

Media Kit 2017 Science

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Regulation of Genome Editing in Plant Biotechnology - Hans-Georg Dederer 2019-08-16

This book provides in-depth insights into the regulatory frameworks of five countries and the EU concerning the regulation of genome edited plants. The country reports form the basis for a comparative analysis of the various national regulations governing genetically modified organisms (GMOs) in general and genome edited plants in particular, as well as the underlying regulatory approaches. The reports, which focus on the regulatory status quo of genome edited plants in Argentina, Australia, Canada, the EU, Japan and the USA, were written by distinguished experts following a uniform structure. On this basis, the legal frameworks are compared in order to foster a rational assessment of which approaches could be drawn upon to adjust, or to completely realign, the current EU regime for GMOs. In addition, a separate chapter identifies potential best practices for the regulation of plants derived from genome editing.

J.J. Pizzuto's Fabric Science Swatch Kit Johnson 2015-09-24
J.J. Pizzuto's Fabric Science Swatch Kit, 11th Edition reinforces the study of textiles for students in fashion design, merchandising, interior design, product development and home furnishings. The kit contains 114 (2"x 3") fabric samples, a fabric key, 40 special assignments, heavy-weight sample sheets to mount and analyze fabrics, and a pick glass - all contained in a three-ring binder. The swatches are organized in the order

in which they are covered in the text: fibers, yarns, weaves, knits, dyeing, printing and finishes. Swatches represent the types of fabrics currently available to fashion and interior designers in the field, making this resource an excellent addition to any professional library. ~The text contains instructions and a new video tutorial that takes students through the process of assembling their swatch kit and using a pick glass. ~A Fabric Key identifies the swatches by number and fabric name, description and fiber content. ~Assignments are designed to reinforce the text and classroom lectures and have been developed by FIT instructors to broaden student's understanding of key concepts in textiles through hands-on labs and problem solving activities. ~Students will successfully develop keen observation, analysis and report writing skills. ~Fabric Science Swatch Kit is an ideal companion to Fabric Science, 11th Edition (ISBN 9781501395369) or can also be used alone or in conjunction with any textiles textbook. New to this Edition ~New STUDIO includes a new video tutorial explaining how to assemble the Swatch Kit and use a pick glass ~New smart textiles, performance fabrics, knits, and sustainable swatches added to the kit ~Instructor's Resources now include a new Fabric Sample Answer Sheet with filled-in fabric pages for easy grading Fabric Science Swatch Kit STUDIO Resources ~Review concepts with fabric flashcards including 10x magnified views of all swatches and fabric details ~Watch videos with step-by-step demonstrations on how to compile the swatch kit ~Access a

Quick Fabric Swatch Guide featuring each of the 114 swatches with its name and number Instructor's Resources ~ Instructor's Swatch Set including 7" x 12" samples of each fabric (ISBN 9781501313677) ~ Instructor's Guide ~ Fabric Sample Answer Sheet PDF with filled-in fabric pages for easy grading ~ PowerPoint Presentations including front, back and 10x magnified views of each fabric swatch PLEASE NOTE: Purchasing ISBN 9781628926576 does not include access to the STUDIO resources that accompany this text. To receive free access to the STUDIO content with new copies of this book, please purchase the Book + STUDIO access card bundle ISBN 9781501316517. STUDIO Instant Access (ISBN 9781501316692) can also be purchased or rented separately on www.BloomsburyFashionCentral.com.

Exploring Science Communication - Ulrike Felt 2020-01-27

Exploring Science Communication demonstrates how science and technology studies approaches can be explicitly integrated into effective, powerful science communication research. Through a range of case studies, from climate change and public parks to Facebook, museums, and media coverage, it helps you to understand and analyse the complex and diverse ways science and society relate in today's knowledge intensive environments. Notable features include: A focus on showing how to bring academic STS theory into your own science communication research Coverage of a range of topics and case studies illustrating different analyses and approaches Speaks to disciplines across Media & Communication, Science & Technology Studies, Health Sciences, Environmental Sciences and related areas. With this book you will learn how science communication can be more than just about disseminating facts to the public, but actually generative, leading to new understanding, research, and practices.

Environmental Exposures and Human Health Challenges - Papadopoulou, Paraskevi 2019-03-15

Environmental health is an area with significant developments and noteworthy challenges that expand into various disciplines: medicine and public health, sociology and communications, technology, policymaking, and legislation. Due to the massive amount of health-related issues,

additional literature involving environmental health is required to improve the wellbeing of citizens worldwide. Environmental Exposures and Human Health Challenges provides interdisciplinary insights into concepts and theories related to environmental exposures and human health impacts via the air, water, soil, heavy metal exposure, and other chemical toxins. The book also addresses inequalities and environmental injustices in relation to environmental exposures and health impacts. Covering topics such as health policies, pollution effects, and heavy metal exposure, this publication is designed for public health professionals, preventive medicine specialists, clinicians, data scientists, environmentalists, academicians, practitioners, researchers, and students.

Steampunk Film - Robbie McAllister 2019-03-07

Steampunk Film: A Critical Introduction is a concise and accessible overview of steampunk's indelible impact within film, and acts as a case study for examining the ways with which genres hybridize and coalesce into new forms. Since the beginning of the 21st century, a series of high-profile and big-budget films have adopted steampunk identities to re-imagine periods of industrial development into fantastical histories where future meets past. By calling this growing mass-cultural fetishism for anachronistic machines into question, this book examines how a retro-futuristic romanticism for technology powered by cogs, pistons and steam-engines has taken center stage in blockbuster cinema. As the first monograph to consider cinema's unique relationship with steampunk, it places this burgeoning genre in the context of ongoing debates within film theory: each of which reflecting the movement's remarkable interest in reengineering historical technologies. Rather than acting as a niche subculture, Robbie McAllister argues that steampunk's proliferation in mainstream filmmaking reflects a desire to reassess contemporary relationships with technology and navigate the intense changes that the medium itself is experiencing in the 21st century.

Scientific and Technical Aerospace Reports - 1971

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been

entered into the NASA Scientific and Technical Information Database.

Recontextualized Knowledge - Olaf Kramer 2020-11-23

Recontextualized Knowledge aims to analyze the communicative situations involved in the popularization of scientific knowledge: their settings, audiences, and the adaptive process of recontextualization in science communication. Taking an interdisciplinary approach, this publication brings together essays from rhetoric, linguistics, and psychology as well as political and education sciences to serve as an in-depth exploration of today's communicative situations in science communication.

Scientific Communication Han Yu 2017-09-18

This book addresses the roles and challenges of people who communicate science, who work with scientists, and who teach STEM majors how to write. In terms of practice and theory, chapters address themes encountered by scientists and communicators, including ethical challenges, visual displays, and communication with publics, as well as changed and changing contexts and genres. The pedagogy section covers topics important to instructors' everyday teaching as well as longer-term curricular development. Chapters address delivery of rhetorically informed instruction, communication from experts to the publics, writing assessment, online teaching, and communication-intensive pedagogies and curricula.

The World Awakening - Dan Koboldt 2018-02-13

"The World Awakening is a great conclusion to what is a very readable and highly enjoyable series. Characters that are more than the sum of their parts, a world that has so much to offer, and a story that races along apace - the Gateways to Alissia books have it all." -- SFFworld
Quinn Bradley has learned to use the magic of another world. And that world is in danger. Having decided to betray CASE Global, he can finally reveal his origins to the Enclave and warn them about the company's imminent invasion. Even if it means alienating Jillaine...and allying with someone he's always considered his adversary. But war makes for strange bedfellows, and uniting Alissians against such a powerful enemy will require ancient enmities—as well as more recent antagonisms—to be

set aside. The future of their pristine world depends on it. As Quinn searches for a way to turn the tide, his former CASE Global squad-mates face difficult decisions of their own. For some, it's a matter of what they're willing to do to get home. For others, it's deciding whether they want to go home at all. Continuing the exciting adventures from *The Rogue Retrieval* and *The Island Deception*, *The World Awakening* is the spellbinding conclusion to the Gateways to Alissia fantasy series from Dan Koboldt.

Infinite Progress - Byron Reese 2013-03-12

For years we've been inundated with bleak forecasts about the future. But in this electrifying new book, author Byron Reese debunks the pessimistic outlook as dangerous, and shows instead how technology will soon create a dramatically better world for every person on earth, beyond anything we have dared to imagine. With the art of a storyteller, Reese synthesizes history, technology, and sociology into an exciting, fast-moving narrative that shows how technological change has had dramatic effects on humanity in the past. He then looks forward at the technological changes we know are coming—from genetics, nanotechnology, robotics, and many other fields—and explores how they will vastly increase wealth, prolong our lifespans, redefine human rights, and alter the social fabric of the world. Reese explains how the Internet, human ingenuity, and technological innovation will help us forever end the five historic plagues of human existence: ignorance, disease, poverty, hunger, and war. With a rational and researched optimism, Reese sees the future not as a world in a downward spiral, but as destined for progress beyond our imaginations. As Reese looks forward, he notes that "we are gaining speed, not winding down. We are blooming, not withering, as we leverage the greatest natural resource on the planet: the human mind." The future of Earth's inhabitants has never been brighter. If you want to get excited about the future, then this is the book for you.

Disarmament and Decommissioning in the Nuclear Domain - Jean-Claude Amiard 2021-08-19

Following the acquisition of the atomic bomb by five states, the United

Nations began drafting several treaties to limit nuclear proliferation. These efforts failed, as four more states also acquired nuclear weapons. In a similar vein, an attempt to limit atomic weapons - primarily within the two superpowers - was initiated. While the number of weapons has decreased, the new bombs now being manufactured are more powerful and more precise, negating any reduction in numbers. In the field of civil nuclear use, all nuclear facilities (reactors, factories, etc.) have a limited lifespan. Once a plant is permanently shut down, these facilities must be decommissioned and dismantled. These operations are difficult, time-consuming and costly. In addition, decommissioning generates large volumes of radioactive waste of various categories, including long-lived and high-activity waste. Risks to the environment and to health are not negligible during decommissioning. The International Atomic Energy Agency (IAEA) and the Nuclear Energy Agency (NEA) of the Organisation for Economic Co-operation and Development (OECD) have produced numerous publications with recommendations. Each state has its own decommissioning strategy (immediate or delayed) and final plan for the site - whether it be returning it to greenfield status or obtaining a nuclear site license with centuries-long monitoring.

China's Rise in the Global South - Dawn C. Murphy 2022-01-11

As China and the U.S. increasingly compete for power in key areas of U.S. influence, great power conflict looms. Yet few studies have looked to the Middle East and Africa, regions of major political, economic, and military importance for both China and the U.S., to theorize how China competes in a changing world system. *China's Rise in the Global South* examines China's behavior as a rising power in two key Global South regions, the Middle East and sub-Saharan Africa. Dawn C. Murphy, drawing on extensive fieldwork and hundreds of interviews, compares and analyzes thirty years of China's interactions with these regions across a range of functional areas: political, economic, foreign aid, and military. From the Belt and Road initiative to the founding of new cooperation forums and special envoys, *China's Rise in the Global South* offers an in-depth look at China's foreign policy approach to the countries it considers its partners in South-South cooperation.

Intervening in the emerging debate between liberals and realists about China's future as a great power, Murphy contends that China is constructing an alternate international order to interact with these regions, and this book provides policymakers and scholars of international relations with the tools to analyze it.

Best Practices in Bibliometrics & Bibliometric Studies - Juan Ignacio Gorraiz 2022-01-06

The Wide World of Coding - Jennifer Connor-Smith 2020-04-07

The best part about coding is that anyone with a computer can learn how to do it. From education to healthcare to entertainment, software touches almost every aspect of twenty-first century life. Take a high-level perspective on the types of people who create that software—including many jobs that do not involve writing code at all. Learn about the software development cycle and the huge variety of skills developers draw on, including psychology, mathematics, and art, to create amazing apps and programs. Explore why diversity is needed to prevent bias in design. Learn about the different coding languages and what they are used for, how developers choose a language, and tools that simplify coding. Jennifer Connor-Smith breaks down stereotypes about coding as a career that is open only to technology-obsessed gamers, revealing ways people use software to improve medical care, nurture dementia patients, promote social justice, and more. Hands-on activities show you how easy it is to learn to think like a coder. The next generation of coders will require diverse teams, creativity, and ethical codes of conduct to create the best and most successful software. Will you be one of them?

Space Habitats and Habitability - Sandra Häuplik-Meusburger 2021-05-31

This book explores creative solutions to the unique challenges inherent in crafting livable spaces in extra-terrestrial environments. The goal is to foster a constructive dialogue between the researchers and planners of future (space) habitats. The authors explore the diverse concepts of the term Habitability from the perspectives of the inhabitants as well as the planners and social sciences. The book provides an overview of the

evolution and advancements of designed living spaces for manned space craft, as well as analogue research and simulation facilities in extreme environments on Earth. It highlights how various current and future concepts of Habitability have been translated into design and which ones are still missing. The main emphasis of this book is to identify the important factors that will provide for well-being in our future space environments and promote creative solutions to achieving living spaces where humans can thrive. Selected aspects are discussed from a socio-spatial professional background and possible applications are illustrated. Human factors and habitability design are important topics for all working and living spaces. For space exploration, they are vital. While human factors and certain habitability issues have been integrated into the design process of manned spacecraft, there is a crucial need to move from mere survivability to factors that support thriving. As of today, the risk of an incompatible vehicle or habitat design has already been identified by NASA as recognized key risk to human health and performance in space. Habitability and human factors will become even more important determinants for the design of future long-term and commercial space facilities as larger and more diverse groups occupy off-earth habitats. The book will not only benefit individuals and organizations responsible for manned space missions and mission simulators, but also provides relevant information to designers of terrestrial austere environments (e.g., remote operational and research facilities, hospitals, prisons, manufacturing). In addition it presents general insights on the socio-spatial relationship which is of interest to researchers of social sciences, engineers and architects.

Communicating Genetics - Han Yu 2017-09-18

This book examines the visual representations used in the popular communication of genetics. Drawing upon public science communication theories, information design theories, and social semiotics, the book offers both in-depth analyses and high-level synthesis of how genetics is visualized for the U.S. public from the early 20th century to the present. Individual chapters focus on six visual genres: photographs, micrographs, illustrations, genetic code images, quantitative graphs, and

molecular structure images. Han Yu challenges readers to consider the significance of these images we often take for granted, including their historical contexts, scientific backstories, information richness, stylistic choices, economic motivations, and social implications. In doing so, the book reveals the complex cognitive, affective, and social-cultural factors that both shape and are shaped by these images. The book will be particularly useful to scholars of public science communication and visual communication, practitioners of science communication, and scientists from a range of related life science disciplines.

Criticality of the Rare Earth Elements: Current and Future Sources and Recycling - Simon M. Jowitt 2018-07-10

This book is a printed edition of the Special Issue "Criticality of the Rare Earth Elements: Current and Future Sources and Recycling" that was published in Resources

Conspiracies and Conspiracy Theories in the Age of Trump - Daniel C. Hellinger 2018-09-20

This book focuses on the constant tension between democracy and conspiratorial behavior in the new global order. It addresses the prevalence of conspiracy theories in the phenomenon of Donald Trump and Trumpism, and the paranoid style of American politics that existed long before, first identified with Richard Hofstadter. Hellinger looks critically at both those who hold conspiracy theory beliefs and those who rush to dismiss them. Hellinger argues that we need to acknowledge that the exercise of power by elites is very often conspiratorial and invites both realistic and outlandish conspiracy theories. How we parse the realistic from the outlandish demands more attention than typically accorded in academia and journalism. Tensions between global hegemony and democratic legitimacy become visible in populist theories of conspiracy, both on the left and the right. He argues that we do not live in an age in which conspiracy theories are more profligate, but that we do live in an age in which they offer a more profound challenge to the constituted state than ever before.

Emerging Natural Hydrocolloids - Seyed M.A. Razavi 2019-02-14

The first guide devoted to the functions, structures, and applications of

natural hydrocolloids In today's health-conscious climate, the demand for natural food products is growing all the time. Natural hydrocolloids, therefore, have never been more popular. With their thickening, stabilizing, gelling, fat replacing, and binding qualities, these naturally occurring, plant-based polymers can fulfil many of the same functions as commercial ingredients like xanthan, guar, gum Arabic, pectin, and starch. Moreover, certain health benefits have been linked with their often biological active compounds and high-fiber compositions, including potential prebiotic effects and the reduction of blood cholesterol levels. Application of these novel hydrocolloids is, however, still underexplored. Emerging Natural Hydrocolloids aims to remedy this by providing a thorough overview of their structure-function relationships, rheological aspects, and potential utility in mainly the food and pharmaceutical industries. This accessible, quick-reference guide features: A comprehensive and up-to-date survey of the most significant research currently available on natural hydrocolloids Examinations of the major functions and rheological aspects of novel hydrocolloids Information on the potential applications of biopolymers within both foods and pharmaceutical systems Collaborations from an international team of food scientists Emerging Natural Hydrocolloids: Rheology and Functions offers scientists, engineers, technologists, and researchers alike a unique and in-depth account of the uncharted world of novel hydrocolloids, their uses, properties, and potential benefits.

Kant and the Problem of Knowledge - Luigi Caranti 2022-07-23

This book examines Kant's contributions to the theory of knowledge and studies how his writings can be applied to address contemporary epistemological issues. The volume delves into the Kantian ideas of transcendental idealism, space, naturalism, epistemic normativity, communication, and systematic unity. The essays in the volume study Kant's theories from a fresh perspective and offer new arguments for assenting that knowledge cannot account for itself without acknowledging the fundamental role of the cognitive subject. In doing so, they suggest that we reconsider Kant's views as a powerful alternative to naturalism. Featuring readings by well-known Kant specialists and

emerging scholars with unorthodox approaches to Kant's philosophy, the volume fills a significant gap in the existing scholarship on the philosopher and his works. It will be of great interest to scholars and researchers of knowledge, philosophy, and epistemology.

Information Services Today Sandra Hirsh 2018-03-02

This second edition of *Information Services Today: An Introduction* demonstrates the ever-changing landscape of information services today and the need to re-evaluate curriculum, competency training, and one's personal learning network in order to stay abreast of current trends and issues, and more significantly, remain competent to address the changing user needs of the information community. Specifically, the book

- provides a thorough introduction, history, and overall state of the field,
- gives a diverse and global perspective of what it means to be a library and information professional today,
- addresses why information organizations and information and technological literacy are more important today than ever before,
- discusses how technology has influenced the ways that information professionals provide information resources and services in today's digital environment,
- highlights current issues and trends and provides expert insight into emerging challenges, innovations, and opportunities for the future, and,
- identifies career management strategies and leadership opportunities in the information profession.

The new edition features chapter updates to address changes in information services, introducing new topics such as strategic planning, change management, design thinking, advocacy, and data management and analysis, and includes new contributing authors. The book begins with an overview of libraries and their transformation as information and technological hubs within their local and digital communities. It covers the various specializations within the field – emphasizing the exciting yet complex roles and opportunities for information professionals in a variety of information environments. With that foundation in place, it presents the fundamentals of information services, delves into management skills needed by information professionals today, and explores emerging issues related to the rapid development of new technologies. The book addresses how libraries and

information centers serve different kinds of communities, highlighting the unique needs of increasingly diverse users and how information organizations and information professional's work to fulfill those needs. This book provokes discussion, critical thinking, and interaction to facilitate the learning process. The content and supplemental materials – discussion questions, rich sets of online accessible materials, multimedia webcast interviews featuring authors from this book discussing the trends and issues in their respective areas, and chapter presentation slides for use by instructors – give readers the opportunity to develop a deeper understanding of and engagement with the topics. Additionally, this book recognizes the broad range of environments that people with Master of Library and Information Science (MLIS) degrees work in, which include both libraries and other information environments. Thus, this book does not only focus on libraries, but instead encompasses ALL kinds of information organizations.

The Unraveling - Benjamin Rosenbaum 2021-06-08

In the distant future, somewhere in the galaxy, a world has evolved where each person has multiple bodies, cybernetics has abolished privacy, and individual and family success are reliant upon instantaneous evaluations of how well each member conforms to the rigid social system. Young Fift is an only child of the Staid gender, struggling to maintain zir position in the system while developing a friendship with the acclaimed bioengineer Shria—a controversial and intriguing friendship, since Shria is Vail-gendered. Soon Fift and Shria unintentionally wind up at the center of a scandalous art spectacle which turns into a multilayered Unraveling of society. Fift is torn between zir attraction to Shria and the safety of zir family, between staying true to zir feelings and social compliance . . . when zir personal crises suddenly take on global significance. What's a young Staid to do when the whole world is watching?

The Rogue Retrieval Dan Koboldt 2016-01-19

In the tradition of Terry Brooks' Landover series, Piers Anthony Xanth books, and Terry Pratchett's Discworld novels, scientist and blogger Dan Koboldt weaves wonder, humor, and heart into his debut novel, *The*

Rogue Retrieval. Sleight of hand...in another land Stage magician Quinn Bradley has one dream: to headline his own show on the Vegas Strip. And with talent scouts in the audience wowed by his latest performance, he knows he's about to make the big-time. What he doesn't expect is an offer to go on a quest to a place where magic is all too real. That's how he finds himself in Alissia, a world connected to ours by a secret portal owned by a powerful corporation. He's after an employee who has gone rogue, and that's the least of his problems. Alissia has true magicians...and the penalty for impersonating one is death. In a world where even a twelve-year-old could beat Quinn in a swordfight, it's only a matter of time until the tricks up his sleeves run out.

Social Entrepreneurship in India - Madhukar Shukla 2019-12-09

India is a hub of social entrepreneurship and has a long history of solving social problems through entrepreneurial strategies. The book explores this phenomenon with lessons from more than 120 real-life examples of Indian social ventures. It describes how ordinary individuals can solve, and are solving, some of the most critical social problems that besiege the Indian society. *Social Entrepreneurship in India* focuses on what 'entrepreneurship' means for social entrepreneurs, and how their efforts are different than other social change agents. Using examples, the author provides insights into the nature of entrepreneurial thinking and the methods used by social entrepreneurs to create their ventures and to make essential products and services reachable to marginalized, remote and fragmented markets and communities in a sustainable manner. Based on the existing successful Indian social ventures and enterprises, the book provides practical insights into the models used to build these successful ventures.

Multidisciplinary Perspectives on Representational Pluralism in Human Cognition - Michel Bélanger 2022-07-18

Bringing together diverse theoretical and empirical contributions from the fields of social and cognitive psychology, philosophy and science education, this volume explores representational pluralism as a phenomenon characteristic of human cognition. Building on these disciplines' shared interest in understanding human thought, perception

and conceptual change, the volume illustrates how representational plurality can be conducive to research and practice in varied fields. Particular care is taken to emphasize points of convergence and the value of sharing discourses, models, justifications and theories of pluralism across disciplines. The editors give ample space for philosophers, cognitive scientists and educators to explicate the history and current status of representational pluralism in their own disciplines. Using multiple forms of research from the relational perspective, this volume will be of interest to students, scholars and researchers with an interest in cognitive psychology, as well as educational psychology and philosophy of science.

The Design and Engineering of Curiosity Emily Lakdawalla 2018-03-27

This book describes the most complex machine ever sent to another planet: Curiosity. It is a one-ton robot with two brains, seventeen cameras, six wheels, nuclear power, and a laser beam on its head. No one human understands how all of its systems and instruments work. This essential reference to the Curiosity mission explains the engineering behind every system on the rover, from its rocket-powered jetpack to its radioisotope thermoelectric generator to its fiendishly complex sample handling system. Its lavishly illustrated text explains how all the instruments work -- its cameras, spectrometers, sample-cooking oven, and weather station -- and describes the instruments' abilities and limitations. It tells you how the systems have functioned on Mars, and how scientists and engineers have worked around problems developed on a faraway planet: holey wheels and broken focus lasers. And it explains the grueling mission operations schedule that keeps the rover working day in and day out.

The Island Deception - Dan Koboldt 2017-04-11

Continuing the exciting adventures from *The Rogue Retrieval*, *The Island Deception* blends fun and mystery into a brilliant new portal fantasy from Dan Koboldt. What happens in Las Vegas stays in Las Vegas. But what happens after you step through a portal to another world, well... For stage magician Quinn Bradley, he thought his time in Alissia was over. He'd done his job for the mysterious company CASE Global Enterprises,

and now his name is finally on the marquee of one of the biggest Vegas casinos. And yet, for all the accolades, he definitely feels something is missing. He can create the most amazing illusions on Earth, but he's also tasted true power. Real magic. He misses it. Luckily—or not—CASE Global is not done with him, and they want him to go back. The first time, he was tasked with finding a missing researcher. Now, though, he has another task: Help take Richard Holt down. It's impossible to be in Vegas and not be a gambler. And while Quinn might not like his odds—a wyvern nearly ate him the last time he was in Alissia—if he plays his cards right, he might be able to aid his friends. He also might learn how to use real magic himself.

Exploring the Solar System Peter Bond 2020-03-03

An Exciting and Authoritative Account of the Second Golden Age of Solar System Exploration Award-winning author Peter Bond provides an up-to-date, in-depth account of the sun and its family in the 2nd edition of *Exploring the Solar System*. This new edition brings together the discoveries and advances in scientific understanding made during the last 60 years of solar and planetary exploration, using research conducted by the world's leading geoscientists, astronomers, and physicists. *Exploring the Solar System, 2nd Edition* is an ideal introduction for non-science undergraduates and anyone interested in learning about our small corner of the Milky Way galaxy.

The Fourth Age - Byron Reese 2020-03-17

As we approach a great turning point in history when technology is poised to redefine what it means to be human, *The Fourth Age* offers fascinating insight into AI, robotics, and their extraordinary implications for our species. "If you only read just one book about the AI revolution, make it this one" (John Mackey, cofounder and CEO, Whole Foods Market). In *The Fourth Age*, Byron Reese makes the case that technology has reshaped humanity just three times in history: 100,000 years ago, we harnessed fire, which led to language; 10,000 years ago, we developed agriculture, which led to cities and warfare; 5,000 years ago, we invented the wheel and writing, which led to the nation state. We are now on the doorstep of a fourth change brought about by two

technologies: AI and robotics. "Timely, highly informative, and certainly optimistic" (Booklist), *The Fourth Age* provides an essential background on how we got to this point, and how—rather than what—we should think about the topics we'll soon all be facing: machine consciousness, automation, changes in employment, creative computers, radical life extension, artificial life, AI ethics, the future of warfare, superintelligence, and the implications of extreme prosperity. By asking questions like "Are you a machine?" and "Could a computer feel anything?", Reese leads you through a discussion along the cutting edge in robotics and AI, and provides a framework by which we can all understand, discuss, and act on the issues of the Fourth Age and how they'll transform humanity.

Discovering Public Relations - Karen Freberg 2020-07-08

Discovering Public Relations introduces students to the field of PR in a practical, applied, and hands-on way that prepares them for the modern workplace.

Solar Surveyors - Peter Bond 2022-08-30

This is the story of humankind's quest over centuries to learn the true nature of the most dominant object in our Solar System: the Sun. Award-winning science writer Peter Bond describes in detail how our ideas about the Sun have changed over the millennia, starting with the simple observations of classical astronomy and continuing through telescopic observations to the age of nuclear physics. He shows how we discovered the Sun's basic characteristics - its distance, size, temperature and composition - and then describes how, with evermore sophisticated instruments, we have learned about the Sun's enormous energy output, its atmosphere and the explosive eruptions that blast clouds of magnetized gas and high-energy particles toward our world. Most of this book focuses on the Space Age, when suborbital rockets and satellites have probed every aspect of our nearby star. Each of these missions is described in detail, with summaries of their objectives, spacecraft designs, scientific payloads and results. The book also looks forward, describing forthcoming missions that will shed new light on remaining solar mysteries, notably the source of the energy that heats the outer

corona to millions of degrees. Richly illustrated with mission photos, design diagrams, and infocharts, this book is a fascinating read for anybody interested in the Sun and our attempts to unravel its secrets.

Putting the Science in Fiction - Dan Koboldt 2018-10-16

Science and technology have starring roles in a wide range of genres--science fiction, fantasy, thriller, mystery, and more. Unfortunately, many depictions of technical subjects in literature, film, and television are pure fiction. A basic understanding of biology, physics, engineering, and medicine will help you create more realistic stories that satisfy discerning readers. This book brings together scientists, physicians, engineers, and other experts to help you:

- Understand the basic principles of science, technology, and medicine that are frequently featured in fiction.
- Avoid common pitfalls and misconceptions to ensure technical accuracy.
- Write realistic and compelling scientific elements that will captivate readers.
- Brainstorm and develop new science- and technology-based story ideas.

Whether writing about mutant monsters, rogue viruses, giant spaceships, or even murders and espionage, *Putting the Science in Fiction* will have something to help every writer craft better fiction. *Putting the Science in Fiction* collects articles from "Science in Sci-fi, Fact in Fantasy," Dan Koboldt's popular blog series for authors and fans of speculative fiction (dankoboldt.com/science-in-scifi). Each article discusses an element of sci-fi or fantasy with an expert in that field. Scientists, engineers, medical professionals, and others share their insights in order to debunk the myths, correct the misconceptions, and offer advice on getting the details right.

The Space Shuttle Program - Davide Sivoletta 2017-06-09

This book tells the story of the Space Shuttle in its many different roles as orbital launch platform, orbital workshop, and science and technology laboratory. It focuses on the technology designed and developed to support the missions of the Space Shuttle program. Each mission is examined, from both the technical and managerial viewpoints. Although outwardly identical, the capabilities of the orbiters in the late years of the program were quite different from those in 1981. Sivoletta traces the various improvements and modifications made to the shuttle over the

years as part of each mission story. Technically accurate but with a pleasing narrative style and simple explanations of complex engineering concepts, the book provides details of many lesser known concepts, some developed but never flown, and commemorates the ingenuity of NASA and its partners in making each Space Shuttle mission push the boundaries of what we can accomplish in space. Using press kits, original papers, newspaper and magazine articles, memoirs and interviews, this book provides the most up-to-date and comprehensive account available of the shuttle's many missions and will refocus interest on a remarkable flying machine and space program that is often pushed to the background.

The Great Indoors - Emily Anthes 2020-06-23

An Architectural Record Notable Book A fascinating, thought-provoking journey into our built environment Modern humans are an indoor species. We spend 90 percent of our time inside, shuttling between homes and offices, schools and stores, restaurants and gyms. And yet, in many ways, the indoor world remains unexplored territory. For all the time we spend inside buildings, we rarely stop to consider: How do these spaces affect our mental and physical well-being? Our thoughts, feelings, and behaviors? Our productivity, performance, and relationships? In this wide-ranging, character-driven book, science journalist Emily Anthes takes us on an adventure into the buildings in which we spend our days, exploring the profound, and sometimes unexpected, ways that they shape our lives. Drawing on cutting-edge research, she probes the pain-killing power of a well-placed window and examines how the right office layout can expand our social networks. She investigates how room temperature regulates our cognitive performance, how the microbes hiding in our homes influence our immune systems, and how cafeteria design affects what—and how much—we eat. Along the way, Anthes takes readers into an operating room designed to minimize medical errors, a school designed to boost students' physical fitness, and a prison designed to support inmates' psychological needs. And she previews the homes of the future, from the high-tech houses that could monitor our health to the 3D-printed structures that might allow us to live on the Moon. The Great

Indoors provides a fresh perspective on our most familiar surroundings and a new understanding of the power of architecture and design. It's an argument for thoughtful interventions into the built environment and a story about how to build a better world—one room at a time.

Strength Training for Football - Jerry Palmieri 2019

Strength Training for Football will help you create a football-specific resistance training program to optimize strength for athletes in all positions—linemen, tight ends, fullbacks, linebackers, wide receivers, running backs, defensive backs, quarterbacks, kickers, and punters.

Fundamentals of Nursing: Concepts and Competencies for Practice Ruth F. Craven 2019-12-26

Providing a big-picture approach to nursing practice, *Fundamentals of Nursing: Concepts and Competencies for Practice*, 9th Edition instills the foundational knowledge and clinical skills to help your students think critically and achieve positive outcomes throughout the nursing curriculum and in today's fast-paced clinical settings. This revision immerses students in a proven nursing framework that clarifies key capabilities — from promoting health, to differentiating between normal function and dysfunction, to the use of scientific rationales and the approved nursing process — and includes new Unfolding Patient Stories and Critical Thinking Using QSEN Competencies. NCLEX®-style review questions online and within the book further equip students for the challenges ahead.

Climate Literacy and Innovations in Climate Change Education -

Ulisses M. Azeiteiro 2018-01-13

This book addresses the links between climate change and the threats it poses to sustainable development, from a distance education perspective. Discussing current trends and challenges in sustainable development education, climate literacy and innovations in climate change education, it contributes to the global debate on the implementation of education for sustainability. It also assesses the role that e-learning can play in this process, addressing pedagogical concepts as well as the wide range of technological options now available.

Discourses of Perfection Anne-Mette Hermans 2021-03-22

This book explores editorial and advertising discourses related to cosmetic procedures and beauty products and services in UK lifestyle magazines, offering a holistic perspective on the normalisation of cosmetic procedures and the societal context in which particular perceptions have flourished. The volume examines the societal climate that contributed to cultural perceptions of the body as object and project, and constructions of masculinities and femininities as context for developments in lifestyle magazines' content on beauty and cosmetic procedures. Integrating approaches from Critical Discourse Analysis, Thematic Analysis, and Content Analysis, Hermans explores the varying ways in which cosmetic procedures and other beauty products are marketed to different audiences and examines phenomena such as the problem/solution rhetoric, and developments in beauty advertising discourse specifically targeted at men. The book also investigates the continuum view of beauty products and cosmetic procedures, and examines the implications of these blurred boundaries for the regulation of the cosmetic surgery industry. This innovative contribution to research on the representation of cosmetic procedures and beauty products in the media will be of interest to scholars researching at the intersection of language, gender, individualised body projects, and sexuality.

The Gospel of Climate Skepticism Robin Globus Veldman 2019-10-22
Why are white evangelicals the most skeptical major religious group in America regarding climate change? Previous scholarship has pointed to cognitive factors such as conservative politics, anti-science attitudes, aversion to big government, and theology. Drawing on qualitative fieldwork, *The Gospel of Climate Skepticism* reveals the extent to which

climate skepticism and anti-environmentalism have in fact become embedded in the social world of many conservative evangelicals. Rejecting the common assumption that evangelicals' skepticism is simply a side effect of political or theological conservatism, the book further shows that between 2006 and 2015, leaders and pundits associated with the Christian Right widely promoted skepticism as the biblical position on climate change. *The Gospel of Climate Skepticism* offers a compelling portrait of how during a critical period of recent history, political and religious interests intersected to prevent evangelicals from offering a unified voice in support of legislative action to address climate change.

An Unprecedented Election: Media, Communication, and the Electorate in the 2016 Campaign - Benjamin R. Warner Ph.D.
2018-02-21

Written by leading scholars in the field of political communication, this book provides a comprehensive accounting of the campaign communication that characterized the unprecedented 2016 presidential campaign. • Provides detailed coverage of the most salient issues in the 2016 campaign from multiple perspectives and frames of reference • Presents contributions from top scholars in political communication representing the very best doctoral programs in the field, including numerous past presidents of the National Communication Association's political communication division • Includes all-original, multi-methodological, quantitative and qualitative research, giving readers a fuller understanding of the trends in and effects and content of political communication in the election