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The NRCA Waterproofing Manual CRC Press

The Information Age: An Anthology on Its Impacts and Consequences was originally prepared by The Center for Advanced Concepts, Technologies, and Information Strategies of the Institute for National Strategic Studies, National Defense University. The original four volumes have been combined into one volume for this printing. They are: Part One: The Information and Communication Revolution Part Two: Business, Commerce, and Services Part Three: Government and the Military Part Four: International Affairs

A Matrix Approach BoD – Books on Demand

This casebook in engineering economy illustrates the reality of economic analysis and managerial decision-making in a way that standard texts cannot. The variety of cases included make this book a valuable supplement to any engineering economy or capital budgeting textbook. Provides an introductory chapter on case analysis, a solved case, and an overview of sensitivity analysis, followed by 32 cases covering a wide range of real-life situations. Some cases include hints for solution, and a solutions manual, referenced to major textbooks, is available to adopters.

**The Information Age** John Wiley & Sons Incorporated

The Second Symposium on Professional Practice in AI 2006 is a conference within the IFIP World Computer Congress 2006, Santiago, Chile. The Symposium is organised by the IFIP Technical Committee on Artificial Intelligence (Technical Committee 12) and its Working Group 12.5 (Artificial Intelligence Applications). The First Symposium in this series was one of the conferences in the IFIP World Computer Congi-ess 2004, Toulouse France. The conference featured invited talks by Rose Dieng, John Atkinson, John Debenham and Max Bramer. The Symposium was a component of the IFIP AI 2006 conference, organised by Professor Max Bramer. I should like to thank the Symposium General Chair, Professor

Bramer for his considerable assistance in making the Symposium happen within a very tight deadline. These proceedings are the result of a considerable amount of hard work. Beginning with the preparation of the submitted papers, the papers were each reviewed by at least two members of the international Program Committee. The authors of accepted papers then revised their manuscripts to produce their final copy. The hard work of the authors, the referees and the Program Committee is gratefully aclaiknowledged. The IFIP AI 2006 conference and the Symposium are the latest in a series of conferences organised by IFIP Technical Committee 12 dedicated to the techniques of Aitificial Intelligence and their real-world applications. Further infoirmation about TC12 can be found on our website <http://www.ifiptc12.org>.

*Focus on the Right Customers for Strategic Advantage* Springer Science & Business Media

A snapshot of the central ideas used to control fracture properties of engineered structural metallic materials, *Advanced Structural Materials: Properties, Design Optimization, and Applications* illustrates the critical role that advanced structural metallic materials play in aerospace, biomedical, automotive, sporting goods, and other industries in the twenty-first century. The book presents an overview of the structure, properties, and applications of these materials, including the basic ideas behind their design. It contains examples and accessible language, elucidating the basic concepts that guide the development of new alloys and composite materials. With in-depth reviews from leading contributors, the text develops an understanding of the breadth and depth of advances in the field. It begins with a broad introduction to advanced structural materials, then examines materials at the frontiers of emerging applications such as biomaterials, MEMS, amorphous materials, and nanotechnology. The chapter authors are experts in their own right and they assume no prior knowledge of a given material system, delineating the fundamental concepts and applications of advanced structural materials. The rich array of carefully selected topics provides useful insights into the structure, properties, and applications of advanced structural materials.

Concise Theory and Problems Cambridge University Press

This updated volume provides a comprehensive guide to the recent developments of digital and intelligent technologies related to genitourinary surgery. New topics include the adaptation of simulators, training programs, standardized credentialing, evidence-based practice, as well as the economics of robotic surgery. The impact on public and global health is also covered. *Robotics in Genitourinary Surgery* aims to help surgeons and patients adopt the techniques and procedures discussed, and in

turn educate and expand research activities within the field.

An Introductory Textbook Springer Science & Business Media

**ANATOMY AND PHYSIOLOGY FOR SPEECH, LANGUAGE, AND HEARING**, Fifth Edition, provides a solid foundation in anatomical and physiological principles relevant to communication sciences and disorders. Ideal for speech-language pathology and audiology students, as well as practicing clinicians, the text integrates clinical information with everyday experiences to reveal how anatomy and physiology relate to the speech, language, and hearing systems. Combining comprehensive coverage with abundant, full-color illustrations and a strong practical focus, the text makes complex material approachable even for students with little or no background in anatomy and physiology. Thoroughly updated to reflect current trends, techniques, and best practices, the Fifth Edition of this acclaimed text is supported by innovative Anatesse learning software—now accessible online via PC, Mac, and tablet devices—featuring tutorials, interactive quizzes, and other resources to help students of all learning styles master the material and prepare for professional licensing exams. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Scanning Probe Lithography CRC Press

Customer Centricity Focus on the Right Customers for Strategic Advantage Wharton Digital Press

Theory, Tools, and Applications Springer Science & Business Media

The fourth edition of "Principles and Applications of Electrical Engineering" provides comprehensive coverage of the principles of electrical, electronic, and electromechanical engineering to non-electrical engineering majors. Building on the success of previous editions, this text focuses on relevant and practical applications that will appeal to all engineering students.

Continuum Mechanics Courier Corporation

An introduction to the new area of ignorance studies that examines how science produces ignorance—both actively and passively, intentionally and unintentionally. We may think of science as our foremost producer of knowledge, but for the past decade, science has also been studied as an important source of ignorance. The historian of science Robert Proctor has coined the term agnotology to refer to the study of ignorance, and much of the ignorance studied in this new area is produced by science. Whether an active or passive construct, intended or unintended, this ignorance is, in Proctor's words, "made, maintained, and manipulated" by science. This volume examines forms of scientific ignorance and their consequences. A dialogue between Proctor and Peter Galison offers historical context, presenting the concerns and motivations of pioneers in the field. Essays by leading historians and philosophers of science examine the active construction of ignorance by biased design and interpretation of experiments and empirical studies, as seen in the "false advertising" by climate change deniers; the "virtuous" construction of ignorance—for example, by curtailing research on race- and gender-related cognitive differences; and ignorance as the unintended by-product of choices made in the research process, when rules, incentives, and methods encourage an emphasis on the beneficial and commercial effects of industrial chemicals, and when certain concepts and even certain groups' interests

are inaccessible in a given conceptual framework. Contributors Martin Carrier, Carl F. Cranor, Peter Galison, Paul Hoyningen-Huene, Philip Kitcher, Janet Kourany, Hugh Lacey, Robert Proctor, Londa Schiebinger, Miriam Solomon, Torsten Wilholt

Customer Centricity CRC Press

A powerful call to action, Customer Centricity upends some of our most fundamental beliefs about customer service, customer relationship management, and customer lifetime value NOT ALL CUSTOMERS ARE CREATED EQUAL Despite what the tired old adage says, the customer is not always right. Not all customers deserve your best efforts: In the world of customer centricity, there are good customers...and then there is pretty much everybody else. In Customer Centricity, Wharton professor Peter Fader, coauthor of the follow-up book The Customer Centricity Playbook, helps businesses radically rethink how they relate to customers. He provides insights to help you understand: Why customer centricity is the new model for success and product centricity must be ushered out How the ideas of brand equity and customer equity help us understand what kinds of companies naturally lend themselves to the customer-centric model and which ones don't Why the traditional models for determining the value of individual customers are flawed How executives can use customer lifetime value (CLV) and other customer-centric data to make smarter decisions about their companies How the well-intended idea of customer relationship management (CRM) lost its way-and how your company can properly put CRM to use Customer Centricity will help you realign your performance metrics, product development, customer relationship management and organization in order to make sure you focus directly on the needs of your most valuable customers and increase profits for the long term. ALSO AVAILABLE: Once Fader convinces you of the value of customer centricity in this book, The Customer Centricity Playbook, with Sarah Toms, will show you where to get started. "Reveals how to increase profits from your best customers, find more like them, and avoid over-investing in the rest....Decidedly accessible and absolutely necessary." -Jim Sterne, Founding President and Chairman, Digital Analytics Association "Perfect read...It's short (60-90 minutes), clear, and the best summary I've read of why companies should rethink their approach to customers." -Andrew McFarland, SVP, Chief Customer Officer, Black Box "Knowing what your customers are worth is the secret to focusing your time and money where it makes the most difference. You can't be all things to all people, so you need to learn to find out who really matters to your success. Fader makes it clear with great ideas and a readable style." -Andy Sernovitz, author, Word of Mouth Marketing THE WHARTON EXECUTIVE ESSENTIALS SERIES The Wharton Executive Essentials series from Wharton Digital Press brings the ideas of the Wharton School's thought leaders to you wherever you are. Inspired by Wharton's Executive Education program, each book is authored by globally renowned faculty and filled with

real-life business examples and actionable advice. Wharton Executive Essentials guides offer a quick-reading, penetrating, and comprehensive summary of the knowledge leaders need to excel in today's competitive business environment and capture tomorrow's opportunities.

Robotics in Genitourinary Surgery MIT Press

This book comprehensively covers a broad range of therapeutic and diagnostic applications of nanotechnology, providing descriptions of cutting-edge discoveries along with historical perspectives. The text focuses on nanomaterials and nanoparticles, the sectors that hold the most promise for the future of medicine. The author look at how nanotechnology can impact cancer treatment, clinical neuroscience, tissue engineering, drug delivery, and diagnostics. He also discusses the worldwide governmental regulatory impact on nanomedicine.

CRC Press

DIVComprehensive treatment offers 115 solved problems and exercises to promote understanding of vector and tensor theory, basic kinematics, balance laws, field equations, jump conditions, and constitutive equations. /div

Nonlinear Time Series Analysis MIT Press

If you are studying soft computing, intelligent machines or intelligent control then this book will give you the theory you need together with a vast array of examples and practical material, providing you with a thorough grounding in this exciting field. Practising professionals will find the introductory material, application oriented techniques and case studies especially helpful. Theory meets practice through numerous examples and solved real world problems. Comprehensive case studies demonstrate a vade range of applications across science and engineering. Extensive coverage of intelligent systems design including intelligent control and time series prediction.

Proceedings Addison-Wesley Longman Limited

Micromechanical manufacturing based on microequipment creates new possibilities in goods production. If microequipment sizes are comparable to the sizes of the microdevices to be produced, it is possible to decrease the cost of production drastically. The main components of the production cost - material, energy, space consumption, equipment, and maintenance - decrease with the scaling down of equipment sizes. To obtain really inexpensive production, labor costs must be reduced to almost zero. For this purpose, fully automated microfactories will be developed. To create fully automated microfactories, we propose using arti?cial neural networks having different structures. The simplest perceptron-like neural network can be used at the lowest levels of microfactory control systems. Adaptive Critic Design, based on neural network models of the microfactory objects, can be used for manufacturing process optimization, while associative-projective neural n- works and networks like ART could be used for the highest levels of control systems. We have examined the performance of different neural networks in traditional image recognition tasks and in problems that appear in micromechanical manufacturing. We and our colleagues also have developed an approach to mic- equipment creation in the form of sequential generations. Each subsequent

gene- tion must be of a smaller size than the previous ones and must be made by previous generations. Prototypes of ?rst-generation microequipment have been developed and assessed.

Applying Theory to Practice Createspace Independent Publishing Platform

This book is designed to offer a comprehensive high-level introduction to transhumanism, an international political and cultural movement that aims to produce a "paradigm shift" in our ethical and political understanding of human evolution. Transhumanist thinkers want the human species to take the course of evolution into its own hands, using advanced technologies currently under development – such as robotics, artificial intelligence, biotechnology, cognitive neurosciences, and nanotechnology – to overcome our present physical and mental limitations, improve our intelligence beyond the current maximum achievable level, acquire skills that are currently the preserve of other species, abolish involuntary aging and death, and ultimately achieve a post-human level of existence. The book covers transhumanism from a historical, philosophical, and scientific viewpoint, tracing its cultural roots, discussing the main philosophical, epistemological, and ethical issues, and reviewing the state of the art in scientific research on the topics of most interest to transhumanists. The writing style is clear and accessible for the general reader, but the book will also appeal to graduate and undergraduate students.

Applications Springer Science & Business Media

Entertaining, concise, and relentlessly probing, City of Bits is a comprehensive introduction to a new type of city, an increasingly important system of virtual spaces interconnected by the information superhighway. William Mitchell makes extensive use of practical examples and illustrations in a technically well-grounded yet accessible examination of architecture and urbanism in the context of the digital telecommunications revolution, the ongoing miniaturization of electronics, the commodification of bits, and the growing domination of software over materialized form.

The Hamlyn Symposium on Medical Robotics Diversion Books

Jane has a problem. She can see angels, and not just any angels, but archangels. There's Michael, tough, gorgeous, and smarter than Sherlock Holmes. Lucifer, the bad boy you love to, well, love. And Gabriel? Well, he's like the best friend she always wanted, only with washboard abs. Together they make an awesome team when they aren't trying to figure out a way to screw like bunnies. Or, at least, they will when a girl goes missing. Now it's up to Jane and her angels to crack the case, bring the girl home, and save the day. ...and this time, she might find that helping gets her what she's really wanted all along.

Space, Place, and the Infobahn Government Printing Office

For a sophomore-level course in Linear Algebra. Based on the recommendations of the Linear Algebra Curriculum Study Group, this introduction to linear algebra offers a matrix-oriented approach with more emphasis on problem solving and applications. Throughout the text, use of technology is encouraged. The focus is on matrix arithmetic, systems of linear equations, properties of Euclidean n-space, eigenvalues

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and eigenvectors, and orthogonality. Although matrix-oriented, the text provides a solid coverage of vector spaces.

Surface Tension in Microsystems Springer Science & Business Media

Sample Text

Professional Practice in Artificial Intelligence Springer

Advanced Oxidation Processes – Applications, Trends, and Prospects constitutes a comprehensive resource for civil, chemical, and environmental engineers researching in the field of water and wastewater treatment. The book covers the fundamentals, applications, and future work in Advanced Oxidation Processes (AOPs) as an attractive alternative and a complementary treatment option to conventional methods. This book also presents state-of-the-art research on AOPs and heterogeneous catalysis while covering recent progress and trends, including the application of AOPs at the laboratory, pilot, or industrial scale, the combination of AOPs with other technologies, hybrid processes, process intensification, reactor design, scale-up, and optimization. The book is divided into four sections: Introduction to Advanced Oxidation Processes, General Concepts of Heterogeneous Catalysis, Fenton and Ferrate in Wastewater Treatment, and Industrial Applications, Trends, and Prospects.