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Toward an Information Grammar of Oral Languages Springer
The number of electric vehicles (cars, buses, e-bikes, electric scooters and electric motorcycles) sold in the Nordic countries is currently increasing quickly. That means that more electricity is used for driving, and also that more of some important metals are being used than earlier. This report regards the fate of the lithium-ion batteries used in vehicles in the Nordic countries. Currently the “Battery Directive” (EC, 2006) which is a producer’s responsibility directive, is under revision and this

study is a knowledge base intended for use by the Nordic Environmental Protection Agencies for their referral response in the revision process. This report focuses on the aspect of metal resources, but it does not elaborate on a broader range of environmental impacts, as these were outside the scope of this study.

Climatological Data, New England Pearson South Africa

This volume contains the selected papers of the first I.D.M.M.E. conference on 'Integrated Design and Manufacturing in Mechanical Engineering', held in Nantes from 15-17 April 1996. Its objective was to discuss the questions related to the definition of the optimal design and manufacturing processes and to their integration through coherent methodologies in adapted environments. The initiative of the Conference and the organization thereof, is mainly due to the efforts of the french PRIMECA group (Pool of Computer Resources for Mechanics) started eight years ago. We were able to attract the international community with the support of the International Institution for Production Engineering Research (C.I.R.P.). The conference brought together two hundred and fifty specialists from around the world. About ninety papers and twenty

posters were presented covering three main topics : optimization and evaluation of the product design process, optimization and evaluation of the manufacturing systems and methodological aspects.

Tolerable upper intake levels for vitamins and minerals Blekinge Institute of Technology

It is common for a design team to be handed a problem to solve for others. The handing over is normally referred to as a 'briefing' process, and the documentation of the starting point and what is to be done is known as a 'brief'. It is known that the way we frame and understand a problem influences what paths we see to potential solutions.

The aim of this thesis is to understand what makes a good design brief and to do so in order to create an empirically informed, and theoretically underpinned, typology of design briefs and the kind of search processes they are disposed to induce.

Different bodies of literature have tried to grasp how design solves problems in order to understand designer's behavior and ultimately facilitate or improve it.

Distinctions can, and have been made, between different kinds of problem formulations, as well as different problem-solving approaches. This thesis aims to

integrate two previously distinct literatures, search process from the organizational perspective developed by James G. March, Herbert A. Simon, Richard Cyert and others and Design and the Design Process from the perspectives of authors such as Donald Schön, Kees Dorst and Nigel Cross among others, to propose a typology of design briefs in order to ultimately facilitate problem formulation and subsequently facilitate the design process. The simple and immediate answer to the question of what makes a good design brief is: 'that depends'. It depends on the design process to be followed (if there is one), it depends on the kind of goals that should be achieved, the time available, and it also depends on how much and what is known about the problem and potential solutions. Based on this, four ideal types of design briefs are articulated, including the expected associated search behavior and challenges of design teams. Det är vanligt att ett designteam får ett problem att lösa åt andra. Överlämnandet kallas normalt en "briefing" -process och dokumentationen av utgångspunkten och vad som ska göras kallas ett "design brief ". Det är känt att det

sätt vi ramar in och förstår ett problem påverkar vilka vägar vi ser till potentiella lösningar. Syftet med denna avhandling är att förstå vad som gör ett bra "design brief" och att göra det för att skapa en empiriskt informerad och teoretiskt underbyggd typologi av design brief och vilken typ av sökprocesser de uppmuntrar. Olika litteratur har försökt förstå hur design löser problem för att förstå designerns beteende och i slutändan underlätta eller förbättra det. Skillnader kan och har gjorts mellan olika typer av problemformuleringar och olika problemlösningsmetoder. Denna avhandling syftar till att integrera två tidigare distinkta litteraturområden, sökprocess ur det organisatoriska perspektivet som utvecklats av James G. March, Herbert A. Simon, Richard Cyert och andra samt Design och designprocessen ur perspektiv av författare som Donald Schön, Kees Dorst och Nigel Cross bland andra för att föreslå en typologi av design brief för att underlätta problemformulering och därmed också underlätta designprocessen. Det enkla och omedelbara svaret på frågan om vad som gör ett bra design brief är: "det beror på". Det

beror på designprocessen som ska följas (om det finns en), det beror på vilken typ av mål som ska uppnås, den tillgängliga tiden, och det beror också på hur mycket och vad som är känt om problemet och potentiella lösningar. Baserat på detta artikuleras fyra idealtyper av design brief, inklusive det förväntade associerade sökbeteendet och utmaningar för designteam.

Integrated Design and Manufacturing in Mechanical Engineering W B Saunders Company

This open access book presents the proceedings of the 3rd Indo-German Conference on Sustainability in Engineering held at Birla Institute of Technology and Science, Pilani, India, on September 16 – 17, 2019. Intended to foster the synergies between research and education, the conference is one of the joint activities of the BITS Pilani and TU Braunschweig conducted under the auspices of Indo-German Center for Sustainable Manufacturing, established in 2009. The book is divided into three sections: engineering, education and entrepreneurship, covering a range of topics, such as renewable energy forecasting, design & simulation, Industry 4.0, and soft & intelligent sensors for energy efficiency. It also includes case studies on lean and green manufacturing, and life cycle analysis of ceramic products, as well as papers on teaching/learning methods based on the use of learning factories to improve students' problem-solving and personal skills. Moreover, the book discusses high-tech ideas to help the large number of unemployed engineering graduates looking for jobs become tech entrepreneurs. Given its broad scope, it will appeal to academics and industry professionals alike.

Language, Thought, and Mentalizing Prentice Hall

"When a story captures the imagination of millions, that's magic. Can you qualify magic? Archer and Jockers just may have done

so."—Sylvia Day, New York Times bestselling author Ask most people about massive success in the world of fiction, and you'll typically hear that it's a game of hazy crystal balls. The sales figures of E. L. James or Dan Brown seem to be freakish—random occurrences in an unknowable market. But what if there were an algorithm that could reveal a secret DNA of bestsellers, regardless of their genre? What if it knew, just from analyzing the words alone, not just why genre writers like John Grisham and Danielle Steel belong on the lists, but also that authors such as Junot Diaz, Jodi Picoult, and Donna Tartt had telltale signs of success all over their pages? Thanks to Jodie Archer and Matthew Jockers, the algorithm exists, the code has been cracked, and the results bring fresh new insights into how fiction works and why we read. The Bestseller Code offers a new theory for why Fifty Shades of Grey sold so well. It sheds light on the current craze for dark heroines. It reveals which themes tend to sell best. And all with fascinating supporting data taken from a five-year study of twenty thousand novels. Then there is the hunt for "the one"—the paradigmatic example of bestselling writing according to a computer's analysis of thousands of points of data. The result is surprising, a bit ironic, and delightfully unorthodox. This book explains groundbreaking text-mining research in accessible terms and offers a new perspective on the New York Times bestseller list. It's a big-idea book about the relationship between creativity and technology that will be provocative to anyone interested in how analytics have already transformed the worlds of finance, medicine, and sports. But at heart it is a celebration of books for readers and writers—a compelling investigation into how successful writing works, and a

fresh take on our intellectual and emotional response to stories.

Hughes Electrical Technology Evan-Moor

This monograph is intended as a reference book on Detachment Constructions (DECs) in the Information Structuring of oral and spoken languages. Focusing on DECs in a textual perspective, the book is an innovative contribution to the knowledge of oral and spoken languages, some of them widespread (Indo-European), others less taught (Finno-Ugric).

Arts & Humanities Citation Index Springer Science & Business

The workbook is a mixture of anatomy, physiology, pathology, pharmacology, radiology, and research. It is full of information for those who take care of neonates. The New England Journal of Medicine gave the book a favorable review. It is completely revised to incorporate advances in neonatal care. The 3rd Edition presents an interactive approach to neonatal evaluation and management of the most common problems in infants. Each chapter features case histories that require the reader to make diagnostic decisions and to explain scientific concepts as they apply to each clinical problem.

Asian Development Bank

Head and Neck Surgery and Oncology, by Drs. Jatin P. Shah Snehal G. Patel, and Bhuvanesh Singh, offers you authoritative, multidisciplinary guidance on the latest diagnostic and multidisciplinary therapeutic approaches for head and neck cancer. With this medical reference book, you'll have all the help you need to offer your patients the best possible prognoses and to optimally preserve and restore form and function. Overcome any challenge in head and neck surgery with comprehensive coverage

of the scalp, skull base, paranasal sinuses, oral cavity, pharynx, larynx, cervical lymph nodes, thyroid, salivary glands, and soft tissue and bone tumors - from incidence, diagnosis, and work up through treatment planning, operative techniques, rehabilitation, and outcomes. Increase your understanding of head and neck oncology with this completely reorganized edition, presenting a uniform flow of topics, which includes the latest information on Diagnostic approaches, staging, algorithms for selection of therapy, and outcomes of treatment for head and neck tumors. Offer today's best treatment options with outcomes of therapy data from the NCDB, institutional data from MSKCC, and evidence-based information Diagnose patients using the latest advances in radiographic imaging, diagnostic pathology and molecular biology. Take fullest advantage of every multidisciplinary management approach available including radiation oncology, medical oncology (including targeted therapies), maxillofacial prosthodontics and dental oncology, surgical procedures for salvage of recurrences after chemoradiation therapy, and rehabilitation measures to improve functional outcomes (speech, swallowing, etc.). Understand the nuances of day-to-day practical care of patients with basic operating room techniques and technology, intraoperative decisions, and post operative care for patients undergoing head and neck surgery. Know what to look for and how to proceed with sequential operative photographs of each surgical procedure and full-color artwork to demonstrate anatomical relationships. Particular emphasis is placed on surgical management of patients after chemo-radiotherapy, reflecting the changing paradigms in head and neck oncology and the special

challenges that confront modern day head and neck surgeons. This comprehensive text will assist in improved survival and preserving and restoring form and function with the surgical treatment of tumors.

Talking About Thinking Cengage AU

The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing. Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric

approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.

Fitters Hand Book Springer Science & Business Media

A multidisciplinary index covering the journal literature of the arts and humanities. It fully covers 1,144 of the world's leading arts and humanities journals, and it indexes individually selected, relevant items from over 6,800 major science and social science journals.

Advances in Communication, Signal Processing, VLSI, and Embedded Systems St. Martin's Press

Electrotechnology Practice is a practical text that accompanies Hampson/Hanssen's theoretical Electrical Trade Principles. It covers essential units of competencies in the two key qualifications in the UEE Electrotechnology Training Package: - Certificate II in Electrotechnology (Career Start) - Certificate III in Electrotechnology Electrician Aligned with the latest Australian and New Zealand standards, the text references the Wiring Rules (AS/NZS 3000:2018) and follows the uniform structure and system of delivery as recommended by the nationally accredited vocational education and training authorities. More than 1000 illustrations convey to the learner various concepts and real-world aspects of electrical practices, a range of fully worked examples and review questions support student learning, while assessment-style worksheets support the volume of assessment. Electrotechnology Practice has strong coverage of the electives for Cert II and Cert III, preparing students to eligibly sit for the Capstone Assessment or the Licenced Electrician's Assessment (LEA). as a mandatory requirement to earn an Electrician's Licence. Premium online teaching and learning tools are available on the MindTap platform.

Short Rotation Woody Crop Production Systems for Ecosystem Services and Phytotechnologies Nordic Council of Ministers

This text is a companion volume to Transmission Electron Microscopy: A Textbook for Materials Science by Williams and Carter. The aim is to extend the discussion of certain topics that are either rapidly changing at this time or that would benefit from more detailed discussion than space allowed in the primary text. World-renowned researchers have contributed chapters in their area of expertise, and the editors have carefully prepared these chapters to provide a uniform tone and treatment for this exciting material. The book features an unparalleled collection of color figures showcasing the quality and variety of chemical data that can be obtained from today's instruments, as well as key pitfalls to avoid. As with the previous TEM text, each chapter contains two sets of questions, one for self assessment and a second more suitable for homework assignments. Throughout the book, the style follows that of Williams & Carter even when the subject matter becomes challenging—the aim is always to make the topic understandable by first-year graduate students and others who are working in the field of Materials Science Topics covered include sources, in-situ experiments, electron diffraction, Digital Micrograph, waves and holography, focal-series reconstruction and direct methods, STEM and tomography, energy-filtered TEM (EFTEM) imaging, and spectrum imaging. The range and depth of material makes this companion volume essential reading for the budding microscopist and a key reference for practicing researchers using these and related techniques.

Handbook on Microgrids for Power Quality and Connectivity Springer Nature

Introduction to ProbabilityCRC Press

Baseball Prospectus 2014 MIT Press

This book provides a highly illustrated guide to the design, installation and maintenance of hot and cold water supply systems for domestic buildings. Based on British Standard BS 6700, the

new edition takes into account revisions to the standard since the book was first published in 1991. It has also been updated to give guidance on the 1999 Water Supply Regulations and includes revisions to the Building Regulations. Written for designers and installers, this immensely practical book will also be of interest to technical staff of water undertakers, property services managers and students of NVQ and BTECH courses. It was specially commissioned by the British Standards Institution and written for BSI by Bob Garrett, formerly of Langley College of Further Education and past President of the National Association of Plumbing Teachers.

Proceedings of the 1st IDMME Conference held in Nantes, France, 15–17 April 1996 John Wiley & Sons

This text is for a one semester graduate course in statistical theory and covers minimal and complete sufficient statistics, maximum likelihood estimators, method of moments, bias and mean square error, uniform minimum variance estimators and the Cramer-Rao lower bound, an introduction to large sample theory, likelihood ratio tests and uniformly most powerful tests and the Neyman Pearson Lemma. A major goal of this text is to make these topics much more accessible to students by using the theory of exponential families. Exponential families, indicator functions and the support of the distribution are used throughout the text to simplify the theory. More than 50 "brand name" distributions are used to illustrate the theory with many examples of exponential families, maximum likelihood estimators and uniformly minimum variance unbiased estimators. There are many homework problems with over 30 pages of solutions.

Detachments for Cohesion Nordic Council of Ministers

Provides profiles of major league players with information on statistics for the past five seasons and projections for the 2014 baseball season.

Fitting and Machining Elsevier Health Sciences

Our ability to attribute mental states to others ("to mentalize") has been the subject of philosophical and psychological studies for a very long time, yet the role of language acquisition in the development of our mentalizing abilities has been largely understudied. This book addresses this gap in the philosophical literature. The book presents an account of how false belief reasoning is impacted by language acquisition, and it does so by placing it in the larger context of the issue, how language impacts cognition in general. The work provides the reader with detailed and critical literature reviews, and draws on them to argue that language acquisition helps false belief reasoning by boosting the ability to create schemata that facilitate processing of information in some social contexts. According to this framework, it is a combination of syntactic clues and cultural narratives that helps the child to solve the classic false belief task. The book provides a novel, original account of how language helps false belief reasoning, while also giving the reader a broad, precise and well-documented picture of the debate around some of the most fundamental issues in social cognition.

Engineering Science NI CRC Press

This two-volume work is a testament to the increasing interest in the role of microbes in sustainable agriculture and food security. Advances in microbial technologies are explored in chapters dealing with topics such as carbon sequestration, soil fertility management, sustainable crop production, and

microbial signaling networks. Volume I is a collection of research findings that invites readers to examine the application of microbes in reinstating degraded ecosystems and also in establishing sustainable croplands. Highly readable entries attempt to close the knowledge gap between soil microbial associations and sustainable agriculture. An increase in the global population with changing climate is leading to environments of various abiotic and biotic stresses for agricultural crops. It therefore becomes important to identify the techniques to improve soil fertility and function using different microbial groups such as actinobacteria, microalgae, fluorescent pseudomonads and cyanobacterial systems. These are examined in this volume in greater detail. This work is a significant contribution to research in this increasingly important discipline, and will appeal to researchers in microbiology, agriculture, environmental sciences, and soil and crop sciences.

The Troll Inside You Wiley

E-Prime®, the software suite of Psychology Software Tools, is used worldwide for designing and running custom psychology experiments. Aimed at students and researchers alike, this timely volume provides a much needed, down-to-earth introduction into the wide range of experiments that can be set up using E-Prime®. Many tutorials are provided to introduce the beginner and reacquaint the experienced researcher with constructing experiments typical for the broad field of psychological and cognitive science. Apart from explaining the basic structure of E-Prime® and describing how it suits daily scientific practice, this book also gently introduces programming via E-Prime's own language: E-Basic. The authors guide the readers through the software step by step, from an elementary level to an advanced level, enabling them to benefit from the enormous possibilities E-Prime® provides for experimental design.

A Typology of Design Briefs John Wiley & Sons

This book comprises selected peer-reviewed papers from the International Conference on VLSI, Signal Processing, Power Systems, Illumination and Lighting Control, Communication and Embedded Systems (VSPICE-2019). The contents are divided into five broad

topics - VLSI and embedded systems, signal processing, power systems, illumination and control, and communication and networking. The book focuses on the latest innovations, trends, and challenges encountered in the different areas of electronics and communication, and electrical engineering. It also offers potential solutions and provides an insight into various emerging areas such as image fusion, bio-sensors, and underwater sensor networks. This book can prove to be useful for academics and professionals interested in the various sub-fields of electronics and communication engineering.