

## Beyond Possession 55 Kit Rocha

*This Open Access book is about the development of a common understanding of environmental citizenship. It conceptualizes and frames environmental citizenship taking an educational perspective. Organized in four complementary parts, the book first explains the political, economic and societal dimensions of the concept. Next, it examines environmental citizenship as a psychological concept with a specific focus on knowledge, values, beliefs and attitudes. It then explores environmental citizenship within the context of environmental education and education for sustainability. It elaborates responsible environmental behaviour, youth activism and education for sustainability through the lens of environmental citizenship. Finally, it discusses the concept within the context of different educational levels, such as primary and secondary education in formal and non-formal settings. Environmental citizenship is a key factor in sustainability, green and cycle economy, and low-carbon society, and an important aspect in addressing global environmental problems. It has been an influential concept in many different arenas such as economy, policy, philosophy, and organizational marketing. In the field of education, the concept could be better exploited and established, however. Education and, especially, environmental discourses in science education have a great deal to contribute to the adoption and promotion of environmental citizenship.*

*The document summarizes the report that, based on a review of more than 250 studies, demonstrates the importance and urgency of climate action to protect the forests of the indigenous and tribal territories of Latin America as well as the indigenous and tribal peoples who protect them. These territories contain about a third of the continent's forests. That's 14% of the carbon stored in tropical forests around the world; These territories are also home to an enormous diversity of wild fauna and flora and play a key role in stabilizing the local and regional climate. Based on an analysis of the approaches that have proven effective in recent decades, a set of investments and policies is proposed for adoption by climate funders and government decision-makers in collaboration with indigenous and tribal peoples. These measures are grouped into five main categories: i) strengthening of collective territorial rights; ii) compensate indigenous and tribal communities for the environmental services they provide; iii) facilitate community forest management; iv) revitalize traditional cultures and knowledge; and v) strengthen territorial governance and indigenous and tribal organizations. Preliminary analysis suggests that these investments could significantly reduce expected carbon emissions at a low cost, in addition to offering many other environmental and social benefits.*

*She's been looking for the perfect man. She found two. When Rachel Riley sacrificed a life in Eden to protect the O'Kanes, she earned her place in the powerful Sector Four gang. But the former crime princess is tired of being everyone's sweet little sister . It's time for her to get wild, to embrace her fantasies as only an O'Kane can—with a delicious exiled soldier and the gang's wickedly sinful tattoo artist. A saint... Lorenzo Cruz is a warrior, taught by his commanding officers in Eden that involvement equals distraction. Emotion is a liability, and desire a sin. In Sector Four, he finds decadence, shameless sex—and his own dark urges. No battle strategy prepared him for how Rachel makes his heart race...or the way his rival for her affections sets his blood on fire. ...and a simmer. Ace Santana has a dirty reputation and a mind to match, especially where his new lovers are concerned. He's eager to help Cruz embrace his dominant side, and to explore the lines between pleasure and pain with Rachel. But corrupting them quickly becomes an obsession, a need he can't deny—and a love he never imagined. Three hearts on the line means a hundred ways their ménage a trois could go wrong. After all, even O'Kanes do forever two-by-two. One of them could be the missing piece that makes them all whole...or a temporary diversion destined for a broken heart.*

*“Hypnotic...It is ever tempting to try to fathom his restless spirit and his determination to challenge fate.” —Janet Maslin, New York Times Werner Herzog (Grizzly Man) is one of the most revered and enigmatic filmmakers of our time, and Fitzcarraldo is one of his most honored and admired films. More than just Herzog's journal of the making of the monumental, problematical motion picture, which involved, among other things, major cast changes and reshoots, and the hauling (without the use of special effects) of a 360-ton steamship over a mountain , Conquest of the Useless is a work of art unto itself, an Amazonian fever dream that emerged from the delirium of the jungle. With fascinating observations about crew and players—including Herzog's lead, the somewhat demented internationally renowned star Klaus Kinski—and breathtaking insights into the filmmaking process that are uniquely Werner Herzog, Conquest of the Useless is an eye-opening look into the mind of a cinematic master.*

*a comparative perspective, the archaeology of the earliest human mummification*

*Critical Medical Anthropology*

*DSIC 2021*

*Advances, Applications and Challenges*

*Spiritual Warfare in Africa and Melanesia*

*The Microbiome in Rheumatic Diseases and Infection*

*Orthogeriatrics*

The Mercenary Librarians and the Silver Devils are back in The Devil You Know, the next installment of USA Today and New York Times bestselling author Kit Rocha's post-apocalyptic Action/Romance, with hints of Orphan Black and the Avengers Maya has had a price on her head from the day she escaped the TechCorps. Genetically engineered for genius and trained for revolution, there's only one thing she can't do—forget. Gray has finally broken free of the Protectorate, but he can't escape the time bomb in his head. His body is rejecting his modifications, and his months are numbered. When Maya's team uncovers an operation trading in genetically enhanced children, she'll do anything to stop them. Even risk falling back into the hands of the TechCorps. And Gray has found a purpose for his final days: keeping Maya safe. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

In this volume cultural, social and cognitive influences on the research and teaching of mathematical modelling are explored from a variety of theoretical and practical perspectives. The authors of the current volume are all members of the International Community of Teachers of Mathematical Modelling and Applications, the peak research body in this field. A distinctive feature of this volume is the high number of authors from South American countries. These authors bring quite a different perspective to modelling than has been showcased in previous books in this series, in particular from a cultural point of view. As well as recent international research, there is a strong emphasis on pedagogical issues including those associated with technology and assessment, in the teaching and learning of modelling. Applications at various levels of education are exemplified. The contributions reflect common issues shared globally and represent emergent or on-going challenges.

This handbook features contributions from a team of expert authors representing the many disciplines within science, engineering, and technology that are involved in pharmaceutical manufacturing. They provide the information and tools you need to design, implement, operate, and troubleshoot a pharmaceutical manufacturing system. The editor, with more than thirty years' experience working with pharmaceutical and biotechnology companies, carefully reviewed all the chapters to ensure that each one is thorough, accurate, and clear.

An incisive and devastating critique of capitalism, sounding the alarm that the system poses a threat to human well-being.

Aboriginal and Torres Strait Islander Mental Health and Wellbeing Principles and Practice

Pentecostalism and Witchcraft

Forest governance by indigenous and tribal peoples

Working Together

Global Crisis and the Relevance of Marx

Sound, Affect, and the Ecology of Fear

This report is part of WHO's response to the 49th World Health Assembly held in 1996 which adopted a resolution declaring violence a major and growing public health problem across the world. It is aimed largely at researchers and practitioners including health care workers, social workers, educators and law enforcement officials.

The images in this textbook are in grayscale. There is a color version available - search for ISBN 9781680922370. Psychology is designed to meet scope and sequence requirements for the single-semester introduction to psychology course. The book offers a comprehensive treatment of core concepts, grounded in both classic studies and current and emerging research. The text also includes coverage of the DSM-5 in examinations of psychological disorders. Psychology incorporates discussions that reflect the diversity within the discipline, as well as the diversity of cultures and communities across the globe.

This book discusses the role of the microbiome in rheumatic diseases and details its implications for patient treatment. Recently, with technological advances, there has been significant research into the microbiome. This has enabled us to more profoundly understand its role in our immune system maturation as well as the role played by microorganisms in autoimmunity and the deeply related rheumatic diseases. This book comprehensively explains the emerging microbiome research through the interrelationships of biomedical sciences, including: immunology, microbiology, bioinformatics, and, with special emphasis, the clinical aspect of rheumatology. It examines the interplay between infectious organisms and major autoimmune diseases, including rheumatoid arthritis, psoriatic arthritis, juvenile arthritis, systemic lupus erythematosus, and vasculitis, and explains how to apply that knowledge to diagnostic techniques and treatment decisions. The international team of expert authors provides insight into current therapies and future interventions specifically targeting the microbiota and explores the impact of our deeper understanding on enhancing personalized medicine. The Microbiome in Rheumatic Diseases and Infection is an essential resource for rheumatologists, pediatricians, internists, microbiologists, and critical care providers caring for children and adults with rheumatic diseases.

The first science fiction course in the American academy was held in the early 1950s. In the sixty years since, science fiction has become a recognized and established literary genre with a significant and growing body of scholarship. The Cambridge History of Science Fiction is a landmark volume as the first authoritative history of the genre. Over forty contributors with diverse and complementary specialties present a history of science fiction across national and genre boundaries, and trace its intellectual and creative roots in the philosophical and fantastic narratives of the ancient past. Science fiction as a literary genre is the central focus of the volume, but fundamental to its story is its non-literary cultural manifestations and influence. Coverage thus includes transmedia manifestations as an integral part of the genre's history, including not only short stories and novels, but also film, art, architecture, music, comics, and interactive media.

Conquest of the Useless

Reflections from the Making of Fitzcarraldo

Psychology 2e

shaping the society of 2030

Putting Brain, Body, and World Together Again

An Annotated Bibliography 1948-1992

An opportunity for climate action in Latin America and the Caribbean

An exploration of the production, transmission, and mutation of affective tonality--when sound helps produce a bad vibe. Sound can be deployed to produce discomfort, express a threat, or create an ambience of fear or dread--to produce a bad vibe. Sonic weapons of this sort include the "psychoacoustic correction" aimed at Panama strongman Manuel Noriega by the U.S. Army and at the Branch Davidians in Waco by the FBI, sonic booms (or "sound bombs") over the Gaza Strip, and high-frequency rat repellants used against teenagers in malls. At the same time, artists and musicians generate intense frequencies in the search for new aesthetic experiences and new ways of mobilizing bodies in rhythm. In Sonic Warfare, Steve Goodman explores these uses of acoustic force and how they affect populations. Traversing philosophy, science, fiction, aesthetics, and popular culture, he maps a (dis)continuum of vibrational force, encompassing police and military research into acoustic means of crowd control, the corporate deployment of sonic branding, and the intense sonic encounters of sound art and music culture. Goodman concludes with speculations on the not yet heard--the concept of unsound, which relates to both the peripheries of auditory perception and the unactualized nexus of rhythms and frequencies within audible bandwidths.

Next generation sequencing (NGS) has surpassed the traditional Sanger sequencing method to become the main choice for large-scale, genome-wide sequencing studies with ultra-high-throughput production and a huge reduction in costs. The NGS technologies have had enormous impact on the studies of structural and functional genomics in all the life sciences. In this book, Next Generation Sequencing Advances, Applications and Challenges, the sixteen chapters written by experts cover various aspects of NGS including genomics, transcriptomics and methylomics, the sequencing platforms, and the bioinformatics challenges in processing and analysing huge amounts of sequencing data. Following an overview of the evolution of NGS in the brave new world of omics, the book examines the advances and challenges of NGS applications in basic and applied research on microorganisms, agricultural plants and humans. This book is of value to all who are interested in DNA sequencing and bioinformatics across all fields of the life sciences.

Critical Medical Anthropology presents inspiring work from scholars doing and engaging with ethnographic research in or from Latin America, addressing themes that are central to contemporary Critical Medical Anthropology (CMA). This includes issues of inequality, embodiment of history, indigeneity, non-communicable diseases, gendered violence, migration, substance abuse, reproductive politics and judicialisation, as these relate to health. The collection of ethnographically informed research, including original theoretical contributions, reconsiders the broader relevance of CMA perspectives for addressing current global healthcare challenges from and of Latin America. It includes work spanning four countries in Latin America (Mexico, Brazil, Guatemala and Peru) as well as the trans-migratory contexts they connect and are defined by. By drawing on diverse social practices, it addresses challenges of central relevance to medical anthropology and global health, including reproduction and maternal health, sex work, rare and chronic diseases, the pharmaceutical industry and questions of agency, political economy, identity, ethnicity, and human rights.

The Object of the Atlantic is a wide-ranging study of the transition from a concern with sovereignty to a concern with things in Iberian Atlantic literature and art produced between 1868 and 1968. Rachel Price uncovers the surprising ways that concrete aesthetics from Cuba, Brazil, and Spain drew not only on global forms of constructivism but also on a history of empire, slavery, and media technologies from the Atlantic world. Analyzing Jose Martí 's notebooks, Joaquim de Sousa Andrade ' s poetry, Ramiro de Maetzú ' s essays on things and on slavery, 1920s Cuban literature on economic restructuring, Ferreira Gullar ' s theory of the " non-object," and neoconcrete art, Price shows that the turn to objects--and from these to new media networks--was rooted in the very philosophies of history that helped form the Atlantic world itself.

Perspectives in and from Latin America

The Chinchorro culture

Adaptive Strategies for Water Heritage

World Report on Violence and Health

Beyond Ecstasy

Microorganisms in the Deterioration and Preservation of Cultural Heritage

World Trade Report 2021

Tatiana Stone has worked hard to establish herself as one of Sector Four's most skilled crafters. All she wants is peace--but the sins of her father haunt her. He ruled the sector as a petty tyrant before the O'Kane takeover, and plenty of people harbor bitter memories of his cruelty. Especially now that Tatiana's beloved baby sister has fallen in with a man who wants to start a revolution. Zan failed his boss once, and it won't happen again. So when Dallas O'Kane asks him to defuse the rebellion brewing in the sector, he'll do whatever it takes to get the job done--including seduce Tatiana. It's the perfect opportunity to get closer to the pretty crafter and complete his mission. But what he discovers is a fiery, passionate woman--and an affair that could destroy them both.

This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients and how to develop clinical systems that do so reliably.

The 2021 World Trade Report analyses how digital technologies are transforming global commerce and international trade cooperation. It examines in particular how trade is likely to evolve in the coming 10 to 15 years as a result of digital technologies, such as 3D printing, artificial intelligence and blockchain. Case studies will provide concrete examples of how companies are already using new technologies to streamline their operations. The report will also include contributions from academics and leading experts on how they see digital technologies having an impact on the future of trade and the nature of trade cooperation.

Second edition of Gloria Anzaldúa's major work, with a new critical introduction by Chicano Studies scholar and new reflections by Anzaldúa.

Digital Science

Labor Conflict in a Leisure Economy, 1960-1985

Beyond Addiction

Mathematical Modelling in Education Research and Practice

Past, Present and Future

Sonic Warfare

Susan Sontag

*Deal with the Devil is Orphan Black meets the post-apocalyptic Avengers by USA Today and New York Times bestselling author duo Kit Rocha. Nina is an information broker with a mission--she and her team of mercenary librarians use their knowledge to save the hopeless in a crumbling America. Knox is the bitter, battle-weary captain of the Silver Devils. His squad of supersoldiers went AWOL to avoid slaughtering innocents, and now he's fighting to survive. They're on a deadly collision course, and the passion that flares between them only makes it more dangerous. They could burn down the world, destroying each other in the process... Or they could do the impossible: team up. This is the first book in a near-future science fiction series with elements of romance. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.*

*It's been ten years since open data first broke onto the global stage. Over the past decade, thousands of programmes and projects around the world have worked to open data and use it to address a myriad of social and economic challenges. Meanwhile, issues related to data rights and privacy have moved to the centre of public and political discourse. As the open data movement enters a new phase in its evolution, shifting to target real-world problems and embed open data thinking into other existing or emerging communities of practice, big questions still remain. How will open data initiatives respond to new concerns about privacy, inclusion, and artificial intelligence? And what can we learn from the last decade in order to deliver impact where it is most needed? The State of Open Data brings together over 60 authors from around the world to address these questions and to take stock of the real progress made to date across sectors and around the world, uncovering the issues that will shape the future of open data in the years to come.*

*For years, Jared has existed on the fringes of both Eden society and Dallas O'Kane's Sector Four gang. He travels between these worlds, protected by his money and power--money he earned selling his body, and power that comes from knowing secrets. He's untouchable--until he starts a new life gathering intelligence for the O'Kanes. Lili Fleming walked out of Sector Five with a gun, the bloodstained clothes on her back, and an icy determination to survive. She finds herself in a world where people live hard and love harder, and nothing's more terrifying than how much the O'Kanes wake her up, make her feel--especially Jared. Emotion is a risk he can't afford, and a complication she doesn't need. But neither can resist the lust simmering between them, and the sparks that could either melt the ice around both their hearts...or get them killed. Because the only thing more dangerous than loving an O'Kane is loving a spy.*

*The stories of the shadowy networks and wealthy people who bankrolled and sustained Las Vegas's continuous reinvention are well documented in works of scholarship, journalism, and popular culture. Yet no one has studied closely and over a long period of time the dynamics of the workforce -- the casino and hotel workers and their relations with the companies they work for and occasionally strike against. James P. Kraft here explores the rise and changing fortunes of organized and unorganized labor as Las Vegas evolved from a small, somewhat seedy desert oasis into the glitzy tourist destination that it is today. Drawing on scores of interviews, personal and published accounts, and public records, Kraft brings to life the largely behind-the-scenes battles over control of Sin City workplaces between 1960 and 1985. He examines successful and failed organizing drives, struggles over pay and equal rights, and worker grievances and arbitration to show how the resort industry's evolution affected hotel and casino workers. From changes in the political and economic climate to large-scale strikes, backroom negotiations, and individual worker-supervisor confrontations, Kraft explains how Vegas's overwhelmingly service-oriented economy works -- and doesn't work -- for the people and companies who cater to the city's pleasure-seeking visitors. American historians and anyone interested in the history of labor or Las Vegas will find this account highly original, insightful, and even-handed.*

*Integrating Responses at the Intersection of Opioid Use Disorder and Infectious Disease Epidemics*

*Facing Addiction in America*

*Production and Processes*

*Conceptualizing Environmental Citizenship for 21st Century Education*

*The Cambridge History of Science Fiction*

*The Object of the Atlantic*

*Psychology*

***Brain, body, and world are united in a complex dance of circular causation and extended computational activity. In Being There, Andy Clark weaves these several threads into a pleasing whole and goes on to address foundational questions concerning the new tools and techniques needed to make sense of the emerging sciences of the embodied mind. Clark brings together ideas and techniques from robotics, neuroscience, infant psychology, and artificial intelligence. He addresses a broad range of adaptive behaviors, from cockroach locomotion to the role of linguistic artifacts in higher-level thought.***

***All across the United States, individuals, families, communities, and health care systems are struggling to cope with substance use, misuse, and substance use disorders. Substance misuse and substance use disorders have devastating effects, disrupt the future plans of too many young people, and all too often, end lives prematurely and tragically. Substance misuse is a major public health challenge and a priority for our nation to address. The effects of substance use are cumulative and costly for our society, placing burdens on workplaces, the health care***

**system, families, states, and communities. The Report discusses opportunities to bring substance use disorder treatment and mainstream health care systems into alignment so that they can address a person's overall health, rather than a substance misuse or a physical health condition alone or in isolation. It also provides suggestions and recommendations for action that everyone—individuals, families, community leaders, law enforcement, health care professionals, policymakers, and researchers—can take to prevent substance misuse and reduce its consequences.**

**This open access book presents fresh ethnographic work from the regions of Africa and Melanesia—where the popularity of charismatic Christianity can be linked to a revival and transformation of witchcraft. The volume demonstrates how the Holy Spirit has become an adversary to the reconfirmed presence of witches, demons, and sorcerers as manifestations of evil. We learn how this is articulated in spiritual warfare, in crusades, and in healing or witch-killing raids. The contributors highlight what happens to phenomena that people address as locally specific witchcraft or sorcery when re-molded within the universalist Pentecostal demonology, vocabulary, and confrontational methodology.**

**According to the Centers for Disease Control and Prevention (CDC), 115 Americans die each day from an opioid overdose, which averages one death every 12.5 minutes. Between 1999 and 2016, the number of drug overdoses catapulted by 300 percent, with injection drug use increasing by 93 percent between 2004 and 2014 and opioid-related hospital admissions increasing by 58 percent over the past decade. And an inexorable sequela of the opioid epidemic is the spread of infectious diseases. To address these infectious disease consequences of the opioid crisis, a public workshop titled Integrating Infectious Disease Considerations with Response to the Opioid Epidemic was convened on March 12 and 13, 2018, by the National Academies of Sciences, Engineering, and Medicine. Participants discussed strategies to prevent and treat infections in people who inject drugs, especially ways to work efficiently though the existing public health and medical systems. This publication summarizes the presentations and discussions from the workshop.**

**The New Mestiza**

**Janeway's Immunobiology**

**A Mercenary Librarians Novel**

**Deal with the Devil**

**Concrete Aesthetics in Cuba, Brazil, and Spain, 1868-1968**

**Beyond Innocence**

**The Essential Guide to Telecommunications**

Vegas at Odds Labor Conflict in a Leisure Economy, 1960-1985 JHU Press

Susan Sontag: An Annotated Bibliography catalogues the works of one of America's most prolific and important 20th century authors. Known for her philosophical writings on American culture, topics left untouched by Sontag's writings are few and far between. This volume is an exhaustive collection that includes her novels, essays, reviews, films and interviews. Each entry is accompanied by an annotated bibliography.

The O ' Kanes have a reputation for working hard and playing harder—except for Hawk. He joined the gang with one goal: to ensure his family ' s survival through the impending war with Eden. It ' s been years since he had the luxury of wanting anything for himself. Now, he wants Jeni. From the first moment he saw her, he ' s been obsessed with making her his. Not for a night—forever. Jeni ' s been lusting after the former smuggler for months, but he keeps shutting her down. She ' s almost given up on getting him in her bed when he offers her the last thing she ever expected—a collar. Accepting it means belonging to him, body and soul. It ' s a reckless gamble, but Jeni can ' t resist the chance to slip under Hawk ' s armor. The only thing more shocking than the dark, dangerous pleasure they discover is how right it feels. But falling in love is even more reckless when forever is far from guaranteed. Because they aren ' t just at war, they ' re out of time—and every breath could be their last.

She ' s fought like hell to leave the past behind. Trix changed her name and her life when she got clean four years ago. Now, she has a new family and a job she loves—tending bar and dancing at the Broken Circle. As an O ' Kane, she ' s happy, untouchable. Until a nightmare from her old life tears her away from her home and drags her back to Hell—also known as Sector Five. He ' s still living—and dying—in it. Losing Trix was the kick in the head Finn needed to get sober, but working as an enforcer for a man he hates is slowly crushing his soul. The only thing that keeps him going is his determination to destroy Sector Five from the inside. Then Trix comes back into his life—alive, in danger—and nothing else matters. Getting her home could be a suicide mission. The only thing deadlier is the old spark that flares to life between them. Soon, Finn and Trix are battling the one addiction neither of them ever managed to kick—each other. And it could cost them everything.

The Surgeon General's Report on Alcohol, Drugs, and Health

Beyond Jealousy

Next Generation Sequencing

Proceedings of a Workshop

Vegas at Odds

The State of Open Data

Borderlands

This resource is written for health professionals working with Aboriginal and Torres Strait Islander people experiencing social and emotional wellbeing issues and mental health conditions.

It provides information on the issues influencing mental health, good mental health practice, and strategies for working with specific groups. Over half of the authors in this second edition are Indigenous people themselves, reflecting the growing number of Aboriginal and Torres Strait Islander experts who are writing and adding to the body of knowledge around mental health and associated areas.

"Annabel Dodd has cogently untangled the wires and switches and technobabble of the telecommunications revolution and explained how the introduction of the word 'digital' into our legislative and regulatory lexicon will affect consumers, companies and society into the next millennium." – United States Senator Edward J. Markey of Massachusetts; Member, U.S. Senate Subcommittee on Communications, Technology, Innovation, and the Internet "Annabel Dodd has a unique knack for explaining complex technologies in understandable ways. This latest revision of her book covers the rapid changes in the fields of broadband, cellular, and streaming technologies; newly developing 5G networks; and the constant changes happening in both wired and wireless networks. This book is a must-read for anyone who wants to understand the rapidly evolving world of telecommunications in the 21st century!" – David Mash, Retired Senior Vice President for Innovation, Strategy, and Technology, Berklee College of Music Completely updated for current trends and technologies, *The Essential Guide to Telecommunications*, Sixth Edition, is the world's top-selling, accessible guide to the fast-changing global telecommunications industry. Writing in easy-to-understand language, Dodd demystifies today's most significant technologies, standards, architectures, and trends. She introduces leading providers worldwide, explains where they fit in the marketplace, and reveals their key strategies. New topics covered in this edition include: LTE Advanced and 5G wireless, modern security threats and countermeasures, emerging applications, and breakthrough techniques for building more scalable, manageable networks. Gain a practical understanding of modern cellular, Wi-Fi, Internet, cloud, and carrier technologies Discover how key technical, business, and regulatory innovations are changing the industry See how streaming video, social media, cloud computing, smartphones, and the Internet of Things are transforming networks Explore growing concerns about security and privacy, and review modern strategies for detecting and mitigating network breaches Learn how Software Defined Networks (SDN) and Network Function Virtualization (NFV) add intelligence to networks, enabling automation, flexible configurations, and advanced networks Preview cutting-edge, telecom-enabled applications and gear—from mobile payments to drones Whether you're an aspiring network engineer looking for a broad understanding of the industry, or a salesperson, marketer, investor, or customer, this indispensable guide provides everything you need to know about telecommunications right now. This new edition is ideal for both self-study and classroom instruction. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

This open access book offers a comprehensive overview of the role and potential of microorganisms in the degradation and preservation of cultural materials (e.g. stone, metals, graphic documents, textiles, paintings, glass, etc.). Microorganisms are a major cause of deterioration in cultural artefacts, both in the case of outdoor monuments and archaeological finds. This book covers the microorganisms involved in biodeterioration and control methods used to reduce their impact on cultural artefacts. Additionally, the reader will learn more about how microorganisms can be used for the preservation and protection of cultural artefacts through bio-based and eco-friendly materials. New avenues for developing methods and materials for the conservation of cultural artefacts are discussed, together with concrete advances in terms of sustainability, effectiveness and toxicity, making the book essential reading for anyone interested in microbiology and the preservation of cultural heritage.

This Open Access book, building on research initiated by scholars from the Leiden-Delft-Erasmus Centre for Global Heritage and Development (CHGD) and ICOMOS Netherlands, presents multidisciplinary research that connects water to heritage. Through twenty-one chapters it explores landscapes, cities, engineering structures and buildings from around the world. It describes how people have actively shaped the course, form and function of water for human settlement and the development of civilizations, establishing socio-economic structures, policies and cultures; a rich world of narratives, laws and practices; and an extensive network of infrastructure, buildings and urban form. The book is organized in five thematic sections that link practices of the past to the design of the present and visions of the future: part I discusses drinking water management; part II addresses water use in agriculture; part III explores water management for land reclamation and defense; part IV examines river and coastal planning; and part V focuses on port cities and waterfront regeneration. Today, the many complex systems of the past are necessarily the basis for new systems that both preserve the past and manage water today: policy makers and designers can work together to recognize and build on the traditional knowledge and skills that old structure embody. This book argues that there is a need for a common agenda and an integrated policy that addresses the preservation, transformation and adaptive reuse of historic water-related structures. Throughout, it imagines how such efforts will help us develop sustainable futures for cities, landscapes and bodies of water.

Zombie Capitalism

Being There

Cultural, Social and Cognitive Influences

Smart cities

Beyond Possession

Histories and Horizons

The Devil You Know

**This book gathers selected papers that were submitted to the 2021 International Conference on Digital Science (DSIC 2021) that aims to make available the discussion and the publication of papers on all aspects of single and multidisciplinary research on conference topics. DSIC 2021 was held on October 15–17, 2021. An important characteristic feature of conference is the short publication time and worldwide distribution. Written by respected researchers, the book covers a range of innovative topics related to: digital economics; digital education; digital engineering; digital environmental sciences; digital finance, business and banking; digital health care, hospitals and rehabilitation; digital media; digital medicine, pharma and public health; digital public administration; digital technology and applied sciences. This book may be used for private and professional non-commercial research and classroom use (e.g., sharing the contribution by mail or in hard copy form with research colleagues for their professional non-commercial research and classroom use); for use in presentations or handouts for any level students, researchers, etc.; for the further development of authors' scientific career (e.g., by citing, and attaching contributions to job or grant application).**

**The Janeway's Immunobiology CD-ROM, Immunobiology Interactive, is included with each book, and can be purchased separately. It contains animations and videos with voiceover narration, as well as the figures from the text for presentation purposes.**

**Pharmaceutical Manufacturing Handbook**