An Uncertain Safety

Floods and fires, food safety, hazardous materials, infectious diseases, and many other threats to public health and the environment call for ongoing public alertness. However, the ways in which these safety risks are currently assessed and managed fall short in addressing the uncertainties of future threats. In this vital report, the Netherlands Scientific Council for Government Policy provides an exhaustive overview of the political, economic, and ethical dimensions of various risks and the safety policies aimed at reducing them.

This book addresses the psychosocial and medical issues of forced migration due to war, major disasters and political as well as climate changes. The topics are discussed in the context of public health and linked to organizational, legal and practical strategies that can offer guidance to professionals, as well as governmental and non-governmental organizations. Both internal and international displacement present substantial challenges that require new solutions and integrated approaches. Issues covered include an overview of current health challenges in the new refugee crises: medicine and mental health in disaster areas, long-term displacement and mental health, integration of legal, medical, social and health economic issues, children and unaccompanied minors, ethical challenges in service provision, short and long-term issues in host countries, models of crises intervention, critical issues, such as suicide prevention, new basic and “minimal” intervention models adapted to limited resources in psychosocial and mental health care, rebuilding of health care in post-disaster/conflict countries, training and burn-out prevention. The book was developed in collaboration with the World Psychiatric Association, and is endorsed by Fabio Grandi (UN High Commissioner for Refugees), Manfred Nowak (former UN Special Rapporteur for Torture), and Jorge Aroche (President of IRCT).

Risk and Uncertainty in Dam Safety, is an authoritative, comprehensive, valuable and welcome contribution to dam safety practices. Through the presentation of a systematic and integrated process, it assists the dam owner in evaluating the needs for dam safety improvement, selecting and prioritizing remedial and corrective actions, and improving the operation, maintenance and surveillance procedures. The book is a result of the unique cooperation among experienced and knowledgeable dam owners, dam safety managers and engineers, and experts in the theoretical basis for risk assessment.

This book compiles recent advances of evolutionary algorithms in dynamic and uncertain environments within a unified framework. The book is motivated by the fact that some degree of uncertainty is inevitable in characterizing any realistic engineering systems. Discussion includes representative methods for addressing major sources of uncertainties in evolutionary computation, including handle of noisy fitness functions, use of approximate fitness functions, search for robust solutions, and tracking moving optimums.

Safety Science Research: Evolution, Challenges and New Directions provides a unique perspective into the latest developments of safety science by putting together, for the first time, a new generation of authors with some of the pioneers of the field. Forty years ago, research traditions were developed, including, among others, high-reliability organisations, cognitive system engineering or safety regulations. In a fast-changing world, the new generation introduces, in this book, new disciplinary insights, addresses contemporary empirical issues, develops new concepts and models while remaining critical of safety research practical ambitions. Their ideas are then reflected and discussed by some of the pioneers of safety science. Features Allows the reader to discover how contemporary safety issues are currently framed by a new generation of researchers, brought together for the first time Includes an introduction and guide

to the development of safety science over the last four decades Features an extraordinary collection of expert contributors, including pioneers of safety research, reflecting the evolution of the discipline and offering insightful commentary on the current and future state of the field Serves as an invaluable reference and guide for safety professionals and students from any established disciplines such as sociology, engineering, psychology, political science or management as well as dedicated safety programmes Some figures in the eBook are in colour

Ensuring the population's physical safety is one of the core tasks of any government. In general, a government is typically held accountable for safe handling of hazardous substances, food safety, flood protection, controlling and preventing infectious diseases, as well as managing risks engendered by new technologies. In 2011, the Dutch Ministry of the Interior asked the Scientific Council for Government Policy to investigate the development of a generic risk policy in relation to physical safety. This work contains the Council's survey and recommendations for good governance in the area of general public safety.

Corporate responsibility can be judged by examining in detail how actual companies in pursuing the profit motive confer broad and measurable benefits to society. This is a reprint.

Climate change highlights the challenges for long-term policy making in the face of persistent and irreducible levels of uncertainties. It calls for the development of flexible approaches, innovative governance and other elements that contribute to effective and adaptive decision-making. Exploring these new approaches is also a challenge for those involved in climate researc and development of adaptation policy. The book provides a dozen real-life examples of adaptation decision making in the form of case studies: · Water supply management in Portugal, England and Wales and Hungary · Flooding, including flood risk in Ireland, coastal flooding and erosion in Southwest France, and flood management in Australia’s Hutt River region · Transport and utilities, including the Austrian Federal railway system, public transit in Dresden, and Québec hydro-electric power · Report

examining communication of large numbers of climate scenarios in Dutch climate adaptation workshops.

Uncertain Risks Regulated compares various models of risk regulation in order to understand how these systems shape the relationship between law and science, and how they attempt to overcome public distrust in science-based decision-making. The book contributes to the ongoing debate relating to uncertainty and risks - and the difficulties faced by the European Union in particular - in regulating theses issues, taking account of both national and international constraints. The term 'uncertain risk' is comparable with notions of hazard and indeterminate risk, as deployed within the social sciences; but it also aims to capture the modern regulatory reality that a non-quantifiable hazard must still be addressed by society, law and its regulators. Decisions must be taken in the face of uncertainty. And, whilst it is not possible to provide clear cut models of risk regulation, in focusing on regulatory practices at a national, EU and international level, the contributors to this volume aim to use fact finding as a core instrument of learning for risk regulation.

Investing in an Uncertain Economy For Dummies provides investors with focused, individualized investment strategies that enable them to conquer indecision and protect and strengthen their current financial holdings. With advice from 200 top independent financial advisors, empowered readers can make effective asset allocation decisions in the face of volatile markets.

This work seeks to understand why a disproportionately large number of third class passengers, particularly women and children, died during the sinking of the Titanic in relation to the first and second classes. It examines the gender, class, social, and cultural factors that influenced this disparity. It aims to uncover both why and how five hundred and thirty one third class passengers died on the night of April 14th 1912. A key area of focus is the difficult relationship between the ship's authorities and the men of the third class, and the extent to which this determined the fate of passengers during the rescue efforts. The introduction asks 'Who were the third class passengers?' and uses ethnic and economic backgrounds to suggest the third class belonged to the 'Old Immigration' wave of migrants, rather than the contemporary 'New Immigration' of the first and second. The first chapter concerns the exclusion of third class narratives in the 'popular story' of the Titanic. Chapters two through seven determine the whereabouts of the third class during every stage of evacuation, and flags the discrepancies in testimonies from both the British and American inquiries. Chapter eight provides a conclusion, which claims the 'popular story' includes a great many falsehoods with regard to the third class - including their treatment by crew, their behaviours, and their survival rates. The first appendix tables nationalities into regions; the second outlines the twenty routes to the lifeboats, as testified by one of the Titanic design architects; and the third provides deck plans for every level of the ship.

This is the official record of the International Symposium on "The Role of Nuclear Engineering for an Uncertain Future" which was held on No vember 5 and 6, 1980, at Keidanren Hall in Tokyo, in connection with the 20th Anniversary of the Nuclear Engineering Department, Faculty of Engineering, University of Tokyo. Eight specialists from all over the world were invited to

contribute papers to the symposium, and the professors of our Department presented a paper each. The Symposium was divided into seven sessions, chaired by profes sors of the Department according to their specialties. About 200 scientists attended the symposium, and some of them joined the discussions. The symposium was fruitful and very successful from every point of view, and highly evaluated by the attendants as well as by con cerned people outside. This success is due to the successful organizati and good performance of the staff of this symposium, to whom I would like to express my grat itude. I also hope that these proceedings will be useful to the specialists who are concerned with the uncertain future of nuclear engineering as well as with the role of Universities in that future.

Protect Yourself in An Uncertain World is a practical and useful tool for today's business person -- domestic and international. The author has effectively condensed an array of security information into a hard-hitting, need-to-know resource guide for keeping your company -- and yourself -- safe. Whether you are responsible for the safety of others or simply want to survive unscathed in an increasingly violent world, this book will provide you with the information you need to create an effective, workable security program for yourself and your company. Protect Yourself in An Uncertain World is exceptionally easy to peruse for both those who contemplate a trip abroad for any reason or for those who hold positions of responsibility at home that could make them targets of nefarious actions. Sometimes just being a business person -- or married to one -- or being in the wrong place at the wrong time can threaten your safety. In these circumstances, it's essential that you know how to minimize your vulnerability and head off security threats.

Elicitation is the process of extracting expert knowledge about some unknown quantity or quantities, and formulating that information as a probability distribution. Elicitation is important in situations, such as modelling the safety of nuclear installations or assessing the risk of terrorist attacks, where expert knowledge is essentially the only source of good information. It also plays a major role in other contexts by augmenting scarce observational data, through the use

of Bayesian statistical methods. However, elicitation is not a simple task, and practitioners need to be aware of a wide range of research findings in order to elicit expert judgements accurately and reliably. Uncertain Judgements introduces the area, before guiding the reader through the study of appropriate elicitation methods, illustrated by a variety of multi-disciplinary examples. This is achieved by: Presenting a methodological framework for the elicitation of expert knowledge incorporating findings from both statistical and psychological research. Detailing techniques for the elicitation of a wide range of standard distributions, appropriate to the most common types of quantities. Providing a comprehensive review of the available literature and pointing to the best practice methods and future research needs. Using examples from many disciplines, including statistics, psychology, engineering and health sciences. Including an extensive glossary of statistical and psychological terms. An ideal source and guide for statisticians and psychologists with interests in expert judgement or practical applications of Bayesian analysis, Uncertain Judgements will also benefit decision-makers, risk analysts, engineers and researchers in the medical and social sciences.

A comprehensive overview of managing and assessing safety and functionality of ageing offshore structures and pipelines A significant proportion, estimated at over 50%, of the worldwide infrastructure of offshore structures and pipelines is in a life extension phase and is vulnerable to ageing processes. This book captures the central elements of the management of ageing offshore structures and pipelines in the life extension phase. The book gives an overview of: the relevant ageing processes and hazards; how ageing processes are managed through the life cycle, including an overview of structural integrity management; how an engineer should go about assessing a structure that is to be operated beyond its original design life, and how ageing can be mitigated for safe and effective continued operation. Key Features: Provides an understanding of ageing processes and how these can be mitigated. Applies engineering methods to ensure that existing structures can be operated longer rather than decommissioned unduly prematurely. Helps engineers performing these tasks in both evaluating the existing structures and maintaining ageing structures in a safe manner. The book gives an updated summary of current practice and research on the topic of the management of ageing structures and pipelines in the life extension phase but also meets the needs of structural engineering students and practicing offshore and structural engineers in oil & gas and engineering companies. In addition, it should be of value to regulators of the offshore industry.

Intelligent Coordinated Control of Complex Uncertain Systems for Power Distribution and Network Reliability discusses the important topics revolving around the control of complex uncertain systems using the intelligent coordination control mechanism, a topic that has become the research focus of current control and computer fields. The book provides theoretical guidance for power distribution network reliability analysis, focusing on practical problems and algorithms within the field. Provides effective solutions for complex control systems Presents theoretical guidance for power distribution network reliability analysis Focuses on practical problems and algorithms

Tato kniha se zab ý v á sporem o pl á ny na v ý stavbu hlubinn é ho ú lo ž i š t ě pro vysoce radioaktivn í odpad v Č esk é republice. Od 90. let st á tn í org á ny vytipovaly n ě kolik m í st, kter á by pro v ý stavbu ú lo ž i š t ě mohla b ý t vhodn á . Z á m ě r se v š ak setkal s trval ý m odporem dot č en ý ch obc í i neziskov ý ch organizac í . Spor trv á bezm á la dv ě desetilet í , a d á se ř í ci, ž e zat í m nedo š lo k v ý razn é mu posunu. Kniha podrobn ě rozeb í r á doty č n ý spor na z á klad ě anal ý zy rozhovor ů s kl í č ov ý mi akt é ry, pozorov á n í z jedn á n í a debat, vl á dn í ch dokument ů č i technick ý ch zpr á v. S pomoc í literatury v ě dn í ch studi í kniha analyzuje spor z hlediska toho, jak se v n ě m zach á z í s nejistotou a rizikem, a argumentuje pro posun z perspektivy zalo ž en é na riziku sm ě rem k perspektiv ě zalo ž en é na nejistot ě , je ž by mohla pomoci spor odblokovat.

This book systematically discusses nonlinear interval optimization design theory and methods. Firstly, adopting a mathematical programming theory perspective, it develops an innovative mathematical transformation model to deal with general nonlinear interval uncertain optimization problems, which is able to equivalently convert complex interval uncertain optimization problems to simple deterministic optimization problems. This model is then used as the basis for various interval uncertain optimization algorithms for engineering applications, which address the low efficiency caused by double-layer nested optimization. Further, the book extends the nonlinear interval optimization theory to design problems associated with multiple optimization objectives, multiple disciplines, and

parameter dependence, and establishes the corresponding interval optimization models and solution algorithms. Lastly, it uses the proposed interval uncertain optimization models and methods to deal with practical problems in mechanical engineering and related fields, demonstrating the effectiveness of the models and methods.

In Risk Analysis of Complex and Uncertain Systems acknowledged risk authority Tony Cox shows all risk practitioners how Quantitative Risk Assessment (QRA) can be used to improve risk management decisions and policies. It develops and illustrates QRA methods for complex and uncertain biological, engineering, and social systems - systems that have behaviors that are just too complex to be modeled accurately in detail with high confidence - and shows how they can be applied to applications including assessing and managing risks from chemical carcinogens, antibiotic resistance, mad cow disease, terrorist attacks, and accidental or deliberate failures in telecommunications network infrastructure. This book was written for a broad range of practitioners, including decision risk analysts, operations researchers and management scientists, quantitative policy analysts, economists, health and safety risk assessors, engineers, and modelers. This important new book, the first of its kind in the fire safety field, discusses the economic problems faced by decision-makers in the areas of fire safety and fire precautions. The author considers the theoretical aspects of cost-benefit analysis and

*other relevant economic problems with practical applications to fire protection systems. Clear examples are included to illustrate these techniques in action. The work covers: * the performance and effectiveness of passive fire protection measures such as structural fire resistance and means of escape facilities, and active systems such as sprinklers and detectors * the importance of educating for better understanding and implementation of fire prevention through publicity campaigns and fire brigade operations * cost-benefit analysis of fire protection measures and their combinations, taking into account trade-offs between these measures. The book is essential reading for consultants and academics in construction management, economics and fire safety, as well as for insurance and risk management professionals.*

When Pullman Car Works employees walk out in protest of their wages and high rent, Olivia Mott is torn between her loyalty to the company and her love for Fred DeVault. Amidst the turmoil in Pullman, Fred is asked to act as a local delegate to the national convention of the American Railway Union, but when the delegates vote in favor of a nationwide boycott of the famous Pullman sleeping cars, Olivia wonders if Fred will ever be able to return to the company town. What will become of their growing affection for each other? Who will prevail in the company strike?

This publication comprises material on recent studies on quality management in agri-food chains. Due to several food crisis's (e.g. BSE, Foot-and-Mouth disease) and growing demands for food quality and safety, quality management systems and quality assurance schemes have been widely adopted in different countries in recent years. Scientific knowledge about the features, the acceptance and the effectiveness and efficiency of these newly introduced quality management initiatives, has remained scarce until now. The material by experts in the field, focuses on the evaluation of quality management systems and quality assurance schemes. The main issues are the costs and benefits of quality management given the influence of the public sector and consumers' expectations about food quality and safety. Not only are benchmarking and harmonisation methods examined with regard to their impact on the effectiveness of quality assurance schemes, but, also the role of trust, cooperation and integration for efficient quality management is

discussed. Different economic theories such as microeconomics, organization and marketing theory as well as advanced statistical methods are applied. Concepts are discussed from the various points of view of industrialised, export-oriented and developing countries throughout the book. The information in this book give a comprehensive review of quality management concepts in food chains and highlight future research directions from a global perspective. This book is of interest to all those who concern themselves with the topic, be it in academia or in the professional sector.

The proceedings of the 11th International Mine Ventilation Congress (11th IMVC), is focused on mine ventilation, health and safety and Earth science. The IMVC has become the most influential international mine ventilation event in the world, and has long been a popular forum for ventilation researchers, practitioners, academics, equipment manufacturers and suppliers, consultants and government officials around the globe to explore research results, exchange best practices, and to launch new products for a better and safer industry. It also serves as a useful platform to attract and train future ventilation professionals and mine planning engineers, as well as for mining companies to discover better practices to provide better ventilation planning.

This case studies book is an indispensable resource for educators, students, and practitioners of nursing. It is innovative in its application of lessons from the communication sciences to common challenges in the delivery of safe patient care. The authors apply basic tenets of human communication to the context of nursing to provide a foundation for practices that can advance the safety and quality of care. The cases, which describe "close calls" and adverse events, are organized along the continuum of healthcare delivery, providing quick access to solutions in commonly encountered care situations. Each case is accompanied by a discussion of how skillful communication can be key to preventing and recovering from errors and adverse events. Thought-provoking discussion questions and references for further reading make this book a valuable reference for nursing educators, students, and practitioners across the world.

An Uncertain Dream (Postcards From Pullman Book #3)

Derivatives Solutions

The first comprehensive reference work on error management, blending the latest thinking with state of the art industry practice on how organizations can learn from mistakes. Even today the reality of error management in some organizations is simple: "Don't make mistakes. And if you do, you're on your own unless you can blame someone else." In most, it has moved on but it is still often centered around quality control, with Six Sigma Black Belts seeking to eradicate errors with an unattainable goal of zero. But the best organizations have gone further. They understand that mistakes happen, be they systemic or human. They have realized that rather than being stigmatized, errors have to be openly discussed, analyzed, and used as a source for learning. In How Could This Happen? Jan Hagen collects insights from the leading academics in this field – covering the prerequisites for error reporting, such as psychological safety, organizational learning and innovation, safety management systems, and the influence of senior leadership behavior on the reporting climate. This research is complemented by contributions from practitioners who write about their professional experiences of error management. They provide not only ideas for implementation but also offer an inside view of highly demanding work environments, such as flight operations in the military and operating nuclear submarines. Every organization makes mistakes. Not every organization learns from them. It's the job of leaders to create the culture and processes that enable that to happen. Hagen and his team show you how.

Every issue of Ashgate's Human Factors and Aerospace Safety: An International Journal publishes an invited, critical review of a key area from a widely-respected researcher. To celebrate a successful first three years of the journal and to make these papers available to a wider audience, they have been collated here into a single volume. The book is divided into three sections, with articles addressing safety issues in flight deck design, aviation operations and training, and air traffic management. These articles describe the state of current

research within a practical context and present a potential future research agenda. Contemporary Issues in Human Factors and Aviation Safety will appeal to both professionals and researchers in aviation and associated industries who are interested in learning more about current issues in flight safety.

Aviation Safety: Slow Progress, Uncertain Future Threaten FAA Program To Measure Safety

Flood prevention, food safety, transport of hazardous materials, infectious diseases, the risks posed by new technologies, and many other threats to public health and the environment call for ongoing public alertness. However, the ways in which these safety risks are currently assessed and managed fall short of addressing the uncertainties of future threats. The contributors to this essential volume argue that in order to ensure future-proof safety policies, we should be adopting a new paradigm, one based on the precautionary principle: i.e. the notion that the vulnerability of humans, society and the natural environment requires a proactive approach to uncertainties. In this vital report, the Netherlands Scientific Council for Government Policy outlines ways to embody this principle in both private and public law and in various institutional arrangements.

Building the Agile Business through Digital Transformation is a guide for organizational development professionals and change managers needing to better understand, implement and lead digital transformation in the workplace. It sets aside traditional thinking and outdated strategies to explain what steps need to be taken for an organization to become truly agile. It addresses how to build organizational velocity and establish iterative working, remove unnecessary process, embed innovation, map strategy to motivation and develop talent to succeed. Building the Agile Business through Digital Transformation provides guidance on how to set the pace and frequency for change and shows how to break old habits and reform the behaviours of a workforce to embed digital transformation, achieve organizational agility and ensure high performance. Full of practical advice, examples and real-life insights from organizational development professionals at the leading edge of digital transformation, this book is an essential guide to building an agile business.

This milestone handbook brings together an impressive collection of international contributions on micro research in organizational behavior. Focusing on core micro organizational behaviour issues, chapters cover key themes such as individual and group behaviour. The SAGE Handbook of Organizational Behavior Volume One provides students and scholars with an insightful and wide reaching survey of the current state of the field and is an indespensible road map to the subject area. The SAGE Handbook of Organizational Behavior Volume Two edited by Stewart R Clegg and Cary L Cooper draws together contributions from leading macro organizational behaviour scholars.

Theory and Practice

A Comprehensive Handbook for Your Personal and Business Security

Evolution, Challenges and New Directions

Nuclear Engineering for an Uncertain Future

Operation Management
Managing Errors in Organizations
Evolutionary Computation in Dynamic and Uncertain Environments
Uncertain Safety : Allocating Responsibilities for Safety
Computer Safety, Reliability, and Security
Rationality in an Uncertain World