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Modern Software Engineering Methodologies for Mobile and Cloud Environments *The Triple Challenge for Europe* *Towards concurrent planning of railway maintenance and train services* *Differential Reynolds Stress Modeling for Separating Flows in Industrial Aerodynamics* **Loving Yourself to Great Health More Playful User Interfaces**
HISTORICAL MONUMENTS IN INDIA **Perspectives on Peacekeeping and Atrocity Prevention** *Building Ethereum Dapps Services*

of General Interest Beyond the Single Market **Science Fictions** *SIPRI Yearbook 2015*
Electric Vehicle Business Models **Data and Goliath: The Hidden Battles to Collect Your Data and Control Your World** **Disaster Governance in Urbanising Asia** *Sustainable Working Lives* *International Gear Conference 2014: 26th-28th August 2014, Lyon* *Importing EU Norms* **CTET and TET Science and Pedagogy for Class 6 to 8 for 2021 Exams**
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This book presents papers from the International Gear Conference 2014, held in Lyon, 26th-28th August 2014. Mechanical transmission components such as gears, rolling element bearings, CVTs, belts and chains are present in every industrial sector and over recent years, increasing competitive pressure and environmental concerns have provided an impetus for cleaner, more efficient and quieter units. Moreover, the emergence of relatively new applications such as wind turbines, hybrid transmissions and jet engines has led to even more severe constraints. The main objective of

this conference is to provide a forum for the most recent advances, addressing the challenges in modern mechanical transmissions. The conference proceedings address all aspects of gear and power transmission technology and range of applications (aerospace, automotive, wind turbine, and others) including topical issues such as power losses and efficiency, gear vibrations and noise, lubrication, contact failures, tribo-dynamics and nano transmissions. A truly international contribution with more than 120 papers from all over the world A judicious balance between fundamental research and industrial concerns Participation of the most respected international experts in the field of gearing A wide range of applications in terms of size, power, speed, and industrial sector The purpose of this volume is to describe the impact of the increased demand for flexibility on employees and its impact on their individual work life trajectories and health. The volume offers concrete examples of interventions aimed to find innovative ways of sustainable work careers for today's workers. We focus on the school to work transition, job insecurity, job loss and re-employment and retirement. The interventions described offer strategies for implementing support in employment contracts, increasing preparedness of individual employees with public education programs or developing work arrangements and support systems in work organizations. Produced as a

celebration of Singapore's renowned culinary heritage, Singapore Hawker Classics Unveiled, tells you everything you ever needed to know - and more! - about 25 of our favourite dishes. The 25 delicious recipes featured will allow you to recreate your favourite classic hawker treats at home and inspire you to look at these familiar dishes in a new light - each dish includes its traditional presentation together with an additional interpretation with a modern twist. Moreover, every dish is covered in great detail, including information on its heritage, its aroma, taste and texture, its nutritional value, as well as clear step-by-step instructions and photographs This book offers a novel, incisive and wide-ranging account of Libya's '17 February Revolution' by tracing how critical towns, communities and political groups helped to shape its course. Each community, whether geographical (e.g. Misrata, Zintan), tribal/communal (e.g. Beni Walid) or political (e.g. the Muslim Brotherhood) took its own path into the uprisings and subsequent conflict of 2011, according to their own histories and relationship to Muammar Qadhafi's regime. The story of each group is told by the authors, based on reportage and expert analysis, from the outbreak of protests in Benghazi in February 2011 through to the transitional period following the end of fighting in October 2011. They describe the emergence of Libya's new politics through the unique stories of those who made it happen, or those who fought against it. The Libyan Revolution and its

Aftermath brings together leading journalists, academics, and specialists, each with extensive field experience amidst the constituencies they depict, drawing on interviews with fighters, politicians and civil society leaders who have contributed their own account of events to this volume. This is the first-ever book on the rise of the new wave of independent Indian films that is revolutionising Indian cinema. Contemporary scholarship on Indian cinema so far has focused asymmetrically on Bollywood—India's dominant cultural export. Reversing this trend, this book provides an in-depth examination of the burgeoning independent Indian film sector. It locates the new 'Indies' as a glocal hybrid film form—global in aesthetic and local in content. They critically engage with a diverse socio-political spectrum of 'state of the nation' stories; from farmer suicides, disenfranchised urban youth and migrant workers to monks turned anti-corporation animal rights agitators. This book provides comprehensive analyses of definitive Indie new wave films including *Peepli Live* (2010), *Dhobi Ghat* (2010), *The Lunchbox* (2013) and *Ship of Theseus* (2013). It explores how subversive Indies, such as polemical postmodern rap-musical *Gandu* (2010) transgress conventional notions of 'traditional Indian values', and collide with state censorship regulations. This timely and pioneering analysis shows how the new Indies have emerged from a middle space between India's globalising present and traditional past. This book draws on in-depth interviews with directors, actors,

academics and members of the Indian censor board, and is essential reading for anyone seeking an insight into a current Indian film phenomenon that could chart the future of Indian cinema. The Index to Proceedings of the General Assembly is a bibliographic guide to the proceedings and documentation of the General Assembly. This issue covers the sixty-eighth session of the Assembly including its Main and ad hoc committees. The Index is prepared by the Dag Hammarskjöld Library, Department of Public Information, as one of the products of the United Nations Bibliographic Information System (UNBIS). It offers sessional information; a check-list of meetings; information on principal organs and subsidiary bodies to which members were elected or appointed; an agenda, a subject list of documents; reports of the main and procedural committees; resolutions and decisions adopted; and a voting chart of resolutions. This contributed volume presents state-of-the-art advances in logistics theory in various fields as well as case studies. The book reports on a number of recently conducted studies in the Dinalog and the EffizienzCluster LogistikRuhr, thus bridging the gap between different perspectives of theoretical and applied research. A selection of theoretical topics, practical examples, case studies and project reports is presented in this volume. The editors carefully selected contributions from a wide variety of projects, which were carried out in both the Dinalog cluster and the

Effizienzcluster LogistikRuhr. The contributions are grouped in five main sections, each representing key domains in the evolution of logistics and supply chain management: sustainability, urban logistics, value chain management, IT-based innovation, knowledge management. This book is intended for both researchers and practitioners in the field of logistics and supply chain management, to serve as an important source of information for further research as well as to stimulate further innovation. Russian businesses in the post-Soviet period have been noted for their unusual, sometimes allegedly corrupt, business practices, and for their role in the enrichment of oligarchs. This book, which includes a wide range of case study examples, and which draws on the author's first-hand experience of running a Russian company, argues that a key to understanding contemporary Russian business is the importance of arbitrage, that is the ability to take advantage of price and cost differentials in different markets. The book argues that the conditions for such arbitrage advantages are often created by businesses which have special links to particular institutions; that arbitrage benefits are not available to all businesses in a sector, thereby providing unfair competitive advantages to some businesses; and that businesses' overall activities are often distorted by this system. The book includes an analysis of a wide range of different types of arbitrage activities in action. 1. The book "Science & Pedagogy" prepares for teaching examination

for (classes 6-8) 2. Guide is prepared on the basis of syllabus prescribed in CTET & other State TETs related examination 3. Divided in 2 Main Sections giving Chapterwise coverage to the syllabus 4. Previous Years' Solved Papers and 5 Practice sets are designed exactly on the latest pattern of the examination 5. More than 1500 MCQs for thorough for practice. 6. Useful for CTET, UPTET, HTET, UTET, CGTET, and all other states TETs. Robert Stenberg once said, "There is no Recipe to be a Great Teacher, that's what, is unique about them". CTET provides you with an opportunity to make a mark as an educator while teaching in Central Government School. Prepare yourself for the exam with current edition of "Science and Pedagogy - Paper II" that has been developed based on the prescribed syllabus of CTET and other State TETs related examination. The book has been categorized under 2 Sections; Science & Pedagogy giving clear understanding of the concepts in Chapterwise manner. Each chapter is supplied with enough theories, illustrations and examples. With more than 1500 MCQs help candidates for the quick of the chapters. Practice part has been equally paid attention by providing Previous Years' Questions asked in CTET & TET, Practice Questions in every chapter, along with the 5 Practice Sets exactly based on the latest pattern of the Examination. Also, Latest Solved Paper is given to know the exact Trend and Pattern of the paper. Housed with ample number of questions for practice, it gives

robust study material useful for CTET, UPTET, HTET, UTET, CGTET, and all other states TETs. TOC Solved Paper I & II 2021 (January), Solved Paper I 2019 (December), Solved Paper II 2019 (December), Solved Paper 2019 (July), Solved Paper 2018 (December), Science, Pedagogy Practice Sets (1-5). This book explores the reactions to Europeanization and globalization in times of economic distress, including the transformation of European values in national legal cultures. The authors explore how European values, tradition and new legal challenges interconnect and dictate the paths of transition between old and new Europe. The first chapter starts with a question: can Roman Legal Tradition play a role of identity factor towards a New Europe? Can it be considered as a general value identifying new Europe, built on a minimum core of principles - persona, dominum, obligation, contract and inheritance - composing the whole European private law tradition? Subsequent chapters attempt to provide possible responses to the question: what is Europe today? The answers diverge, depending on the research area. The inherent dichotomy of human rights protection in Europe and the concept of 'one law, one court' are investigated in the second chapter, whereas the third chapter focuses on asylum and the interrelation and interdependence of the Court of Justice of the EU and the European Court of Human Rights. The next three chapters concentrate on matters of equal treatment and non-discrimination. The first contribution in this

part reflects on the crisis and methodological and conceptual issues faced by modern anti-discrimination law. It is followed by a specific analysis of the empowerment of women or gender-balancing in company boards. The third contribution reveals the impact of the Croatian anti-discrimination law on private law relations. The next chapter deals with the issue of social rights in Croatia and the method of their regulation in the context of the new European values. The immense challenges posed by the market integration imperative and democratic transition have brought about different reactions in the national legal systems and legal cultures of both old and new Member States. As such, Europe has effectively been reunited, but what about the convergence of national legal cultures? This is the focal point of the remaining chapters, which focus on various issues, from internal market, competition law, consumer welfare, liberalization of network industries to the EU capital market. The magnitude of EU activity in these areas offers conclusive evidence that old and new paradigms are evolving and shaping the future of the EU. The SIPRI Yearbook is known worldwide as an authoritative and independent source of data and analysis for politicians, diplomats, journalists, scholars, students and citizens on armaments, disarmament and international security. It provides an overview of developments in international security, weapons and technology, military expenditure, the arms trade and arms production, and armed

conflicts, along with efforts to control conventional, nuclear, chemical and biological weapons. The first edition of the SIPRI Yearbook was released in 1969, with the aim of producing 'a factual and balanced account of a controversial subject-the arms race and attempts to stop it'. This 46th edition of the SIPRI Yearbook covers developments during 2014 including: DT Essays on the conflicts in Syria, Iraq and Ukraine, as well as studies on the relationship of gender equality to peace and armed conflict, and the diversity of peace and war in Africa DT East Asian and European security, as well as global and regional trends in peace operations, and development challenges in fragile states DT Military expenditure, arms production and international arms transfers DT World nuclear forces, with an overview of each of the nine nuclear-armed states DT Iran's nuclear programme and multilateral arms control and disarmament DT Implications of the Ebola outbreak and the challenge of addressing CBW issues in conflict zones DT The Arms Trade Treaty, multilateral arms embargoes and export control regimes as well as a 10-year overview of patterns of armed violence, a summary of the Global Peace Index, and extensive annexes on arms control and disarmament agreements, international security bodies and events in 2014. Cory Doctorow's Attack Surface is a standalone novel set in the world of New York Times bestsellers Little Brother and Homeland. Most days, Masha Maximow was sure she'd chosen the winning

side. In her day job as a counterterrorism wizard for an transnational cybersecurity firm, she made the hacks that allowed repressive regimes to spy on dissidents, and manipulate their every move. The perks were fantastic, and the pay was obscene. Just for fun, and to piss off her masters, Masha sometimes used her mad skills to help those same troublemakers evade detection, if their cause was just. It was a dangerous game and a hell of a rush. But seriously self-destructive. And unsustainable. When her targets were strangers in faraway police states, it was easy to compartmentalize, to ignore the collateral damage of murder, rape, and torture. But when it hits close to home, and the hacks and exploits she's devised are directed at her friends and family--including boy wonder Marcus Yallow, her old crush and archrival, and his entourage of naïve idealists--Masha realizes she has to choose. And whatever choice she makes, someone is going to get hurt. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied. As technology continues to evolve, the popularity of mobile computing has become inherent within today's society. With the majority of the population using some form of mobile device, it has become increasingly important to develop more efficient cloud platforms. Modern Software Engineering Methodologies for Mobile and Cloud Environments investigates emergent trends and research on innovative software platforms in mobile and cloud

computing. Featuring state-of-the-art software engineering methods, as well as new techniques being utilized in the field, this book is a pivotal reference source for professionals, researchers, practitioners, and students interested in mobile and cloud environments. The onset of the Great Financial Crisis in 2007/8 has triggered a widespread debate about the causes and the social and environmental consequences of the lack of long-term investment around the world. This volume, the third in the Sustainable Company book series produced by the GOODCORP network of academic and trade union experts on corporate governance, presents a 'stakeholder' approach to the problem. The analysis and policy prescriptions presented here go beyond mainstream economic analysis by highlighting the need for major changes in the way resources are saved, distributed and invested in the interests of a sustainable and just economy and society. Individual chapters explore different dimensions of the problem of short-termism and possible policy responses. Key themes in this volume include the state of the debate on long-term investment in Europe, increasing worker voice in pension fund investment and implementing financial transaction taxes to discourage financial market speculation. Policy proposals beyond the mainstream include strengthening worker participation rights (including the right to non-financial information from companies) and using international investment treaties to

support social and environmental standards. This book explores the concepts and practicalities that lead to sustainable construction. It breaks new ground by providing the reader with the underlying principles of how to build sustainably and then assesses many of the tools required for the task. From energy to materials and from procurement to operation, all aspects play their part in turning a theoretically sustainable building project into a reality. There are many guidelines for the designer on how to maximise the sustainability of buildings but this resource text supplements these by focusing on the construction and operational aspects of sustainable buildings, as well as some of the more fundamental design-related considerations.

- Offers an excellent text for those learning to construct, design and operate sustainable buildings.
- Covers the drivers for sustainable construction, definitions, historical impacts, climate change and global, regional and individual responses.
- enables the construction professional to achieve optimum solutions, both in design, process and the aftercare of buildings.
- evaluates the effectiveness of different renewable technologies and provides guidance on the practicalities of their use.
- Alerts the reader to future trends in this field.

This is the first book ever to assess comprehensively the impact of EU international agreements on services of general interest. Services of general interest remain high on the political and legal agenda of

the European Union. However, the debates about the impact of EU law on services of general interest usually focus on internal market law such as the free movement of services, competition law, state aid rules and the law of public procurement. The external and international dimensions of the European legal framework for services of general interest are often overlooked. This book addresses the impact of international trade and investment agreements on public services and the role these services play in EU external relations. It shows that the inherent tension between establishing and securing undistorted competition on markets and the logic of public services exists in international economic law in a similar way as in EU internal law. Given the contentiousness of international trade and investment agreements as well as the EU's external policies, the issues discussed in this volume are timely and relevant and contribute to the ongoing debate about the future of services of general interest in the EU with fresh ideas and perspectives. Markus Krajewski is Professor of Public and International Law at the University of Erlangen-Nuremberg, Germany. This contributed volume collects insights from industry professionals, policy makers and researchers on new and profitable business models in the field of electric vehicles (EV) for the mass market. This book includes approaches that address the optimization of total cost of ownership. Moreover, it presents alternative models of ownership, financing and

leasing. The editors present state-of-the-art insights from international experts, including real-world case studies. The volume has been edited in the framework of the International Energy Agency's Implementing Agreement for Cooperation on Hybrid and Electric Vehicles (IA-HEV). The target audience primarily comprises practitioners and decision makers but the book may also be beneficial for research experts and graduate students. With studies on the United Arab Emirates, Qatar, Syria, Lebanon, Morocco and Tunisia, this collection presents a theoretical framework on the study of women's empowerment amid the transformations that have shaped the social and political fabrics of Arab societies. "Bruce Schneier's amazing book is the best overview of privacy and security ever written."—Clay Shirky "Bruce Schneier's amazing book is the best overview of privacy and security ever written."—Clay Shirky Your cell phone provider tracks your location and knows who's with you. Your online and in-store purchasing patterns are recorded, and reveal if you're unemployed, sick, or pregnant. Your e-mails and texts expose your intimate and casual friends. Google knows what you're thinking because it saves your private searches. Facebook can determine your sexual orientation without you ever mentioning it. The powers that surveil us do more than simply store this information. Corporations use surveillance to manipulate not only the news articles and advertisements we each see, but also the prices we're offered. Governments use

surveillance to discriminate, censor, chill free speech, and put people in danger worldwide. And both sides share this information with each other or, even worse, lose it to cybercriminals in huge data breaches. Much of this is voluntary: we cooperate with corporate surveillance because it promises us convenience, and we submit to government surveillance because it promises us protection. The result is a mass surveillance society of our own making. But have we given up more than we've gained? In *Data and Goliath*, security expert Bruce Schneier offers another path, one that values both security and privacy. He brings his bestseller up-to-date with a new preface covering the latest developments, and then shows us exactly what we can do to reform government surveillance programs, shake up surveillance-based business models, and protect our individual privacy. You'll never look at your phone, your computer, your credit cards, or even your car in the same way again. 'Required reading for everyone' Adam Rutherford Shortlisted for the Royal Society Science Book Prize 2021 Medicine, education, psychology, economics - wherever it really matters, we look to science for guidance. But what if science itself can't always be relied on? In this vital investigation, Stuart Ritchie reveals the disturbing flaws in today's science that undermine our understanding of the world and threaten human lives. With bias, careless mistakes and even outright forgery influencing everything from austerity economics to the

anti-vaccination movement, he proposes vital remedies to save and protect science - this most valuable of human endeavours - from itself. * With a new afterword by the author * 'Thrilling... Reminds us that another world is possible' The Times, Books of the Year 'Excellent... We need better science. That's why books like this are so important' Evening Standard This book presents thinking about and through transdisciplinary and professional development as an educative process. Rather than focusing on the delineation of the approaches offered, an analysis of these contributions points to commonality in those problems that benefit from a transdisciplinary perspective. The core elements of transdisciplinarity can lead to what might be called metanoia - another way of knowing; a knowing which is 'beyond that which is creative and transformative. This poses challenges for the practice of all professionals and is the core issue that this book addresses. The book brings together the constituting views of transdisciplinarity, or metanoia, and focus them on current professional practice. The book is structured in two parts and five sections. The first part deals with key issues in Transdisciplinarity; its actuality and how it creates knowledge. Section 1 has three original papers which look at Transdisciplinarity from a different lens. Especially, the Islamic voice has not been heard in this context before. Section 2 considers the knowledge aspect of Transdisciplinarity and how this might be

confronted with existing disciplinary knowledge. Part 2 of the book is directly focused on professionals and their education. The third section considers research pedagogy and graduate education for the professional. This is followed in section 4 which offers a discussion on team work. In the final section six chapters present the transdisciplinary practitioner in different contexts. This book demonstrates the changing dynamics of India's engagement with Africa, focusing on trade, investment, official development assistance, capacity building activities and the diaspora. It also examines its impact at the economic, political and societal levels with respect to governance, democratic structures, education and health. India has competitive edge of historical goodwill and it is one of the most important countries engaging Africa in the 21st Century. For Africa, India has emerged from an aid recipient country to a major aid provider but on a basis of partnership model. The book provides a contemporary analysis and assessment of Indo-Africa relations, bringing together contributions from the Global South and from the North that explore whether the relationship is truly 'mutually beneficial'. This collection explores the changing nature of health discourse in different digital environments. It offers sustained discourse analyses of a number of interactions generated through the affordances and constraints of these new social contexts, which are affecting health communication in subtle and profound

ways. Efficiency in the public and freight transportation systems is of crucial importance for a society. Railways can offer high capacity and relatively low environmental impact, but require that several technical systems are tuned and operate well. Specifically there is a very tight interdependency between infrastructure and trains, which distinguishes railways from other transportation modes. Thus maintenance of all the subsystems is needed. Railways do also have some specific and complicating properties that influence maintenance and operations: Most activities need exclusive access to the infrastructure and - due to the geographic layout, safety requirements and partitioning of the subsystems - large portions of the network will be affected by each activity. Furthermore, several organisational units and resources are involved, ranging from governments and regulatory bodies, over operators and contractors to suppliers, technical experts and work forces. Thus railway maintenance is complicated to organize and consumes large budgets. This thesis treats the planning and scheduling problems that concern railway infrastructure maintenance and the coordination with train traffic. Mathematical methods and optimization are studied and used, with the aim of advancing the knowledge about models for solving such problems. The thesis contains three papers and presents: (1) A survey regarding railway maintenance activities, the major planning problems and the

conducted research so far; (2) A model for quantitative comparison and assessment of competing capacity requests from train operations and maintenance; (3) An optimization model for integrated scheduling of both maintenance windows and train services. The work can be helpful for practitioners as well as researchers who want to take further steps in this interesting and challenging area. Based on the results that have been obtained, future research directions are presented that may lead towards practical use of concurrent planning of railway maintenance and train services. This book covers the latest advances in playful user interfaces - interfaces that invite social and physical interaction. These new developments include the use of audio, visual, tactile and physiological sensors to monitor, provide feedback and anticipate the behavior of human users. The decreasing cost of sensor and actuator technology makes it possible to integrate physical behavior information in human-computer interactions. This leads to many new entertainment and game applications that allow or require social and physical interaction in sensor- and actuator-equipped smart environments. The topics discussed include: human-nature interaction, human-animal interaction and the interaction with tangibles that are naturally integrated in our smart environments. Digitally supported remote audience participation in artistic or sport events is also discussed. One important theme that emerges throughout the book is the

involvement of users in the digital-entertainment design process or even design and implementation of interactive entertainment by users themselves, including children doing so in educational settings. This book offers comprehensive coverage of the various aspects of personalized medicine as an original approach to classifying, understanding, treating and preventing disease based on individual biological differences. In the introductory section, it defines personalized medicine as a way toward new medical practices and addresses the question: What can personalized medicine offer citizens, medical professionals, reimbursement bodies and stakeholders? Subsequent chapters discuss the technological aspects of personalized medicine: data collection, comprehensive integration and handling of data, together with key enabling factors in developing the requisite technological support for personalized medicine. Lastly, the book explores the main issues shaping the implementation and development of personalized medicine - education, stakeholder participation, infrastructure, a new approach to the classification of disease and medical tests, regulatory frameworks, and new reimbursement models - together with ethical, legal and social issues. Ultimately, the book calls for interdisciplinarity and a radical change in the way we approach the health and wellbeing of individuals. Target groups are medical doctors and researchers in the field of

biomedicine, as well as experts from the social sciences dealing with legal, economic and social aspects of health system issues in general. Though the book will primarily benefit these groups of professional experts, its content will also appeal to a far wider readership, as it deals with a paradigm shift in one of society's main pillars - the health system. Summary Building Ethereum Dapps introduces you to decentralized applications based on the Ethereum blockchain platform. In this book, you'll learn the principles of Dapps development by rolling up your sleeves and actually building a few! Foreword by Thomas Bertani. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Imagine unbreakably secure applications that handle personal and business transactions without any central agency controlling the process. Decentralized applications, or Dapps, do just this, shifting power to users. The Ethereum blockchain platform provides the tools you need to build Dapps, including an innovative "smart contracts" model and Solidity, a Dapp-aware JavaScript-like programming language. About the Book Building Ethereum Dapps teaches Dapps development on the Ethereum blockchain platform. You'll begin with a mental model of how Dapps operate, and then dive into designing and implementing smart contracts in Ethereum's Solidity language. You'll explore Ethereum smart contract development tools,

like Truffle and Web3, and pick up best practices for design and security. Practical exercises throughout give you valuable hands-on experience. What's inside Ethereum's key components Implementing smart contracts in Solidity Communicating with a smart contract in Web3 Developing Dapps with Truffle Best practices for design and security improvement About the Reader For developers with intermediate experience in JavaScript or an OO language. Familiarity with blockchain concepts is helpful. About the Author Roberto Infante is a software development consultant who specializes in finance. He currently works on financial risk management systems and on blockchain technology. Table of Contents PART 1 A first look at decentralized applications Understanding the blockchain The Ethereum platform Deploying your first smart contract PART 2 Programming smart contracts in Solidity Writing more complex smart contracts Generalizing functionality with abstract contracts and interfaces Managing smart contracts with Web3.js PART 3 The Ethereum ecosystem Unit testing contracts with Mocha Improving the development cycle with Truffle Putting it all together: Building a complete voting Dapp PART 4 Making a Dapp production ready Security considerations Conclusions "The Beijing-Islamabad axis plays a central role in Asia's geopolitics, from India's rise to the prospects for a post-American Afghanistan, from the threat of nuclear terrorism to the continent's new map of mines, ports and

pipelines. China is Pakistan's great economic hope and its most trusted military partner; Pakistan is the battleground for China's encounters with Islamic militancy and the heart of its efforts to counter-balance the emerging US-India partnership. For decades, each country has been the other's only 'all-weather' friend. Yet the relationship is still little understood. The wildest claims about it are widely believed, while many of its most dramatic developments are hidden from the public eye. This book sets out the recent history of Sino-Pakistani ties and their ramifications for the West, for India, for Afghanistan, and for Asia as a whole. It tells the stories behind some of its most sensitive aspects, including Beijing's support for Pakistan's nuclear program, China's dealings with the Taliban, and the Chinese military's planning for crises in Pakistan. It describes a relationship increasingly shaped by Pakistan's internal strife, and the dilemmas China faces between the need for regional stability and the imperative for strategic competition with India and the USA."-- Amazon.com. The current challenges and potential future of peacekeeping in an increasingly complex world take center stage in this far-reaching collection. Contributors advance a nuanced picture of post-conflict environments across different areas of the globe while considering possible deployments of peacekeeping, traditional military and UN forces in semi-autonomous complementary roles. Longstanding debate topics such as the

need for a standing UN army and the field implementation of global right-to-protect concepts are discussed, as are emerging ideas in civilian protection, atrocity prevention and balancing triage operations with long-term peacebuilding efforts. Other dispatches chronicle key issues and concerns regarding peacekeeping operations in Brazil, China and diverse regions of Africa. Included in the coverage: Protecting strangers: reflections on a cosmopolitan peacekeeping capacity. Towards a standing UN force for peacekeeping. Challenges posed by intervention brigades and other coercive measures in support of the protection of civilians. Addressing the criminal accountability of peacekeepers. The evolution of China's role in peacekeeping and atrocity crime prevention. Businesses and investors as stakeholders in atrocity crime prevention. Multiple viewpoints, a global scope and real-world clarity make *Perspectives on Peacekeeping and Atrocity Prevention* an invaluable resource to advance the work of humanitarians, criminologists and students of and professionals in international relations. "This collection of articles effectively points to the challenges, complexities and sensitivities of preventing and halting mass atrocity crimes in part through the use of UN peacekeeping operations. The volume also inspires further efforts, including the integration of new and younger stakeholders, to mitigate massive human rights crimes and fully implement the Responsibility to Protect." Dr. György Tatár

Chair, Budapest Centre for the International Prevention of Genocide and Mass Atrocities "In a refreshing and engaging manner, this edited volume represents a much-needed contribution to the debate on how best to address current security threats given the limitations and the possibilities of peacekeeping and atrocity prevention. A compelling feature of the book is its exploration of often-neglected stakeholder perspectives alongside first-hand knowledge of the UN system and astute academic observations of key peacekeeping concepts, mandates and practices. Each chapter's concluding recommendations invite scholars and policy makers to critically interrogate their own beliefs, assumptions and preferred solutions for keeping the peace and preventing mass atrocity violence." Dr. Maria Stern Professor in Peace and Development Studies, School of Global Studies University of Gothenburg This edited book approaches the threat and impact of environmental disasters on Asia's urban populations from a governance perspective. It adopts a multi-sector and multi-disciplinary approach to disaster governance that emphasises the importance of multiple stakeholders in preparing for, responding to and recovering from disasters and their cascading impacts in Asia's cities. The contributors to this volume take a broad view of the multifaceted causalities and the interconnected threats and vulnerabilities of environmental disasters in urbanising Asia. As such, the book is an invitation to advance

scholarship in the search for more effective, comprehensive and inclusive disaster preparedness agendas, recovery programs and development priorities. Digital games offer enormous potential for learning and engagement in mathematics ideas and processes. This volume offers multidisciplinary perspectives—of educators, cognitive scientists, psychologists and sociologists—on how digital games influence the social activities and mathematical ideas of learners/gamers. Contributing authors identify opportunities for broadening current understandings of how mathematical ideas are fostered (and embedded) within digital game environments. In particular, the volume advocates for new and different ways of thinking about mathematics in our digital age—proposing that these mathematical ideas and numeracy practices are distinct from new literacies or multiliteracies. The authors acknowledge that the promise of digital games has not always been realised/fulfilled. There is emerging, and considerable, evidence to suggest that traditional discipline boundaries restrict opportunities for mathematical learning. Throughout the book, what constitutes mathematics learnings and pedagogy is contested. Multidisciplinary viewpoints are used to describe and understand the potential of digital games for learning mathematics and identify current tensions within the field. Mathematics learning is defined as being about problem solving; engagement in mathematical

ideas and processes; and social engagement. The artefact, which is the game, shapes the ways in which the gamers engage with the social activity of gaming. In parallel, the book (as a textual artefact) will be supported by Springer's online platform—allowing for video and digital communication (including links to relevant websites) to be used as supplementary material and establish a dynamic communication space. Legacy landmarks across the world are impacted by an assortment of physical and organic anxieties. Harm to legacy landmarks because of bugs and bugs is developing with expanding anthropogenic strain and changing climatic circumstances. Cave landmarks are natural surroundings to organisms, green growth, parasites, and bugs, and are extraordinary biodiversity locales because of their low temperature, almost no daylight, and high dampness conditions. This review checks out accessible data on significant variables that work with the development of bug bothers and debase legacy landmarks. Ajanta Caves, an UNESCO world legacy site in India, is a human wonder, significant archeological and legacy site of huge social and memorable qualities. The current paper is an endeavor to comprehend an assortment of stresses and factors with an emphasis on bug bothers that have significantly impacted Ajanta cave artworks over the most recent couple of many years. The concentrate likewise gives data on accessible ways to deal with harm control including the requirement for a

coordinated bug bother the executives for safeguarding cave landmarks against quick corruption the nation over overall and Ajanta collapses specific. A light-based approach is the vital feature of the review that can be utilized as a powerful and productive way to deal with shield archeological destinations particularly cave compositions from bug bugs without upsetting the pollinator variety and general climate. The Saudi royal family has survived the events of the Arab Spring intact and unscathed. Any major upheavals were ostensibly averted with the help of oil revenues, while the Kingdom's influential clerics conveniently declared all forms of protest to be against Islam. Saudi dollars bent events to the Kingdom's will in the Arab world—particularly in Syria, Yemen and Bahrain, but also in Egypt and Lebanon, Saudi cash has had a profound impact. Does this mean that all is well in Saudi Arabia itself, which has an extremely youthful population ruled by a gerontocracy? Problems endemic in Egypt, Tunisia and Syria—youth unemployment, corruption and repression—are also evident in the Kingdom and while young Saudis may not yet be taking to the streets, on Twitter and Facebook their discontent is manifest. Saudi Arabia remains the dominant player in the Gulf, and the fall of the House of Saud would have explosive repercussions on the GCC while the knock-on effect worldwide would be immeasurable. Saudi Arabia is the only oil exporter capable of acting as a 'swing producer', a fact of which this book reminds us.

Aarts and Roelants have drawn a compelling picture of a Middle East power which, while not presently endangered, may soon deviate from the trajectory established by the House of Saud. This book presents a study of the relationship between Cabinet-level Ministers and top civil servants in Ireland. The nature of this relationship can potentially have far-reaching effects on people's lives as it can influence the type of public policy agreed at top levels of government. A total of sixteen interviews were carried out for the research, eight with retired Cabinet-level Ministers and eight with retired Secretaries General of Irish government departments. Anonymity, not just for the participants but also for the government departments in which they had served, was vital to the success of the research. Also vital was the fact that only retirees were interviewed as this removed the fear for participants that their careers might suffer if they spoke too frankly. The result is a collection of interviews containing frank and open views on the relationship between Ministers and their officials and on how this relationship influences public policy development. Europe is confronted by an intimidating triple challenge: economic stagnation, climate change, and a governance crisis. This book demonstrates how these challenges are inter-related, and discusses how they can be dealt with more effectively in order to arrive at a more economically secure, environmentally sustainable and well governed Europe. This

interdisciplinary work presents a conceptual framework and brings together constructivist and rationalist accounts of how EU norms are adopted, adapted, resisted or rejected. These chapters provide empirical cases and critical analysis of a rich variety of norm-takers from EU member states, European and non-European states, including the rejection of EU norms in Russia and Africa as well as adaptation of EU practices in Australia and New Zealand. Chapters on China, ASEAN and the Czech Republic demonstrate resistance to EU norm export. This volume probes differences in willingness to adopt or adapt norms between various actors in the recipient state and explores such questions as: How do norm-takers perceive of the EU and its norms? Is there a 'normative fit' between EU norms and the local normative context? Similarly, how do EU norms impact recipients' interests and institutional arrangements? First, the authors map EU norm export strategies and approaches as they affect norm-takers. Second, the chapters recognize that norm adoption, adaptation, resistance or rejection is a product of interaction and a relationship in which interdependence, asymmetry and power play a role. Third, we see that domestic circumstances within norm-takers condition the reception of norms. This book's focus on norm-takers highlights the reflexive nature of norm diffusion and that nature has implications for the EU itself as a norm exporter. Anyone with an interest in the research agenda on norm

diffusion, normative power and the EU's normative dialogue with the world will find this book highly valuable, including scholars, policy makers and students of subjects including political science, European studies, international relations and international and EU law. This book presents recent progress in the application of RANS turbulence models based on the Reynolds stress transport equations. A variety of models has been implemented by different groups into different flow solvers and applied to external as well as to turbo machinery flows. Comparisons between the models allow an assessment of their performance in different flow conditions. The results demonstrate the general applicability of differential Reynolds stress models to separating flows in industrial aerodynamics. Ideology and Organization in Indian Politics examines the immense changes that have occurred in Indian politics over the past decade and its impact on the Indian National Congress. The impact is most apparent in the changing fortunes of the Congress party, which suffered two major defeats in 2014 and 2019 elections, bringing the party's crisis to the front and centre of public debate. This book seeks to understand the reasons for these enormous changes by looking first at the underlying conditions that led to the decline of the Congress and, second, the challenges' both external and internal' confronting the Congress and, while doing so, estimating its impact on Indian politics and on the Congress. More

specifically, it looks at how important ideological debates provoked by the rise of majoritarianism, the Gujarat model, hypernationalism, the secular retreat, and the curbs and restrictions on the opposition influenced Congress. Exploring ideological shifts and organizational limits that shaped the decline of the Congress makes a compelling case for the significance of the Congress story in understanding the larger political transformation underway in India. The argument centers on the Congress party, but comparatively speaking, it has relevance for the experience of centrist and centre-left parties in other countries, which too suffered a decline in the context of the upsurge of populist nationalism and right-wing politics in the past few years. Analysis of political change in India in the past decade affords insights into the processes of transformation and polarization that grounded the Congress party and centrist parties in other countries as well. For decades, best-selling author Louise Hay has transformed people's lives by teaching them to let go of limiting beliefs. Now in this tour de force, Louise teams up with her go-to natural health and nutrition experts, Ahlea Khadro and Heather Dane, to reveal the other side of her secret to health, happiness, and longevity: living a nutrient-rich life. Unlike any health book you've ever read, this work transcends fads, trends, and dogma to bring you a simple yet profound system to heal your body, mind, and spirit that is as gentle as changing the way

you think. Louise, Ahlea, and Heather show you how to take your health, your moods, and your energy to the next level. In *Loving Yourself to Great Health*, you will; tap into the secrets Louise has used for decades to supercharge the effectiveness of affirmations and bring your body back into alignment with your mind; discover what nutrition really means and how to cut through the confusion about which diets really work; learn to hear the stories your body is eager to reveal; and uncover techniques for

longevity, vitality, good moods, deep intuition, and for meeting your body's unique healing needs at all stages of life. At 88 years of age, Louise has much wisdom to share about what it takes to live a long, happy, healthy life. We invite you to join us on an amazing journey that will turn your life into your greatest love story. This book investigates at both the micro- and macroeconomic levels the impact of mobile phones on poverty and inequality in developing countries. To gauge the effects of mobile phones on these aspects, the author refers to

the standard concept of technology adoption and also analyses the actual utilization of mobile phones as a means of communication and the degree to which they have supplanted fixed-line phones. Readers will learn why the substitution effect is stronger among poor than rich users and why the benefits of some mobile phone projects are confined to the local or village level, while in other projects the gains can be felt throughout the economy as a whole. oraclechain.io