This book takes a look at fully automated, autonomous vehicles and discusses many open questions: How can autonomous vehicles be integrated into the current transportation system with diverse users and human drivers? Where do automated vehicles fall under current legal frameworks? What risks are associated with automation and how will society respond to these risks? How will the marketplace react to automated vehicles and what
changes may be necessary for companies? Experts from Germany and the United States define key societal, engineering, and mobility issues related to the automation of vehicles. They discuss the decisions programmers of automated vehicles must make to enable vehicles to perceive their environment, interact with other road users, and choose actions that may have ethical consequences. The authors further identify expectations and concerns that will form the basis for individual and societal acceptance of autonomous driving. While the safety benefits of such vehicles are tremendous, the authors demonstrate that these benefits will only be achieved if vehicles have an appropriate safety concept at the heart of their design. Realizing the potential of automated vehicles to reorganize traffic and transform mobility of people and goods requires similar care in the design of vehicles and networks. By covering all of these topics, the book aims to provide a current, comprehensive, and scientifically sound treatment of the emerging field of “autonomous driving".This report is based on an exhaustive review of the published literature on the definitions, measurements, epidemiology, economics and interventions applied to nine chronic conditions and risk factors.THE INTERNATIONAL BESTSELLER 'Compelling, haunting, tragic stories . . . resonate long after you put the book down' James McConnachie, Sunday Times Book of the Year The routine traffic stop that ends in tragedy. The spy who spends years undetected at the highest levels of the Pentagon. The false conviction of Amanda Knox. Why do we so often get other people wrong? Why is it so hard to detect a lie, read a face or judge a stranger's motives? Using stories of deceit and fatal errors to cast doubt on our strategies for dealing with the unknown, Malcolm Gladwell takes us on an intellectual adventure into the darker side of human nature, where strangers are never simple and misreading them can have disastrous consequences.Includes authors, titles, subjects.The Architecture of Ruins: Designs on the
Past, Present and Future identifies an alternative and significant history of architecture from the sixteenth century to the twenty-first century, in which a building is designed, occupied and imagined as a ruin. This design practice conceives a monument and a ruin as creative, interdependent and simultaneous themes within a single building dialectic, addressing temporal and environmental questions in poetic, psychological and practical terms, and stimulating questions of personal and national identity, nature and culture, weather and climate, permanence and impermanence and life and death. Conceiving a building as a dialogue between a monument and a ruin intensifies the already blurred relations between the unfinished and the ruined and envisages the past, the present and the future in a single architecture. Structured around a collection of biographies, this book conceives a monument and a ruin as metaphors for a life and means to negotiate between a self and a society. Emphasising the interconnections between designers and the particular ways in which later architects learned from earlier ones, the chapters investigate an evolving, interdisciplinary design practice to show the relevance of historical understanding to design. Like a history, a design is a reinterpretation of the past that is meaningful to the present. Equally, a design is equivalent to a fiction, convincing users to suspend disbelief. We expect a history or a novel to be written in words, but they can also be delineated in drawing, cast in concrete or seeded in soil. The architect is a ‘physical novelist’ as well as a ‘physical historian’. Like building sites, ruins are full of potential. In revealing not only what is lost, but also what is incomplete, a ruin suggests the future as well as the past. As a stimulus to the imagination, a ruin’s incomplete and broken forms expand architecture’s allegorical and metaphorical capacity, indicating that a building can remain unfinished, literally and in the imagination, focusing attention on the creativity of users as well as architects. Emphasising the symbiotic relations between
nature and culture, a building designed, occupied and imagined as a ruin acknowledges the coproduction of multiple authors, whether human, non-human or atmospheric, and is an appropriate model for architecture in an era of increasing climate change. This book offers an evidence based guide for clinical psychologists, psychiatrists, psychotherapists and other clinicians working with trauma survivors in various settings. It provides easily digestible, up-to-date information on the basic principles of traumatic stress research and practice, including psychological and sociological theories as well as epidemiological, psychopathological, and neurobiological findings. However, as therapists are primarily interested in how to best treat their traumatized patients, the core focus of the book is on evidence based psychological treatments for trauma-related mental disorders. Importantly, the full range of trauma and stress related disorders is covered, including Acute Stress Reaction, Complex PTSD and Prolonged Grief Disorder, reflecting important anticipated developments in diagnostic classification. Each of the treatment chapters begins with a short summary of the theoretical underpinnings of the approach, presents a case illustrating the treatment protocol, addresses special challenges typically encountered in implementing this treatment, and ends with an overview of related outcomes and other research findings. Additional chapters are devoted to the treatment of comorbidities, special populations and special treatment modalities and to pharmacological treatments for trauma-related disorders. The book concludes by addressing the fundamental question of how to treat whom, and when. The OBR's forecast for GDP growth in 2012 is -0.1 percent and is projected to pick up in every year of the forecast. Public Sector Net Borrowing is forecast to fall by 1.0 percent of GDP in 2012-13 and in subsequent years of the forecast. Public Sector Net Debt is expected to be 79.9 per cent of GDP in 2015-16 before falling to 77.3 per cent by 2017-18. This Statement sets out
a further £6.6 billion package of savings in the spending review period, made up from welfare, Official Development Assistance (ODA) and departmental current spending. A £5.5 billion of additional infrastructure will be funded, including in new roads, science and free schools and academies. There will be a further 1 per cent cut in the main rate of corporation tax from April 2014, to 21 per cent and a significant temporary increase in the Annual Investment Allowance from £25,000 to £250,000 for two years. A greater proportion of growth-related spending will be devolved to local areas and a Business Bank will be created to deploy £1 billion of additional capital and enable UK Export Finance to provide up to £1.5 billion in loans with a package of reforms to promote export. The Government will: increase the basic State Pension by 2.5 percent; create an HM Revenue & Customs unit dedicated to tackling offshore tax evasion; introduce of the UK's first General Anti-abuse Rule; develop significant new information disclosure and penalty powers; and close off tax loopholes. Lifetime allowances for pension contributions will be reduced. JavaScript for Kids is a lighthearted introduction that teaches programming essentials through patient, step-by-step examples paired with funny illustrations. You’ll begin with the basics, like working with strings, arrays, and loops, and then move on to more advanced topics, like building interactivity with jQuery and drawing graphics with Canvas. Along the way, you’ll write games such as Find the Buried Treasure, Hangman, and Snake. You’ll also learn how to: Create functions to organize and reuse your codeWrite and modify HTML to create dynamic web pagesUse the DOM and jQuery to make your web pages react to user inputUse the Canvas element to draw and animate graphicsProgram real user-controlled games with collision detection and score keeping With visual examples like bouncing balls, animated bees, and racing cars, you can really see what you’re programming. Each chapter builds on the last, and programming challenges at the end of
each chapter will stretch your brain and inspire your own amazing programs. Make something cool with JavaScript today! Ages 10+ (and their parents!) The purpose of this book is to gain a better understanding of the multitude of factors that determine longer life and improved quality of life in the years a person is alive. While the emphasis is primarily on the social and behavioral determinants that have an effect on the health and well-being of individuals, this publication also addresses quality of life factors and determinants more broadly. Each chapter in this book considers an area of investigation and ends with suggestions for future research and implications of current research for policy and practice. The introductory chapter summarizes the state of Americans’ health and well-being in comparison to our international peers and presents background information concerning the limitations of current approaches to improving health and well-being. Following the introduction, there are 21 chapters that examine the effects of various behavioral risk factors on population health, identify trends in life expectancy and quality of life, and suggest avenues for research in the behavioral and social science arenas to address problems affecting the U.S. population and populations in other developed and developing countries around the world. Undergraduate and graduate students pursuing coursework in health statistics, health population demographics, behavioral and social science, and health policy may be interested in this content. Additionally, policymakers, legislators, health educators, and scientific organizations around the world may also have an interest in this resource. Butterworth's Data Protection Law Handbook is an essential addition to your legal library, and is part of LexisNexis' popular and successful Handbook series. It provides an invaluable single source collection of UK primary and secondary legislation, as well as European and international materials in one manageable volume. Butterworth's Data Protection Law Handbook is presented in 5
Music is a mobile art. When people move to faraway places, whether by choice or by force, they bring their music along. Music creates a meaningful point of contact for individuals and for groups; it can encourage curiosity and foster understanding; and it can preserve a sense of identity and comfort in an unfamiliar or hostile environment. As music crosses cultural, linguistic, and political boundaries, it continually changes. While human mobility and mediation have always shaped music-making, our current era of digital connectedness introduces new creative opportunities and inspiration even as it extends concerns about issues such as copyright infringement and cultural appropriation. With its innovative multimodal approach, Music on the Move invites readers to listen and engage with many different types of music as they read. The text introduces a variety of concepts related to music’s travels—with or without its makers—including colonialism, migration, diaspora, mediation, propaganda, copyright, and hybridity. The case studies represent a variety of musical genres and styles, Western and non-Western, concert music, traditional music, and popular music. Highly accessible, jargon-free, and media-rich, Music on the Move is suitable for students as well as general-interest readers. Close Reading 14-16 provides a wide selection of extracts with accompanying interpretation/comprehension-type questions, and is appropriate for pupils working towards certificate examinations in English, including Standard Grade, Intermediate 2 and Higher. In addition, the 'Taking A Closer Look' section in each chapter focuses on a specific language feature from the passage and provides further explanations and practice exercises on that aspect of language. An edition of the book is available without answers. This Festschrift volume is published in honor of David Kahn and is the outcome of a Fest held in Luxembourg in 2010.
on the occasion of David Kahn’s 80th birthday. The title of this book leans on the title of a serious history of cryptology named “The Codebreakers”, written by David Kahn and published in 1967. This book contains 35 talks dealing with cryptography as a whole. They are organized in topical section named: history; technology – past, present, future; efficient cryptographic implementations; treachery and perfidy; information security; cryptanalysis; side-channel attacks; randomness embedded system security; public-key cryptography; and models and protocols.

Social class remains a fundamental presence in British life in the twenty-first century. It is woven into the very fabric of social and political discourse, undiminished by the end of mass industry; unaugmented despite the ascendancy of 'ordinary working people' and other substitute phrases. Absent from this landscape, however, is any compelling Marxist expression or analysis of class. In Class Matters, Charles Umney brings Marxist analysis out of the 19th century textiles mill, and into the call centres, office blocks and fast food chains of modern Britain. He shows how core Marxist concepts are vital to understanding increasing pay inequality, decreasing job security, increasing routinisation and managerial control of the labour process. Providing a critical analysis of competing perspectives, Umney argues that class must be understood as a dynamic and exploitative process integral to capitalism - rather than a descriptive categorisation - in order for us to better understand the gains capital has made at the expense of labour over the last four decades.

Laurie Marsh is one of the world’s most successful entrepreneurs but you've never heard of him until now. Here for the first time is the incredible tale of one of the world's leading philanthropists. This book presents a novel framework to reconceptualize Internet governance and better manage cyber attacks. Specifically, it makes an original contribution by examining the potential of polycentric regulation to increase accountability through bottom-up action. It also provides a synthesis
of the current state of cybersecurity research, bringing features of the cloak and dagger world of cyber attacks to light and comparing and contrasting the cyber threat to all relevant stakeholders. Throughout the book, cybersecurity is treated holistically, covering outstanding issues in law, science, economics, and politics. This interdisciplinary approach is an exemplar of how strategies from different disciplines as well as the private and public sectors may cross-pollinate to enhance cybersecurity. Case studies and examples illustrate what is at stake and identify best practices. The book discusses technical issues of Internet governance and cybersecurity while presenting the material in an informal, straightforward manner. The book is designed to inform readers about the interplay of Internet governance and cybersecurity and the potential of polycentric regulation to help foster cyber peace. From a public health perspective, alcohol is a major contributor to morbidity and mortality, and impacts on many aspects of social life. This text describes advances in alcohol research with direct relevance to the development of effective policies at local, national and international level. First published in 1971. Routledge is an imprint of Taylor & Francis, an informa company. Tolley's Yellow Tax Handbook ensures you have a complete view of contemporary tax legislation. This book is endorsed by the Chartered Institute of Taxation (CIOT). The new edition contains all the relevant UK direct tax legislation, along with EU Directives and Regulations and essential HMRC material. The impact of the Finance Act 2018 is expertly covered by Tolley's tax team. The reader's understanding of the legislation is assisted by cross-references to the HMRC Internal Guidance Manuals and market-leading commentary in Simon's Taxes. With arguably the longest tax code in the world, and Finance Acts of increasing complexity and volume, interpreting the legislation has become more difficult than ever. Tolley's Handbook is the imperative reliable guide to the legislation.
has long been established as the guide to this specialist field of local government law. Amongst local councillors it is often called ‘The Bible’. It is a complete statement of the law relating to parish and community councils through an extensive, though succinct, narrative accompanied by comprehensive pertinent statutory materials. It covers everything from parish and manorial history to the new laws now governing local councils. All aspects are explored in a user-friendly style. It also includes appendices of relevant statutes, statutory instruments and an extensive list of useful contacts. The ninth edition of this popular book has been extensively updated to cover the many changes with direct application to local councils. New material covers recent legislation, including the Pensions Act 2008, the Bribery Act 2010, the Equality Act 2010, the Charities Act 2011, the Localism Act 2011, the Growth and Infrastructure Act 2013, the Accounts and Audit (England) Regulations and the 2011 Code of Practice on Publicity. In addition, in relation to Wales, the Welsh Language (Wales) Measure 2011 and the Local Government (Wales) Measure 2011 are covered. This is a key text for parish and community councils, local authorities and solicitors practising in local government and public/administrative law. A study was undertaken to review the recent Australian and international literature relating to traffic law enforcement. The specific areas examined included alcohol, speed, seat belts and signalised intersections. The review documents the types of traffic enforcement methods and the range of options available to policing authorities to increase the overall efficiency (in terms of cost and human resources) and effectiveness of enforcement operations. The review examines many of the issues related to traffic law enforcement including the deterrence mechanism, the effectiveness of legislation and the type of legal sanctions administered to traffic offenders. The need to use enforcement in conjunction with educational and environmental/engineering strategies is also stressed. The need for
publicity to support enforcement operations, police training and education programs is also documented. The review concludes with a series of recommendations regarding the most promising options available to authorities to improve the effectiveness of traffic law enforcement operations. In the post-war intellectual context the group of scholarly disciplines incorporated such approaches to cultural practices as Begriffsgeschichte, Ego-Documentology, Critical Linguistics, and Critical Discourse Analysis. Nevertheless, the integration of historical, sociological, and linguistic knowledge about totalitarian society on a firm factual ground is still the thing of the future. This book is the first step in this direction. Dr. Greg Zacharias, former Chief Scientist of the United States Air Force (2015-18), explores next steps in autonomous systems (AS) development, fielding, and training. Rapid advances in AS development and artificial intelligence (AI) research will change how we think about machines, whether they are individual vehicle platforms or networked enterprises. The payoff will be considerable, affording the US military significant protection for aviators, greater effectiveness in employment, and unlimited opportunities for novel and disruptive concepts of operations. Autonomous Horizons: The Way Forward identifies issues and makes recommendations for the Air Force to take full advantage of this transformational technology. Technological change is a central feature of modern societies and a powerful source for social change. There is an urgent task to direct these new technologies towards sustainability, but society lacks perspectives, instruments and policies to accomplish this. There is no blueprint for a sustainable future, and it is necessary to experiment with alternative paths that seem promising. Various new transport technologies promise to bring sustainability benefits. But as this book shows, important lessons are often overlooked because the experiments are not designed to challenge the basic assumptions about established patterns of transport choices. Learning
how to organise the process of innovation implementation is essential if the maximum impact is to be achieved - it is here that strategic niche management offers new perspectives. The book uses a series of eight recent experiments with electric vehicles, carsharing schemes, bicycle pools and fleet management to illustrate the means by which technological change must be closely linked to social change if successful implementation is to take place. The basic divide between proponents of technological fixes and those in favour of behavioural change needs to be bridged, perhaps indicating a third way. Do big bonuses really motivate bankers to work harder? Is it better to hire someone with a personality similar to your own? What impact does delivering 'service with a smile' have on employees? Introduction to Work and Organizational Behaviour answers all of these questions and more, offering insights into contemporary management practices and encouraging you to reflect critically on the realities of the workplace. Building on the success of the previous edition, this new edition offers: • New chapters on organizational change, and diversity and people management • Brand new Links to Management videos featuring business managers and consultants discussing topics such as perception and learning • 12 new Globalization and Organization Misbehaviour vignettes illustrating contemporary organizational practice and its impact across the world • 12 new The Reality of Work boxes providing thought-provoking examples of the interconnection between society and organizational behaviour • Over 200 new references, bringing the discussion right up to date. Visit www.palgrave.com/bratton-ob to access examples of organizational behaviour in popular films such as The Imitation Game, as well as a guide to developing your skills in report writing and oral presentations, and Chinese translations of key vocabulary and chapter summaries. This book tackles the regulatory issues of Unmanned Aerial Systems (UAS) or Remotely-Piloted Aerial Systems (RPAS), which have profound
consequences for privacy, security and other fundamental liberties. Collectively known as “drones,” they were initially deployed for military purposes: reconnaissance, surveillance and extrajudicial executions. Today, we are witnessing a growth of their use into the civilian and humanitarian domain. They are increasingly used for goals as diverse as news gathering, aerial inspection of oil refinery flare stacks, mapping of the Amazonian rain-forest, crop spraying and search and rescue operations. The civil use of drones is becoming a reality in the European Union and in the US. The drone revolution may be a new technological revolution. Proliferation of the next generation of “recreational” drones show how drones will be sold as any other consumer item. The cultural perception of the technology is shifting, as drones are increasingly being used for humanitarian activities, on one hand, but they can also firmly be situated in the prevailing modes of postmodern governance on the other hand. This work will be of interest to researchers in Criminology and Criminal Justice interested in issues related to surveillance, security, privacy, and technology. It will also provide a criminological background for related legal issues, such as privacy law, aviation law, international criminal law, and comparative law. Constitutionalization of world politics is emerging as an unintended consequence of international treaty making driven by the logic of democratic power. The analysis will appeal to scholars of International Relations and International Law interested in international cooperation, as well as institutional and constitutional theory and practice. Beyond radical design? -- A map of unreality -- Design as critique -- Consuming monsters: big, perfect, infectious -- A methodological playground: fictional worlds and thought experiments -- Physical fictions: invitations to make believe -- Aesthetics of unreality -- Between reality and the impossible -- Speculative everything. Inhalt: Today designers often focus on making technology easy to use, sexy and consumable. In this
book the concept is proposed, that design is used as a tool to create not only things but ideas. Design means speculating about how things could be - to imagine possible futures. This is not the usual sort of predicting or forecasting, spotting trends and extrapolating; these kinds of predictions have been proven wrong again and again. The "what-if" questions that are intended to open debate and discussions about the kind of future people want (and do not want). The annual International Conference on Global Security, Safety and Sustainability (ICGS3) is an established platform in which security, safety and sustainability issues can be examined from several global perspectives through dialogue between academics, students, government representatives, chief executives, security professionals, and research scientists from the United Kingdom and from around the globe. The three-day conference focused on the challenges of complexity, rapid pace of change and risk/opportunity issues associated with modern products, systems, special events and infrastructures. The importance of adopting systematic and systemic approaches to the assurance of these systems was emphasized within a special stream focused on strategic frameworks, architectures and human factors. The conference provided an opportunity for systems scientists, assurance researchers, owners, operators and maintainers of large, complex and advanced systems and infrastructures to update their knowledge on the state of best practice in these challenging domains while networking with the leading researchers and solution providers. ICGS3 2010 received paper submissions from more than 17 different countries in all continents. Only 31 papers were selected and were presented as full papers. The program also included a number of keynote lectures by leading researchers, security professionals and government representatives. This volume consists of 52 peer-reviewed papers, presented at the International Conference on Sustainable Design and Manufacturing (SDM-19) held in
Budapest, Hungary in July 2019. Leading-edge research into sustainable design and manufacturing aims to enable the manufacturing industry to grow by adopting more advanced technologies, and at the same time improve its sustainability by reducing its environmental impact. The topic includes the sustainable design of products and services; the sustainable manufacturing of all products; energy efficiency in manufacturing; innovation for eco-design; circular economy; industry 4.0; industrial metabolism; automotive and transportation systems. Application areas are wide and varied. The book will provide an excellent overview of the latest developments in the Sustainable Design and Manufacturing Area.

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