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City Logistics: Modelling, planning and evaluation

Attentional biases (ABs) play a prominent role in the development and maintenance of clinically relevant symptoms of, for example, anxiety and depression. In particular, increased attentional orienting and preoccupation with biologically relevant and mood-congruent stimuli has been observed, suggesting that the visual-attentional system is overly sensitive towards threat cues and avoidant of cues of reward in these disorders. First, several experimental paradigms have been used to assess ABs, e.g., the dot probe task, the emotional stroop task, and the spatial cueing task amongst others. Yet, these paradigms are based on different theoretical backgrounds and target different stages of the attentional process. Thus, different paradigms provided converging as well as diverging evidence with regard to ABs. However, it is often not entirely clear to what extent this reflects real differences and commonalities, or is caused by differences in methodology. For example, behavioral reaction time data can only provide a snapshot of selective attention. Measuring event-related potentials, eye movements, or functional brain imaging data enables exploring the exact temporal and spatial dynamics of attentional processes. Moreover, neuroimaging data reveal specific cortical networks involved in directing

attention toward a stimulus or disengaging from it. Second, ABs have been mainly discussed as symptoms of psychopathology, while results in healthy participants are still scarce; previous studies mostly compared extreme groups. However, a comprehensive theoretical and empirical account of ABs in psychopathology also requires a thorough account of ABs in the general healthy population. Moreover, the effect of gender, as an important contributing factor in processing of emotional stimuli, has also not been considered systematically in previous research. Third, a variety of stimuli has been used in the assessment of ABs. So far, mostly facial or word stimuli have been applied. However, in everyday life not only facial emotion recognition but also a fast evaluation of complex social situations is important to be effective in social interactions. Recent research started using more complex stimuli to raise ecological validity. However, the use of ecologically valid stimuli poses some methodological challenges and needs to be applied more systematically. The aim of this research topic is to integrate different paradigms and stimuli, addressing individuals from the whole range of the population continuum, and to apply different methodological approaches. It is intended to bring together expertise in stimulus selection, timing and implementing issues, advancing and broadening the overall understanding of ABs.

Crashworthiness

This volume on city logistics presents recent advances of modelling urban freight transport as well

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as planning and evaluating city logistics policy measures in the academic research areas and practices. The contributions of eleven chapters have come from eight countries, including Japan, UK, The Netherlands, Italy, France, Singapore, Indonesia, and Brazil. As city logistics aims at creating efficient and environmental-friendly urban freight transport systems, these chapters deal with challenging urban freight transport problems from various point of views of the usage of ITS (Intelligent Transport Systems), multi-agent modelling, public-private partnerships, and the disaster consideration. This book was published as a special issue of the International Journal of Urban Sciences.

Audio Power Amplifier Design

With the application of new analytical techniques, the field of food fermentation has grown in recent years. This book provides the latest information and relevant advances on the microbial ecology of fermented foods and the application of molecular methods. This book serves as a guide for students and researchers on the most advanced techniques to identify bacteria and helps in choosing the most appropriate tools to study fermented food from a microbiological point of view.

Women, Culture, and Politics in Latin America

IF YOU CAN READ A GPS DEVICE, YOU CAN NAVIGATE--AND SUSTAIN--YOUR COMPANY'S PATH TOWARD DRAMATIC GROWTH AND PROFIT SIMPLE IS

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BETTER! Businesses today are overwhelmed by complex, expensive, and time-consuming initiatives. These ideas sound great in the boardroom but fail when deployed in the real world. You need a business tool that takes your organization where it needs to go and is so simple and repeatable that anyone can use it. Just like a GPS helps get us where we are going, *Leading Your Business Forward* lays out a proven but simple process that any business can follow! Using the same five simple steps in every car's global positioning system--Acquiring, Settings, Where To, Recalculating, and Arriving--this book demonstrates just how quickly you can energize and transform your workplace. *Leading Your Business Forward* utilizes a simple Leadership GPS to show you how to:

DETERMINE YOUR ORGANIZATION'S LONG-TERM GOALS ENGAGE YOUR STAFF TO WORK TOWARD THEM GAUGE AND IMPROVE PERFORMANCE ON AN ONGOING BASIS MANAGE SUCCESS SO IT STICKS You will learn how to apply GPS-based methods to mobilize operations while incorporating "destination-focused" initiatives. The authors explain why high-performing companies devote enormous energy toward three vital components: goals, people, and systems. And while the world's most profitable corporations all share a clearly defined vision and mission, what's often missing is a direct link between tactical operational goals and strategic direction. Not anymore. With *Leading Your Business Forward* you'll learn to incorporate measurable goals into your company's daily regimen. Plus, you'll have the management tools to maintain teams that are engaged, focused, accountable--and poised to drive results. *Leading Your Business Forward* provides

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everything you need to determine baseline indicators of capability and measure employee engagement, while setting a course for transformation--from the inside out. Set Your Company's Course for Unparalleled Growth! Over the past decade, business leaders have been given a number of different road maps to success, all of which promised viable how-to solutions for business growth. They were very good maps, yet, with few exceptions, they did not guide us to a sustainable level of success. What's missing? A true GPS for leaders. Utilizing the five simple steps associated with your car's GPS system, this guide shows executives how to manage expectations and measure employee engagement and accountability while boosting productivity. Having brought their critical insight and innovation to bear at firms like Michelin Tire, Harley-Davidson, Learjet, Lockheed Martin, Boeing, Styrolution, DuPont, Boar's Head, Kroger, Revlon, Pfizer, Genentech, and Merck, the authors now present the ultimate resource for leaders. LEARN HOW TO: ESTABLISH KEY BENCHMARK INDICATORS DESIGN LEADERSHIP "PARAMETERS" SET DESTINATION GOALS TRACK COMPANY PROGRESS AND INCORPORATE ACCOUNTABILITY DEFINE BEHAVIORAL EXPECTATIONS AMONG STAFF IMPLEMENT BUSINESS-FOCUSED SCORECARDS TO EDUCATE, MOTIVATE, AND FACILITATE

Molecular Techniques in the Microbial Ecology of Fermented Foods

Draws on the collective experiences and insights of many individuals, and in particular from the

implementation of the WHO Multi-country Study on Women's Health and Domestic Violence against Women in over 10 countries. Twenty years ago, violence against women was not considered an issue worthy of international concern. Gradually, violence against women has come to be recognized as a legitimate human rights issue and as a significant threat to women's health and well-being. Now that international attention is focused on gender-based violence, methodologically rigorous research is needed to guide the formulation and implementation of effective interventions, policies, and prevention strategies. The manual has been developed in response to the growing need to improve the quality, quantity, and comparability of international data on physical and sexual abuse. It outlines some of the methodological and ethical challenges of conducting research on violence against women and describes a range of innovative techniques that have been used to address these challenges.

Sexual Reproduction in Animals and Plants

This review of recent developments in our understanding of the role of microbes in sustainable agriculture and biotechnology covers a research area with enormous untapped potential. Chemical fertilizers, pesticides, herbicides and other agricultural inputs derived from fossil fuels have increased agricultural production, yet growing awareness and concern over their adverse effects on soil productivity and environmental quality cannot be ignored. The

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high cost of these products, the difficulties of meeting demand for them, and their harmful environmental legacy have encouraged scientists to develop alternative strategies to raise productivity, with microbes playing a central role in these efforts. One application is the use of soil microbes as bioinoculants for supplying nutrients and/or stimulating plant growth. Some rhizospheric microbes are known to synthesize plant growth-promoters, siderophores and antibiotics, as well as aiding phosphorous uptake. The last 40 years have seen rapid strides made in our appreciation of the diversity of environmental microbes and their possible benefits to sustainable agriculture and production. The advent of powerful new methodologies in microbial genetics, molecular biology and biotechnology has only quickened the pace of developments. The vital part played by microbes in sustaining our planet's ecosystems only adds urgency to this enquiry. Culture-dependent microbes already contribute much to human life, yet the latent potential of vast numbers of uncultured—and thus untouched—microbes, is enormous. Culture-independent metagenomic approaches employed in a variety of natural habitats have alerted us to the sheer diversity of these microbes, and resulted in the characterization of novel genes and gene products. Several new antibiotics and biocatalysts have been discovered among environmental genomes and some products have already been commercialized. Meanwhile, dozens of industrial products currently formulated in large quantities from petrochemicals, such as ethanol, butanol, organic acids, and amino acids, are equally obtainable through microbial fermentation. Edited by

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a trio of recognized authorities on the subject, this survey of a fast-moving field—with so many benefits within reach—will be required reading for all those investigating ways to harness the power of microorganisms in making both agriculture and biotechnology more sustainable.

Nanoscopy and Multidimensional Optical Fluorescence Microscopy

Automotive Engineering

From the fundamentals of impact mechanics and biomechanics to modern analysis and design techniques in impact energy management and occupant protection this book provides an overview of the application of nonlinear finite elements, conceptual modeling and multibody procedures, impact biomechanics, injury mechanisms, occupant mathematical modeling, and human surrogates in crashworthiness.

Job Shop Lean

The prevalence of diabetes is on the increase in the UK and worldwide, partly due to changes in lifestyle which predispose individuals to overweight and obesity. It is estimated that about 90% of the currently diagnosed adults have type 2 diabetes, and based on the World Health Organisation (WHO) report, about 422 million adults were living with diabetes in 2014 compared with 108 million in 1980;

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this condition caused about 1.5 million deaths in 2012. In the United States of America, it is estimated that about 30.3 million adults are living with diabetes, with a further 1.5 million new diabetes cases diagnosed every year, representing an increasing prevalence of this condition. Diabetes represents a major public health challenge, despite advances in technology and the pharmaceutical industry. These problems may be in the form of acute or long-term complications. Therefore, in order to attenuate the problems of diabetes, management strategies usually include lifestyle changes such as increased physical activity and dietary interventions. Studies which evaluate the role of nutrition in the management of type 2 diabetes often involve human and animal models as these approaches enable us to have a broader and more in-depth understanding of the condition. In some cases, diabetes may co-exist with other conditions, such as stroke, and these may present unique challenges with regard to nutritional interventions. This Special Issue aims to evaluate the risk factors associated with type 2 diabetes and the role of the diet in the management of people with this condition. This evidence is drawn from both human and animal studies.

The Industrial Laser Handbook

As technology continues to drive innovation and impact societies across multiple national boundaries and cultures, new approaches towards marketing products must be created and implemented to be successful in an era of hypercompetition.

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Transcultural Marketing for Incremental & Radical Innovation provides in depth discussion on tactics for improving existing products while inventing completely new products and product categories. This publication will prove to be helpful for scholars, practitioners, and university students who wish to better understand the importance of marketing products and services across different cultures and multiple languages.

Handbook of U.S. Latino Psychology

Recently, scholars of Olmec visual culture have identified symbols for umbilical cords, bundles, and cave-wombs, as well as a significant number of women portrayed on monuments and as figurines. In this groundbreaking study, Carolyn Tate demonstrates that these subjects were part of a major emphasis on gestational imagery in Formative Period Mesoamerica. In *Reconsidering Olmec Visual Culture*, she identifies the presence of women, human embryos, and fetuses in monuments and portable objects dating from 1400 to 400 BC and originating throughout much of Mesoamerica. This highly original study sheds new light on the prominent roles that women and gestational beings played in Early Formative societies, revealing female shamanic practices, the generative concepts that motivated caching and bundling, and the expression of feminine knowledge in the 260-day cycle and related divinatory and ritual activities. *Reconsidering Olmec Visual Culture* is the first study that situates the unique hollow babies of Formative Mesoamerica within the

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context of prominent females and the prevalent imagery of gestation and birth. It is also the first major art historical study of La Venta and the first to identify Mesoamerica's earliest creation narrative. It provides a more nuanced understanding of how later societies, including Teotihuacan and West Mexico, as well as the Maya, either rejected certain Formative Period visual forms, rituals, social roles, and concepts or adopted and transformed them into the enduring themes of Mesoamerican symbol systems.

Animal Influenza

Quality Gaging Tips contains 144 instructive articles, arranged by topic, which originally appeared in a regular column (of the same name) in Modern Machine Shop magazine. Each of the articles presents valuable insights gained from years of experience and knowledge, and each is designed to assist the reader to 1) better understand the principles of gaging, and 2) improve their personal techniques. Both the science and the 'art' of dimensional gaging are stressed, providing a full understanding of the methodology along with detailed instructions on how to perform specific tasks properly. Emphasis throughout is on problem-solving ability, inventiveness, and creativity. The wide scope and authoritative style of this book makes it the ideal on-the-job companion for anyone involved in the science, and art, of industrial measurement wishing to improve their professional skills.

Advances in Salivary Diagnostics

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In the 1950's, the design and implementation of the Toyota Production System (TPS) within Toyota had begun. In the 1960's, Group Technology (GT) and Cellular Manufacturing (CM) were used by Serck Audco Valves, a high-mix low-volume (HMLV) manufacturer in the United Kingdom, to guide enterprise-wide transformation. In 1996, the publication of the book Lean Thinking introduced the entire world to Lean. Job Shop Lean integrates Lean with GT and CM by using the five Principles of Lean to guide its implementation: (1) identify value, (2) map the value stream, (3) create flow, (4) establish pull, and (5) seek perfection. Unfortunately, the tools typically used to implement the Principles of Lean are incapable of solving the three Industrial Engineering problems that HMLV manufacturers face when implementing Lean: (1) finding the product families in a product mix with hundreds of different products, (2) designing a flexible factory layout that "fits" hundreds of different product routings, and (3) scheduling a multi-product multi-machine production system subject to finite capacity constraints. Based on the Author's 20+ years of learning, teaching, researching, and implementing Job Shop Lean since 1999, this book Describes the concepts, tools, software, implementation methodology, and barriers to successful implementation of Lean in HMLV production systems Utilizes Production Flow Analysis instead of Value Stream Mapping to eliminate waste in different levels of any HMLV manufacturing enterprise Solves the three Industrial Engineering problems that were mentioned earlier using software like PFAST (Production Flow Analysis and

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Simplification Toolkit), Sgetti and Schedlyzer Explains how the one-at-a-time implementation of manufacturing cells constitutes a long-term strategy for Continuous Improvement Explains how product families and manufacturing cells are the basis for implementing flexible automation, machine monitoring, virtual cells, Manufacturing Execution Systems, and other elements of Industry 4.0 Teaches a new method, Value Network Mapping, to visualize large multi-product multi-machine production systems whose Value Streams share many processes Includes real success stories of Job Shop Lean implementation in a variety of production systems such as a forge shop, a machine shop, a fabrication facility and a shipping department Encourages any HMLV manufacturer planning to implement Job Shop Lean to leverage the co-curricular and extracurricular programs of an Industrial Engineering department

Modeling the Psychopathological Dimensions of Schizophrenia

This book contains the proceedings of the International Symposium on the Mechanisms of Sexual Reproduction in Animals and Plants, where many plant and animal reproductive biologists gathered to discuss their recent progress in investigating the shared mechanisms and factors involved in sexual reproduction. This now is the first book that reviews recent progress in almost all fields of plant and animal fertilization. It was recently reported that the self-sterile mechanism of a hermaphroditic marine invertebrate (ascidian) is very

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similar to the self-incompatibility system in flowering plants. It was also found that a male factor expressed in the sperm cells of flowering plants is involved in gamete fusion not only of plants but also of animals and parasites. These discoveries have led to the consideration that the core mechanisms or factors involved in sexual reproduction may be shared by animals, plants and unicellular organisms. This valuable book is highly useful for reproductive biologists as well as for biological scientists outside this field in understanding the current progress of reproductive biology.

The TDR Handbook

Work is constantly reshaped by technological progress. New ways of production are adopted, markets expand, and societies evolve. But some changes provoke more attention than others, in part due to the vast uncertainty involved in making predictions about the future. The 2019 World Development Report will study how the nature of work is changing as a result of advances in technology today. Technological progress disrupts existing systems. A new social contract is needed to smooth the transition and guard against rising inequality. Significant investments in human capital throughout a person's lifecycle are vital to this effort. If workers are to stay competitive against machines they need to train or retool existing skills. A social protection system that includes a minimum basic level of protection for workers and citizens can complement new forms of employment. Improved

private sector policies to encourage startup activity and competition can help countries compete in the digital age. Governments also need to ensure that firms pay their fair share of taxes, in part to fund this new social contract. The 2019 World Development Report presents an analysis of these issues based upon the available evidence.

Researching Violence Against Women

The significance of food and feasting to Pre-Columbian Mesoamerican cultures has been extensively studied by archaeologists, anthropologists and art historians. Foodways studies have been critical to our understanding of early agriculture, political economies, and the domestication and management of plants and animals. Scholars from diverse fields have explored the symbolic complexity of food and its preparation, as well as the social importance of feasting in contemporary and historical societies. This book unites these disciplinary perspectives — from the social and biological sciences to art history and epigraphy — creating a work comprehensive in scope, which reveals our increasing understanding of the various roles of foods and cuisines in Mesoamerican cultures. The volume is organized thematically into three sections. Part 1 gives an overview of food and feasting practices as well as ancient economies in Mesoamerica. Part 2 details ethnographic, epigraphic and isotopic evidence of these practices. Finally, Part 3 presents the metaphoric value of food in Mesoamerican symbolism, ritual, and mythology. The resulting

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volume provides a thorough, interdisciplinary resource for understanding, food, feasting, and cultural practices in Mesoamerica.

World Development Report 2019

For four hundred years--from the first Spanish assaults against the Arawak people of Hispaniola in the 1490s to the U.S. Army's massacre of Sioux Indians at Wounded Knee in the 1890s--the indigenous inhabitants of North and South America endured an unending firestorm of violence. During that time the native population of the Western Hemisphere declined by as many as 100 million people. Indeed, as historian David E. Stannard argues in this stunning new book, the European and white American destruction of the native peoples of the Americas was the most massive act of genocide in the history of the world. Stannard begins with a portrait of the enormous richness and diversity of life in the Americas prior to Columbus's fateful voyage in 1492. He then follows the path of genocide from the Indies to Mexico and Central and South America, then north to Florida, Virginia, and New England, and finally out across the Great Plains and Southwest to California and the North Pacific Coast. Stannard reveals that wherever Europeans or white Americans went, the native people were caught between imported plagues and barbarous atrocities, typically resulting in the annihilation of 95 percent of their populations. What kind of people, he asks, do such horrendous things to others? His highly provocative answer: Christians. Digging deeply into ancient European and Christian

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attitudes toward sex, race, and war, he finds the cultural ground well prepared by the end of the Middle Ages for the centuries-long genocide campaign that Europeans and their descendants launched--and in places continue to wage--against the New World's original inhabitants. Advancing a thesis that is sure to create much controversy, Stannard contends that the perpetrators of the American Holocaust drew on the same ideological wellspring as did the later architects of the Nazi Holocaust. It is an ideology that remains dangerously alive today, he adds, and one that in recent years has surfaced in American justifications for large-scale military intervention in Southeast Asia and the Middle East. At once sweeping in scope and meticulously detailed, American Holocaust is a work of impassioned scholarship that is certain to ignite intense historical and moral debate.

Designing and Building with Bamboo

The aim of this new book series (Diatoms: Biology and Applications) is to provide a comprehensive and reliable source of information on diatom biology and applications. The first book of the series, Diatoms Fundamentals & Applications, is wide ranging, starting with the contributions of amateurs and the beauty of diatoms, to details of how their shells are made, how they bend light to their advantage and ours, and major aspects of their biochemistry (photosynthesis and iron metabolism). The book then delves into the ecology of diatoms living in a wide range of habitats, and look at those few that can kill or harm us. The book concludes with a wide range of

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applications of diatoms, in forensics, manufacturing, medicine, biofuel and agriculture. The contributors are leading international experts on diatoms. This book is for a wide audience researchers, academics, students, and teachers of biology and related disciplines, written to both act as an introduction to diatoms and to present some of the most advanced research on them.

Behavioral and Physiological Bases of Attentional Biases: Paradigms, Participants, and Stimuli

Many diseases, nutrients, and foods affect bone structure and bone function, and are critical for human health and happiness. Osteoporosis is the most common bone metabolic disorder in humans. Its incidence is related to poor nutrition, altered hormonal status, ageing, diminished physical activity, impaired health status and harmful pharmacotherapy. Vitamins, especially vitamin D, and calcium are historically recognized as important for bone health, whereas this book also shows that there is evidence for an association between vitamin D, calcium, bone mineral density and colorectal cancer. In addition, calcium supplements may increase the risk for cardiovascular events. In regular food patterns, milk, vegetables, herbs, fruit and omega-3 may be profitable for bone health. Eating disorders also influence bone. For example, obesity is known to promote bone disease. This book discusses the multiple mechanisms by which obesity may affect bone mass and the effect of diet-induced maternal

obesity on fetal bone development, as well as the different nutritional factors that can affect adolescent bone health. In addition, anorexia nervosa treatments that may help prevent loss of bone mass are reviewed. These treatments should not only be geared towards females but also towards males.

The Moral Brain

In this 21st century, technological and social changes have never been as rapid as before, and educative practices must evolve and innovate to keep up. What is being done by educators today to prepare future global citizens? What are the skills and competencies that will be required by our students? What changes in how we approach education might need to be made? This book presents a modern focus on some significant issues in teaching, learning, and research that are valuable in preparing students for the 21st century. The book discusses these issues in four sections. The first section presents contemporary, innovative curriculum and pedagogical practices that are relevant for the 21st century. This also includes how social networking has an integrated role within current educative practice. The next section then explores issues and current research around motivation and engagement, and how these are changing in this era of technological and social change. The third section presents debates around inclusion and social contexts, both global and local. Finally, the fourth section explores current discourses in regard to internationalisation and globalisation and how these are being considered in educational

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research. The book is an important representation of some of the work currently being done for these rapidly changing times. It will appeal to academics, researchers, teacher educators, educational administrators, teachers and anyone interested in preparing students for a modern and globally interconnected world.

Microorganisms in Sustainable Agriculture and Biotechnology

This book reviews the progress made in salivary diagnostics during the past two decades and identifies the likely direction of future endeavors. After an introductory section describing the histological and anatomical features of the salivary glands and salivary function, salivary collection devices and diagnostic platforms are reviewed. The field of “salivaomics” is then considered in detail, covering, for example, proteomics, the peptidome, DNA and RNA analysis, biomarkers, and methods for biomarker discovery. Salivary diagnostics for oral and systemic diseases are thoroughly discussed, and the role of salivary gland tissue engineering for future diagnostics is explored. The book closes by considering legal issues and barriers to salivary diagnostic development. Advances in Salivary Diagnostics will be an informative and stimulating reference for both practitioners and students.

Pre-Columbian Foodways

The result of a collaboration among eight women

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scholars, this collection examines the history of women's participation in literary, journalistic, educational, and political activity in Latin American history, with special attention to the first half of this century.

The Velvet Glove

This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1994.

Handbook of nutrition and diet in therapy of bone diseases

Invasive alien species are a major threat to biodiversity and ecosystems throughout the world. In India, a country with four of the world's most important 'biodiversity hotspots', the invasion of alien plants means risking a national ecological disaster with major social and economic consequences. Currently, there is insufficient information about invasive alien plants; their distribution, rate of spread and adaptability to new environments. This book reveals existing and potential invaders, evaluates the level of risk they pose to native species and suggests steps to manage spread and limit damage. Invaluable

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to policy-makers, this book is also required reading for researchers of invasive plants worldwide.

Transportation Research

This book is essential for audio power amplifier designers and engineers for one simple reason it enables you as a professional to develop reliable, high-performance circuits. The Author Douglas Self covers the major issues of distortion and linearity, power supplies, overload, DC-protection and reactive loading. He also tackles unusual forms of compensation and distortion produced by capacitors and fuses. This completely updated fifth edition includes four NEW chapters including one on The XD Principle, invented by the author, and used by Cambridge Audio. Crosstalk, power amplifier input systems, and microcontrollers in amplifiers are also now discussed in this fifth edition, making this book a must-have for audio power amplifier professionals and audiophiles.

Proceedings of the International Conference on Data Engineering 2015 (DaEng-2015)

Modeling the Psychopathological Dimensions of Schizophrenia: From Molecules to Behavior is the first book to offer a comprehensive review of the new theoretical, clinical, and basic research framework that considers psychotic illness as a group of dimensional representations of psychopathology rather than as traditional distinct categorical

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diagnoses. Psychotic illness, typified by schizophrenia, is a devastating condition increasingly recognized as a disorder of abnormal brain development and dysconnectivity. Its complex etiology involves both genetic and environmental factors, as well as the interplay among them. This book describes the current understanding of the clinical and pathological features of schizophrenia, with a particular focus on the evolving conceptualization of schizophrenia and related diagnostic categories of psychotic illness as combinations of dimensional abnormalities. It provides an overview of modern strategies for generating cellular and whole animal models of schizophrenia as well as detailed reviews of the specific experimental preparations and paradigms aimed at molecular, developmental, and brain-network mechanisms that are the underlying aspects of abnormal behavior and various aspects of schizophrenia. This groundbreaking book is an authoritative overview of the translational impact of emerging clinical insights on basic research approaches in schizophrenia that will advance the reader's understanding of the five major dimensions of psychopathology in schizophrenia and related psychoses and resolve the genetic and neurobiological underpinnings of these dimensions. Includes reviews of animal models that capture the most recent insights into the etiology and pathogenetic mechanisms of schizophrenia, with an emphasis on the translational potential of these models Contains a series of reviews of recently available cellular models for analysis of signaling pathways and gene expression, which complement

behavioral neuroscience research in schizophrenia
Edited and authored by leading researchers in the
field of schizophrenia and related psychoses

Botrytis - the Fungus, the Pathogen and its Management in Agricultural Systems

Describes the weldability aspects of structural materials used in a wide variety of engineering structures, including steels, stainless steels, Ni-base alloys, and Al-base alloys Welding Metallurgy and Weldability describes weld failure mechanisms associated with either fabrication or service, and failure mechanisms related to microstructure of the weldment. Weldability issues are divided into fabrication and service related failures; early chapters address hot cracking, warm (solid-state) cracking, and cold cracking that occur during initial fabrication, or repair. Guidance on failure analysis is also provided, along with examples of SEM fractography that will aid in determining failure mechanisms. Welding Metallurgy and Weldability examines a number of weldability testing techniques that can be used to quantify susceptibility to various forms of weld cracking. Describes the mechanisms of weldability along with methods to improve weldability Includes an introduction to weldability testing and techniques, including strain-to-fracture and Varestreint tests Chapters are illustrated with practical examples based on 30 plus years of experience in the field Illustrating the weldability aspects of structural materials used in a wide variety of engineering structures, Welding Metallurgy and Weldability

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provides engineers and students with the information needed to understand the basic concepts of welding metallurgy and to interpret the failures in welded components.

City of Inmates

Los Angeles incarcerates more people than any other city in the United States, which imprisons more people than any other nation on Earth. This book explains how the City of Angels became the capital city of the world's leading incarcerator. Marshaling more than two centuries of evidence, historian Kelly Lytle Hernandez unmaskes how histories of native elimination, immigrant exclusion, and black disappearance drove the rise of incarceration in Los Angeles. In this telling, which spans from the Spanish colonial era to the outbreak of the 1965 Watts Rebellion, Hernandez documents the persistent historical bond between the racial fantasies of conquest, namely its settler colonial form, and the eliminatory capacities of incarceration. But *City of Inmates* is also a chronicle of resilience and rebellion, documenting how targeted peoples and communities have always fought back. They busted out of jail, forced Supreme Court rulings, advanced revolution across bars and borders, and, as in the summer of 1965, set fire to the belly of the city. With these acts those who fought the rise of incarceration in Los Angeles altered the course of history in the city, the borderlands, and beyond. This book recounts how the dynamics of conquest met deep reservoirs of rebellion as Los Angeles became the City of Inmates, the

nation's carceral core. It is a story that is far from over.

The Cambridge History of Latin American Women's Literature

Welding Metallurgy and Weldability

These proceedings gather outstanding research papers presented at the Second International Conference on Data Engineering 2015 (DaEng-2015) and offer a consolidated overview of the latest developments in databases, information retrieval, data mining and knowledge management. The conference brought together researchers and practitioners from academia and industry to address key challenges in these fields, discuss advanced data engineering concepts and form new collaborations. The topics covered include but are not limited to: • Data engineering • Big data • Data and knowledge visualization • Data management • Data mining and warehousing • Data privacy & security • Database theory • Heterogeneous databases • Knowledge discovery in databases • Mobile, grid and cloud computing • Knowledge management • Parallel and distributed data • Temporal data • Web data, services and information engineering • Decision support systems • E-Business engineering and management • E-commerce and e-learning • Geographical information systems • Information management • Information quality and strategy • Information retrieval, integration and visualization • Information

security • Information systems and technologies

Dietary Intake and Type 2 Diabetes

Animal Influenza, Second Edition is a comprehensive text on animal influenza. Organized by species, coverage includes avian, swine, equine and mammals, with each section including data on influenza viruses, the infection and disease they cause, and strategies used in control. Covers the full range of topics within avian, swine, equine and mammalian influenzas in one comprehensive and authoritative text Provides a summarization of peer-reviewed and empirical data on influenza viruses, the infection, and diseases they cause Discusses strategies used in control of the disease Leading experts are drawn together to provide an international and multi-disciplinary perspective Fuses latest developments in basic scientific research with practical guidance on management of the disease

Trifles

The fungal genus *Botrytis* is the focus of intensive scientific research worldwide. The complex interactions between this pathogen and the plants it infects and the economic importance of the diseases caused by *Botrytis* (principally grey mould) on more than 1400 species of cultivated plants pre- and post-harvest, render this pathogen of particular interest to farmers, advisers, students and researchers in many fields worldwide. This 20-chapter book is a comprehensive treatise covering the rapidly

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developing science of Botrytis and reflecting the major developments in studies of this fungus. It will serve as a source of general information for specialists in agriculture and horticulture, and also for students and scientists interested in the biology of this fascinating, multifaceted phytopathogenic fungal species.

Leading Your Business Forward: Aligning Goals, People, and Systems for Sustainable Success

The Cambridge History of Latin American Women's Literature is an essential resource for anyone interested in the development of women's writing in Latin America. Ambitious in scope, it explores women's literature from ancient indigenous cultures to the beginning of the twenty-first century. Organized chronologically and written by a host of leading scholars, this History offers an array of approaches that contribute to current dialogues about translation, literary genres, oral and written cultures, and the complex relationship between literature and the political sphere. Covering subjects from cronistas in Colonial Latin America and nation-building to feminicide and literature of the indigenous elite, this History traces the development of a literary tradition while remaining grounded in contemporary scholarship. The Cambridge History of Latin American Women's Literature will not only engage readers in ongoing debates but also serve as a definitive reference for years to come.

Diatoms

Scientists no longer accept the existence of a distinct moral organ as phrenologists once did. A generation of young neurologists is using advanced technological medical equipment to unravel specific brain processes enabling moral cognition. In addition, evolutionary psychologists have formulated hypotheses about the origins and nature of our moral architecture. Little by little, the concept of a 'moral brain' is reinstated. As the crossover between disciplines focusing on moral cognition was rather limited up to now, this book aims at filling the gap. Which evolutionary biological hypotheses provide a useful framework for starting new neurological research? How can brain imaging be used to corroborate hypotheses concerning the evolutionary background of our species? In this reader, a broad range of prominent scientists and philosophers shed their expert view on the current accomplishments and future challenges in the field of moral cognition and assess how cooperation between neurology and evolutionary psychology can boost research into the field of the moral brain.

Global Learning in the 21st Century

Congratulations to Aida Hurtado and Karina Cervantez- winners of the 2009 Women of Color Psychologies Award! This award, given by the Association of Women in Psychology Association, is voted on by AWP members for contributions of new knowledge and importance to the advancement of the psychology of women of color. Offering broad

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coverage of all U.S. Latino groups, this volume synthesizes cutting-edge research and methodological advances and provides culturally sophisticated information that can be used by researchers, policy makers, and practitioners. The editors and contributing authors summarize theories and conceptual models that can further our understanding of the development and adaptation of U.S. Latino populations. In addition, they focus on the importance of cultural sensitivity and competence in research and intervention approaches and how to achieve it. Key Features

- Highlights the normative development and strengths of U.S. Latino populations
- Elaborates on the heterogeneity of Latinos in that it does not assume that all Latino populations, and the contexts of their development, are identical.
- Emphasizes on cultural sensitivity and competence at all levels
- Focuses on the importance of cultural identity amongst Latinos and its contribution to healthy developmental outcomes.

Reconsidering Olmec Visual Culture

This book presents selected papers from the 4th Conference of the Transportation Research Group of India. It provides a comprehensive analysis of themes spanning the field of transportation encompassing economics, financial management, social equity, green technologies, operations research, big data analysis, econometrics and structural mechanics. This volume will be of interest to researchers, educators, practitioners, managers, and policy-makers worldwide.

The Mismeasure of Desire

Transcultural Marketing for Incremental and Radical Innovation

"Transfer of Development Rights" (TDR) programs allow local governments to put economic principles to work in encouraging good land use planning. TDR programs most often permit landowners to forfeit development rights in areas targeted for preservation and then sell those development rights to buyers who want to increase the density of development in areas designated as growth areas by local authorities. Although TDR programs must conform to zoning laws, they provide market incentives that make them more equitable (and often more lucrative) for sellers and frequently benefit buyers by allowing them to receive prior approval for their high-density development plans. Since the 1970s when modern TDR applications were first conceived, more than 200 communities in 33 states across the U.S. have implemented TDR-based programs. The most common uses of TDR to date involve protecting farmland, environmentally sensitive land, historic sites, and "rural character," and urban revitalization. Until now, however, there has never been a clearly written, one-volume book on the subject. At last, *The TDR Handbook* provides a comprehensive guide to every aspect of TDR programs, from the thinking behind them to the nuts and bolts of implementation-including statutory guidance, model ordinances, suggestions for program administration, and comparisons with other types of

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preservation programs. In addition, six of its twenty chapters are devoted to case studies of all major uses to which TDR programs have been utilized to date, including recent urban revitalization projects that utilize TDR principles.

Invasive Alien Plants

"Alberto Diaspro has been choreographing light's dance for over 20 years, and in Nanoscopy and Multidimensional Optical Fluorescence Microscopy, he has assembled a diverse group of experts to explain the methods they use to coax light to reveal biology's secrets." — From the Foreword by Daniel Evanko, editor, *Nature Methods Nanoscopy and Multidimensional Optical Fluorescence Microscopy* demonstrates that the boundaries between sciences do blur at the bottom, especially those that might separate the optical work of physicists and the cellular work of microbiologists. In 18 chapters written by pioneering researchers, this work offers the first comprehensive and current documentation of the cutting-edge research being accomplished in a wide range of photonic devices with revolutionary application. The highlight of the book is its coverage of optical nanoscopy and super-resolution microscopy. The rapid advances in this area over the past few years offer researchers in both photonics and molecular biology a wealth of accomplishment upon which they can build. Offering a complete treatment of this emerging field, this volume: Describes how scientists have exploited the properties of light and its fluorophore partners to

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overcome the resolution limit of conventional light microscopy Delves into recent ways to minimize the photobleaching that has long hampered many methods including those that have the potential to capture previously unobtainable information on the movements of single molecules Discusses the principles, benefits, and implementation of fluorescence correlation spectroscopy and related methods, which simplifies analysis by limiting light to stationary focal points in a sample Considers the most basic as well as emerging methods for improving three-dimensional optical sectioning microscopy Reviews the basics of FRET (fluorescence resonance energy transfer) and considers its new use for investigating protein complexes The text also introduces those emerging nonfluorescence microscopy methods that can actually exert mechanical forces to trap and move a variety of objects ranging from beads to living cells and cellular organelles. Combining this technique with fluorescence microscopy provides an unparalleled ability to manipulate and visualize biological samples. In the half-century since Richard Feynman challenged scientists to come up with the tools to investigate and manipulate our world at the nanoscale, we have succeeded in placing tools in the hands of biophysicists that are leading to major breakthroughs in our understanding of life and our ability to diagnose, treat, and prevent many challenges to human health. This book reflects what has been accomplished to date while pointing the way to what still needs to be done.

Quality Gaging Tips

Manufacturing with lasers is becoming increasingly important in modern industry. This is a unique, most comprehensive handbook of laser applications to all modern branches of industry. It includes, along with the theoretical background, updates of the most recent research results, practical issues and even the most complete company and product directory and supplier's list of industrial laser and system manufacturers. Such important applications of lasers in manufacturing as welding, cutting, drilling, heat treating, surface treatment, marking, engraving, etc. are addressed in detail, from the practical point of view. A list of specific companies dealing with manufacturing aspects with lasers is given.

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