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**Landslides: Detection, Prediction and Monitoring Resolutions and Decisions of the Security Council 2013-2014 POLICE AUDITING: Standards and Applications (2nd Ed.) Resolving Foreign Bribery Cases with Non-Trial Resolutions Settlements and Non-Trial Agreements by Parties to the Anti-Bribery Convention Remote Sensing for Food Security ECRM2012-Proceedings of the 11th European Conference on Research Methods Yearbook of the United Nations 2014 Yearbook of the United Nations 2013 The Geologic Time Scale 2012 China, State Sovereignty and International Legal Order Global Urban Monitoring and Assessment through Earth Observation Liquid Crystal Displays National 4 & 5 Computing Science Learn Java for Android Development *The Changing Nature of Religious Rights Under International Law Transformation processes in Egypt after 2011 Resolutions and Decisions of the Economic and Social Council Land of Blue Helmets Geophysical Monitoring for Geologic Carbon Storage The First Great Financial Crisis of the 21st Century Beginning Responsive Web Design with HTML5 and CSS3 Arbitration and Dispute Resolution in the Resources Sector The Ugandan Morality Crusade The Syrian Conflict's Impact on International Law Alternative Dispute Resolution in Patent Disputes* Historical Dictionary of the Syrian Uprising and Civil War **An Institutional Approach to the Responsibility to Protect** *The Global Community Yearbook of International Law and Jurisprudence 2012 Law and Practice of the United Nations Satellite Remote Sensing of Terrestrial Hydrology The Politics of Legal Regimes of Nuclear Energy in the Aspect of International Security TORUS 2 - Toward an Open Resource Using Services Smart Learning Environments Political Handbook of the World 2016-2017 Drug Control and International Law OLED Microdisplays Ships and Offshore Structures XIX Legal Advisers in International Organizations The Governance of EU Fundamental Rights Data Science in Agriculture and Natural Resource Management***

Proceedings of the 11th European Conference on Research Methods in Bolton, UK, on 28-29 June 2011 Written as the decade-long Syria conflict nears an end, this book explores changes in International Law brought about by the conflict. Methods and techniques for monitoring subsurface carbon dioxide storage Storing carbon dioxide in underground geological formations is emerging as a promising technology to reduce carbon dioxide emissions in the atmosphere. A range of geophysical techniques can be deployed to remotely track carbon dioxide plumes and monitor changes in the subsurface, which is critical for ensuring for safe, long-term storage. Geophysical Monitoring for Geologic Carbon Storage provides a comprehensive review of different geophysical techniques currently in use and being developed, assessing their advantages and limitations. Volume highlights include: Geodetic and surface monitoring techniques Subsurface monitoring using seismic techniques Subsurface monitoring using non-seismic techniques Case studies of geophysical monitoring at different geologic carbon storage sites The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals. "In memory of Professor Thomas M. Franck" Non-trial resolutions, often referred to as settlements, have been the predominant means of enforcing foreign bribery and other related offences since the entry into force of the OECD Anti-Bribery Convention 20 years ago. The last decade has seen a steady increase in the use of coordinated multi-jurisdictional non-trial resolutions, which have, to date, permitted the highest global amount of combined financial penalties in foreign bribery cases. This study is the first cross-country examination of the different types of resolutions that can be used to resolve foreign bribery cases. This book provides for an extensive legal analysis of the international drug control system in light of the growing challenges and criticism that this system faces. In the current debate on global drug policy, the central pillars of the international drug control system – the UN Drug Conventions as well as its institutions – are portrayed as outdated, suppressive and seen as an obstacle to necessary changes. The book’s objective is to provide an in-depth and positivist insight into drug control’s present legal framework and thus provide for a better understanding of the normative assumptions upon which drug control is currently based. This is attained by clarifying the objectives of the international drug control system and the premises by which these objectives are to be achieved. The objective of the current global framework of international drug control is the limitation of drugs to medical and scientific purposes. The meaning of this objective and its concrete implications for States’ parties as well as its problems from the perspective of other regimes of international law, most notably international human rights law, are extensively analysed. Additionally, the book focuses on how the international drug control system attempts to reach the objective of confining drugs to medical and scientific purposes, i.e. by setting up a universal system that exercises a rigid control on drug supply. The consequences of this heavy focus on the reduction of drug supply are outlined, and the book concludes by making suggestions on how the international drug control system could be reformed in the near future in order to better meet the existing challenges. The analysis occurs from a general international law perspective. It aims to map the international drug control system within a wider context of international law and to understand whether the problems that the international drug control system faces are exemplary for the difficulties that institutionalized systems of global scope face in the twenty-first century. This book, presented in three volumes, examines environmental disciplines in relation to major players in contemporary science: Big Data, artificial intelligence and cloud computing. Today, there is a real sense of urgency regarding the evolution of computer technology, the ever-increasing volume of data, threats to our climate and the sustainable development of our planet. As such, we need to reduce technology just as much as we need to bridge the global socio-economic gap between the North and South; between universal free access to data (open data) and free software (open source). In this book, we pay particular attention to certain environmental subjects, in order to enrich our understanding of cloud computing. These subjects are: erosion; urban air pollution and atmospheric pollution in Southeast Asia; melting permafrost (causing the accelerated release of soil organic carbon in the atmosphere); alert systems of environmental hazards (such as forest fires, prospective modeling of socio-spatial practices and land use); and web fountains of geographical data. Finally, this book asks the question: in order to find a pattern in the data, how do we move from a traditional computing model-based world to pure mathematical research? After thorough examination of this topic, we conclude that this goal is both transdisciplinary and achievable. With its comprehensive coverage of political and security matters, human rights issues, economic and social questions, legal issues, and institutional, administrative and budgetary matters, the Yearbook of the United Nations stands as the most authoritative reference work on the activities and concerns of the Organization. Fully indexed, the Yearbook includes the texts of all major General Assembly, Security Council and Economic and Social Council resolutions and decisions, putting all of these in a narrative context of United Nations consideration, decision and action. Seminar paper from the year 2013 in the subject Law - Civil / Private / Trade / Anti Trust Law / Business Law, grade: 1,1, Berlin School of Economics and Law, course: Internationalisierung von Wirtschaftsprozessen, language: English, abstract: Major cell phone manufacturers Apple and Samsung are currently accusing one another of infringing patents relating to their smartphones. The lawsuits simultaneously being carried out in several countries across the world are a burden to both companies. Due to the fact that the two stand in a crucial business relationship with each other, an alternative dispute resolution model may be appropriate. Methods such as mediation, arbitration and expert determination may be suitable. Patents are part of intellectual property protection and have grown in importance over the last decades. They protect an invention and can only be granted if certain criteria are met. However, patent holders litigate patent infringements in order to protect their competitive position. Alternative Dispute Resolution offers advantages such as a single procedure, autonomy of the parties, neutrality, finality of awards, confidentiality as well as enforceability, and has been known as a method of resolution since the 1980s. De-spite this, most international disputes are carried out in court, even though companies are aware that a trial is the least beneficial method. In the past, Apple had successfully negotiated patent litigation with several competitors, but initial attempts at Alternative Dispute Resolution have failed in the case of Apple and Samsung. However, it can still be carried next to court to find common ground and identify economic needs and interests that may support court litigation and direct it towards a beneficial outcome for both. In addition, it is advisable to implement an early-stage conflict management model for the future. This book aims to address emerging challenges in the field of agriculture and natural resource management using the principles and applications of data science (DS). The book is organized in three sections, and it has fourteen chapters dealing with specialized areas. The chapters are written by experts sharing their experiences very lucidly through case studies, suitable illustrations and tables. The contents have been designed to fulfil the needs of geospatial, data science, agricultural, natural resources and environmental sciences of traditional universities, agricultural universities, technological universities, research institutes and academic colleges worldwide. It will help the planners, policymakers and extension scientists in planning and sustainable management of agriculture and natural resources. The authors believe that with its uniqueness the book is one of the important efforts in the contemporary cyber-physical systems. In 1999, General Museveni, Uganda's autocratic leader, ordered police to arrest homosexuals for engaging in behavior that he characterized as "un-African" and against Biblical teaching. A state-sanctioned campaign of harassment of LGBT people followed. With the approval of sections of Uganda's clergy (and with the support of U.S. evangelicals) harsh morality laws were passed against pornography and homosexual acts. The former law disproportionately affected urban women, curtailing their freedoms. The latter--known as the "kill the gays bill"--called for life imprisonment or capital punishment for homosexuals. The author weaves together a series of vignettes that trace the development of Uganda's morality laws amidst Machiavellian politics, religious fundamentalism and the human rights struggle of LGBT Ugandans. In China, State Sovereignty and International Legal Order, Phil C.W. Chan explores the nexus between China’s exercise of State sovereignty and international legal order, and the locus in which State sovereignty resides in international law and foreign policy-making. Police auditing merits the attention of both practitioners and academics for two primary reasons. First, police auditing meets the need of police administrators to know about the economy, efficiency, and effectiveness of their organization and operations. Second, it provides an important mechanism for the public and its elected officials to fulfill their oversight responsibilities. This book provides a comprehensive examination of theories, standards, procedures, applications, and evaluations of police audits to allow the reader to obtain a detailed understanding of different aspects and types of police audits and apply the principles of auditing and data collection to various police programs. The book is readable for different audiences as it provides a review of police auditing along with discussions of planned change and incorporates standards and procedures in police auditing into social scientific research process and methods. The book is aimed at three types of readers. First, it provides police executives and managers with a timely and necessary understanding of police auditing as they conduct budget reviews and organizational diagnoses. Second, it serves as a valuable source of information for auditors and researchers who are either charged with the responsibility to perform police audits directly or engaged in evaluating audited police programs. Third, students in criminal justice programs will benefit from this book in courses that address research methods and police accountability issues. This book highlights several opportunities that exist in satellite remote sensing of large-scale terrestrial hydrology. It lays bare the novel concept of remote sensing hydrology and demonstrates key applications of advance satellite technology and new methods in advancing our fundamental understanding of environmental systems. This includes, using state-of-the-art satellite hydrology missions like the Gravity Recovery and Climate Experiment and other multi-mission satellite systems as important tools that underpin water resources planning and accounting. This book discusses and demonstrates how the efficacy, simplicity, and sophistication in novel computing platforms for big earth observation data can help facilitate environmental monitoring and improve contemporary understanding of climate change impacts on freshwater resources. It also provides opportunities for practitioners and relevant government agencies to leverage satellite-based information in a transdisciplinary context to address several environmental issues affecting society. This book provides a general framework and highlights methods to help improve our understanding of hydrological processes and impact analysis from extreme events (e.g., droughts, floods) and climate change. This book represents a comprehensive contemporary view of the current, hot, and controversial issues revolving around nuclear energy. It involves issues of international/national security where realpolitik, in terms of power politics, remain key features in State relations. States, through international law and cooperation, managed to put in place a nuclear energy management regime with the Non-Proliferation Treaty as its main pillar. The book analyzes the role of international law in this highly sensitive issue, with referral to specific cases of proliferation and the current standings in the control of nuclear energy. (Series: International Law and International Relations / Volkerrecht und internationale Beziehungen - Vol. 9) [Subject: International Affairs, Security Studies, Politics, Energy Studies, International Law] This book represents the first attempt to examine how EU fundamental rights are protected and enforced by EU governing bodies. This unique book presents an in-depth analysis of the provision of legal advice at international organizations. It elucidates the dual role of legal advisers as representatives of their organization and as international civil servants acting as protectors and promoters of international law. Official Records of the Resolutions and Decisions of the Economic and Social Council for Organizational and Resumed Organizational and Substantive and Resumed Substantive Sessions of 2014. Cities and towns are the original producers of many of the global environmental problems related to waste disposal, and air and water pollution. There is a rapidly growing need for technologies that will enable monitoring of the world’s natural resources and urban assets, and managing exposure to natural and man-made risks. The Group on Earth Observation (GEO) calls for strengthening the cooperation and coordination among global observing systems and research programs. Global Urban Monitoring and Assessment through Earth Observation introduces this important international collaborative effort, reviews the current state of global urban remote sensing, and expands on future directions in the field. The book reviews the current state of global urban monitoring, assessment, modeling, and prediction through Earth observation and related technologies. It then introduces GEO’s important international collaborative effort—Global Urban Observation and Information Task—and the current state of global urban remote sensing and future directions. It explores groundbreaking work in urban remote sensing and examines how it could contribute to the development of innovative concepts and techniques for sustainable urban development. Despite significant progress in recent years, there remain substantial gaps in ongoing national, regional, and global efforts to address environmental challenges. Edited by a well-known expert in the field of remote sensing, GIS, and other geospatial technologies, this book addresses the gaps in an effective and long-term manner, highlighting the importance of increased coordination and networking among major stakeholders and of working together with other key international mechanisms. Drawing on the expertise of pioneers in the field from across the globe, the book details emerging research in the theory, methods, and techniques of urban remote sensing that provide insight into how to solve the major issues of sustainable development—**one of the most important issues facing society in the future. Microdisplays are displays requiring optical magnification and OLEDs (Organic Light-Emitting Diode) are self-emitting displays where each pixel includes a LED made of organic material, in general composed of small-molecule organic material. This title reviews in detail how OLED microdisplays are made as well as how they are used. All aspects from theory to application will be addressed: basic principles, display design, display fabrication, operation and performances, present and future applications. The book will be useful to anyone interested in this rapidly developing field, such as students or researchers, industry professionals (engineers, project leaders) in the field of display development/fabrication and display end-users. Historical Dictionary of the Syrian Uprising and Civil War contains a chronology, an introduction, and an extensive bibliography. The dictionary section has more than 200 cross-referenced entries on the major events, places, and actors in the Syrian uprising. Born in 1945, the United Nations came to life in the Arab world. It was there that the UN dealt with early diplomatic challenges that helped shape its institutions such as peacekeeping and political mediation. It was also there that the UN found itself trapped in, and sometimes part of, confounding geopolitical tensions in key international conflicts in the Cold War and postCold War periods, such as hostilities between Palestine and Iraq and between Libya and Syria. Much has changed over the past seven decades, but what has not changed is the central role played by the UN. This book’s claim is that the UN is a constant site of struggle in the Arab world and equally that the Arab world serves as a location for the UN to define itself against the shifting politics of its age. Looking at the UN from the standpoint of the Arab world, this volume collects some of the finest scholars and practitioners writing about the potential and the problems of a UN that is framed by both the promises of its Charter and the contradictions of its member states. This is a landmark bookNa close and informed study of the UN in the region that taught the organization how to do its many jobs. Published since 1928, the Political Handbook of the World provides timely, thorough, and accurate political information with more in-depth coverage of current political controversies and political parties than any other reference guide. The updated 2016–2017 Edition continues this legacy as the most authoritative source for finding complete facts and analysis on each country’s governmental and political makeup. Political science and international relations scholars have revised this edition, and made understanding complex foreign affairs andpolitical situations easy and accessible. With more than 200 entries on countries and territories throughout the world, housed in one place, these volumes are renowned for their extensive coverage of all major and minor political parties and groups in each political system. They also provide names of key ambassadors and international memberships of each country, plus detailed profiles of more than 30 intergovernmental organizations and United Nations agencies. This comprehensive update will include coverage of current events, issues, crises, and controversies from the course of the last two years, including: The closely-watched U.S. presidential election The effect of the Brexit referendum and installment of a new British prime minister The extensive investigation and subsequent impeachment of Brazil’s president The far-reaching impact of the “Panama Papers” scandal Changes in U.S.–Cuba diplomatic relations and the reopening of their embassies The unconstitutional declaration of Gambia as an Islamic State Sentiments about the migrant and refugee crisis across Europe and the influence on policy Also, the new “For Further Reference” feature included for every country entry directs readers to additional resources to continue their research. "The book explores, and challenges, the particular institutional perspectives which emerge in the context of differing approaches to the protection of religious rights. It identifies new directions for approaching religious rights through international law by examining existing legal tools, assessing their achievements and shortcomings. By studying religious organizations' support for international human rights protection, as well as religious critiques of international human rights, it offers complementary perspectives on the institutions and processes of religious rights protection. It identifies ways in which these rights are being eroded and suggests new forms of reinforcement and protection, not least by way of an alternative religious 'bill of rights'. So this collection of essays is offered as a record of a set of important debates. The texts expose not merely the evolving normative framework within which questions of religious rights are resolved in international law. The Editors have been as much interested in how activists in the human rights field perceive that framework, as well as the political contests which lie behind them. By interweaving practitioner perspectives with scholarly reflection, the volume provides an opportunity for the reader to come away with an understanding of how international law works in a context both fascinating and fluid"-- Unedited summary from book jacket. Official documents of Resolutions and Decisions of the Security Council, 2013-2014. "Although there have been numerous studies of the causes and consequences of the Great Financial Crisis of 2007–2010 in the US and abroad, many of these were undertaken only for a small number of countries and before the financial and economic effects were fully realized and before various governmental policy responses were decided upon and actually implemented. This book aims to fill these voids by providing a more thorough assessment now that the worst events and the regulatory reforms are sufficiently behind us and much more information about these developments is available. It reviews and analyzes the causes and consequences of and the regulatory responses to the Great Financial Crisis, particularly from a public policy viewpoint. In the process, it explores such intriguing questions as: What caused the crisis? How did the crisis differ across countries? What is the outlook for another crisis, and when? This is a must read for those who are trying to find answers to these questions."--\$cProvided by publisher. Covering the main political organs of the UN, important regional and security organizations, international judicial institutions and the regional human rights protection systems, An Institutional Approach to the Responsibility to Protect examines the roles and responsibilities of the international community regarding the responsibility to protect. It also proposes improvements to the current system of collective security and human rights protection. LIQUID CRYSTAL DISPLAYS THE NEW EDITION OF THE GOLD-STANDARD IN TEACHING AND REFERENCING THE FUNDAMENTALS OF LCD TECHNOLOGIES This book presents an up-to-date view of modern LCD technology. Offering balanced coverage of all major aspects of the field, this comprehensive volume provides the theoretical and practical information required for the development and manufacture of high-performance, energy-efficient LCDs. The third edition incorporates new technologies and applications throughout. Several brand-new chapters discuss topics such as the application of Oxide TFTs and high mobility circuits, high-mobility TFT-semiconductors in LCD addressing, liquid crystal displays in automotive instrument clusters and touch-screen systems, and the use of ultra-high-resolution LCD panels in augmented reality (AR) and virtual reality (VR) displays. This practical reference and guide: Provides a complete account of commercially relevant LCD technologies, including their physics, mathematical descriptions, and electronic addressing Features extensively revised and expanded information, including more than 150 pages of new material Includes the addition of Oxide Transistors and their increased mobilities, the advances of fringe field switching and an overview of automotive displays Presents quantitative results with full equation sets, their derivation, and tabular summaries of related information sets Learn Java for Android Development, Third Edition, is an update of a strong selling book that now includes a primer on Android app development (in Chapter 1 and Appendix C, which is distributed in the book’s code archive). This book teaches programmers the essential Java language skills necessary for effectively picking up and using the new Android SDK platform to build mobile, embedded, and even PC apps, especially game apps. Android development is hot, and many programmers are interested in joining the fun. However, because this technology is based on Java, you should first obtain a solid grasp of the Java language and its APIs in order to improve your chances of succeeding as an effective Android app developer. This book helps you do that. Each of the book’s 16 chapters provides an exercise section that gives you the opportunity to reinforce your understanding of the chapter’s material. Answers to the book’s more than 700 exercises are provided in an appendix. A second appendix provides a significant game-oriented Java application, which you can convert into an Android app. Once you complete this one-of-a-kind book written by Jeff Friesen, an expert Java developer and JavaWorld.com columnist, you should be ready to begin your indie or professional Android app development journey. This book intends to decipher the knowledge in the advancement of understanding, detecting, predicting, and monitoring landslides. The number of massive landslides and the damages they cause has increased across the globe in recent times. It is one of the most devastating natural hazards that cause widespread damage to habitat on a local, regional, and global scale. International experts provide their experience in landslide research and practice to help stakeholders mitigate and predict potential landslides. The book comprises chapters on: Dynamics, mechanisms, and processes of landslides; Geological, geotechnical, hydrological, and geophysical modelling for landslides; Mapping and assessment of hazard, vulnerability, and risk associated with landslides; Monitoring and early warning of landslides; Application of remote sensing and GIS techniques in monitoring and assessment of landslides. The book will be of interest to researchers, practitioners, and decision-makers in adapting suitable modern techniques for landslide study. With its comprehensive coverage of political and security matters, human rights issues,**

economic and social questions, legal issues, and administrative and budgetary matters, the Yearbook of the United Nations stands as the authoritative reference work on the annual activities and concerns of the Organization. Fully indexed, the Yearbook includes all major General Assembly, Security Council and Economic and Social Council resolutions and decisions, uniquely placing them in a narrative context of United Nations consideration, deliberation and action. This sixty-eighth volume presents the work of the United Nations in dealing with recurring conflicts with severe humanitarian consequences including in the Syrian Arab Republic, where more than 12 million people were in need of basic food, clothing and shelter. The volume also highlights the Organization's rapid response to an escalatory global health emergency—the Ebola virus disease outbreak across West Africa. It documents the Organization's coordination of policy discussions to finalize a global sustainable development agenda, with the security of future generations as the core concern; and its efforts to rebuild societies emerging from conflict while keeping the fragile peace in other places. It further details the entry into force of the landmark Arms Trade Treaty, the missile downing of a passenger airliner in the midst of a geopolitical crisis in eastern Ukraine, and securing international human rights and humanitarian law and prosecuting abusers. The Global Community Yearbook is a one-stop resource for all researchers studying international law generally or international tribunals specifically. The Yearbook has established itself as an authoritative source of reference on global legal issues and international jurisprudence. It includes analysis of the most significant global trends in a way that allows readers to monitor the development of the global legal order from several perspectives. The Global Community Yearbook publishes annually in two-volume editions of carefully chosen primary source material and corresponding expert commentary. The general editor, Professor Giuliana Ziccardi Capaldo, employs her vast expertise in international law to select excerpts from important court opinions and also to choose experts from around the world who contribute essay-guides to illuminate those cases. Although the main focus is recent case law from the major international tribunals and regional courts, the first volume of each year's edition features expert articles by renowned scholars who address broader themes in current and future developments in international law and global policy, themes that appear throughout the case law of the many courts covered by the series as a whole. The Global Community Yearbook has thus become not just an indispensable window to recent jurisprudence: the series now also serves to prepare researchers for the issues facing emerging global law. The 2012 edition of The Global Community Yearbook both updates readers on the important work of long-standing international tribunals and introduces readers to more novel topics in international law. The Yearbook has established itself as an authoritative resource for research and guidance on the jurisprudence of both U.N.-based tribunals and regional courts. The 2012 edition continues to provide expert coverage of diverse tribunals from the criminal tribunals for the Former Yugoslavia and Rwanda, to economically-based tribunals such as ICSID and the WTO Dispute Resolution panel. This edition includes expert introductory essays by prominent scholars in the realm of international law, on topics as diverse and current as the global governance of energy and the global health policy. In the court opinion excerpts and expert commentary included in the 2012 edition, researchers will find detailed guidance on a rich diversity of legal topics, from the protection of fundamental rights in the European Union in the wake of the entry into force of the Lisbon Treaty to challenges relating to ICSID's jurisdiction over "investments." On these questions and a host of others, this edition provides to students, scholars, and practitioners alike a valuable combination of expert discussion and direct quotes from the court opinions to which that discussion relates. This publication can also be purchased on a standing order basis. This three-volume work presents the proceedings from the 19th International Ship and Offshore Structures Congress held in Cascais, Portugal on 7th to 10th September 2015. The International Ship and Offshore Structures Congress (ISSC) is a forum for the exchange of information by experts undertaking and applying marine structural research. The aim of This book provides a comprehensive Australian perspective on the resolution of resources disputes. In particular, it focuses on the use of arbitration, mediation and adjudication in the resources sector. It concentrates on arbitration as the preferred method of dispute resolution, including international commercial and investor-state arbitration. The book offers fascinating insights into the use of arbitration to investment disputes involving resources companies in the African OHADA countries, Australia and other countries. It offers an Australian perspective which will be useful to discerning arbitration scholars and dispute resolvers. In addition, the book provides useful information on how to draft arbitration clauses for resources sector contracts. This publication will be of interest to members of the academic research community and will also appeal to dispute resolution professionals and practitioners. This volume gathers a variety of applications for remote sensing of vegetation health (VH) and concretely shows how this information can be used in service of ending hunger and of ensuring future food security. In this book's ten chapters, Dr. Felix Kogan, one of the most prolific scientists in this sphere, shows how a new VH method, designed from operational environmental satellite data, can be used to provide advanced predictions of agricultural losses, helping to enhance food security and reducing the number of hungry people. Topics covered include the scientific basis of the VH method, drought monitoring, prediction of short-term agricultural yield and crop insurance, and impacts of long term climate variability and change on food security. A short discussion on VH for human health-related topics such as detection and prediction of malaria and fire risk is included as well. This book addresses main issues concerned with the future learning, learning and academic analytics, virtual world and smart user interface, and mobile learning. This book gathers the newest research results of smart learning environments from the aspects of learning, pedagogies, and technologies in learning. It examines the advances in technology development and changes in the field of education that has been affecting and reshaping the learning environment. Then, it proposes that under the changed technological situations, smart learning systems, no matter what platforms (i.e., personal computers, smart phones, and tablets) they are running at, should be aware of the preferences and needs that their users (i.e., the learners and teachers) have, be capable of providing their users with the most appropriate services, helps to enhance the users' learning experiences, and to make the learning efficient. The Geologic Time Scale 2012, winner of a 2012 PROSE Award Honorable Mention for Best Multi-volume Reference in Science from the Association of American Publishers, is the framework for deciphering the history of our planet Earth. The authors have been at the forefront of chronostratigraphic research and initiatives to create an international geologic time scale for many years, and the charts in this book present the most up-to-date, international standard, as ratified by the International Commission on Stratigraphy and the International Union of Geological Sciences. This 2012 geologic time scale is an enhanced, improved and expanded version of the GTS2004, including chapters on planetary scales, the Cryogenian-Ediacaran periods/systems, a prehistory scale of human development, a survey of sequence stratigraphy, and an extensive compilation of stable-isotope chemostratigraphy. This book is an essential reference for all geoscientists, including researchers, students, and petroleum and mining professionals. The presentation is non-technical and illustrated with numerous colour charts, maps and photographs. The book also includes a detachable wall chart of the complete time scale for use as a handy reference in the office, laboratory or field. The most detailed international geologic time scale available that contextualizes information in one single reference for quick desktop access Gives insights in the construction, strengths, and limitations of the geological time scale that greatly enhances its function and its utility Aids understanding by combining with the mathematical and statistical methods to scaled composites of global succession of events Meets the needs of a range of users at various points in the workflow (researchers extracting linear time from rock records, students recognizing the geologic stage by their content) Provides full coverage of the National 4 & 5 course and is endorsed by SQA. This comprehensive textbook provides full coverage of the Computing Science courses offered by the Scottish Qualifications Authority at both National 4 and 5 levels. The book is divided into two core units of the syllabus, Software Design and Development and Information System Design and Development, and is attractively designed in full colour throughout. - The first comprehensive book for National 4 and 5 Computing Science - Written by the bestselling author of 'Standard Grade Computing Studies' Beginning Responsive Web Design with HTML5 and CSS3 is your step-by-step guide to learning how to embrace responsive design for all devices. You will learn how to develop your existing HTML, CSS, and JavaScript skills to make your sites work for the modern world. Web sites and apps are now accessed on a wide range of devices with varied sizes and dimensions, so ensuring your users have the best experience now means thinking responsive. In Beginning Responsive Web Design with HTML5 and CSS3 you will learn about all aspects of responsive development. You'll start with media queries, and fluid CSS3 layouts. You'll see how to use responsive frameworks such as Twitter Bootstrap, and how to use tools such as Grunt, Bower, Sass, and LESS to help save you time. You'll also learn how to use JavaScript to manage responsive states, manage your user's journey across screen sizes, and optimize your responsive site. By the end of the book you will be able to build new sites responsively, and update existing sites to be responsive. Every aspect of a responsive build will be covered. This book is perfect for developers who are looking to move into the future of responsive sites. Whether you have already dipped your toes into responsive development or are just getting started, Beginning Responsive Web Design with HTML5 and CSS3 will teach you the very best techniques to optimize your site and your user's experience. "The main advantage of this monograph is that it attempts to conduct the most up-to-date analysis possible of the present political situation in Egypt and the Middle East. Therefore we receive a monograph which allows us not only to look at the Arab Spring from a historical perspective, but primarily to reflect on the consequences of these past events that it was hoped would spark political reforms in Arab states and facilitate greater public participation in the system of governance. Thus, this publication allows the verification of many of the judgments and opinions expressed during the Arab Spring, on the possible direction of development of the political processes initiated by the massive social revolts in Arab countries."

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