

Emperors New Mind

Gets to the heart of science by asking a fundamental question: what is the true nature of space and time?

The epic, behind-the-scenes story of an astounding gap in our scientific knowledge of the cosmos. In the past few years, a handful of scientists have been in a race to explain a disturbing aspect percent of it consists of the matter that makes up you, me, our books, and every planet, star, and galaxy. The rest—96 percent of the universe—is completely unknown. Richard Panek tells the d scientists reached this conclusion, and what they're doing to find this "dark" matter and an even more bizarre substance called dark energy. Based on in-depth, on-site reporting and hundreds of everyone from Berkeley's feisty Saul Perlmutter and Johns Hopkins's meticulous Adam Riess to the quietly revolutionary Vera Rubin—the book offers an intimate portrait of the bitter rivalries and collaborations, the eureka moments and blind alleys, that have fueled their search, redefined science, and reinvented the universe.

For many decades, the proponents of 'artificial intelligence' have maintained that computers will soon be able to do everything that a human can do. In his bestselling work of popular science, Sir takes us on a fascinating tour through the basic principles of physics, cosmology, mathematics, and philosophy to show that human thinking can never be emulated by a machine. Oxford Landmar 'must-read' classics of modern science writing which have crystallized big ideas, and shaped the way we think.

"What Is Life?" is Nobel laureate Erwin Schrödinger's exploration of the question which lies at the heart of biology. His essay, "Mind and Matter," investigates what place consciousness occupies i life, and what part the state of development of the human mind plays in moral questions. "Autobiographical Sketches" offers a fascinating fragmentary account of his life as a background to his s

The Hidden Habits of Genius

The Emperor's Conscience

A Study of the Popular Mind

The Emperor of All Maladies

The Mechanistic Myth and Its Consequences

Pertinax

The Taoist Guide to Health, Longevity, and Immortality

Winner of the Wolf Prize for his contribution to our understanding of the universe, Penrose takes on the question of whether artificial intelligence will ever approach the intricacy of the human mind. 144 illustrations.

Oversized volume containing everything known about the usefulness of the cannabis plant. Completely revised, updated and expanded for more ways that hemp can really save the world.

Presenting a look at the human mind's capacity while criticizing artificial intelligence, the author makes suggestions about classical and quantum physics and the role of microtubules

The children of an assassinated emperor try to stay alive and avenge their father's death while continuing down their individual life-paths, one in a monastery, another training with elite soldiers, and one appointed a minister determined to prove herself to her people.

Valentino

Beyond Talent, IQ, and Grit—Unlocking the Secrets of Greatness

Cycles of Time

Loop Quantum Gravity and the Search for the Structure of Space, Time, and the Universe

The Jade Emperor's Mind Seal Classic

The Emperor's New Mathematics

Jack Herer's the Emperor Wears No Clothes

The tale of the emperor and his court, who allow themselves to be swindled by two impostors until a child tells the truth. The famous and much-loved Danish author Hans Christian Andersen celebrated his 200 anniversary the year 2005. On this occasion we have published five of his best tales retold for children aged 3-9 years and with new illustrations: Tinderbox, The Little Match Girl, The Nightingale, The Emperor's New Clothes and The Ugly Duckling. Hans Christian Andersen wrote The Emperors New Clothes in 1844.

The son of a former slave, Pertinax was the Roman Emperor who proved that no matter how lowly your birth, you could rise to the very top through hard work, grit and determination. Born in AD 126, he made a late career change from working as a grammar teacher to a position in the army. As he moved up the ranks and further along the aristocratic cursus honorum, he took on many of the most important postings in the Empire, from senior military roles in fractious Britain, the Marcomannic Wars on the Danube, to the Parthian Wars in the east. He held governorships in key provinces, and later consulships in Rome itself. When Emperor Commodus was assassinated on New Year's Eve AD 192/193, the Praetorian Guard alighted on Pertinax to become the new Emperor, expecting a pliable puppet who would favour them with great wealth. But Pertinax was nothing of the sort and when he then attempted to reform the Guard, he was assassinated. His death triggered the beginning of

the 'Year of the Five Emperors' from which Septimius Severus, Pertinax's former mentoree, became the ultimate victor and founder of the Severan Dynasty. This previously untold story brings a fascinating and important figure out of the shadows. A self made everyman, a man of principle and ambition, a role model respected by his contemporaries who styled himself on his philosophizing predecessor and sometime champion Marcus Aurelius, Pertinax's remarkable story offers a unique and panoramic insight into the late 2nd century AD Principate Empire. The first English translation with commentary of three classic Taoist texts on immortality • Translates The Jade Emperor's Mind Seal Classic, The Immortals, and The Three Treasures of Immortality • Defines the Taoist concept of immortality and examines the lives and practices of Taoists who achieved this state • Reveals the steps needed to achieve immortality in our modern society Taoist mystics claim that it is possible to achieve immortality: "Within each of us dwells the medicine to cure the affliction of mortality." Now Western readers can access the wisdom of Taoist masters on the subject of immortality through the first English translations of three classic Taoist treatises: The Jade Emperor's Mind Seal Classic; The Immortals, from the Pao P'u Tzu by Ko Hung of the Sung Dynasty; and The Three Treasures of Immortality, from the Dragon Gate Sect. The Jade Emperor's Mind Seal Classic teaches that one can attain immortality through the cultivation of the three treasures of Taoism: ching (sexual and physical energy), qi (breath and vital energy), and shen (spirit and mental energy). Chinese history is sprinkled with accounts of individuals who applied the lessons of the Jade Emperor and lived up to 200 years. Drawing on his extensive knowledge of Taoism, martial arts, and Chinese history and culture, Stuart Alve Olson accompanies his translations with informative commentary that explains the historical context of the texts as well as demonstrates the practical applications of their teachings in contemporary life.

An assessment of cancer addresses both the courageous battles against the disease and the misperceptions and hubris that have compromised modern understandings, providing coverage of such topics as ancient-world surgeries and the development of present-day treatments. Reprint. Best-selling winner of the Pulitzer Prize. Includes reading-group guide.

Just Six Numbers

Your Brain and the Neuroscience of Everyday Life

The Large, the Small and the Human Mind

At the Emperor's Table

Dark Matter, Dark Energy, and the Race to Discover the Rest of Reality

Travels at the Edge of China

The Emperor's Blades

There once lived a king who wasn't too smart He loved only clothing deep down in his heart. Didn't care for his people, their wishes and woes, Just thought about buying the fanciest clothes.

A breathtaking vision of a utopian future on Mars by one of science fiction's most renowned authors In the middle decades of the twenty-first century, the corporate powers on Earth have established a thriving colony on Mars as an alternative to life on the overpopulated, war-torn, ecologically ravaged home planet. But when the economy of EUPACUS—Earth's collective industrialized nations—collapses, all contact between the two worlds abruptly ceases, and the Martian pioneers are left to fend for themselves. Led by Tom Jeffries, a philosopher and a visionary, the colonists now face a twofold challenge: No longer supported and subsidized by Earthbound interests, they must somehow form a working planetary alliance to create a new society based firmly in freedom and fairness for all while at the same time eliminating war, hunger, hatred, environmental abuse, and other former scourges of humanity. But first and foremost, they must survive. Brian W. Aldiss, a Hugo and Nebula Award-winning Grand Master of Science Fiction, presents a vision for the future that is startling, uplifting, and endlessly exciting. Written in collaboration with noted mathematician and physicist Roger Penrose—and with essential input from international law expert Laurence Lustgarten—Aldiss's remarkable White Mars opens a window onto a relentlessly thrilling and gloriously possible tomorrow.

DivThe genesis of the universe elegantly explained in a simple theory based on just six numbers by one of the world's most renowned astrophysicists/div

Ming Da is only nine years old when he becomes the emperor of China, and his three advisors take advantage of him by stealing his stores of rice, gold, and precious stones. But Ming Da has a plan. With the help of his tailors, he comes up with a clever idea to outsmart his devious advisors: He asks his tailors to make "magical" new clothes for him. Anyone who is honest, the young emperor explains, will see the clothes' true splendor, but anyone who is dishonest will see only burlap sacks. The emperor dons a burlap sack, and the ministers can't help but fall for his cunning trick.

The Emperor's New Clothes

Shadows of the Mind

Software and Mind

The 4 Percent Universe

The Deep Forces That Shape The Universe

Do antidepressants work? Of course—everyone knows it. Like his colleagues, Irving Kirsch, a researcher and clinical psychologist, for years referred patients to psychiatrists to have their depression treated with drugs before deciding to investigate for himself just how effective the drugs actually were. Over the course of the past fifteen years, however, Kirsch's research—a thorough analysis of decades of Food and Drug Administration data—has demonstrated that what everyone knew about antidepressants was wrong. Instead of treating depression with drugs, we've been treating it with suggestion. The Emperor's New Drugs makes an overwhelming case that what had seemed a cornerstone of psychiatric treatment is little more than a faulty consensus. But Kirsch does more than just criticize: he offers a path society can follow so that we stop popping pills and start proper treatment for depression.

The Fifth-Century Political Battles That Forever Changed the Church In this fascinating account of the surprisingly violent fifth-century church, Philip Jenkins describes how political maneuvers by a handful of powerful characters shaped Christian doctrine. Were it not for these battles, today's church could be teaching something very different about the nature of Jesus, and the papacy as we know it would never have come into existence. Jesus Wars reveals the profound implications of what amounts to an accident of history: that one faction of Roman emperors and militia-wielding bishops defeated another.

BRILLIANTLY EXPLORING TODAY'S CUTTING-EDGE BRAIN RESEARCH, MIND WIDE OPEN IS AN UNPRECEDENTED JOURNEY INTO THE ESSENCE OF HUMAN PERSONALITY, ALLOWING READERS TO UNDERSTAND THEMSELVES AND THE PEOPLE IN THEIR LIVES AS NEVER BEFORE. Using a mix of experiential reportage, personal storytelling, and fresh scientific discovery, Steven Johnson describes how the brain works -- its chemicals, structures, and subroutines -- and how these systems connect to the day-to-day realities of individual lives. For a hundred years, he says, many of us have assumed that the most powerful route to self-knowledge took the form of lying on a couch, talking about our childhoods. The possibility entertained in this book is that you can follow another path, in which learning about the brain's mechanics can widen one's self-awareness as powerfully as any therapy or meditation or drug. In Mind Wide Open, Johnson embarks on this path as his own test subject, participating in a battery of attention tests, learning to control video games by altering his brain waves, scanning his own brain with a \$2 million fMRI machine, all in search of a modern answer to the oldest of questions: who am I? Along the way, Johnson explores how we "read" other people, how the brain processes frightening events (and how we might rid ourselves of the scars those memories leave), what the neurochemistry is behind love and sex, what it means that our brains are teeming with powerful chemicals closely related to recreational drugs, why music moves us to tears, and where our breakthrough ideas come from. Johnson's clear, engaging explanation of the physical functions of the brain reveals not only the broad strokes of our aptitudes and fears, our skills and weaknesses and desires, but also the momentary brain phenomena that a whole human life comprises. Why, when hearing a tale of woe, do we sometimes smile inappropriately, even if we don't want to? Why are some of us so bad at remembering phone numbers but brilliant at recognizing faces? Why does depression make us feel stupid? To read Mind Wide Open is to rethink family histories, individual fates, and the very nature of the self, and to see that brain science is now personally transformative -- a valuable tool for better relationships and better living.

A groundbreaking book explores the dynamic, emerging concept of complexity and its relationship to mathematics, physics, biology, and chemistry, and provides an arresting account of how far science has come and what to expect in the rapidly approaching future. Reprint.

The Chinese Emperor's New Clothes

The Master and His Emissary

The Search for Order in a Chaotic World

Munitions of the mind

The Roman Emperor Aurelian

Calculating the Cosmos

White Mars; or, The Mind Set Free

There was once an emperor who was only interested in one thing, his clothes. He spent all his money on his outfits and had a different one for every time of day and every occasion. One day, two thieves arrived in town pretending to be weavers who knew how to make the most beautiful and sophisticated fabrics, which had the marvellous property of only being visible to those who did their job well. It was the perfect offer for our king, who immediately placed an order. Hans Christian Andersen (1805-1875) was a Danish author, poet and artist. Celebrated for children's literature, his most cherished fairy tales include "The Emperor's New Clothes", "The Little Mermaid", "The Nightingale", "The Steadfast Tin Soldier", "The Snow Queen", "The Ugly Duckling" and "The Little Match Girl". His books have been translated into every living language, and today there is no child or adult that has not met Andersen's whimsical characters. His fairy tales have been adapted to stage and screen countless times, most notably by Disney with the animated films "The Little Mermaid" in 1989 and "Frozen", which is loosely based on "The Snow Queen", in

2013. Thanks to Andersen's contribution to children's literature, his birth date, April 2, is celebrated as International Children's Book Day.

WINNER, 2013 Hugo Award for Best Novella! From #1 New York Times bestselling author Brandon Sanderson, *The Emperor's Soul* showcases a fascinating magic system as the clock ticks down for a condemned criminal. When Shai is caught replacing the Moon Scepter with her nearly flawless forgery, she must bargain for her life. An assassin has left the Emperor Ashrahan without consciousness, a circumstance concealed only by the death of his wife. If the emperor does not emerge after his hundred-day mourning period, the rule of the Heritage Faction will be forfeit and the empire will fall into chaos. Shai is given an impossible task: to create—to Forge—a new soul for the emperor in less than one hundred days. But her soul-Forgery is considered an abomination by her captors. She is confined to a tiny, dirty chamber, guarded by a man who hates her, spied upon by politicians, and trapped behind a door sealed in her own blood. Shai's only possible ally is the emperor's most loyal councillor, Gaotona, who struggles to understand her true talent. Time is running out for Shai. Forging, while deducing the motivations of her captors, she needs a perfect plan to escape... ----- "Sanderson proves to be an exceptionally talented writer in the pages of this book. Complex as some of the background is, he never gets bogged down filling in details for the reader. Instead we learn everything we need seamlessly as the story unfolds. His prose is lyrical without ever getting in its own way ... His characters are fascinating and fully realized. ... *The Emperor's Soul* is one of those rare high fantasies that feels fresh and is filled with a sense of wonder." —Charles de Lint, *Fantasy & Science Fiction* ----- A note from the publisher: Brandon will send a free copy of this ebook to anyone who purchased the Tachyon Publications trade paperback. See the title page in the ebook preview for details.

A new edition of the bestselling classic – published with a special introduction to mark its 10th anniversary This pioneering account sets out to understand the structure of the human brain – the place where mind meets matter. Until recently, the left hemisphere of our brain has been seen as the 'rational' side, the superior partner to the right. But is this distinction true? Drawing on a vast body of experimental research, Iain McGilchrist argues while our left brain makes for a wonderful servant, it is a very poor master. As he shows, it is the right side which is the more reliable and insightful. Without it, our world would be mechanistic – stripped of depth, colour and value.

A prize-winning popular science writer uses mathematical modeling to explain the cosmos. In *Calculating the Cosmos*, Ian Stewart presents an exhilarating guide to the cosmos, from our solar system to the entire universe. He describes the architecture of space and time, dark matter and dark energy, how galaxies form, why stars implode, how everything began, and how it's all going to end. He considers parallel universes, the fine-tuning of the cosmos for life, what forms extraterrestrial life might take, and the likelihood of life on Earth being snuffed out by an asteroid. Beginning with the Babylonian integration of mathematics into the study of astronomy and cosmology, Stewart traces the evolution of our understanding of the cosmos: How Kepler's laws of planetary motion led Newton to formulate his theory of gravity. How, two centuries later, tiny irregularities in the motion of Mars inspired Einstein to devise his general theory of relativity. How, eighty years ago, the discovery that the universe is expanding led to the development of the Big Bang theory of its origins. How single-point origin and expansion led cosmologists to theorize new components of the universe, such as inflation, dark matter, and dark energy. But does inflation explain the structure of today's universe? Does dark matter actually exist? Could a scientific revolution that will challenge the long-held scientific orthodoxy and once again transform our understanding of the universe be on the way? In an exciting and engaging style, *Calculating the Cosmos* is a mathematical quest through the intricate realms of astronomy and cosmology.

The Emperor's New Mind

A history of propaganda (3rd ed.)

A Search for the Missing Science of Consciousness

The Emperor Far Away

A 21st-Century Utopia

Hans Christian Andersen Stories in Verse for Kids

Fashion, Faith, and Fantasy in the New Physics of the Universe

Everything we know about the world today follows an invisible set of rules-how we work, love, parent, spend our money, and define success. But what if we could remove these outdated ideas and start anew? What would our lives look like if we could redefine the meaning of happiness, purpose, and success? The Code of the Extraordinary Mind blends computational thinking, integral theory, modern spirituality, evolutionary biology, and a little bit of humor to provide a revolutionary framework for re-coding ourselves with new, empowering beliefs and behaviors so we can live extraordinary lives. Throughout, Vishen Lakhiani shares transformative insights from legendary thinkers including Elon Musk, Richard Branson, and Arianna Huffington, among others, helping us to think like the greatest creative minds of our era-questioning, challenging, and creating new rules for our lives. Lakhiani's 10 laws help us retrain our minds to grow and achieve more than we ever thought was possible, showing us that we do not need to follow convention and can succeed on our own terms no matter where we are starting from.

The emperor not only of fashion but also of l art de vivre, Valentino Garavani is in a class all his own. At the Emperor s Table is an invitation into his refined world of graceful and cultured living. The remarkable collection of table settings and objets d art housed in his five residences, in Gstaad, London, Rome, New York, and Paris, as well as on his yacht, evoke the grandeur in which he lives and are presented in this first-ever edition with photographs by Oberto Gili. Recipes by Mr. Garavani s personal chefs are also included and bring readers one step closer to discovering his extraordinary surroundings."

From Nobel prize-winner Roger Penrose, this groundbreaking book is for anyone "who is interested in the world, how it works, and how it got here" (New York Journal of Books). Penrose presents a new perspective on three of cosmology's essential questions: What came before the Big Bang? What is the source of order in our universe? And what cosmic future awaits us? He shows how the expected fate of our ever-accelerating and expanding universe—heat death or ultimate entropy—can actually be reinterpreted as the conditions that will begin a new "Big Bang." He details the basic principles beneath our universe, explaining various standard and non-standard cosmological models, the fundamental role of the cosmic microwave background, the paramount significance of black holes, and other basic building blocks of contemporary physics. Intellectually thrilling and widely accessible, Cycles of Time is a welcome new contribution to our understanding of the universe from one of our greatest mathematicians and thinkers.

One of the world's leading physicists questions some of the most fashionable ideas in physics today, including string theory What can fashionable ideas, blind faith, or pure fantasy possibly have to do with the scientific quest to understand the universe? Surely, theoretical physicists are immune to mere trends, dogmatic beliefs, or flights of fancy? In fact, acclaimed physicist and bestselling author

Roger Penrose argues that researchers working at the extreme frontiers of physics are just as susceptible to these forces as anyone else. In this provocative book, he argues that fashion, faith, and fantasy, while sometimes productive and even essential in physics, may be leading today's researchers astray in three of the field's most important areas—string theory, quantum mechanics, and cosmology. Arguing that string theory has veered away from physical reality by positing six extra hidden dimensions, Penrose cautions that the fashionable nature of a theory can cloud our judgment of its plausibility. In the case of quantum mechanics, its stunning success in explaining the atomic universe has led to an uncritical faith that it must also apply to reasonably massive objects, and Penrose responds by suggesting possible changes in quantum theory. Turning to cosmology, he argues that most of the current fantastical ideas about the origins of the universe cannot be true, but that an even wilder reality may lie behind them. Finally, Penrose describes how fashion, faith, and fantasy have ironically also shaped his own work, from twistor theory, a possible alternative to string theory that is beginning to acquire a fashionable status, to "conformal cyclic cosmology," an idea so fantastic that it could be called "conformal crazy cosmology." The result is an important critique of some of the most significant developments in physics today from one of its most eminent figures.

The Son of a Slave Who Became Roman Emperor

How Four Patriarchs, Three Queens, and Two Emperors Decided What Christians Would Believe for the Next 1,500 Years

Exploding the Antidepressant Myth

The Emperor's Railroad

Mind Wide Open

Restorer of the World

Jesus Wars

New edition of a classic work on the history of propaganda. Topical new chapters on the 1991 Gulf War, September 11 and terrorism. An ideal textbook for all international courses covering media and communication studies. Considers the history of propaganda and how it has become increasingly pervasive due to access to ever-complex and versatile media. Written in an accessible style and format, this book has proven its appeal to the general reader as the public becomes more and more cynical of the manipulations of the political sphere.

The leader who helped keep the Dark Ages at bay: "An excellent picture of the Crisis of the Third Century and the life and work of Aurelian" (StrategyPage). The ancient Sibylline prophecies had foretold that the Roman Empire would last for one thousand years. As the time for the expected dissolution approached in the middle of the third century AD, the empire was lapsing into chaos, with seemingly interminable civil wars over the imperial succession. The western empire had seceded under a rebel emperor, and the eastern empire was controlled by another usurper. Barbarians took advantage of the anarchy to kill and plunder all over the provinces. Yet within the space of just five years, the general, and later emperor, Aurelian had expelled all the barbarians from within the Roman frontiers, reunited the entire empire, and inaugurated major reforms of the currency, pagan religion, and civil administration. His accomplishments have been hailed by classical scholars as those of a superman, yet Aurelian himself remains little known to a wider audience. His achievements enabled the Roman Empire to survive for another two centuries, ensuring a lasting legacy of Roman civilization for the successor European states. Without Aurelian, the Dark Ages would probably have lasted centuries longer.

Global war devastated the environment, a zombie-like plague wiped out much of humanity, and civilization as we once understood it came to a standstill. But that was a thousand years ago, and the world is now a very different place. Conflict between city states is constant, superstition is rife, and machine relics, mutant creatures and resurrected prehistoric beasts trouble the land. Watching over all are the silent Dreaming Cities. Homes of the angels, bastion outposts of heaven on Earth. Or so the church claims. Very few go in, and nobody ever comes out. Until now... "Haley serves up equal helpings of horror, fantasy adventure, and SF in this stark, intriguing story of a ruined Earth where the remaining humans are determined to survive." - Publishers Weekly "Entertaining and exciting... If grim-dark is your thing, then this is a great read for you." - Bull-Spec At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

The Emperor's New Mind Concerning Computers, Minds, and the Laws of Physics Oxford University Press

The Emperor's New Drugs

On Space and Time

Quantum Space

An Extraordinary New View of the Universe

What is Life?

Western Learning and Imperial Authority During the Kangxi Reign (1662-1722)

With Mind and Matter and Autobiographical Sketches

*The author of the provocative works *The Emperor's New Mind* and *Shadows of the Mind* now presents a masterful summary of the complex ideas presented in those books, highlighting areas of research where he perceives there are major unsolved problems that strike at the heart of our understanding of the laws of physics. Illustrated with cartoons & diagrams. 3 tables. Copyright © Libri GmbH. All rights reserved.*

*"An unusually engaging book on the forces that fuel originality across fields." --Adam Grant Looking at the 14 key traits of genius, from curiosity to creative maladjustment to obsession, Professor Craig Wright, creator of Yale University's popular "Genius Course," explores what we can learn from brilliant minds that have changed the world. Einstein. Beethoven. Picasso. Jobs. The word genius evokes these iconic figures, whose cultural contributions have irreversibly shaped society. Yet Beethoven could not multiply. Picasso couldn't pass a 4th grade math test. And Jobs left high school with a 2.65 GPA. What does this say about our metrics for measuring success and achievement today? Why do we teach children to behave and play by the rules, when the transformative geniuses of Western culture have done just the opposite? And what is genius, really? Professor Craig Wright, creator of Yale University's popular "Genius Course," has devoted more than two decades to exploring these questions and probing the nature of this term, which is deeply embedded in our culture. In *The Hidden Habits of Genius*, he reveals what we can learn from the lives of those we have dubbed "geniuses," past and present. Examining the lives of transformative individuals ranging from Charles Darwin and Marie Curie to Leonardo Da Vinci and Andy Warhol to Toni Morrison and Elon Musk, Wright identifies more than a dozen drivers of genius—characteristics and patterns of behavior common to great minds throughout history. He argues that genius is about more than intellect and work ethic—it is far more complex—and that the famed "eureka" moment is a Hollywood fiction. Brilliant insights that change the world are never sudden, but rather, they are the result of unique modes of thinking and lengthy gestation. Most importantly, the habits of mind that produce great thinking and discovery can be actively learned and cultivated, and Wright shows us how. This book won't make you a genius. But embracing the hidden habits of these transformative individuals will make you more strategic, creative, and successful, and, ultimately, happier.*

Far from the glittering cities of Beijing and Shanghai, China's borderlands are populated by around one hundred million people who are not Han Chinese. For many of these restive minorities, the old Chinese adage 'the mountains are high and the Emperor far away', meaning Beijing's grip on power is tenuous and its influence unwelcome, continues to resonate. Travelling through China's most distant and unknown reaches, David Eimer explores the increasingly tense relationship between the Han Chinese and the ethnic minorities. Deconstructing the myths represented by Beijing, Eimer reveals a shocking and fascinating picture of a China that is more of an empire than a country.

Today we are blessed with two extraordinarily successful theories of physics. The first is Albert Einstein's general theory of relativity, which describes the large-scale behaviour of matter in a curved spacetime. This theory is the basis for the standard model of big bang cosmology. The discovery of gravitational waves at the LIGO observatory in the US (and then Virgo, in Italy) is only the most recent of this theory's many triumphs. The second is quantum mechanics. This theory describes the properties and behaviour of matter and radiation at their smallest scales. It is the basis for the standard model of particle physics, which builds up all the visible constituents of the universe out of collections of quarks, electrons and force-carrying particles such as photons. The discovery of the Higgs boson at CERN in Geneva is only the most recent of this theory's many triumphs. But, while they are both highly successful, these two structures leave a lot of important questions unanswered. They are also based on two different interpretations of space and time, and are therefore fundamentally incompatible. We have two descriptions but, as far as we know, we've only ever had one universe. What we need is a quantum theory of gravity. Approaches to formulating such a theory have primarily followed two paths. One leads to String Theory, which has for long been fashionable, and about which much has been written. But String Theory has become mired in problems. In this book, Jim Baggott describes "": an approach which takes relativity as its starting point, and leads to a structure called Loop Quantum Gravity. Baggott tells the story through the careers and pioneering work of two of the theory's most prominent contributors, Lee Smolin and Carlo Rovelli. Combining clear discussions of both quantum theory and general relativity, this book offers one of the first efforts to explain the new quantum theory of space and time.

10 Unconventional Laws to Redefine Your Life and Succeed on Your Own Terms

The Code of the Extraordinary Mind

Concerning Computers, Minds, and the Laws of Physics

A Biography of Cancer

The Divided Brain and the Making of the Western World, Second Edition

The Language of Chemistry or Chemical Equations

The Emperor's Soul

"Part Guardian--part Priest, Evanar Hostric is a broken mage with a dark side. Traveling to answer a mysterious offer from the Emperor, he finds himself the enemy of one of the most powerful nobles in the land. But after discovering the Archduke's secret--that he is selling children to his wealthy friends to fund a rebellion--that suits Evan just fine. Locked in a race to save those that society ignored, he is beleaguered at every step and finds himself more and more willing to do horrible things in the pursuit of right. Evanar Hostric is the Emperor's Conscience, but does that leave room for one of his own?" -- Page 4 of cover.

The Language of Chemistry or Chemical Equations

Jami explores how the emperor Kangxi solidified the Qing dynasty in 17th-century China through the appropriation of the 'Western learning', and especially the mathematics, of Jesuit missionaries. This text details not only the history of mathematical ideas, but also their political and cultural impact.

Addressing general readers as well as software practitioners, "Software and Mind" discusses the fallacies of the mechanistic ideology and the degradation of minds caused by these fallacies. Mechanism holds that every aspect of the world can be represented as a simple hierarchical structure of entities. But, while useful in fields like mathematics and manufacturing, this idea is generally worthless, because most aspects of the world are too complex to be reduced to simple hierarchical structures. Our software-related affairs, in particular, cannot be represented in this fashion. And yet, all programming theories and development systems, and all software applications, attempt to reduce real-world problems to neat hierarchical structures of data, operations, and features. Using Karl Popper's famous principles of demarcation between science and pseudoscience, the book shows that the mechanistic ideology has turned most of our software-related activities into pseudoscientific pursuits. Using mechanism as warrant, the software elites are promoting invalid, even fraudulent, software notions. They force us to depend on generic, inferior systems, instead of allowing us to develop software skills and to create our own systems. Software mechanism emulates the methods of manufacturing, and thereby restricts us to high levels of abstraction and simple, isolated structures. The benefits of software, however, can be attained only if we start with low-level elements and learn to create complex, interacting structures. Software, the book argues, is a non-mechanistic phenomenon. So it is akin to language, not to physical objects. Like language, it permits us to mirror the world in our minds and to communicate with it. Moreover, we increasingly depend on software in everything we do, in the same way that we depend on language. Thus, being restricted to mechanistic software is like thinking and communicating while being restricted to some ready-made sentences supplied by an elite. Ultimately, by impoverishing software, our elites are achieving what the totalitarian elite described by George Orwell in "Nineteen Eighty-Four" achieves by impoverishing language: they are degrading our minds.

How Mathematics Unveils the Universe

The Crowd