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WALCOM: Algorithms and  
Computation John Wiley &  
Sons  
Energy projects in Latin  
America are a major  
contributor to economic

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growth worldwide. This book is the first to offer a comprehensive, in-depth analysis of specific issues arising from energy and natural resources contracts and disputes in the region, covering a wide range of procedural, substantive, and socio-legal issues. The book also includes how states have shifted from passive business partners to more active controlling players. The book contains an extensive treatment and examination of the particularities of arbitration practice in Latin America, including arbitrability, public order, enforcement, and the

complex public-private nature of energy transactions. Specialists experienced in resolving international energy and natural disputes throughout the region provide detailed analysis of such issues and topics, including: state-owned entities as co-investors or contracting parties; role of environmental law, indigenous rights and public participation; issues related to political changes, corruption, and quantification of damages; climate change, renewable energy, and the energy transition; force majeure,

hardship, and price reopeners; arbitration in the electricity sector; take-or-pay contracts; recognition and enforcement of awards; tension between stabilization clauses and human rights; mediation as a method for dispute settlement in the energy and natural resources sector; and different comparative approaches taken by national courts in key Latin American jurisdictions. The book also delivers a clear explanation on the impact made to the arbitration process by Covid-19, emerging laws, changes of political

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circumstances, the economic global trends in the oil & gas market, the energy transition, and the rise of new technologies. This invaluable book will be welcomed by in-house lawyers, government officials, as well as academics and rest of the arbitration community involved in international arbitration with particular interest in the energy and natural resources sector.

*Markesinis and Deakin's Tort Law* Springer  
Science & Business  
Media  
Handbook of

Hydrocolloids, Third Edition is a must-have substantive reference on hydrocolloids, helping food industry scientists ever since its first edition was published and well received. This thoroughly updated and expanded edition reviews the structure, function, properties, and applications of a broad range of hydrocolloids used in food and related industries. The third edition updates existing chapters on developments

and theories on the structure and functional characteristics of individual hydrocolloids. The book provides additional chapters on new techniques for the chemical and physicochemical characterization of hydrocolloids, and applications technologies for encapsulation and controlled release of active compounds. Edited by two leading international authorities in the field, this third edition continues to

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be relevant to food industry researchers, food manufacturers, graduate and postgraduate students, particularly in food, pharmaceutical, and cosmetic sciences. Introduces to food hydrocolloids considering regulatory aspects and functional characteristics Examines the manufacture, structure, function, and applications of over twenty-five hydrocolloids Brings a detailed overview of the function of hydrocolloids

as emulsifiers, rheological modifiers, film formers, and encapsulation agents Seismic Performance of Soil-Foundation-Structure Systems ABC-CLIO Now in its eighth edition Markesinis and Deakin's Tort Law provides a general overview of the law and full discussion of the academic debates on all major topics, highlighting the relationship between the common law, legislation, and judicial policy. In addition, the authors provide a variety of comparative and economic

perspectives on the law of tort and its likely development, always placing the subject in its socio-economic context thereby giving students a deeper and richer understanding of tort law. This detailed and authoritative book offers teachers a wide range of topics to cover, while providing students with a text which is both descriptive and reflective of this branch of law. Brands and Their Companies Routledge This volume contains papers that

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have been selected after review for oral presentation at ISRM 2015, the Fourth IFToMM International Symposium on Robotics and Mechatronics held in Poitiers, France 23-24 June 2015. These papers provide a vision of the evolution of the disciplines of robotics and mechatronics, including but not limited to: mechanism design; modeling and simulation; kinematics and dynamics of multibody systems; control methods; navigation and motion planning; sensors and actuators; bio-robotics; micro/nano-robotics; complex robotic systems; walking machines, humanoids-parallel kinematic structures: analysis and synthesis; smart devices; new design; application

and prototypes. The book can be used by researchers and engineers in the relevant areas of robotics and mechatronics.

Private Armed Forces and Global Security: A Guide to the Issues  
Springer

The majority of the cases of earthquake damage to buildings, bridges, and other retaining structures are influenced by soil and ground conditions. To address such phenomena, Soil Dynamics and Earthquake

Engineering is the appropriate discipline. This textbook presents the fundamentals of Soil Dynamics, combined with the basic principles, theories and methods of Geotechnical Earthquake Engineering. It is designed for senior undergraduate and postgraduate students in Civil Engineering & Architecture. The text will also be useful to young

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faculty members, practising engineers and consultants. Besides, teachers will find it a useful reference for preparation of lectures and for designing short courses in Soil Dynamics and Geotechnical Earthquake Engineering. The book first presents the theory of vibrations and dynamics of elastic system as well as the fundamentals of engineering seismology. With this background, the readers are introduced to the characteristics of Strong Ground Motion, and Deterministic and Probabilistic seismic hazard analysis. The risk analysis and the reliability process of geotechnical engineering are presented in detail. An in-depth study of dynamic soil properties and the methods of their determination provide the basics to tackle the dynamic soil-structure interaction problems. Practical problems of dynamics of beam-foundation systems, dynamics of retaining walls, dynamic earth pressure theory, wave propagation and liquefaction of soil are treated in detail with illustrative examples. *Advances in Dynamic*

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*Games* Oxford University Press, USA  
This book presents intelligent data analysis as a tool to fight against COVID-19 pandemic. The intelligent data analysis includes machine learning, natural language processing, and computer vision applications to teach computers to use big data-based models for pattern recognition, explanation, and prediction. These functions are discussed in detail in

the book to recognize (diagnose), predict, and explain (treat) COVID-19 infections, and help manage socio-economic impacts. It also discusses primary warnings and alerts; tracking and prediction; data dashboards; diagnosis and prognosis; treatments and cures; and social control by the use of intelligent data analysis. It provides analysis reports, solutions using real-time data, and solution through web applications

details.  
*Global Information Society* RILEM Publications  
Official Gazette of the United States Patent and Trademark Office  
*Advances in Dynamic Games* Springer Science & Business Media  
*Robotics and Mechatronics* CRC Press  
This directory provides the reader with quick-access to information on more than 8000 companies, research centres and academic institutions

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involved in new and established technologies. This edition offers more than 600 all-new organization listings, including new listings in Europe.

*Brands And Their Companies* Springer  
ONE OF A FOUR-BOOK  
COLLECTION

SPOTLIGHTING CLASSIC  
ARTICLES Five decades  
of landmark original  
research findings  
and reviews  
Highlighting some of  
the most important  
findings reported  
over the past five

decades, this volume  
features some of the  
best technical papers  
published on alumina  
and bauxite from 1963  
to 2011. Papers have  
been divided into  
thirteen subject  
sections for ease of  
access. Each section  
has a brief  
introduction and a list  
of recommended articles  
for researchers  
interested in exploring  
each subject in greater  
depth. Only about  
fifteen percent of the  
alumina and bauxite  
papers ever published in  
Light Metals were

chosen for this  
volume. Selection was  
based on a rigorous  
review process. Among  
the papers, readers will  
find landmark original  
research findings and  
expert reviews  
summarizing current  
thinking on key topics  
at the time  
of publication. From  
basic research to  
advanced applications,  
the articles published  
in this volume  
collectively represent  
our body of knowledge in  
alumina and bauxite.  
Students, scientists,  
and engineers should



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turn to this volume to discover the historical development of alumina and bauxite research as well as the current state of the science and the technology. Moreover, the papers published in this volume will serve as a springboard for future research and discoveries.

*Computer Law* Gale  
Cengage

There are few existential challenges more serious in the twenty first century than

energy transition. As current trends in energy production prove unsustainable for the environment, energy security, and economic development, innovation becomes imperative. Yet, with technological challenges, come legal challenges. Zillman, Godden, Paddock, and Roggenkamp assemble a team of experts in their field to debate how the law may have to adapt to changes

in the area. What regulatory approach should be used? How do we deal with longer-term investment horizons and so called 'stranded assets' such as coal-fired power stations? And can a form of energy justice be achieved which encompasses human rights, sustainable development goals, and the eradication of energy poverty? With a concept as

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unwieldy as energy innovation, it is high time for a text tackling changes which are dynamic and diverse across different communities, and which provides a thorough examination of the legal ramifications of the most recent technological changes. This book which be of vital importance to lawyers, policy-makers, economists,

and the general reader.  
Iterative Dynamic Programming  
Woodhead Publishing  
The Palgrave Handbook of Natural Gas and Global Energy Transitions provides an in-depth and authoritative examination of the transformative implications of the ongoing global energy transitions for natural gas

markets across the world. With case studies from Africa, Asia, Europe, North America, Latin America, South America, Australia, and the Middle East, the volume introduces readers to the latest legal, policy, technological, and fiscal innovations in natural gas markets in response to ongoing global

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energy transitions. It outlines the risk mitigation strategies and contractual techniques focusing on resilience planning, low-carbon business models, green procurement, climate-smart infrastructure development, accountability, gender justice, and other sustainability safeguards that are required to maximize the full value of natural gas as a catalyst for a just and equitable energy transition and for energy security across the world. Written in a user-friendly style, this book outlines the guiding principles for a responsible and low-carbon approach to the design, financing, and implementation of natural gas development and commercialization. It is an indispensable text and reference work for students, scholars, practitioners, and stakeholders in natural gas, energy, infrastructure, and investments and projects. Damilola

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S. Olawuyi, SAN, Expert of the part-time, honorary, FCIArb is Associate Working Group on associate, adjunct, Professor of Law at Extractive researcher and/or Hamad Bin Khalifa Industries, visiting scholar at University, Doha, Environment, and a number of other Qatar. He is also Human Rights leading academic Chancellors Fellow Violations in institutions around and Director of the Africa, formed by the world Institute for Oil, the African (including the Gas, Energy, Commission on Human University of West Environment and and Peoples Rights. Indies, University Sustainable Eduardo G. Pereira of Sao Paulo, Development (OGEEES is Professor of Strathmore Institute) at Afe Natural Resources University, Babalola and Energy Law at Agostinho Neto University, Ado Siberian Federal University, Ekiti, Nigeria. He University, Russia, University of is an Independent and is a full-time, Aberdeen, and

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Externado University of Colombia, among others).

**International Arbitration in Latin America**

PHI Learning Pvt. Ltd.

This book focuses on various aspects of dynamic game theory, presenting state-of-the-art research and serving as a testament to the vitality and growth of the field of dynamic games and their applications. The selected contributions, written by experts in their

respective disciplines, are outgrowths of presentations originally given at the 13th International Symposium of Dynamic Games and Applications held in Wrocław. The book covers a variety of topics, ranging from theoretical developments in game theory and algorithmic methods to applications, examples, and analysis in fields as varied as environmental management, finance and economics, engineering, guidance and control,

**Programmer's Market**

IGI Global  
Issues in Engineering Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Safety Engineering. The editors have built Issues in Engineering

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Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Safety Engineering in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and

relevant. The content of Issues in Engineering Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and

edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

**Essential Readings in Light Metals, Alumina and Bauxite** PHI Learning Pvt. Ltd.

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Seismic Performance of Soil-Foundation-Structure Systems presents invited papers presented at the international workshop (University of Auckland, New Zealand, 21-22 November 2016). This international workshop brought together outstanding work in earthquake engineering that embraces a holistic consideration of soil foundation-structure systems. For example,

the diversity of papers in this volume is represented by contributions from the fields of shallow foundation in liquefiable soil, spatially distributed lifelines, bridges, clustered structures (see photo on front cover), sea floor seismic motion, multi-axial ground excitation, deep foundations, soil-foundation-structurefluid interaction,

liquefaction-induced settlement and uplift with SFSI. A fundamental knowledge gap is manifested by the isolated manner geotechnical and structural engineers work. A holistic consideration of soil foundation-structure systems is only possible if civil engineers work collaboratively to the mutual benefit of all disciplines. Another gap occurs by the retarded

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application of up-to-date research findings in engineering design practices. Seismic Performance of Soil-Foundation-Structure Systems is the outcome from the recognized need to close this gap, since it has been observed that a considerable delay exists between published research findings and application of the principles revealed by the research.

Seismic Performance of Soil-Foundation-Structure Systems will be helpful in developing more understanding of the complex nature of responses these systems present under strong earthquakes, and will assist engineers in closing the gaps identified above.

**Cases & Materials on Criminal Law**

Scholarly Editions  
This book constitutes the proceedings of

the 12th International Workshop on Algorithms and Computation, WALCOM 2018, held in Dhaka, Bangladesh, in March 2018. The 22 full papers presented were carefully reviewed and selected from 50 submissions. The papers cover diverse areas of algorithms and computation, such as approximation algorithms, computational geometry,



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combinatorial algorithms, computational biology, computational complexity, data structures, graph and network algorithms, and online algorithms.  
LC GC Oxford University Press  
This directory provides in-depth information on a range of suppliers and services, including named contacts, within the

industry. The comprehensive nature of its coverage ensures high usage by operating companies and their branches throughout the world, plus offshore specifiers and contractors. It is aimed for use by key decision makers in all sectors of the industry including technical engineers, production managers and buyers, senior directors and managing directors.

**Australian Official Journal of Patents**  
Springer  
Through an array of theoretical approaches and empirical material, this comprehensive and accessible volume surveys private armed forces and directly challenges conventional stereotypes of security contractors.  
• Extracts of key legal documents related to mercenary activity and the

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regulation of the export of defense articles and services help illuminate the laws under which private military forces operate • A bibliography highlights significant material focusing on the study of the privatization of security and private military companies and cites key authors and sources of important empirical evidence  
CRC Press

Covers information technology management and issues in operating information systems in the global business environment. Discusses the global information technology theory, frameworks and IT architecture, discovery of global knowledge management, improvement of the global information systems development methodologies, and applications of the latest technologies such as mobile technology and Web services in global

information systems development and operations.  
Innovation in Energy Law and Technology Springer  
Dynamic programming is a powerful method for solving optimization problems, but has a number of drawbacks that limit its use to solving problems of very low dimension. To overcome these limitations, author

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Rein Luus suggested using it in an iterative fashion. Although this method required vast computer resources, modifications to his original scheme Publishers, Distributors, & Wholesalers of the United States Springer Nature Cases and Materials on Criminal Law provides a comprehensive

selection of key materials drawn from law reports, legislation, Law Commission consultation papers and reports, and Home Office publications. Clear and highly accessible, this volume is presented in a coherent structure and provides full coverage of the topics commonly found in the

criminal law syllabus. The range of thoughtfully selected materials and authoritative commentary ensures that this book provides an essential collection of materials and analysis to stimulate the reader and assist in the study of this difficult and challenging area of law. New features

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include: revised text design with clear page layout, headings and boxed and shaded sections to aid navigation and readability chapter introductions to highlight the salient features under discussion short chapter table of contents to enable easier navigation "Comments and Questions" sections to encourage students to reflect on their reading expanded further reading to encourage students to engage further with the subject a Companion Website to provide regular updates to the book. Recent decisions of note that are extracted and analysed include R v Kennedy (manslaughter based on supply of heroin); Attorney General for Jersey v Holley (provocation); R v Mark and R v Willoughby (elements of killing by gross negligence); R v Barnes (consent as a defence to sporting injuries); Attorney General's Reference (No 3 of 2004) (accessorial liability) and R v Hatton (intoxicated mistake in self

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defence cases). Consideration is also given to the likely changes to the law relating to corporate manslaughter, at the time of writing contained in the Corporate Manslaughter and Corporate Homicide Bill currently before Parliament. Two major law reform publications are extensively extracted and contextualised in this 4th edition - the Law Commission's report on Murder, Manslaughter and Infanticide (Law Com No 304) and the Law Commission's Report on Inchoate Liability for Assisting and Encouraging Crime (Law Com No 300). This book is an invaluable reference for students on undergraduate or CPE/PG Diploma in Law criminal law courses, particularly those studying independently or on distance learning programmes.