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Multimedia and Virtual Reality JHU Press

Depression is a widespread condition affecting approximately 7.5 million parents in the U.S. each year and may be putting at least 15 million children at risk for adverse health outcomes. Based on evidentiary studies, major depression in either parent can interfere with parenting quality and increase the risk of children developing mental, behavioral and social problems. Depression in Parents, Parenting, and Children highlights disparities in the prevalence, identification, treatment, and prevention of parental depression among different sociodemographic populations. It also outlines strategies for effective intervention and identifies the need for a more interdisciplinary approach that takes biological, psychological, behavioral, interpersonal, and social contexts into consideration. A major challenge to the effective management of parental depression is developing a treatment and prevention strategy that can be introduced within a two-generation framework, conducive for parents and their children. Thus far, both the federal and state response to the problem has been fragmented, poorly funded, and lacking proper oversight. This study examines options for widespread implementation of best practices as well as strategies that can be effective in diverse service settings for diverse populations of children and their families. The delivery of adequate screening and successful detection and treatment of a depressive illness and prevention of its effects on parenting and the health of children is a formidable challenge to modern health care systems. This study offers seven solid recommendations designed to increase awareness about and remove barriers to care for both the depressed adult and prevention of effects in the child. The report will be of particular interest to federal health officers, mental and behavioral health providers in diverse parts of health care delivery systems, health policy staff, state legislators, and the general public.

John Wiley & Sons

"This collection engages environmental, ethical and cultural values perspectives to show how Design and Technology (D&T) Education actively contributes to the significant educational goal of attaining sustainable global futures. An international collection of authors representing all levels of education articulate how D&T research, curriculum theory, policy, and classroom practices can synergise to contribute positively to the education of children for sustainable global futures. The book offers a spectrum of theorised curriculum positions, political and policy analysis, and case studies of successful school practice. A key word in the title is that of contribution which is construed in several senses: first, of D&T as a vehicle for understanding the range of political and social values that arise with such a major educational challenge; second, of D&T as an agent of critical and practical action for students as global citizens; third, by taking global and multiple perspectives (rather than, say, Western or mono-cultural positions); and, fourth, by demonstrating D&T's capacities for working in holistic and integrative cross-curricular ways. The authors show how students can not only learn about their potential as humans-as-designers but can also develop designerly capacities that enable them to contribute meaningfully in practical ways to their communities and to wider society, that is, as global citizens who can apply design capability in ethical ways that are respectful of peoples, cultures and environments alike."

Kill the Company Springer

Forming connections between human performance and design Engineering Psychology and Human Performance, 4e examines human-machine interaction. The book is organized directly from the psychological perspective of human information processing. The chapters generally correspond to the flow of information as it is processed by a human being--from the senses, through the brain, to action--rather than from the perspective of system components or engineering design concepts. This book is ideal for a psychology student, engineering student, or actual practitioner in engineering psychology, human performance, and human factors Learning Goals Upon completing this book, readers should be able to: * Identify how human ability contributes to the design of technology. *

Understand the connections within human information processing and human performance. * Challenge the way they think about technology's influence on human performance. * show how theoretical advances have been, or might be, applied to improving human-machine interaction

The Advertising Red Books: Business classifications Campus Verlag

This principal source for company identification is indexed by Standard Industrial Classification Code, geographical location, and by executive and directors' names.

The Advertising Red Books: Indexes National Academies Press

Combining coverage of both XSLT 2.0 and XPath 2.0, this book is the definitive reference to the final recommendation status versions of both specifications. The authors start by covering the concepts in XSLT and XPath, and then delve into elements, operators, expressions with syntax, usage, and examples. Some of the specific topics covered include XSLT processing model, stylesheet structure, serialization, extensibility, and many others. In addition to online content that includes error codes, the book also has case studies you'll find applicable to your own challenges.

Thomas Register of American Manufacturers and Thomas Register Catalog File John Wiley & Sons

Table of Contents Preface Acknowledgments for the first edition Acknowledgments for the second edition 1 Overview of Membrane Science and Technology 1 2 Membrane Transport Theory 15 3 Membranes and Modules 89 4 Concentration Polarization 161 5 Reverse Osmosis 191 6 Ultrafiltration 237 7 Microfiltration 275 8 Gas Separation 301 9 Pervaporation 355 10 Ion Exchange Membrane Processes - Electrodialysis 393 11 Carrier Facilitated Transport 425 12 Medical Applications of Membranes 465 13 Other Membrane Processes 491 Appendix 523 Index 535.

Automotive Engineering U. S. National Aeronautics & Space Administration

Viele Unternehmen sind innerlich so erstarrt, dass sie eine Anleitung zur Kreativität brauchen. Trend- und Innovationsberaterin Lisa Bodell sieht die Welt bevölkert von Zombie-Unternehmen, denen dringend neues Leben eingehaucht werden muss! Sie weiß, dass die Quelle für Wandel und Kreativität im Herzen der Firmen zu finden ist: in den Mitarbeitern. Denn diese kennen die wirklichen Schwachstellen. Mit 12 Killer-Tools machen mutige Führungskräfte dem Zombie sicher den Garaus. Mit "Kill a Stupid Rule" rütteln sie am Status quo. Ihre "Killerfragen" dienen dem provokativen Nachhaken. Indem sie "das Unmögliche möglich machen", stärken sie die Abwehrkräfte ihres Unternehmens. Sie schaffen mit "Kill the Company" Killer-Unternehmen!

Directory of United States Importers Apprimus Wissenschaftsverlag

Sketching User Experiences approaches design and design thinking as something distinct that needs to be better understood—by both designers and the people with whom they need to work—in order to achieve success with new products and systems. So while the focus is on design, the approach is holistic. Hence, the book speaks to designers, usability specialists, the HCI community, product managers, and business executives. There is an emphasis on balancing the back-end concern with usability and engineering excellence (getting the design right) with an up-front investment in sketching and ideation (getting the right design). Overall, the objective is to build the notion of informed design: molding emerging technology into a form that serves our society and reflects its values. Grounded in both practice and scientific research, Bill Buxton's engaging work aims to spark the imagination while encouraging the use of new techniques, breathing new life into user experience design. Covers sketching and early prototyping design methods suitable for dynamic product capabilities: cell phones that communicate with each other and other embedded systems, "smart" appliances, and things you only imagine in your dreams Thorough coverage of the design sketching method which helps easily build experience prototypes—without the effort of engineering prototypes which are difficult to abandon Reaches out to a range of designers, including user interface designers, industrial designers, software engineers, usability engineers, product managers, and others Full of case studies, examples, exercises, and projects, and access to video clips that demonstrate the principles and methods

Thomas Register CRC Press

Enhanced analytical capabilities and separation techniques, improved detection limits, and

accessibility of instrumentation have led to massive strides in the use of isotopes to assess microbial processes in surface and subsurface sediments. Considering the rapid growth of research and commercial interest in stable isotope and radioisotope applications for contaminant hydrology and microbial ecology, an up-to-date overview of the field is long overdue. Environmental Isotopes in Biodegradation and Bioremediation comprehensively covers established and emerging isotope methods for environmental applications, focusing on biodegradation and bioremediation. This book is an invaluable tool for researchers, practitioners, and regulators who require an extensive understanding of the application of isotope methods to natural compounds and environmental contaminants. It addresses questions including: What amount of a compound comes from anthropogenic release? Do the chemicals involved undergo degradation in the environment? Do they persist and accumulate? This book is divided into four sections: Isotope Fundamentals covers important background and theoretical information needed to understand later chapters Isotopes and Microbial Processes discusses the application of isotopes to different environmental redox conditions that dictate the predominant microbial processes that will occur Isotopes in Field Applications describes the transformation of anthropogenic pollutants and the application of isotope tools to field sites Isotope Emerging Areas addresses the use of compounds labeled with stable isotopes, including stable isotope probing and the use of radiocarbon at natural abundance and novel stable isotopes This reference details how isotope tools can be used to gain insight into the origin and fate of natural compounds and contaminants in the environment. Integrating theoretical and practical knowledge, the authors examine the principles of isotope tools and then present an extensive overview of key environmental processes that can be investigated with isotope methods. They also discuss analytical and data evaluation procedures, addressing established and emerging applications. To illustrate concepts and methodology, the authors use a wide range of case studies and recent field and laboratory research from various disciplines currently employing these methods. This book is a valuable tool for expanding the application of both stable isotopes and radioisotopes into untapped areas.

Standard & Poor's Register of Corporations, Directors and Executives Pearson UK

This book is primarily a summary of research done over 10 years in multimedia and virtual reality, which fits within a wider interest of exploiting psychological theory to improve the process of designing interactive systems. The subject matter lies firmly within the field of HCI, with some cross-referencing to software engineering. Extending Sutcliffe's views on the design process to more complex interfaces that have evolved in recent years, this book: *introduces the background to multisensory user interfaces and surveys the design issues and previous HCI research in these areas; *explains the basic psychology for design of multisensory user interfaces, including the Interactive Cognitive Subsystems cognitive model; *describes elaborations of Norman's models of action for multimedia and VR, relates these models to the ICS cognitive model, and explains how the models can be applied to predict the design features necessary for successful interaction; *provides a design process from requirements, user and domain analysis, to design of representation in media or virtual worlds and facilities for user interaction therein; *covers usability evaluation for multisensory interfaces by extending existing well-known HCI approaches of heuristic evaluation and observational usability testing; and *presents two special application areas for multisensory interfaces: educational applications and virtual prototyping for design refinement. To download images and figures free of charge that enhance and clarify materials discussed in chapters 1-7 go to <http://www.co.umist.ac.uk/centreULhci/MMVRbook.htm>

Human Health and Performance Risks of Space Exploration Missions Amer Academy of Pediatrics

David A. Hounshell's widely acclaimed history explores the American "genius for mass production" and traces its origins in the nineteenth-century "American system" of manufacture. Previous writers on the American system have argued that the technical problems of mass production had been solved by armsmakers before the Civil War. Drawing upon the extensive business and manufacturing records of leading American firms, Hounshell demonstrates that the diffusion of arms production technology was neither as fast nor as smooth as had been assumed. Exploring the manufacture of sewing machines and furniture, bicycles and reapers, he shows that both the expression "mass production" and the technology

that lay behind it were developments of the twentieth century, attributable in large part to the Ford Motor Company. Hounshell examines the importance of individuals in the diffusion and development of production technology and the central place of marketing strategy in the success of selected American manufacturers. Whereas Ford was the seedbed of the assembly line revolution, it was General Motors that initiated a new era with its introduction of the annual model change. With the new marketing strategy, the technology of "the changeover" became of paramount importance. Hounshell chronicles how painfully Ford learned this lesson and recounts how the successful mass production of automobiles led to the establishment of an "ethos of mass production," to an era in which proponents of "Fordism" argued that mass production would solve all of America's social problems.

Maclean-Fogg Component Solutions MIT Press

AAP Textbook of Pediatric Care: Tools for Practice is a comprehensive resource of tools to use in general pediatric practice. A stand-alone volume or as a companion to AAP Textbook of Pediatric Care, a comprehensive and innovative pediatric textbook based on Hoekelman's Primary Pediatric Care, this all-new book focuses on the core components of pediatric care including: *Engaging patients and family (educational tools, behavior modification support) * Decision support for clinicians in the form of 1) assessment/screening tools and 2) guideline tools (such as decision charts, automated entry sets, etc) * Enhancing coordination of care in the practice and in the community * Public health advocacy

Industrial Equipment News Psychology Press

Zur Substitution von Zinkphosphatschichten auf Halbzeugen für die Kaltmassivumformung wird ein tribologisches System vorgestellt, das die technologischen Funktionen der Reibungsreduktion und des Verschleißschutzes durch alternative tribologische Effekte abbildet. Durch die gezielte Interaktion einer gestrahlten mikroskopischen Halbzeugtopografie, einer keramischen Werkzeugbeschichtung auf PVD-Basis und einem flüssigen Esterschmierstoff gelingt die zinkphosphatfreie Kaltmassivumformung nicht nur auf Laborebene, sondern auch unter industriellen Randbedingungen.

Environmental Isotopes in Biodegradation and Bioremediation Morgan Kaufmann

As legions of businesses scramble to set up virtual-shop, we face an unprecedented level of competition to win over and keep new customers online. At the forefront of this battleground is your ability to connect with your customers, nurture your relationships and understand the psychology behind what makes them click. In this book The Web Psychologist, Nathalie Nahai, expertly draws from the worlds of psychology, neuroscience and behavioural economics to bring you the latest developments, cutting edge techniques and fascinating insights that will lead to online success. Webs of Influence delivers the tools you need to develop a compelling, influential and profitable online strategy which will catapult your business to the next level – with dazzling results.

Header Scheduling and Cost Reduction Psychology Press

This multi-volume set is a primary source for basic company and industry information. Names, addresses, SIC code, and geographic location of over 135,000 U.S. companies are included.

From the American System to Mass Production, 1800-1932

Maclean-Fogg Component Solutions Header Scheduling and Cost Reduction Automotive

Industries Tribologie der zinkphosphatfreien Kaltmassivumformung Apprimus Wissenschaftsverlag

Sketching User Experiences: Getting the Design Right and the Right Design

Includes a special annual issue: Insulation/circuits directory/encyclopedia.

Environment, Ethics and Cultures

A documentary history with brief narrative introductions illustrating the evolution of civil affairs policy and practice in the Mediterranean and European theaters.

Directory of Corporate Affiliations 2000

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Thoughtful Interaction Design

A list of U.S. importers and the products they import. The main company listing is geographic by state while products are listed by Harmonized Commodity Codes. There are also alphabetical company and product indexes.