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Treatment Wetlands, Second Edition Robert H. Kadlec 2008-07-22 Completely revised and updated, Treatment Wetlands, Second Edition is still the most comprehensive resource available for the planning, design, and operation of wetland treatment systems. The book addresses the design, construction, and operation of wetlands for water pollution control. It presents the best current procedures for sizing these systems, and describing the intrinsic processes that combine to quantify performance. The Second Edition covers: New methods based on the latest research Wastewater characterization and regulatory framework analyses leading to detailed design and economics State-of-the-art procedures for analyzing hydraulics, hydrology, substrates and wetlands biogeochemistry Definition of performance expectations for traditional pollutants such as solids, oxygen demand, nutrients and pathogens, as well as for metals and a wide variety of individual organic and inorganic chemicals Discussion of methods of configuration, construction, and vegetation establishment and startup considerations Ancillary benefits of human use and wildlife habitat Specific examples of numerous applications Extensive reference base of current information The book provides a complete reference that includes: detailed information on wetland ecology, design for consistent performance, construction guidance and operational control through effective monitoring. Case histories of operational wetland treatment systems illustrate the variety of design approaches presented allowing you to tailor them to the needs of your wetlands treatment projects. The sheer amount of information found in Treatment Wetlands, Second Edition makes it the resource you will turn to again and again.

Multimodality and Genre J. Bateman 2008-04-17 The first systematic, corpus-based and theoretically rigorous approach to the description and analysis of multimodal documents. Drawing on academic research and the experience of designers and production teams, Bateman uses linguistically-based analysis to show how different modes of expression together make up a document with a recognisable genre.

Fundamentals of Aircraft and Airship Design Leland Malcolm Nicolai 2010 The aircraft is only a transport mechanism for the payload, and all design decisions must consider payload first. Simply stated, the aircraft is a dust cover. "Fundamentals of Aircraft and Airship Design, Volume 1: Aircraft Design" emphasizes that the science and art of the aircraft design process is a compromise and that there is no right answer; however, there is always a best answer based on existing requirements and available technologies.

Topics in Theoretical Computer Science Luís S. Barbosa 2020-08-28 This book constitutes the refereed proceedings of the Third IFIP WG 1.8 International Conference on Topics in Theoretical Computer Science, TTCS 2020, held in Tehran, Iran, in July 2020. The conference was held virtually due to the COVID-19 pandemic. The 8 papers presented in this volume were carefully reviewed and selected from 24 submissions. They focus on novel and high-quality research in all areas of theoretical computer science, such as algorithms and complexity; logic, semantics, and programming theory; and more.

The Myth of the Ethical Consumer Hardback with DVD Timothy M. Devinney 2010-07-29 A no-holds-barred examination of 'ethical' consumerism.

Black Venus Angela Carter 2012-09-30 Extraordinary and diverse people inhabit this rich, ripe, occasionally raucous collection of short stories. Some are based on real people - Jeanne Duval, Baudelaire's handsome and reluctant muse who never asked to be called the Black Venus, trapped in the terminal ennui of the poet's passion, snatching at a little lifesaving respectability against all odds...Edgar Allen Poe, with his face of a actor, demonstrating in every thought and deed how right his friends were when they said 'No man is safe who drinks before breakfast.' And some of these people are totally imaginary. Such as the seventeenth century whore, transported to Virginia for thieving, who turns into a good woman in spite of herself among the Indians, who have nothing worth stealing. And a girl, suckled by wolves, strange and indifferent as nature, who will not tolerate returning to humanity. Angela Carter wonderfully mingles history, fiction, invention, literary criticism, high drama and low comedy in a glorious collection of stories as full of contradictions and surprises as life itself.

Control of Spacecraft and Aircraft Arthur E. Bryson Jr. 2015-11-03 Here a leading researcher provides a

comprehensive treatment of the design of automatic control logic for spacecraft and aircraft. In this book Arthur Bryson describes the linear-quadratic-regulator (LQR) method of feedback control synthesis, which coordinates multiple controls, producing graceful maneuvers comparable to those of an expert pilot. The first half of the work is about attitude control of rigid and flexible spacecraft using momentum wheels, spin, fixed thrusters, and gimballed engines. Guidance for nearly circular orbits is discussed. The second half is about aircraft attitude and flight path control. This section discusses autopilot designs for cruise, climb-descent, coordinated turns, and automatic landing. One chapter deals with controlling helicopters near hover, and another offers an introduction to the stabilization of aeroelastic instabilities. Throughout the book there is a strong emphasis on the mathematical modeling necessary for designing a good feedback control system. The appendixes summarize analysis of linear dynamic systems, synthesis of analog and digital feedback control, simulation, and modeling of flexible vehicles.

Perception and Reality in Kant, Husserl, and McDowell Corijn van Mazijk 2020-03-06 How does perception give us access to external reality? This book critically engages with John McDowell's conceptualist answer to this question, by offering a new exploration of his views on perception and reality in relation to those of Immanuel Kant and Edmund Husserl. In six chapters, the book examines these thinkers' respective theories of perception, lucidly describing how they fit within their larger philosophical views on mind and reality. It thereby not only reveals the continuity of a tradition that underlies today's fragmented scholarly landscape, but also yields a new critique of McDowell's conceptualist theory. In doing so, the book contributes to the ongoing bridging of traditions, by combining analytic philosophy, Kantian philosophy, and phenomenology. Perception and Reality in Kant, Husserl, and McDowell will appeal to scholars and students working in the history of philosophy, phenomenology, Kantian philosophy, and in particular the philosophy of perception.

The oldest English texts Henry Sweet 1885

Academic Strategy George Keller 1983-03 Alone among America's major institutions, colleges and universities have traditionally refused to adopt modern management and planning. Now they have entered a perilous new era of declining enrollments, inflated costs, and shifting academic priorities. The result: higher education is going through a planning and management revolution. This path breaking book describes in detail the nature and dimensions of education's dramatic reversal and the reasons behind it. It examines the new role of strategic planning and the resulting changes in the role of professors, trustees, and college presidents. It describes how colleges and universities can introduce the latest planning and management methods for their own benefit.

First Language Attrition Monika S. Schmid 2013-05-22 This volume consists of a collection of papers that focus on structural/grammatical aspects of the process of first language attrition. It presents an overview of current research, methodological issues and important questions regarding first language attrition. In particular, it addresses the two most prominent issues in current L1 attrition research: Can attrition effects impact on features of core syntax, or are they limited to interface phenomena?, and; What is the role of age at onset (pre-/post-puberty) in this regard? By investigating attrition in a variety of settings, from a case study of a Spanish-speaking adoptee in the US to an empirical investigation of more than 50 long-term attriters of Turkish in the Netherlands, the investigations presented take a new perspective on these issues. Originally published in Language, Interaction and Acquisition - Language, Interaction et Acquisition 2:2 (2011).

Biomass for Renewable Energy, Fuels, and Chemicals Donald L. Klass 1998-07-06 Biomass for Renewable Energy, Fuels, and Chemicals serves as a comprehensive introduction to the subject for the student and educator, and is useful for researchers who are interested in the technical details of biomass energy production. The coverage and discussion are multidisciplinary, reflecting the many scientific and engineering disciplines involved. The book will appeal to a broad range of energy professionals and specialists, farmers and foresters who are searching for methods of selecting, growing, and converting energy crops, entrepreneurs who are commercializing biomass energy projects, and those involved in designing solid and liquid waste disposal-energy recovery systems. Presents a graduated treatment from basic principles to the details of specific technologies Includes a critical analysis of many biomass energy research and commercialization activities Proposes several new technical approaches to improve efficiencies, net energy production, and economics Reviews failed projects, as well as successes, and methods for overcoming barriers to commercialization Written by a leader in the field with 40 years of educational, research, and commercialization experience

Handbook of African Educational Theories and Practices: A Generative Teacher Education Curriculum A. Bame Nsamenang 2012

Gestalt Psychology in German Culture, 1890-1967 Mitchell G. Ash 1998-10-13 A full-length historical study of Gestalt psychology in Germany, based on exhaustive research in primary sources.

The Engaged Sociologist Kathleen Odell Korgen 2014-09-23 This fully updated edition of The Engaged Sociologist by Kathleen Odell Korgen carries the public sociology movement into the classroom, while at the same time providing an engaging overview of the entire field. It demonstrates how to think sociologically, to develop a sociological eye, and to use sociological tools to become effective participants in a democratic society. Perfect as a supplement for an introductory course, or as a main text for any course that has public sociology at its roots, this inspiring book will serve as a guidebook to any student who is passionate about applying sociological concepts to

the world around them.

Grammar and Interaction Emma Betz 2008-10-29 This monograph provides a micro-analytic description of the structure and communicative use of syntactic pivot constructions in German. Using the methodology of Conversation Analysis, this work shows that pivots emerge in interaction in response to local communicative needs. Exclusively found in spoken German, pivots allow a speaker to extend an utterance beyond a possible completion point in a syntactically and prosodically unobtrusive way. Speakers utilize this basic property to promote context-specific actions: managing boundaries of speakership, bridging sequential and topical junctures, and dealing with different types of interactional trouble. Through a close examination of syntactic pivots as an interactional resource, this work shows that spoken linguistic structures can only be fully understood if we acknowledge the temporality of language and view grammar as usage-based and negotiable. This book thus contributes to a growing body of research at the intersection of grammar and interaction.

Advanced Database Systems Nabil R. Adam 1993-12-08 Database management is attracting wide interest in both academic and industrial contexts. New application areas such as CAD/CAM, geographic information systems, and multimedia are emerging. The needs of these application areas are far more complex than those of conventional business applications. The purpose of this book is to bring together a set of current research issues that addresses a broad spectrum of topics related to database systems and applications. The book is divided into four parts: - object-oriented databases, - temporal/historical database systems, - query processing in database systems, - heterogeneity, interoperability, open system architectures, multimedia database systems.

Performance, Stability, Dynamics, and Control of Airplanes Bandu N. Pamadi 2004

The Unheard Truth Irene Khan 2009 A secretary general of Amnesty International presents arguments on how poverty is a global human-rights violation that has been ineffectively addressed as an economic problem, in a report that calls for the poor to be empowered with basic security rights, freedom, and dignity. Original.

Fantasy and Mimesis (Routledge Revivals) Kathryn Hume 2014-08-01 Since Plato and Aristotle's declaration of the essence of literature as imitation, western narrative has been traditionally discussed in mimetic terms. Marginalized fantasy- the deliberate from reality – has become the hidden face of fiction, identified by most critics as a minor genre. First published in 1984, this book rejects generic definitions of fantasy, arguing that it is not a separate or even separable strain in literary practice, but rather an impulse as significant as that of mimesis. Together, fantasy and mimesis are the twin impulses behind literary creation. In an analysis that ranges from the Icelandic sagas to science fiction, from Malory to pulp romance, Kathryn Hume systematically examines the various ways in which fantasy and mimesis contribute to literary representations of reality. A detailed and comprehensive title, this reissue will be of particular value to undergraduate literature students with an interest in literary genres and the centrality of literature to the creative imagination.

Transatlantic History Carla Rahn Phillips 2006 The transatlantic world has had immense influence on the direction of world history. The six illuminating studies in *Transatlantic History* address cultural exchanges and intercontinental developments that contribute to our modern understanding of global communities. Transatlantic history encompasses a variety of scholarly problems and approaches from multiple disciplines, and volume editors Steven G. Reinhardt and Dennis P. Reinhartz have assembled a collection of essays that reflect the diversity within the field. Introducing the book, William McNeill provides a unifying overview of the concept and practice of transatlantic history by placing it within the larger context of world history. The chapter authors bring distinctive styles and methods to the investigation of the processes of interaction and adaptation among Africans, Native Americans, and Europeans. Their studies range from the Spanish imperial crisis in the 1600s to the urbanization of Europe and the Americas, from graphic portrayals of the Atlantic world to the settlement of Ireland, America, and South Africa and the recent diaspora of West Africans. Readers interested in world history, communication, and cultural studies will find *Transatlantic History* provocative and challenging as it convincingly argues for the importance of this new field.

Play and Imagination in Children with Autism, 2nd Edition Pamela J. Wolfberg 2015-04-18 This now classic text remains a cornerstone of continuing efforts to develop inclusive peer play programs for children on the autism spectrum. The second edition has been thoroughly revised to reflect major new developments in the field of autism. Notable additions include an updated description of the Integrated Play Groups (IPG) model and related research; an examination of the nature of autism and of play from past to present, with major updates on incidence, diagnosis, and characteristics; and a comprehensive review of play interventions. Presenting vivid descriptions of three children with autism over a 10-year period (from age 5 to age 16), *Play and Imagination in Children with Autism: Traces the development of the children as they overcome obstacles to enter into the play culture of their peers. Focuses on two critical years during which the children participated in a peer play group. Documents the emergence of remarkable transformations in the children's social relations with peers and symbolic activity. Includes vignettes, dialogue, and samples of writing and drawing to bring the children's stories to life. Lays out the implications for new directions in research and practice.* Pamela J. Wolfberg is Associate Professor of special education and Director of the autism spectrum graduate program (Project Mosaic) at San Francisco State University. "Play and Imagination in Children with Autism has been the cornerstone of my professional and personal life for nearly a decade. This updated edition retains the original accessible style, explaining so clearly the pivotal role that peer play holds in the lives of individuals on the autism spectrum, while providing readers with cutting-edge

developments in theory, research, and practice in the field.” —Heather McCracken, Founder/Executive Director, Friend 2 Friend Social Learning Society “Dr. Wolfberg continues to break new ground with the second edition of her book. What a pleasure for any child to get involved in one of her integrated play groups, and what a relief for parents to know that their child is both learning and having fun! This is a wonderful resource for professionals interested in creating engaging and effective social skills groups for children on the autism spectrum.” —Connie Kasari, UCLA Graduate School of Education and Information Studies “Children with autism benefit in so many ways from social play experiences, despite the significant challenges in symbolic development. Dr. Pamela Wolfberg, a leading expert in this crucial aspect of children's development, once again guides us in a highly engaging manner in supporting social and play development for children with ASD.” —Barry M. Prizant, Director, Childhood Communication Services, Brown University “This book is a ‘must’ for anyone who wants to bring about genuine social reciprocity and imagination in children with autistic spectrum disorders. Pamela Wolfberg takes us on a journey through previously uncharted territory, documenting in rich qualitative detail how to scaffold entry into the culture of peer play.” —Adriana L. Schuler, San Francisco State University “Dr. Wolfberg has done a fine and sensitive job in characterizing the pivotal role that play skills hold in the social and linguistic world of the child with autism. Her development of Integrated Peer Play Groups, and the delineation of the autistic child as the ‘Novice Player’ and the typical child as the ‘Expert Player,’ is a very valuable heuristic tool to all who work with children with autism.” —Bryna Siegel, Langley Porter Psychiatric Institute, University of California, San Francisco

News Agencies from Pigeon to Internet K. M. Shrivastava 2007 Deals with a very important business in global communication of news -- the news agencies. The first news agencies started their business when the fastest technology was a combination of telegraph and carrier pigeon. They have survived several technological developments since then and have used these technologies for further diversification of services and revenues. The Internet, some thought, will make the news agencies extinct like dinosaurs. But, well run news agencies found a new opportunity in this threat. Though there have been some corporate biographies of news agencies, there has not been any comprehensive analytical work in the past 25 years on this business. This book is an attempt to fill this void in the global literature on journalism, media studies, international communication and business management studies. Besides, the students of these academic disciplines, diplomats, policymakers, and all types of communication professionals will find this book useful. It will also be a good read for lay persons who unconsciously consume the products of news agencies through all types of media -- from newspapers to mobile phones.

Biocomputing Panos M. Pardalos 2013-12-01 In the quest to understand and model the healthy or sick human body, researchers and medical doctors are utilizing more and more quantitative tools and techniques. This trend is pushing the envelope of a new field we call Biomedical Computing, as an exciting frontier among signal processing, pattern recognition, optimization, nonlinear dynamics, computer science and biology, chemistry and medicine. A conference on Biocomputing was held during February 25-27, 2001 at the University of Florida. The conference was sponsored by the Center for Applied Optimization, the Computational Neuroengineering Center, the Biomedical Engineering Program (through a Whitaker Foundation grant), the Brain Institute, the School of Engineering, and the University of Florida Research & Graduate Programs. The conference provided a forum for researchers to discuss and present new directions in Biocomputing. The well-attended three days event was highlighted by the presence of top researchers in the field who presented their work in Biocomputing. This volume contains a selective collection of refereed papers based on talks presented at this conference. You will find seminal contributions in genomics, global optimization, computational neuroscience, fMRI, brain dynamics, epileptic seizure prediction and cancer diagnostics. We would like to take the opportunity to thank the sponsors, the authors of the papers, the anonymous referees, and Kluwer Academic Publishers for making the conference successful and the publication of this volume possible. Panos M. Pardalos and Jose C.

Agile Supply Chain Remko Ivan Hoek 2006

Stairs Christine Peter 2018-05-15 Stairs are the most important vertical circulation element. They shape the space and give the entire design a unique character. However, the requirements when planning stairs are high and vary enormously depending on the multitude of building tasks and materials. Practice Stairs orders all stair types by design and construction typologies. In addition, a planning guide explains the various stair parts, building elements, construction types as well as materials. Finally, an example part with especially appealing realised projects invites you to draw inspiration for your own practice.

Emotions at School Reinhard Pekrun 2017-08-14 For more than a decade, there has been growing interest in the role of emotions in academic settings. Written by leading experts on learning and instruction, Emotions at School focuses on the connections between educational research and emotion science, bringing the subject to a wider audience. With chapters on how emotions develop and work, evidence-based recommendations about how to foster adaptive emotions, and clear explanations of key concepts and ideas, this concise volume is designed for any education course that includes emotions in the curriculum. It will be indispensable for student researchers and both pre- and in-service teachers alike.

Biomechatronics Marko B. Popovic 2019-04-04 Biomechatronics is rapidly becoming one of the most influential and innovative research directions defining the 21st century. Biomechatronics will provide a complete and up-to-date account of this advanced subject at the university textbook level. Each chapter in this book will be co-authored by

top industry experts in the corresponding subfield, and will be led by Professor Marko B. Popovic, researcher and educator at the forefront of advances in the biomechatronics field. Beginning with an introduction to the field and its historical background, this book will delve into the most groundbreaking and recent developments in biomechatronics, such as artificial organs and tissues, prosthetic limbs, orthotic systems, wearable systems for physical augmentation, physical therapy and rehabilitation, robotic surgery, and natural and synthetic sensors. The only biomechatronics textbook written especially for students at a university level Ideal for undergraduate and graduate students and researchers in the biomechatronics, biomechanics, robotics, and biomedical engineering fields Provides an overview of state-of-the-art science and technology of modern day biomechatronics, introduced by the leading experts in this fascinating field

Researching Vocabulary N. Schmitt 2010-08-18 The book overviews a wide range of vocabulary research methodologies, and offers practical advice on how to carry out valid and reliable research on first and second language vocabulary. It includes a Resources section which outlines the lexical tests, corpora, software, internet sites, and other resources available to vocabulary researchers.

Origins of the Universe Albert Hinkelbein 1972 Explores various theories on the creation and nature of the universe and examines the properties and interrelationship of the stars and planets, specifically the sun and earth.

Positive Tourism Sebastian Filep 2016-10-04 Tourism affects millions of individuals, numerous societies and environments in multiple, nuanced and overlapping ways. While it can be viewed as a frivolous leisure pursuit or simply a large industry, with potentially destructive impacts, it might also be understood in terms of its effects on human fulfilment, the good life and greater well-being. This book calls for positive tourism, principally grounded in theories from positive psychology (the study of what makes life worth living), and the development of a body of knowledge that explains what characterises optimal tourist experiences, what enables host communities to flourish and what encourages workers in tourism to thrive. Through original research studies reported in this international volume we aim to further develop this knowledge. The intersections between ongoing and traditionally inspired applications of psychology in tourism and this new thrust in psychological inquiry promise to refresh and challenge tourism research. This book will appeal to researchers and academics in tourism, leisure, positive psychology, management and related fields as well as graduate students, professionals and policy makers.

Engineering Psychology and Human Performance Christopher D. Wickens 2015-08-20 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

All About Passion Stephanie Laurens 2009-03-17 New York Times bestselling Australian author Stephanie Laurens delivers the latest tale in the immensely popular Cynster series. When Chillingworth is elected an 'honorary Cynster' at the end of All About Love, he knows he needs a wife, and an heir. His goal; a simple marriage without romance. He agrees to marry a woman he believes to be pliant and quiet. Unfortunately for him, the woman he thinks is Francesca Rawling is really her cousin, Franni. Francesca herself is proud, passionate and opinionated in short, the perfect bride for a Cynster...

The Prevention of Eating Problems and Eating Disorders Michael P. Levine 2006-04-21 This is the first authored volume to offer a detailed, integrated analysis of the field of eating problems and disorders with theory, research, and practical experience from community and developmental psychology, public health, psychiatry, and dietetics. The book highlights connections between the prevention of eating problems and disorders and theory and research in the areas of prevention and health promotion; theoretical models of risk development and prevention (e.g., developmental psychopathology, social cognitive theory, feminist theory, ecological approaches); and related research on the prevention of smoking and alcohol use. It is the most comprehensive book available on the study of prevention programs, especially for children and adolescents. The authors review the spectrum of eating problems and disorders, the related risk and protective factors, the models that have guided prevention efforts to date, the literature on the studies of prevention, and suggestions for curriculum and program development and evaluation. The book concludes with a new prevention program based on the Feminist Ecological Developmental model. The 800 + references highlight work done around the world. The Prevention of Eating Problems and Eating Disorders addresses: * methodologies for assessing and establishing prevention; * the implications of neuroscience for prevention; * dramatic increases in the incidence of obesity; * the role of boys, men, and the media on body image; * prevention programming for minority groups; and * whether to focus on primary or secondary prevention. Intended for clinicians and academicians from disciplines such as health, clinical, developmental, and community psychology;

social work; medicine; and public health; this book is also an ideal text for advanced courses on eating disorders.

Work, Happiness, and Unhappiness Peter Warr 2011-01-25 Award-winning psychologist Peter Warr explores why some people at work are happier or unhappier than others. He evaluates different approaches to the definition and assessment of happiness, and combines environmental and person-based themes to explain differences in people's experience. A framework of key job characteristics is linked to an account of primary mental processes, and those are set within a summary of demographic, cultural, and occupational patterns. Consequences of happiness or unhappiness for individuals and groups are also reviewed, as is recent literature on unemployment and retirement. Although primarily focusing on job situations, the book shows that processes of happiness are similar across settings of all kinds. It provides a uniquely comprehensive assessment of research published across the world. Initial chapters explore the several meanings of happiness and the ways in which those have been measured by psychologists. The construct includes pleasure, satisfaction and subjective well-being, and unhappiness has been studied in terms of dissatisfaction, strain, anxiety, and depression. The impacts of principal environmental features on these experiences are reviewed through an analogy with vitamins in relation to physical health—beneficial only up to a point. However, environmental effects are not fixed. Influences on happiness from within the person are examined in terms of principal thinking patterns, personality styles, and cultural backgrounds. Differences are explored between groups (men and women, older and younger people, employees who are full-time and part-time, and so on), and processes of person-environment fit are placed within an overall framework which emphasizes the impact of variations in personal salience. The book is written primarily for academic readers, including senior undergraduates, graduate students, teachers, and researchers in fields of Industrial/Organizational Psychology, Management, Human Resources, and Labor Studies. However, the topic's centrality in many professions makes it important also to a wider readership.

The Challenge of Public-private Partnerships Graeme A. Hodge 2005-01-01 Análise comparativa sobre parceria público privada e contrato de serviço social nos seguintes locais: Reino Unido, Estados Unidos, Suécia, Dinamarca, Alemanha, Austrália, Ásia.

Speech Production and Second Language Acquisition Judit Kormos 2014-05-12 This extremely up-to-date book, *Speech Production and Second Language Acquisition*, is the first volume in the exciting new series, *Cognitive Science and Second Language Acquisition*. This new volume provides a thorough overview of the field and proposes a new integrative model of how L2 speech is produced. The study of speech production is its own subfield within cognitive science. One of the aims of this new book, as is true of the series, is to make cognitive science theory accessible to second language acquisition. *Speech Production and Second Language Acquisition* examines how research on second language and bilingual speech production can be grounded in L1 research conducted in cognitive science and in psycholinguistics. Highlighted is a coherent and straightforward introduction to the bilingual lexicon and its role in spoken language performance. Like the rest of the series, *Speech Production and Second Language Acquisition* is tutorial in style, intended as a supplementary textbook for undergraduates and graduate students in programs of cognitive science, second language acquisition, applied linguistics, and language pedagogy.

Design Bernhard E. Bürdek 2015-08-31 For students of design, professional product designers, and anyone interested in design equally indispensable: the fully revised and updated edition of the reference work on product design. The book traces the history of product design and its current developments, and presents the most important principles of design theory and methodology, looking in particular at the communicative function of products and highlighting aspects such as corporate and service design, design management, strategic design, interface/interaction design and human design.. From the content: Design and history: The Bauhaus; The Ulm School of Design; The Example of Braun; The Art of Design Design and Globalization Design and Methodology: Epistemological Methods in Design Design and Theory: Aspects of the Disciplinary Design Theory Design and its Context: From Corporate Design to Service Design Product Language and Product Semiotics Architecture and Design Design and Society Design and Technological Progress

Bacillus Subtilis and Its Closest Relatives A. L. Sonenshein 2002 Focusing on issues of gene organization, regulation, and evolution in the context of the whole life of the cell, this new volume complements the editors' classic 1993 volume *Bacillus subtilis and Other Gram-Positive Bacteria*. Building upon the previous edition, *Bacillus subtilis and Its Closest Relatives* contains an updated annotation of the complete *B. subtilis* genome and includes a unique compilation of major pathways of metabolism and macromolecular synthesis, correlating genes and proteins and assigning new functions to many genes. It also provides clear explanations of the major regulatory mechanisms that are unique to gram-positive bacteria as well as an overview of their special properties. This essential reference offers detailed, current information and is valuable reading for microbiologists, biotechnologists, and students.

Elements of Gas Turbine Propulsion Jack D. Mattingly 2005-01-01 This text provides an introduction to gas turbine engines and jet propulsion for aerospace or mechanical engineers. The text is divided into four parts: introduction to aircraft propulsion; basic concepts and one-dimensional/gas dynamics; parametric (design point) and performance (off-design) analysis of air breathing propulsion systems; and analysis and design of major gas turbine engine components (fans, compressors, turbines, inlets, nozzles, main burners, and afterburners). Design concepts are introduced early (aircraft performance in introductory chapter) and integrated throughout. Written with extensive student input on the design of the book, the book builds upon definitions and gradually develops the

thermodynamics, gas dynamics, and gas turbine engine principles.