

At The Edge Of Uncertainty 11 Discoveries Taking Science By Surprise By Brooks Michael 2014 Paperback

Jonathan Fields knows the risks-and potential power-of uncertainty. He gave up a six-figure income as a lawyer to make \$12 an hour as a personal trainer. Then, married with a 3-month old baby, he signed a lease to launch a yoga center in the heart of New York City. . . the day before 9/11. But he survived, and along the way he developed a fresh approach to transforming uncertainty, risk of loss, and exposure to judgment into catalysts for innovation, creation, and achievement. In business, art, and life, creating on a world-class level demands bold action and leaps of faith in the face of great uncertainty. But that uncertainty can lead to fear, anxiety, paralysis, and destruction. It can cut creativity and stifle innovation. It can keep you from taking the risks necessary to do great work and craft a deeply-rewarding life. And it can bring companies that rely on innovation grinding to a halt. That is, unless you know how to use it to your advantage. Fields draws on leading-edge technology, cognitive science, and ancient awareness-focusing techniques in a fresh, practical, nondogmatic way. His approach enables creativity and productivity on an entirely different level and can turn the once-tortuous journey into a more enjoyable quest.

Uncertainty is interwoven into human existence. It is a powerful incentive in the search for knowledge and an inherent component of scientific research. We have developed many ways of coping with uncertainty. We make promises, manage risks and make predictions to try to clear the mists and predict ahead. But the future is inherently uncertain - and the mist that shrouds our path an inherent part of our journey. The burning question is whether our societies can face up to uncertainty, learn to embrace it and whether we can open up to a constantly evolving future. In this new book, Helga Nowotny shows how research can thrive at the cusp of uncertainty. Science, she argues, can eventually transform uncertainty into certainty, but into certainty which remains always provisional. Uncertainty is never completely static. It is constantly evolving. It encompasses geological time scales and, at the level of human experience, split-second changes as cells divide. Life and death decisions are taken in the blink of the eye, while human interactions with the natural environment may reveal their impact over millennia. Uncertainty is cunning. It appears at unexpected moments, it shuns the straight line, takes the oblique route and sometimes the unexpected short-cut. As we acknowledge the cunning of uncertainty, its threats retreat. We accept that any scientific inquiry must produce results that are provisional and uncertain. This message is vital for politicians and policy-makers, not least in the short-term, uncontrollable gains of the stock market, high-gain opportunities. Wide-ranging in its use of examples and enriched by the author's experience as President of the European Research Council, one of the world's leading funding organisations for fundamental research. The Cunning of Uncertainty is a must-read for students and scholars of all disciplines, politicians, policy-makers and anyone concerned with the fundamental role of knowledge and science in our societies today.

Leading the way when the way is changing. "An exuberant tour through the world of scientists behaving badly" (The New York Times). They may have a public image as cool, logical, levelheaded types. But in reality, scientists will do pretty much anything—take drugs, follow mystical visions, lie, and even cheat—to make a discovery. In Free Radicals, physicist and journalist Michael Brooks seamlessly weaves together true stories of the "mad, bad and dangerous" men and women who have revolutionized the scientific world, and offers a fast-paced and thrilling exploration of the real process behind discovery (The Times, London). Brooks also traces the cover-up back to its source: the scientific establishment's reaction to the public fear of science after World War II. He argues that it is his high time for science to come clean about just how bold and daring scientists really are. "Not all scientists are nerds. In Free Radicals, physicist Michael Brooks tries to dispel the notion that scientists are stuffy, pen-protector-polishing bookworms." —The Washington Post "Insightful. . . A page-turning, unvarnished look at the all-too-human side of science."

—Kirkus Reviews

Minority Religions and Uncertainty

Routines, Strategies and Management

Trump and America on the Edge

Uncertainty

Free Radicals

Relax, It's Only Uncertainty

108 Teachings on Cultivating Fearlessness and Compassion

Managing uncertainty and inconsistency has been extensively explored in - tificial Intelligence over a number of years. Now with the advent of massive amounts of data and knowledge from distributed heterogeneous, and potentially con?icting, sources, there is interest in developing and applying formalisms for uncertainty and inconsistency widely systems that need to better managethe data and knowledge. The annual International Conference on Scalable Uncertainty Management (SUM) has grown out of this wide-ranging interest in managing uncertainty and inconsistency in databases, the Web, the Semantic Web, and AI. It aims at bringing together all those interested in the management of large volumes of uncertainty and inconsistency, irrespective of whether they are in databases, the Web, the Semantic Web, or in AI, as well as in other areas such as information retrieval, risk analysis, and computer vision, where sign?cant computational - forts are needed. After a promising first International Conference on Scalable Uncertainty Management was held in Washington DC, USA in 2007, the c- ference series has been successfully held in Napoli, Italy, in 2008, and again in Washington DC, USA, in 2009.

How uncertainty in games—from Super Mario Bros. to Rock/Paper/Scissors—engages players and shapes play experiences. In life, uncertainty surrounds us. Things that we thought were good for us turn out to be bad for us (and vice versa); people we thought we knew well behave in mysterious ways; the stock market takes a nosedive. Thanks to an inexplicable optimism, most of the time we are fairly cheerful about it all. But we do devote much effort to managing and ameliorating uncertainty. Is it any wonder, then, asks Greg Costikyan, that we have taken this aspect of our lives and transformed it culturally, making a series of elaborate constructs that subject us to uncertainty but in a fictive and nonthreatening way? That is: we create games. In this concise and entertaining book, Costikyan, an award-winning game designer, argues that games require uncertainty to hold our interest, and that the struggle to master uncertainty is central to their appeal. Game designers, he suggests, can harness the idea of uncertainty to guide their work. Costikyan explores the many sources of uncertainty in many sorts of games—from Super Mario Bros. to Rock/Paper/Scissors, from Monopoly to CityVille, from FPS Deathmatch play to Chess. He describes types of uncertainty, including performative uncertainty, analytic complexity, and narrative anticipation. And he suggest ways that game designers who want to craft novel game experiences can use an understanding of game uncertainty in its many forms to improve their designs.

Why is uncertainty so important to politics today? To explore the underlying reasons, issues and challenges, this book's chapters address finance and banking, insurance, technology regulation and critical infrastructures, as well as climate change, infectious disease responses, natural disasters, migration, crime and security and spirituality and religion. The book argues that uncertainties must be understood as complex constructions of knowledge, materiality, experience, embodiment and practice. Examining in particular how uncertainties are experienced in contexts of marginalisation and precarity, this book shows how sustainability and development are not just technical issues, but depend deeply on political values and choices. What burgeoning uncertainties require lies less in escalating efforts at control, but more in a new - more collective, mutualistic and convivial - politics of responsibility and care. If hopes of much-needed progressive transformation are to be realised, then technically blinkered understandings of uncertainty need to be met with renewed democratic struggle. Written in an accessible style and illustrated by multiple case studies from across the world, this book will appeal to a wide cross-disciplinary audience in fields ranging from economics to law to science studies to sociology to anthropology and geography, as well as professionals working in risk management, disaster risk reduction, emergencies and wider public policy fields.

Call it existential doubt. Call it ?the dark night of the soul.? However you term it, God-working is a spiritual phenomenon endemic to the Christian experience, suffered by saints from Mother Theresa, St. John of the Cross, and Therese of Lisieux to lesser-known Christians throughout history. In fact, there may be something of this God-doubting in nearly all of us. ?Faith at the Edge is for those doubters, believers struggling with their faith within the Christian tradition, not for the skeptics and seekers who lie outside it. It is for those who experience uncertainty about faiths to which they have been committed, but who now wonder whether it's? true. This doubt is very personal and deeply disturbing, exemplified when God seems remote, when he is experientially absent, when his very existence seems uncertain, when everything one believes as a Christian is called into serious question. / Robert Wennberg here explores the important questions of existential doubt. What causes our sense of divine absence? Are we at fault, or is there some other explanation for our uncertainty? Why does God allow this to happen? How should we respond? Wennberg answers these and other provocative questions both through personal illustrations and through the wisdom and insight of such figures as Blaise Pascal, G. Chesterton, Simone Weil, C. S. Lewis, and Martin Marty. He lays out a credible theological account of what happens during doubt. He further helps us understand how we can cope with these dark episodes and how we can not only stand against them, but even profit from them spiritually.

—Kirkus Reviews

The Secret Anarchy of the Mind

13 Things That Don't Make Sense

Lead the Way when the Way is Changing

Living Beautifully

Comfortable with Uncertainty

Willful Ignorance

Tama Kieves--inspirational coach, career transition expert and author of Inspired & Unstoppable--guides you through life's uncertain times, helping you discover the blessings within difficulties. Tama Kieves knows a thing or two about dramatic changes. After graduating from Harvard Law School with honors, Tama left an unfulfilling life at a prestigious corporate law firm to pursue her passion and make a name for herself as a writer and inspirational speaker. Now, she dedicates her time to helping people face their fears, tackle uncertainty, and shift their mindset to achieve the extraordinary in their own lives. This book isn't just about getting through life changes, it'll teach you to use that change and uncertainty as a launching pad for joy. Thriving Through Uncertainty proves that the moment your plans fall apart is precisely when your true destiny begins. With Tama's guidance, you can take hold of the blessings and opportunities hidden within uncertain transitional periods and begin to move forward. Weaving together practical exercises and techniques along with anecdotes from Tama's own experiences, you'll master key lessons like: -How to control your mindset and mood to stay focused and happy -Having faith in yourself and your journey -Allowing yourself to feel pain and discomfort -Continuing to thrive through future obstacles, and much more. Packed with heartfelt and dynamic guidance, this supportive, inspiring book will make you feel as if you've attended several sessions with Tama herself.

This title brings together work on embodiment, action, and the predictive mind. At the core is the vision of human minds as prediction machines - devices that constantly try to stay one step ahead of the breaking waves of sensory stimulation, by actively predicting the incoming flow. In every such encounter, that complex prediction machinery is already buzzing, proactively trying to anticipate the sensory barrage. The book shows in detail how this strange but potent strategy of self-anticipation ushers perception, understanding, and imagination simultaneously onto the cognitive stage.

Religions are at their core about creating certainty. But what happens when groups lose control of their destiny? Whether it leads to violence, or to nonviolent innovations, as found in minority religions following the death of their founders or leaders, uncertainty and insecurity can lead to great change in the mission and even teachings of religious groups. This book brings together an international range of contributors to explore the uncertainty faced by new and minority religious movements as well as non-religious fringe groups. The groups considered in the book span a range of religious traditions (Christianity, Buddhism, Hinduism, Islam), old and new spiritual formations such as esotericism, New Age and organized new religious movements, as well as non-religious movements including the straight edge movement and the British Union of Fascists. The chapters deal with a variety of contexts, from the UK and US, to Japan and Egypt, with others discussing global movements. While all the authors deal with twentieth- and twenty-first-century movements and issues, several focus explicitly on historical cases or change over time. This wide-ranging, yet cohesive volume will be of great interest to scholars of minority religious movements and non-religious fringe groups working across religious studies, sociology and social psychology.

Science starts to get interesting when things don't make sense.Even today there are experimental results that the most brilliant scientists can neither explain nor dismiss. In the past, similar anomalies have revolutionised our world: in the sixteenth century, a set of celestial irregularities led Copernicus to realise that the Earth goes around the sun and not the reverse. In 13 Things That Don't Make Sense Michael Brooks meets thirteen modern-day anomalies that may become tomorrow's breakthroughs. Is ninety six percent of the universe missing? If no study has ever been able to definitively show that the placebo effect works, why has it become a pillar of medical science? Was the 1977 signal from outer space a transmission from an alien civilization? Spanning fields from chemistry to cosmology, psychology to physics, Michael Brooks thrillingly captures the excitement and controversy of the scientific unknown.

Thinking Futures

Engaging for Recurrent Creation 'At the Edge'

Notebook with Unique Golden Marble Touch| Knowledge Quotes | Journal and Notebook | 120 Pages 6"x9"

Uncertainty and Surprise in Complex Systems

Knowledge Is an Unending Adventure at the Edge of Uncertainty. -Jacob Bronowski

Challenges of Transformation

Innovation Insights from the Frontiers of Food

This book is an examination of the current unease and uncertainty in America at the beginning of the Trump era.

Why this enduring economics text provided the theoretical basis of the entrepreneurial American economy during the post-industrial era. A revolutionary work, it taught the world how to systematically distinguish between risk and uncertainty. Alvin Yorkston, 1820 Lady Radbourne, thought being a countess would secure her from poverty. Unfortunately, her young groom failed to plan for the future, and his drunken accident left her widowed and pregnant. Now Colonel Winwood Vaughan—“Win—will inherit her late husband’s fortune...unless she gives birth to a boy. Win is her natural enemy, so why can’t she stop thinking about him? Win is stumped to learn he stands to inherit a vast fortune. He’s even more surprised to find himself falling for the beautiful, spirited Lady Radbourne, who is the one woman who stands in the way of a life he’d only imagined. When someone tries to poison Lady Radbourne, suspicion falls on Win. There’s a clever killer in their midst, and if Win doesn’t solve the mystery fast, Lina may perish. But how can he prove it’s she wants, and not the fortune? 86,000 words

Drawing on the amazing story of Shackleton and his polar exploration team’s survival against all odds, author Dennis N. T. Perkins demonstrates the importance of a strong leader in times of adversity, uncertainty, and change. Port adventure tale and part leadership guide. Leading at the Edge uncovers what the legendary Antarctic adventure of Sir Ernest Shackleton, his ship Endurance, and his team of twenty-seven polar explorers can teach us about bringing order to chaos through true leadership. Among other skills, you’ll learn how to: instill optimism while staying grounded in reality, step up to risks worth taking, consistently reinforce your team message, set a personal example, find things to celebrate, laugh small things off, and—even in the face of extreme temperatures, hazardous ice, scarce food, and complete isolation—never give up. This second edition of Leading at the Edge features additional lessons, new case studies of the strategies in action, tools to uncover and resolve conflicts, and expanded resources. An updated epilogue compares the leadership styles of the famous polar explorers Shackleton, Amundsen, and Scott, which transcend the one-hundred-plus years since their historic race to the South Pole to help today’s leaders learn valuable lessons about the meaning of true success.

Thriving Through Uncertainty

The Uncertainty Mindset

Moving Beyond Fear of the Unknown and Making Change Work for You

A Book for Daughters

Extremism and the Psychology of Uncertainty

Optimization Under Uncertainty with Applications to Aerospace Engineering

Scalable Uncertainty Management

In an expanding world with limited resources, optimization and uncertainty quantification have become a necessity when handling complex systems and processes. This book provides the foundational material necessary for those who wish to embark on advanced research at the limits of computability, collecting together lecture material from leading experts across the topics of optimization, uncertainty quantification and aerospace engineering. The aerospace sector in particular has stringent performance requirements on highly complex systems, for which solutions are expected to be optimal and reliable at the same time. The text covers a wide range of techniques and methods, from polynomial chaos expansions for uncertainty quantification to Bayesian and Imprecise Probability theories, and from Markov chains to surrogate models based on Gaussian processes. The book will serve as a valuable tool for practitioners, researchers and PhD students.

“There are words that are so familiar they obscure rather than illuminate the things they mean, and ‘learning’ is such a word. It seems so ordinary, everyone does it. Actually it’s more of a black box, which Dehaene cracks open to reveal the awesome secrets within.”—The New York Times Book Review *An illuminating dive into the latest science on our brain’s remarkable learning abilities and the potential of the machines we program to imitate them* *The human brain is an extraordinary feat of engineering. It’s ability to reprogram itself is unparalleled, and it remains the best source of inspiration for recent developments in artificial intelligence. But how do we learn? What innate biological foundations underlie our ability to acquire new information, and what principles modulate their efficiency? In How We Learn, Stanislas Dehaene finds the boundary of computer science, neurobiology, and cognitive psychology to explain how learning really works and how to make the best use of the brain’s learning algorithms in our schools and universities, as well as in everyday life and at any age.*

Dealing effectively with uncertainty requires today’s project manager to be familiar with a broad spectrum of strategies, encompassing both ‘hard’ and ‘soft’ methods. This theme of unified thinking (i.e. the need to selectively draw upon a wide range of strategies in any given situation) will differentiate the book from its contemporaries. By picking up where traditional risk management techniques begin to fail, it brings together leading-edge thinking from a variety of disciplines and shows how these techniques can be used to conquer uncertainty in projects. The ability to make good decisions when faced with uncertainty is the real challenge. It is a universal truth that a decision is only as good as the information it is based on. But good information is often hard to come by, and all projects are vulnerable to the unknown and the unknowable. Thus, uncertainty becomes the sworn enemy of the project manager. Wherever we try to analyse, quantify, plan and act, uncertainty lies in wait to surprise us with its ambiguity and unpredictability. It lurks in every stage of the project lifecycle: in the planning (how long will this really take?), the initiation (this isn’t the situation I expected?), the execution (who could have foreseen that happening?), and even the completion of a project (where are the expected benefits?). But managing uncertainty is a lot more than just applying risk management techniques. It requires a deep appreciation of how uncertainty arises and, by recognising its different guises, the appropriate strategies can be formulated. If we can learn how to reduce uncertainty, we can make better management decisions and increase the chances of the project succeeding. This book addresses five key questions: e Why is there uncertainty in projects? e How do you spot the symptoms of uncertainty, preferably at an early stage? e What can be done to avoid uncertainty? e How can you deal with project uncertainty? e How can both the individual and the organisation learn to cope more effectively in the future? The reader is assumed to be a either a project management professional, or a senior manager looking for ways to improve project management strategy within their organisation. As such, a foundation in project management basics is assumed, although not essential. The book then builds on this by exposing new ideas and concepts, and shows how these can be harnessed to tackle uncertainty in its many guises.

Innovation is how businesses stay ahead of the competition and adapt to market conditions that change in unpredictable and uncertain ways. In the first decade of the twenty-first century, higher end cuisine underwent a profound transformation. Once an industry that prioritized consistency and reliability, it turned into one where constant change was a competitive necessity. A top restaurant’s reputation and success have become so closely bound up with its ability to innovate that a new organizational form, the culinary research and development team, has emerged. The best of these R&D teams continually expand the frontiers of food—they invent a constant stream of new dishes, new cooking processes and methods, and even new ways of experiencing food. How do they achieve this nonstop novelty? And what can culinary research and development teach us about how organizations innovate? Vaughn Tan opens up the black box of elite culinary R&D to provide essential insights. Drawing on years of unprecedented access to the best and most influential culinary R&D teams in the world, he reveals how they exemplify what he calls the uncertainty mindset. Such a mindset intentionally incorporates uncertainty into organization design rather than simply trying to reduce risk. It changes how organizations hire, set goals, and motivate team members and leads organizations to work in highly unconventional ways. A revelatory look at the R&D kitchen, The Uncertainty Mindset unveils conventional wisdom about how to organize for innovation and offers practical insights for businesses trying to become innovative and adaptable.

Uncertainty at the Water’s Edge

Leadership Lessons from the Extraordinary Saga of Shackleton’s Antarctic Expedition

Beautiful Uncertainty

Strategy at the Edge of Complexity and Uncertainty

4th International Conference, SUM 2010, Toulouse, France, September 27-29, 2010, Proceedings

The Politics of Uncertainty

How We Learn

An original account of willful ignorance and how this principle relates to modern probability and statistical methods Through a series of colorful stories about great thinkers and the problems they chose to solve, the author traces the historical evolution of probability and explains how statistical methods have helped to propel scientific research. However, the past success of statistics has depended on vast, deliberate simplifications amounting to willful ignorance, and this very series now threatens future advances in medicine, the social sciences, and other fields. Limitations of existing methods result in frequent reversals of scientific findings and recommendations, to the consternation of both scientists and the lay public. Willful Ignorance: The Mismeasure of Uncertainty exposes the fallacy of regarding probability as the full measure of our uncertainty. The book explains how statistical methodology, though enormously productive and influential over the past century, is approaching a crisis. The deep and troubling divide between qualitative and quantitative modes of research, and between research and practice, are reflections of this underlying problem. The author outlines a path toward the re-engineering of data analysis to help close these gaps and accelerate scientific discovery. Willful Ignorance: The Mismeasure of Uncertainty presents essential information and novel ideas that should be of interest to anyone concerned about the future of scientific research. The book is especially pertinent for professionals in statistics and related fields, including practicing and research clinicians, biomedical and social science researchers, business leaders, and policy-makers.

To seek, pursue, and fall in love with Jesus with radical abandon. Single Woman Mandy Hale shares with readers what can happen in their lives by praying this powerful prayer. She has shown women how important it is to be secure in singleness by being smart, strong, and independent. In this all new book, she will prompt readers to never settle and not miss out on the beauty that can be found in times of "waiting." The Single Woman Says: "Whether you're idling in stubborn sinfulness or walking in seeming never-ending singleness or living with any sort of waiting: Waiting for love, waiting for babies, waiting for marriage, waiting for a cure, or a miracle, or a sign, or for GOD . . . I hope my journey will make the wait a little easier and the uncertainty a little bit more beautiful." Starting with relationships, but going beyond into areas like career, friendships, and life, Mandy will guide readers through what you can achieve if you look beyond your current circumstances, never settle for less than what God has for you, and find beauty in the waiting.

Complexity science has been a source of new insight in physical and social systems and has demonstrated that unpredictability and surprise are fundamental aspects of the world around us. This book is the outcome of a discussion meeting of leading scholars and critical thinkers with expertise in complex systems sciences and leaders from a variety of organizations, sponsored by the Prigogine Center at The University of Texas at Austin and the Plexus Institute, to explore strategies for understanding uncertainty and surprise. Besides contributions to the conference, it includes a key digest by the editors as well as a commentary by the late noble laureate Ilya Prigogine, "Surprises in half of a century". The book is intended for researchers and scientists in complexity science, as well as for a broad interdisciplinary audience of both practitioners and scholars. It will not serve those interested in the research issues and in the application of complexity science to physical and social systems.

What if we could learn to accept I don't know and embrace the possibility that the future is full of mystery, excitement, and unlimited opportunity? The Art of Uncertainty is an invitation to the reader to consider its essential message: learning to love the unknown by staying present in the moment. If the difficulties of recent years have taught us anything—particularly those who "did everything right" and still saw it all fall apart—it's that none of us has as much control over our lives as we believe. The only thing we can control is our next thought. What if we could learn how to be at peace with uncertainty and embrace the possibility that the future is full of mystery, excitement, and unlimited opportunity? What if we discovered that a new paradigm can be more fulfilling, more rewarding, and more peaceful than what we have known? Living in the I don't know and loving it is an art form we can all master, and The Art of Uncertainty is the perfect guidebook.

Uncertainty, Information Management, and Disclosure Decisions

How to Live in the Mystery of Life and Love It

Leading at The Edge

Towards Perception Based Knowledge Media for Product Innovation Teams

An Heir of Uncertainty

Finding Beauty in Mystery, Reclaiming Truth from the Myth of Certainty

Leading Your Organization through Uncertain Times

A Beautiful gift for Christmas, Mother's Day, Birthdays or anytime! Or why not? a special notebook just for you, because ... You Deserve it, take our experience and knock knock knock, open your Door to Us) This volume integrates scholarly work on disclosure and uncertainty with the most up-to-date, cutting-edge research, theories, and applications. Uncertainty is an ever-present part of human relationships, and the ways in which people reduce and/or manage uncertainty involves regulating their communication with others through revealing and concealing information. This collection is devoted to collating knowledge in these areas, advancing theory and presenting work that is socially meaningful. This work includes contributions from renowned scholars in interpersonal uncertainty and information regulation, focusing on processes that bridge boundaries within and across disciplines, while maintaining emphasis on interpersonal contexts. Disciplines represented here include interpersonal, family, and health communication, as well as relational and social psychology. Key features of the volume include: comprehensive coverage integrating the latest research on disclosure, information seeking, and uncertainty a highly theoretical context, socially meaningful in nature (applied to real-world contexts) an interdisciplinary approach that crosses sub-fields within communication. This volume is a unique and timely resource for advanced study in interpersonal, health, or family communication. With its emphasis on theory, the book is an excellent resource for graduate courses addressing theory and/or theory construction, and it will also appeal to scholars interested in applied research.

Inspired by the Buddhist tradition of the 108-day retreat, a Tibetan Buddhist nun offers instruction and meditations for achieving compassion and awareness in everyday living. Jonathan Fields knows the risks-and potential power-of uncertainty. He gave up a six-figure income as a lawyer to make \$12 an hour as a personal trainer. Then, married with a 3-month old baby, he signed a lease to launch a yoga center in the heart of New York City. . . the day before 9/11. But he survived, and along the way he developed a fresh approach to transforming uncertainty, risk of loss, and exposure to judgment into catalysts for innovation, creation, and achievement. Properly understood and harnessed, fear and uncertainty can become fuel for creative genius rather than sources of pain, anxiety, and suffering. In business, art, and life, creating on a world-class level demands bold action and leaps of faith in the face of great uncertainty. But that uncertainty can lead to fear, anxiety, paralysis, and destruction. It can cut creativity and stifle innovation. It can keep you from taking the risks necessary to do great work and craft a deeply-rewarding life. And it can bring companies that rely on innovation grinding to a halt. That is, unless you know how to use it to your advantage. Fields draws on leading-edge technology, cognitive-science and ancient awareness-focusing techniques in a fresh, practical, non-dogmatic way. His approach enables creativity and productivity on an entirely different level and can turn the once-tortuous journey into a more enjoyable quest. Fields will reveal how to: Make changes to your workflow that unlock buried creative potential. Build "creation hubs" -- supportive groups that can supercharge and humanize the process. Tap social technology and use it to clarify, communicate, and sanity, even if you're an artist or solo-creator. Develop a set of personal practices and mindset shifts that let you not just tolerate, but invite and even amplify, uncertainty as a catalyst for genius. Drawing on extensive case studies and research, Fields shares a set of detailed personal practices and environmental changes that can not only humanize the creative process, but also allow individuals and teams to stay more open to opportunity and play a bigger creative game.

Social Theories of Risk and Uncertainty

Turning Fear and Doubt into Fuel for Brilliance

Peace at the Edge of Uncertainty

With Uncertainty and Change

Theories and Applications

Why Brains Learn Better Than Any Machine . . . for Now

The Transformation Myth

The empirical discipline of routines, strategies and management allows companies to successfully move forward within their industries. This book contributes to a coherent conceptualisation of strategy, organization and management from a practice perspective, identifying strategy as realized in the action. Simon Grand provides a theoretical framework and detailed exploration in the context of two attractive empirical cases. He discusses topics such as theorizing routine dynamics, managerial engagement and managing routines as strategies to provide a detailed exploration of the importance of organizational routines for strategy. This book will be of interest to researchers in the areas of organizational studies, strategic management, technological innovation and the creative industries. The empirical case studies will also be of use to students and scholars of various disciplines. Throughout the economic and social upheaval of the last decade, thinking about our future has proven to be a practice of vital importance. A thorough assessment of the future offers us a steady base from which to put in place sustainable policies. This domain of thinking futures relies on multidisciplinary research on leadership, strategy and decision-making amidst turbulent and uncertain circumstances. To this end, Thinking Futures offers insights into the development of proactive measures. Secondly, it suggests promising strategies for the introduction of future thinking into organizations and international policy. Thinking Futures provides us with an indispensable source of inspiration to managers, policy makers, entrepreneurs, politicians, or simply anyone willing to shape our societal future. "An essential book for anyone concerned for our future." Herman H. Rompuy, former President of the European Council. "The strategic debate on leadership should be the Alpha and Omega for current leadership. This important book could urge them to take action." Herman H. P. Wijnfelds, professor, economist, banker, executive director of the World Bank (2006–2009).

A work of fiction which touches on genetics and the environment, and the concept of time in terms of both quantum physics and nostalgia. The book is not a work of science fiction in the traditional sense but rather a work of fiction involving factual science. Although the main events take place today, in Manchester and Venice, there are others from the 1950s and '60s in Manchester. The story opens with a strange find by two children in Manchester during the 1950s. The scene changes to today and a chance meeting between strangers, one the daughter of one of the children. The world of DNA and the environment is discussed and events move to the city of Venice and two failed scientific experiments. Readers are reminded of the mechanisms of Nature and the concept 'time', and warned of the dangers of trying to interfere with them. How companies can adapt in an era of continuous disruption: a guide to responding to such acute crises as COVID-19. When COVID-19 hit, businesses had to respond almost instantaneously—shifting employees to remote work, repairing broken supply chains, keeping pace with dramatically fluctuating customer demand. They were forced to adapt to a confluence of multiple disruptions inextricably linked to a longer-term, ongoing digital disruption. This book shows that companies that use disruption as an opportunity for innovation emerge from it stronger. Companies that merely attempt to "weather the storm" until things go back to normal miss the opportunity to thrive. The authors, all experts on business and technology strategy, show that transformation is not a one-and-done event, but a continuous process of adapting to a volatile and uncertain environment. Drawing on five years of research into digital disruption—including a series of interviews with business leaders conducted during the COVID-19 crisis—they offer a framework for understanding disruption and tools for navigating it. They outline the leadership traits, business principles, technological infrastructure, and organizational building blocks essential for adapting to disruption, with examples from real-world organizations. Technology, they remind readers, is not an end in itself, but enables the capabilities essential for surviving an uncertain future: nimbleness, scalability, stability, and optionality.

Uncertainty in Games

Surfing Uncertainty

The Cunning of Uncertainty

Faith at the Edge

Managing Project Uncertainty

Information Management at the Edge of Uncertainty

Reclaiming Truth from the Myth of Certainty

Extremism and the Psychology of Uncertainty showcases cutting-edge scientific research on the extent to which uncertainty may lead to extremism. Contributions come from leading international scholars who focus on a wide variety of forms, facets and manifestations of extremist behavior. Systematically integrates and explores the growing diversity of social psychological perspectives on the uncertainty extremism relationship Showcases contemporary cutting edge scientific research from leading international scholars Offers a broad perspective on extremism and focuses on a wide variety of different forms, facets and manifestations Accessible to social and behavioral scientists, policy makers and those with a genuine interest in understanding the psychology of extremism

The author of the Are the Arts and The Fine Arts of Andrew Brailey comes the heart-breaking story of a boy who believes the universe is slowly shrinking as things he remembers are being erased from others' memories. Tommy and Ozzie have been best friends since the second grade, and boyfriends since eighth. They spent countless days dreaming of escaping their small town—and then Tommy vanished. More accurately, he ceased to exist, erased from the minds and memories of everyone who knew him. Everyone except Ozzie. Ozzie doesn't know how to navigate life without Tommy, and soon he suspects that something else is going on: that the universe is shrinking. When Ozzie is paired up with new student Calvin on a physics project, he begins to wonder if Calvin could somehow be involved. But the more time they spend together, the harder it is for him to deny the feelings developing between them, even if he still loves Tommy. But Ozzie knows there isn't much time left to find Tommy—that once the door closes, it can't be opened again. And he's determined to keep it open as long as it takes to get his boyfriend back.

The atom. The Big Bang. DNA. Natural selection. All are ideas that have revolutionized science—and all were dismissed out of hand when they first appeared. The surprises haven't stopped in recent years, and in At the Edge of Uncertainty, bestselling author Michael Brooks investigates the new wave of radical insights that are shaping the future of scientific discovery.À Brooks takes us to the extreme frontiers of what we understand about the world. He journeys from the observations that might rewrite our story of how the cosmos came to be, through the novel biology behind our will to live, and on to the physiological root of consciousness. Along the way, he examines how it's time to redress the gender imbalance in clinical trials, explores how merging humans with other species might provide a solution to the shortage of organ donors, and finds out whether the universe really is like a computer or if the flow of time is a mere illusion.

In this story told in the first-person form of a letter from a middle-aged man to his deceased father, Hanson invites us to journey with him through the final days of the father's life, finding a magical transition waiting at the end of that journey. The story weaves end-of-life reality and spiritual questioning into a sensitive and revealing tapestry of truth and wisdom.

At the Edge of the Universe

The Art of Uncertainty

Questions on Working with the Unexpected

An Introduction

Risk, Uncertainty and Profit

The Mismeasure of Uncertainty

Social Disorder and Uncertainty in the Trump Era

Written by leading experts in the field, Social Theories of Risk and Uncertainty is an introduction to mainstream theorizing on risk and uncertainty in sociology. Provides an overview of the historical developments and conceptual aspects of risk identifies why theorizing on risk is necessary and highlights specific sociological contributions to this field of research Explores key topics including risk society and reflexive modernization, culture and risk, governmentality and risk, systems theory and risk, and edgework and voluntary risk taking Offers a comprehensive look at the promises, pitfalls, and perspectives of risk theorizing

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