each form. End of chapter questions are accompanied by an online solutions manual. * Comprehensively covers the principles of corrosion engineering, methods of corrosion protection and corrosion processes and control in selected engineering environments * Structured for corrosion science and engineering classes at senior undergraduate and graduate level, and is an ideal reference that readers will want to use in their professional work * Worked examples, extensive end of chapter exercises and accompanying online solutions and written by an expert from a key pretochemical university

**Mechanics**

Digital communication as it is practiced in Africa today is at a crossroad. This edited collection takes that crossroad as its starting point, as it both examines the complicated present and looks to the uncertain future of African communication systems. Contributing authors explore how western digital communication systems have proliferated in the African communication landscape, and argue that rich and long-cherished African forms of communal, in-person communication have been increasingly abandoned in favor of assimilation to western digital norms. As a result, future generations of Africans born on the continent and abroad may never recognize and appreciate African systems of communications. Acknowledging that globalized digital communication systems are here to stay, the volume contends that in order to comprehend the past, present, and future of African communications, scholars need to decolonize their approach to teaching and consuming mediated and in-person communications on the African continent and abroad.

**Love, Hate and Other Filters**

The first edition, Prescriptions for Children with Learning and Adjustment Problems, was published in 1972 (Blanco) and was created to fill a specific need of school and clinical psychologists, guidance counselors, social workers, school personnel, and graduate students in those fields. It became apparent to the author that there were insufficient references dealing with intervention techniques and treatment strategies for children with mental and physical problems. Since the third edition (1988), significantly enhanced by co-author, David F. Bogacki, Ph.D., approximately 30,000 copies of the book have been sold, mainly to school and clinical psychologists, counselors, special education personnel, and graduate students. Hundreds of notes and letters sent to the authors revealed the appreciation of readers. Many have requested and expanded edition to include a greater array of prescriptions for children who are disabled, with a focus on children in preschool and who are developmentally delayed; plus, ideas for professionals in private practice. Hence, this revised fourth edition, Prescriptions for Children with Psychological and Psychiatric Problems, follows almost thirty years after the third edition. During this time, considerable changes occurred in the field. The addition of three new chapters, along with inclusion of three new co-authors that are child and adolescent psychiatrists will enhance this new, invaluable edition. Experienced psychologists know that even the best prescriptive intervention will be ineffective if the teacher, parent or primary caregiver dealing with the child who is disabled is resistant to changes or too reluctant to help the child. This book will be welcomed by child and adolescent psychiatrists, pediatricians, child neurologists, and nurse practitioners working with children, along with other handbooks and desk references in the professional[]fs office today.

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