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## Oxford Textbook of Global Public Health

**Oxford University Press** Sixth edition of the hugely successful, internationally recognised textbook on global public health and epidemiology comprehensively covering the scope, methods, and practice of the discipline.

## Marie Curie and Her Daughters

## The Private Lives of Science's First Family

**St. Martin's Press** A new portrait of the two-time Nobel winner and her two daughters Focusing on the first family in science, this biography of Marie Curie plumbs the recesses of her relationships with her two daughters, extraordinary in their own right, and presents the legendary scientist to us in a fresh way. Although the common image is that of a shy introvert toiling away in her laboratory, highly praised science writer Shelley Emling shows how Marie Curie was nothing short of an iconoclast. Her affair with a younger and married man drew the enmity of a xenophobic French establishment, who denied her entry to the Academy of Sciences and tried to expel her from France. But she was determined to live life how she saw fit, and passed on her resilience to her daughters. Emling draws on personal letters released by Curie's only granddaughter to show how Marie influenced her daughters yet let them blaze their own paths. Irene followed her mother's footsteps into science and was instrumental in the discovery of nuclear fission. Eve traveled the world as a foreign correspondent and then moved on to humanitarian missions. Emling also shows how Curie, following World War I, turned to America for help. Few people know about Curie's close friendship with American journalist Missy Meloney, who arranged speaking tours across the country for Marie and Eve and Irene. Months on the road, charming audiences both large and small, endeared the Curies to American women and established a lifelong relationship with the United States that formed one of the strongest connections of Marie's life. Without the financial support of American women, Marie might not have been able to go on with her research. Continuing the family story into the third generation, Emling also interviews Marie Curie's granddaughter Helene Joliot-Curie, who is an accomplished physicist in her own right. She reveals why her grandmother was a lot more than just a scientist and how Marie's trips to America forever changed her. Factually rich, personal and original, this is an engrossing story about the most famous woman in science that rips the cover off the myth and reveals the real person, friend, and mother behind it.

## Moral Brains

## The Neuroscience of Morality

**Oxford University Press** In the last fifteen years, there has been significant interest in studying the brain structures involved in moral judgments using novel techniques from neuroscience such as functional magnetic resonance imaging (fMRI). Many people, including a number of philosophers, believe that results from neuroscience have the potential to settle seemingly intractable debates concerning the nature, practice, and reliability of moral judgments. This has led to a flurry of scientific and philosophical activities, resulting in the rapid growth of the new field of moral neuroscience. There is now a vast array of ongoing scientific research devoted towards understanding the neural correlates of moral judgments, accompanied by a large philosophical literature aimed at interpreting and examining the methodology and the results of this research. This is the first volume to take stock of fifteen years of research of this fast-growing field of moral neuroscience and to recommend future directions for research. It features the most up-to-date research in this area, and it presents a wide variety of perspectives on this topic.

## Artificial Intelligence in Medical Imaging

## Opportunities, Applications and Risks

**Springer** This book provides a thorough overview of the ongoing evolution in the application of artificial intelligence (AI) within healthcare and radiology, enabling readers to gain a deeper insight into the technological background of AI and the impacts of new and emerging technologies on medical imaging. After an introduction on game changers in radiology, such as deep learning technology, the technological evolution of AI in computing science and medical image computing is described, with explanation of basic principles and the types and subtypes of AI. Subsequent sections address the use of imaging biomarkers, the development and validation of AI applications, and various aspects and issues relating to the growing role of big data in radiology. Diverse real-life clinical applications of AI are then outlined for different body parts, demonstrating their ability to add value to daily radiology practices. The concluding section focuses on the impact of AI on radiology and the implications for radiologists, for example with respect to training. Written by radiologists and IT professionals, the book will be of high value for radiologists, medical/clinical physicists, IT specialists, and imaging informatics professionals.

## Oncologic Therapies

**Springer Science & Business Media** This second edition has been updated in a user-friendly layout that makes its comprehensive information extremely accessible. The handbook, written for all physicians who treat cancer patients, provides a survey of current therapeutic concepts of solid tumors and hematologic malignancies in internal oncology. Each individual chapter of this shortened new edition is structured in the same way and features a brief outline or tabular summary of the main aspects of epidemiology, pathology, staging, and diagnosis. The main focus is on the therapeutic strategy, i.e., an interdisciplinary approach to systemic drug therapy. Surgical and radiological concepts of treatment are also covered, as are supportive care, pain relief methods and ethical problems. This title is a must for clinicians and practitioners as well as interns, residents and postgraduate students.

## The Wealth of Networks

## How Social Production Transforms Markets and Freedom

**Yale University Press** Describes how patterns of information, knowledge, and cultural production are changing. The author shows that the way information and knowledge are made available can either limit or enlarge the ways people create and express themselves. He describes the range of legal and policy choices that confront.

## Coral Bleaching

### Patterns, Processes, Causes and Consequences

**Springer** One of the most serious consequences of global climate change for coral reefs is the increased frequency and severity of mass coral bleaching events and, since the first edition of this volume was published in 2009, there have been additional mass coral bleaching events. This book provides comprehensive information on the causes and consequences of coral bleaching for coral reef ecosystems, from the genes and microbes involved in the bleaching response, to individual coral colonies and whole reef systems. It presents detailed analyses of how coral bleaching can be detected and quantified and reviews future scenarios based on modeling efforts and the potential mechanisms of acclimatisation and adaptation. It also briefly discusses emerging research areas that focus on the development of innovative interventions aiming to increase coral climate resilience and restore reefs.

## Emerging Digital Spaces in Contemporary Society

### Properties of Technology

**Springer** Analyzing the relationship between digital technologies and society this book explores a wide range of complex social issues emerging in a new digital space. It examines both the vexing dilemmas with a critical eye as well as prompting readers to think constructively and strategically about exciting possibilities.

## Physics Briefs

## Physikalische Berichte

## Mathematics of Wave Phenomena

**Springer Nature** Wave phenomena are ubiquitous in nature. Their mathematical modeling, simulation and analysis lead to fascinating and challenging problems in both analysis and numerical mathematics. These challenges and their impact on significant applications have inspired major results and methods about wave-type equations in both fields of mathematics. The Conference on Mathematics of Wave Phenomena 2018 held in Karlsruhe, Germany, was devoted to these topics and attracted internationally renowned experts from a broad range of fields. These conference proceedings present new ideas, results, and techniques from this exciting research area.

## Food Polysaccharides and Their Applications

**CRC Press** Comprehensive in scope, Food Polysaccharides and Their Applications, Second Edition explains the production aspects and the chemical and physical properties of the main classes of polysaccharides consumed as food, highlighting their nutritional value and their technological characteristics. Chapters in this new edition detail the source, biosynthesis, molecular structures, and physical properties of polysaccharides. They also explore production and uses in food formulations; the effects of cooking and interactions with proteins, lipids, sugars, and metal ions; analytical methods, including identification and quantitative determination; and nutritional and ecological considerations with emphasis on genetic engineering of food crops. The editors carefully balance coverage of fundamental aspects and practical implications for the food industry. What's New in the Second Edition: Explains the preparation of new starch esters and improved techniques for the production of acid-converted and oxidized starches Details new information on the natural functions of cell wall polysaccharides of seeds in relation to their molecular structures, biosynthesis and enzymatic hydrolysis Presents additional references that include those relating to IR and NMR spectrometric methods of analysis

## Construction Stakeholder Management

**John Wiley & Sons** This book captures best practice in construction stakeholder management using a range of international case studies. It demonstrates stakeholder mapping, presents the power/interest matrix and analyses a model for the timely engagement of stakeholders. The increased use of partnering and other relational forms of contracting have underlined the need for project participants to work together and also to be aware of all those who can affect or be affected by a project and its associated developments. Stakeholder management enables them to see this wider picture and provides guidance for managing the diverse views and interests that can manifest in the course of a project's life. All construction projects have the potential for conflicts of interest that can result in costly and damaging legal proceedings. This new book advocates an alternative to dispute resolution that is proactive, practical and global in its application. Construction Stakeholder Management is therefore an essential text for advanced students, lecturers, researchers and practitioners in the built environment.

## Management Information Systems

### Managing the Digital Firm

**Pearson Educación** Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

## Ribbons of Scarlet

### A Novel of the French Revolution's Women

**HarperCollins** "The French Revolution comes alive through the eyes of six diverse and complex women, in the skilled hands of these amazing authors."--Martha Hall Kelly, New York Times bestselling author of Lilac Girls A breathtaking, epic novel illuminating the hopes, desires, and destinies of princesses and peasants, harlots and wives, fanatics and philosophers—seven unforgettable women whose paths cross during one of the most tumultuous and transformative events in history: the French Revolution. Ribbons of Scarlet is a timely story of the power of women to start a revolution—and change the world. In late eighteenth-century France, women do not have a place in politics. But as the tide of revolution rises, women from gilded salons to the streets of Paris decide otherwise—upending a world order that has long oppressed them. Blue-blooded Sophie de Grouchy believes in democracy, education, and equal rights for women, and marries the only man in Paris who agrees. Emboldened to fight the injustices of King Louis XVI, Sophie aims to prove that an educated populace can govern itself—but one of her students, fruit-seller Louise Audu, is hungrier for bread and vengeance than learning. When the Bastille falls and Louise leads a women's march to Versailles, the monarchy is forced to bend, but not without a fight. The king's pious sister Princess Elisabeth takes a stand to defend her brother, spirit her family to safety, and restore the old order, even at the risk of her head. But when fanatics use the newspapers to twist the revolution's ideals into a new tyranny, even the women who toppled the monarchy are threatened by the guillotine. Putting her faith in the pen, brilliant political wife Manon Roland tries to write a way out of France's blood-soaked Reign of Terror while pike-bearing Pauline Leon and steely Charlotte Corday embrace violence as the only way to save the nation. With justice corrupted by revenge, all the women must make impossible choices to survive--unless unlikely heroine and courtesan's daughter Emilie de Sainte-Amaranthe can sway the man who controls France's fate: the fearsome Robespierre.

## Global Environmental Risk

**Routledge** Despite international initiatives such as the Earth Summit in 1992 and ongoing efforts to implement the Kyoto Protocol, human activities continue to register a destructive toll on the planetary environment. At root, research on global environmental risk seeks new pathways for reversing unsustainable trends, curtailing ongoing destructive activities, and creating a life-sustaining planet. This book takes stock of the distinctive challenges posed by global environmental risks, the capacity of knowledge systems to identify and characterize such risks, and the competence of human society to manage the unprecedented complexity. Particular attention trains on engaging, in ways conducive to enhancing social learning and adaptation, the large uncertainties inherent in these risks. Various chapters enlist different scales of analysis to explore the manifestation and causes of global environmental risks in all the diversity of their regional expression. Throughout, the editors and contributors accord prominence to the vulnerability of people and places to environmental degradation. Understanding vulnerability is a neglected key to assessing the nature of the risks and determining strategies for altering trajectories of threat. Global risk futures, the editors argue, are not intractable, and are still amenable to a risk-analysis enterprise that is democratic in principle, humanistic in concept, and geared to the realities that pertain to the particular societies, locales, and regions that will ultimately bear the risk.

## Garbage Citizenship

### Vital Infrastructures of Labor in Dakar, Senegal

**Duke University Press Books** Over the last twenty-five years, garbage infrastructure in Dakar, Senegal, has taken center stage in the struggles over government, the value of labor, and the dignity of the working poor. Through strikes and public dumping, Dakar's streets have been periodically inundated with household garbage as the city's trash collectors and ordinary residents protest urban austerity. Often drawing on discourses of Islamic piety, garbage activists have provided a powerful language to critique a neoliberal mode of governing-through-disposability and assert rights to fair labor. In Garbage Citizenship Rosalind Fredericks traces Dakar's volatile trash politics to recalibrate how we understand urban infrastructure by emphasizing its material, social, and affective elements. She shows how labor is a key component of infrastructural systems and how Dakar's residents use infrastructures as a vital tool for forging collective identities and mobilizing political action. Fleshing out the materiality of trash and degraded labor, Fredericks illuminates the myriad ways waste can be a potent tool of urban control and rebellion.

## Intermetallic Compounds: Principles and Practice, Volume 3

### Progress

**John Wiley & Sons** This third volume continues to set the standard in the field, as originally defined by the best-selling two-volume set Intermetallic Compounds: Principles and Practice. With contributions from 72 authors from 14 different countries, this book introduces a broad range of new topics including: new intermetallic families, new means of assessment of bonding and stability, new properties and phenomena, new applications, new practical processes and new research techniques. Stand-alone chapters set out in a manner that is meaningful to non-specialists, progressing to include knowledge useful to experts New, fully revised, and updated chapters on areas of intense research activity or great importance Providing definitions of intermetallic families, intended to assist all readers Written for clarity, consistency and thoroughness Full and up-to-date referencing to the literature Critical assessments of the state of the subject Acronym list consolidating new entries with those compiled for the two earlier volumes As with Volumes 1 and 2, this is an invaluable aid to both scientists and engineers. Core reading for those who are starting research on intermetallics, and for those who wish to exploit the unique properties of intermetallics in practical applications.

## Characterization of Minerals, Metals, and Materials 2015

**Springer** This collection focuses on the characterization of minerals, metals, and materials as well as the application of characterization results on the processing of these materials. Papers cover topics such as clays, ceramics, composites, ferrous metals, non-ferrous metals, minerals, electronic materials, magnetic materials, environmental materials, advanced materials, and soft materials. In addition, papers covering materials extraction, materials processing, corrosion, welding, solidification, and method development are included. This book provides a current snapshot of characterization in materials science and its role in validating, informing, and driving current theories in the field of materials science. This volume will serve the dual purpose of furnishing a broad introduction of the field to novices while simultaneously serving to keep subject matter experts up-to-date.

## New Media

### A Critical Introduction

Taylor & Francis

## A Textbook of Psychological Medicine

### An Irish Perspective

## STEM Integration in K-12 Education

### Status, Prospects, and an Agenda for Research

**National Academies Press** *STEM Integration in K-12 Education* examines current efforts to connect the STEM disciplines in K-12 education. This report identifies and characterizes existing approaches to integrated STEM education, both in formal and after- and out-of-school settings. The report reviews the evidence for the impact of integrated approaches on various student outcomes, and it proposes a set of priority research questions to advance the understanding of integrated STEM education. *STEM Integration in K-12 Education* proposes a framework to provide a common perspective and vocabulary for researchers, practitioners, and others to identify, discuss, and investigate specific integrated STEM initiatives within the K-12 education system of the United States. *STEM Integration in K-12 Education* makes recommendations for designers of integrated STEM experiences, assessment developers, and researchers to design and document effective integrated STEM education. This report will help to further their work and improve the chances that some forms of integrated STEM education will make a positive difference in student learning and interest and other valued outcomes.

## New Keywords

### A Revised Vocabulary of Culture and Society

**John Wiley & Sons** Over 25 years ago, Raymond Williams' *Keywords: A Vocabulary of Culture and Society* set the standard for how we understand and use the language of culture and society. Now, three luminaries in the field of cultural studies have assembled a volume that builds on and updates Williams' classic, reflecting the transformation in culture and society since its publication. **New Keywords: A Revised Vocabulary of Culture and Society** is a state-of-the-art reference for students, teachers and culture vultures everywhere. Assembles a stellar team of internationally renowned and interdisciplinary social thinkers and theorists Showcases 142 signed entries - from art, commodity, and fundamentalism to youth, utopia, the virtual, and the West- that capture the practices, institutions, and debates of contemporary society Builds on and updates Raymond Williams's classic **Keywords: A Vocabulary of Culture and Society**, by reflecting the transformation in culture and society over the last 25 years Includes a bibliographic resource to guide research and cross-referencing The book is supported by a website: [www.blackwellpublishing.com/newkeywords](http://www.blackwellpublishing.com/newkeywords).

## Researching Design Learning

### Issues and Findings from Two Decades of Research and Development

**Springer Science & Business Media** The product of ongoing research projects in design and technology teaching, this book summarizes the lessons learned. The book focuses on the design activity, on learning, teaching and assessment, and, more widely, on what can be learnt about the research process itself. The authors aim to answer questions such as how active, concrete learning enables cognitive and emotional growth? Researching such questions, the authors integrate the conceptual, the practical and the pedagogic.

## Sustainable Intensification for Agroecosystem Services and Management

**Springer** This edited book provides a comprehensive account of the sustainable intensification process through various forms of case studies and scientific approaches studied across the globe. It also focuses on the agroecosystem services and their subsequent management for ecological integrity. The book helps to understand the interconnection of food, nutrition, economic growth, and environmental security on the planet. It provides comprehensive information with photographic illustration and various other forms of scientific databases on sustainable intensification of agroecosystems. The book also supports decision-making, strategies, and policy formulation for effective implementation of sustainable intensification towards higher productivity along with maintenance and management of agroecosystem services. Proper sustainable intensification of agroecosystem services and their management by maintaining ecological harmony is the future prospect for sustainable development. High input agriculture gives rise to a high-energy footprint, agricultural pollution, resource depletion, loss of agro-biodiversity, and decline of human health. Through this connection, the sustainable intensification approach addresses the advanced food security, sustainability, and overall prosperity of humankind. The book is helpful for both undergraduate and postgraduate students, policymakers, the farming community, as well as the scientific community across the globe to understand the concept of sustainable intensification and its application in relevant fields for proper management of agroecosystems services.

## Mechanical Properties of Metallic Composites

**CRC Press** Provides coverage of dispersion-hardened and fibre-reinforced alloys, addressing principal mechanisms, processing and applications. Mechanical behaviour based on dislocation theory and elastic-plastic mechanics is dealt with and data on advanced composites are provided.

## Blueprint for Greening Affordable Housing

**Island Press** *Blueprint for Green Affordable Housing* is a guide for housing developers, advocates, public agency staff, and the financial community that offers specific guidance on incorporating green building strategies into the design, construction, and operation of affordable housing developments. A completely revised and expanded second edition of the groundbreaking 1999 publication, this new book focuses on topics of specific relevance to affordable housing including: how green building adds value to affordable housing the integrated design process best practices in green design for affordable housing green operations and maintenance innovative funding and finance emerging programs, partnerships, and policies Edited by national green affordable housing expert Walker Wells and featuring a foreword by Matt Petersen, president and chief executive officer of Global Green USA, the book presents 12 case studies of model developments and projects, including rental, home ownership, special needs, senior, self-help, and co-housing from around the United States. Each case study describes the unique green features of the development, discusses how they were successfully incorporated, considers the project's financing and savings associated with the green measures, and outlines lessons learned. *Blueprint for Green Affordable Housing* is the first book of its kind to present information regarding green building that is specifically tailored to the affordable housing development community.



## The Digital Nexus Identity, Agency, and Political Engagement

**Athabasca University Press** Over half a century ago, in *The Gutenberg Galaxy* (1962), Marshall McLuhan noted that the overlap of traditional print and new electronic media like radio and television produced widespread upheaval in personal and public life: Even without collision, such co-existence of technologies and awareness brings trauma and tension to every living person. Our most ordinary and conventional attitudes seem suddenly twisted into gargoyles and grotesques. Familiar institutions and associations seem at times menacing and malignant. These multiple transformations, which are the normal consequence of introducing new media into any society whatever, need special study. The trauma and tension in the daily lives of citizens as described here by McLuhan was only intensified by the arrival of digital media and the Web in the following decades. The rapidly evolving digital realm held a powerful promise for creative and constructive good—a promise so alluring that much of the inquiry into this new environment focused on its potential rather than its profound impact on every sphere of civic, commercial, and private life. The totalizing scope of the combined effects of computerization and the worldwide network are the subject of the essays in *The Digital Nexus*, a volume that responds to McLuhan's request for a "special study" of the tsunami-like transformation of the communication landscape. These critical excursions provide analysis of and insight into the way new media technologies change the workings of social engagement for personal expression, social interaction, and political engagement. The contributors investigate the terms and conditions under which our digital society is unfolding and provide compelling arguments for the need to develop an accurate grasp of the architecture of the Web and the challenges that ubiquitous connectivity undoubtedly delivers to both public and private life. Contributions by Ian Angus, Maria Bakardjieva, Daryl Campbell, Sharone Daniel, Andrew Feenberg, Raphael Foshay, Carolyn Guertin, David J. Gunkel, Bob Hanke, Leslie Lindballe, Mark McCutcheon, Roman Onufrijchuk, Josipa G. Petrunić, Peter J. Smith, Lorna Stefanick, Karen Wall.

## The 4th Industrial Revolution

### Responding to the Impact of Artificial Intelligence on Business

**Springer** This book helps decision makers grasp the importance, and applicability to business, of the new technologies and extended connectivity of systems that underlie what is becoming known as the Fourth Industrial Revolution: technologies and systems such as artificial intelligence, machine learning, 3D printing, the internet of things, virtual and augmented reality, big data and mobile networks. The WEF, OECD and UN all agree that humanity is on the cusp of the Fourth Industrial Revolution. As intelligent systems become integrated into every aspect of our lives this revolution will induce cultural and societal change of a magnitude hitherto unforeseen. These technologies challenge the values, customer experience and business propositions that have been the mainstay of almost every business and organization in existence. By redefining and encapsulating new value structures with emerging intelligent technologies, new innovative models are being created, and brought to market. Understanding the potential and impact of these changes will be a fundamental leadership requirement over the coming years. Skilton and Hovsepian provide decision makers with practical, independent and authoritative guidance to help them prepare for the changes we are all likely to witness due to the rapid convergence of technological advances. In short, bite-sized, nuggets, with frameworks supported by a deep set of practical and up-to-the-minute case studies, they shine light on the new business models and enterprise architectures emerging as businesses seek to build strategies to thrive within this brave new world.

## Ethics in Real Estate

**Springer Science & Business Media** ethics." Certainly our industry is bound by the formal constraints of law in national, state, and local jurisdictions. What this volume reminds us, however, is that those laws are only as good as the personal "sea of ethics" in which each of us operates. THE ETHICS OF PROPERTY INVOLVEMENTS Stephen E. Roulac The Roulac Group San Rafael, California and Visiting Professor University of Ulster Ethical considerations are a dominant theme in the management literature. As "Ethics and ethical issues surround our lives, ... ethics has become one of the most rapidly growing areas of management research, with over 800 articles and 1,400 books appearing since 1990" (Schminke, Ambrose, and Miles, 1998). Compared to business and business management, however, the research and writing on real estate in an ethics context is in the very early stages of development. The lack of a developed literature on ethics in real estate is reflected in the response by one highly placed executive to my solicitation for funding to support the publication of this volume: "I didn't know there were any ethics in real estate!" Fortunately, the Summa Corporation and the American Real Estate Society believe in the importance of ethics in real estate, for their cosponsorship has made possible this special monograph on the subject of Ethics in Real Estate. The support of the Summa Corporation and the American Real Estate Society of this pioneering volume is warmly and appreciatively acknowledged.

## Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

### Special Report of the Intergovernmental Panel on Climate Change

**Cambridge University Press** This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk. Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable assessment for anyone interested in climate extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers.

## Dissertation Abstracts International

### The sciences and engineering. B

### Recycling of Plastics, Metals, and Their Composites

**CRC Press** Having a solid understanding of materials recycling is of high importance, especially due to the growing use of composites in many industries and increasingly strict legislation and concerns about the disposal of composites in landfills or by incineration. *Recycling of Plastics, Metals, and Their Composites* provides a comprehensive review of the recycling of waste polymers and metal composites. It provides the latest advances and covers the fundamentals of recycled polymers and metal composites, such as preparation, morphology, and physical, mechanical, thermal, and flame-retardancy properties. FEATURES Offers a state-of-the-art review of the recycling of polymer composites and metal composites for sustainability Describes a life-cycle analysis to help readers understand the true potential value and market for these recycled materials Details potential applications of recycled polymer and metal composites Includes the performance of natural fiber-reinforced recycled thermoplastic polymer composites under aging conditions and the recycling of multi-material plastics Covers recycling technologies, opportunities, and challenges for polymer-matrix composites This book targets technical professionals in the metal and polymer industries as well as researchers, scientists, and advanced students. It is also of interest to decision makers at material suppliers, recycled metal and polymer product manufacturers, and governmental agencies working with recycled metal and polymer composites.

## 12 Ways Your Phone Is Changing You

**Crossway** Do You Control Your Phone—Or Does Your Phone Control You? Within a few years of its unveiling, the smartphone had become part of us, fully integrated into the daily patterns of our lives. Never offline, always within reach, we now wield in our hands a magic wand of technological power we have only begun to grasp. But it raises new enigmas, too. Never more connected, we seem to be growing more distant. Never more efficient, we have never been more distracted. Drawing from the insights of numerous thinkers, published studies, and his own research, writer Tony Reinke identifies twelve potent ways our smartphones have changed us—for good and bad. Reinke calls us to cultivate wise thinking and healthy habits in the digital age, encouraging us to maximize the many blessings, to avoid the various pitfalls, and to wisely wield the most powerful gadget of human connection ever unleashed.

## English Private Law

Sources of law, law of persons, law of property. Vol. 1

## Acoustics and Vibration of Mechanical Structures—AVMS-2017

Proceedings of the 14th AVMS Conference, Timisoara, Romania, May 25–26, 2017

**Springer** This book is a collection of papers presented at Acoustics and Vibration of Mechanical Structures 2017 - AVMS 2017 - highlighting the current trends and state-of-the-art developments in the field. It covers a broad range of topics, such as noise and vibration control, noise and vibration generation and propagation, the effects of noise and vibration, condition monitoring and vibration testing, modeling, prediction and simulation of noise and vibration, environmental and occupational noise and vibration, noise and vibration attenuators, as well as biomechanics and bioacoustics. The book also presents analytical, numerical and experimental techniques for evaluating linear and non-linear noise and vibration problems (including strong nonlinearity). It is primarily intended for academics, researchers and professionals, as well as PhD students in various fields of the acoustics and vibration of mechanical structures.

## Prospects for Saline Agriculture

**Springer Science & Business Media** Saline land is a resource capable of significant production. Recent advances in research in breeding for salt tolerance in wheat, biotechnology in rice, and selection and rehabilitation of salt-tolerant plants are of economic importance in arid/saline conditions. This book gives some practical approaches for saline agriculture and afforestation, and describes examples of cultivating salt-tolerant/halophytic plants for commercial interest on salt-affected land or with highly salinized water in Australia, China, Central Asia, Egypt, Pakistan, and Russia. It also explores the possibilities of arid/saline agriculture and afforestation in UAE.

## Peabody Developmental Motor Scales, (Pdms-2

Environmental Health and the U.S. Federal System

## Sustainably Managing Health Hazards

**Routledge** This book explains how the U.S. federal system manages environmental health issues, with a unique focus on risk management and human health outcomes. Building on a generic approach for understanding human health risk, this book shows how federalism has evolved in response to environmental health problems, political and ideological variations in Washington D.C, as well as in-state and local governments. It examines laws, rules and regulations, showing how they stretch or fail to adapt to environmental health challenges. Emphasis is placed on human health and safety risk and how decisions have been influenced by environmental health information. The authors review different forms of federalism, and analyse how it has had to adapt to ever evolving environmental health hazards, such as global climate change, nanomaterials, nuclear waste, fresh air and water, as well as examining the impact of robotics and artificial intelligence on worker environmental health. They demonstrate the process for assessing hazard information and the process for federalism risk management, and subsequently arguing that human health and safety should receive greater attention. This book will be essential reading for students and scholars working on environmental health and environmental policy, particularly from a public health, and risk management viewpoint, in addition to practitioners and policymakers involved in environmental management and public policy.

## Intelligent Systems Applications in Software Engineering

Proceedings of 3rd Computational Methods in Systems and Software 2019. Vol. 1

This book presents real-world problems and exploratory research that describes novel approaches in software engineering, cybernetics and algorithms in the context of intelligent systems. It constitutes the refereed proceedings of the 3rd Computational Methods in Systems and Software 2019 (CoMeSySo 2019) conference, a groundbreaking online conference that provides an international forum for discussing the latest high-quality research results.

## The Shallows

How the Internet Is Changing the Way We Think, Read and Remember

**Atlantic Books Ltd** 'Boldly reactionary... What looks like feast, Carr argues, may be closer to famine' Sunday Times 'Chilling' The Economist In this ground-breaking and compelling book, Nicholas Carr argues that not since Gutenberg invented printing has humanity been exposed to such a mind-altering technology. The Shallows draws on the latest research to show that the Net is literally re-wiring our brains inducing only superficial understanding. As a consequence there are profound changes in the way we live and communicate, remember and socialise - even in our very conception of ourselves. By moving from the depths of thought to the shallows of distraction, the web, it seems, is actually fostering ignorance. The Shallows is not a manifesto for luddites, nor does it seek to turn back the clock. Rather it is a revelatory reminder of how far the Internet has become enmeshed in our daily existence and is affecting the way we think. This landmark book compels us all to look anew at our dependence on this all-pervasive technology. This 10th-anniversary edition includes a new afterword that brings the story up to date, with a deep examination of the cognitive and behavioural effects

of smartphones and social media.