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### KEY=COMPUTING - JESUS HANEY

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#### CAMBRIDGE INTERNATIONAL AS AND A LEVEL COMPUTING REVISION GUIDE

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Cambridge University Press Provides guidance on tackling the different types of examination questions.

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#### CAMBRIDGE INTERNATIONAL AS AND A LEVEL COMPUTING COURSEBOOK

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Cambridge University Press Written for the AS/A-Level Computing syllabus, this coursebook follows the bullet points of the syllabus chronologically.

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#### CAMBRIDGE INTERNATIONAL AS AND A LEVEL COMPUTER SCIENCE REVISION GUIDE

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Cambridge University Press Cambridge International AS and A Level Computer Science offers a complete set of resources to accompany the 9608 syllabus. This revision guide helps students to prepare and practice skills for the Cambridge AS and A Level Computer Science examination. It contains clear explanations and key information to support learners, with additional practice questions to help students feel confident and reinforce their understanding of key concepts.

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#### WORLD TRADE STATISTICAL REVIEW 2019

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International Trade Statistics A comprehensive overview of the latest developments in world trade, covering the details of merchandise trade by product and trade in commercial services

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#### GEOLOGICAL SURVEY WATER-SUPPLY PAPER

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#### COMPLEXITY AND APPROXIMATION

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#### COMBINATORIAL OPTIMIZATION PROBLEMS AND THEIR APPROXIMABILITY PROPERTIES

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Springer Science & Business Media This book documents the state of the art in combinatorial optimization, presenting approximate solutions of virtually all relevant classes of NP-hard optimization problems. The wealth of problems, algorithms, results, and techniques make it an indispensable source of reference for professionals. The text smoothly integrates numerous illustrations, examples, and exercises.

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#### MULTIPLE VIEW GEOMETRY IN COMPUTER VISION

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Cambridge University Press A basic problem in computer vision is to understand the structure of a real world scene given several images of it. Techniques for solving this problem are taken from projective geometry and photogrammetry. Here, the authors cover the geometric principles and their algebraic representation in terms of camera projection matrices, the fundamental matrix and the trifocal tensor. The theory and methods of computation of these entities are discussed with real examples, as is their use in the reconstruction of scenes from multiple images. The new edition features an extended introduction covering the key ideas in the book (which itself has been updated with additional examples and appendices) and significant new results which have appeared since the first edition. Comprehensive background material is provided, so readers familiar with linear algebra and basic numerical methods can understand the projective geometry and estimation algorithms presented, and implement the algorithms directly from the book.

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#### ENGINEERING

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#### ISSUES, CHALLENGES AND OPPORTUNITIES FOR DEVELOPMENT

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UNESCO This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.--Publisher's description.

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#### SURVEY OF CURRENT BUSINESS

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#### LEARNING ALGORITHMS THROUGH PROGRAMMING AND PUZZLE SOLVING

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Learning Algorithms Through Programming and Puzzle Solving is one of the first textbooks to emerge from the recent Massive Open Online Course (MOOC) revolution and a companion to the authors' online specialization on Coursera and MicroMasters Program on edX. The book introduces a programming-centric approach to learning algorithms and strikes a unique balance between algorithmic ideas, programming challenges, and puzzle solving. Since the launch of this project on Coursera and edX, hundreds of thousands students tried to solve programming challenges and algorithmic puzzles covered in this book. The book is also a step towards developing an Intelligent Tutoring System for learning algorithms. In a classroom, once a student takes a wrong turn, there are limited opportunities to ask a question, resulting in a learning breakdown, or the inability to progress further without individual guidance. When a student suffers a learning breakdown, that student needs immediate help in order to proceed. Traditional textbooks do not provide such help, but the automated grading system described in this MOOC book does! The book is accompanied by additional educational materials that include the book website, video lectures, slides, FAQs, and other resources available at Coursera and EdX.

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## STRATEGIC TRADE REVIEW

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Createspace Independent Publishing Platform The Strategic Trade Review is a peer reviewed journal dedicated to strategic trade, export controls, and sanctions. The sixth Spring/Summer 2018 issue features articles on emerging technologies and export controls, cryptosanctions, export control practices in advanced countries, proliferation finance, defense exports, and capacity-building. It also includes a "Practitioners Perspectives" section. The Strategic Trade Review publishes articles from a global authorship. The Review is an essential resource for researchers, practitioners, students, policy-makers, and other stakeholders involved in trade and security.

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## ACCURACY AND STABILITY OF NUMERICAL ALGORITHMS

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### SECOND EDITION

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SIAM Accuracy and Stability of Numerical Algorithms gives a thorough, up-to-date treatment of the behavior of numerical algorithms in finite precision arithmetic. It combines algorithmic derivations, perturbation theory, and rounding error analysis, all enlivened by historical perspective and informative quotations. This second edition expands and updates the coverage of the first edition (1996) and includes numerous improvements to the original material. Two new chapters treat symmetric indefinite systems and skew-symmetric systems, and nonlinear systems and Newton's method. Twelve new sections include coverage of additional error bounds for Gaussian elimination, rank revealing LU factorizations, weighted and constrained least squares problems, and the fused multiply-add operation found on some modern computer architectures.

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## EXPECTATIONS AND THE STRUCTURE OF SHARE PRICES

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University of Chicago Press John G. Cragg and Burton G. Malkiel collected detailed forecasts of professional investors concerning the growth of 175 companies and use this information to examine the impact of such forecasts on the market evaluations of the companies and to test and extend traditional models of how stock market values are determined.

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## OBSERVING THE VOLCANO WORLD

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### VOLCANO CRISIS COMMUNICATION

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Springer This open access book provides a comprehensive overview of volcanic crisis research, the goal being to establish ways of successfully applying volcanology in practice and to identify areas that need to be addressed for future progress. It shows how volcano crises are managed in practice, and helps to establish best practices. Consequently the book brings together authors from all over the globe who work with volcanoes, ranging from observatory volcanologists, disaster practitioners and government officials to NGO-based and government practitioners to address three key aspects of volcanic crises. First, the book explores the unique nature of volcanic hazards, which makes them a particularly challenging threat to forecast and manage, due in part to their varying spatial and temporal characteristics. Second, it presents lessons learned on how to best manage volcanic events based on a number of crises that have shaped our understanding of volcanic hazards and crises management. Third, it discusses the diverse and wide-ranging aspects of communication involved in crises, which merge old practices and new technologies to accommodate an increasingly challenging and globalised world. The information and insights presented here are essential to tapping established knowledge, moving towards more robust volcanic crises management, and understanding how the volcanic world is perceived from a range of standpoints and contexts around the globe.

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## THE COMPLETE CALVIN AND HOBBS

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Andrews McMeel Publishing Brings together every "Calvin and Hobbes" cartoon that has ever appeared in syndication, along with stories and poems from classic collections.

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## FIGHTING TAX CRIME - THE TEN GLOBAL PRINCIPLES, SECOND EDITION

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OECD Publishing First published in 2017, Fighting Tax Crime - The Ten Global Principles is the first comprehensive guide to fighting tax crimes. It sets out ten essential principles covering the legal, institutional, administrative, and operational aspects necessary for developing an efficient and effective system for identifying, investigating and prosecuting tax crimes, while respecting the rights of accused taxpayers.

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## BELL

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### ALEXANDER GRAHAM BELL AND THE CONQUEST OF SOLITUDE

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Cornell University Press A reprint of the 1973 biography of the American inventor. Divided into pre-telephone, telephone, and post-telephone sections, also covers his work with the Smithsonian, the deaf, the National Geographic Society, and Science magazine. Paper edition (\$12.95) not seen. Annotation copyrighted by Book News, Inc., Portland, OR

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## BREXIT AND BEYOND

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### RETHINKING THE FUTURES OF EUROPE

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UCL Press Brexit will have significant consequences for the country, for Europe, and for global order. And yet much discussion of Brexit in the UK has focused on the causes of the vote and on its consequences for the future of British politics. This volume examines the consequences of Brexit for the future of Europe and the European Union, adopting an explicitly regional and future-oriented perspective missing from many existing analyses. Drawing on the expertise of 28 leading scholars from a range of disciplines, Brexit and Beyond offers various different perspectives on the future of Europe, charting the likely effects of Brexit across a range of areas, including institutional relations, political economy, law and justice, foreign affairs, democratic governance, and the idea of Europe itself. Whilst the contributors offer divergent predictions for the future of Europe after Brexit, they share the same conviction that careful scholarly analysis is in need – now more than ever – if we are to understand what lies ahead for the EU. Praise for Brexit and Beyond 'a wide-ranging and thought-provoking tour through the vagaries of British exit, with the question of Europe's fate never far from sight...Brexit is a wake-up call for the EU. How it responds is an open question—but respond it must. To better understand its options going forward you should turn to this book, which has also been made free online.' Prospect Magazine 'This book explores wonderfully well the bombshell of Brexit: is it a uniquely British phenomenon or part of a wider, existential crisis for the EU? As the tensions and complexities of the Brexit negotiations come to the fore, the collection of essays by leading scholars will prove a very valuable reference for their depth of analysis, their lucidity, and their outlining of future options.' - Kevin Featherstone, Head of the LSE European Institute, London School of Economics 'Brexit and Beyond is a must read. It moves the ongoing debate about what Brexit actually means to a whole new level. While many scholars to date have examined the reasons for the British decision to leave, the crucial question of what Brexit will mean for the future of the European project is often overlooked. No longer. Brexit and Beyond bundles the perspectives of leading scholars of European integration. By doing so, it provides a much needed scholarly guidepost for our understanding of the significance of Brexit, not only for the United Kingdom, but also for the future of the European continent.' - Catherine E. De Vries, Professor in the department of Government, University of Essex and Professor in the department of Political Science and Public Administration Free University Amsterdam 'Brexit and Beyond provides a fascinating (and comprehensive) analysis on the how and why the UK has found itself on the path to exiting the European Union. The talented cast of academic contributors is drawn from a wide variety of disciplines and areas of expertise and this provides a breadth and depth to the analysis of Brexit that is unrivalled. The volume also provides large amounts of expert-informed speculation on the future of both the EU and UK and which is both stimulating and anxiety-inducing.' -Professor Richard Whitman, Head of School, Professor of Politics and International Relations, Director of the Global Europe Centre, University of Kent

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## PROCEEDINGS OF INTERNATIONAL JOINT CONFERENCE ON ADVANCES IN COMPUTATIONAL INTELLIGENCE

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## IJCACI 2020

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Springer Nature This book gathers outstanding research papers presented at the International Joint Conference on Advances in Computational Intelligence (IJCACI 2020), organized by Daffodil International University (DIU) and Jahangirnagar University (JU) in Bangladesh and South Asian University (SAU) in India. These proceedings present novel contributions in the areas of computational intelligence and offer valuable reference material for advanced research. The topics covered include collective intelligence, soft computing, optimization, cloud computing, machine learning, intelligent software, robotics, data science, data security, big data analytics, and signal and natural language processing.

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## BOOKS AND PAMPHLETS, INCLUDING SERIALS AND CONTRIBUTIONS TO PERIODICALS

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### TRANSPORTATION ENERGY DATA BOOK

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### ATTRIBUTION OF EXTREME WEATHER EVENTS IN THE CONTEXT OF CLIMATE CHANGE

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National Academies Press As climate has warmed over recent years, a new pattern of more frequent and more intense weather events has unfolded across the globe. Climate models simulate such changes in extreme events, and some of the reasons for the changes are well understood. Warming increases the likelihood of extremely hot days and nights, favors increased atmospheric moisture that may result in more frequent heavy rainfall and snowfall, and leads to evaporation that can exacerbate droughts. Even with evidence of these broad trends, scientists cautioned in the past that individual weather events couldn't be attributed to climate change. Now, with advances in understanding the climate science behind extreme events and the science of extreme event attribution, such blanket statements may not be accurate. The relatively young science of extreme event attribution seeks to tease out the influence of human-cause climate change from other factors, such as natural sources of variability like El Niño±o, as contributors to individual extreme events. Event attribution can answer questions about how much climate change influenced the probability or intensity of a specific type of weather event. As event attribution capabilities improve, they could help inform choices about assessing and managing risk, and in guiding climate adaptation strategies. This report examines the current state of science of extreme weather attribution, and identifies ways to move the science forward to improve attribution capabilities.

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### U.S. INTERNATIONAL TRADE IN GOODS AND SERVICES

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### THEORY OF LINEAR AND INTEGER PROGRAMMING

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John Wiley & Sons Theory of Linear and Integer Programming Alexander Schrijver Centrum voor Wiskunde en Informatica, Amsterdam, The Netherlands This book describes the theory of linear and integer programming and surveys the algorithms for linear and integer programming problems, focusing on complexity analysis. It aims at complementing the more practically oriented books in this field. A special feature is the author's coverage of important recent developments in linear and integer programming. Applications to combinatorial optimization are given, and the author also includes extensive historical surveys and bibliographies. The book is intended for graduate students and researchers in operations research, mathematics and computer science. It will also be of interest to mathematical historians. Contents 1 Introduction and preliminaries; 2 Problems, algorithms, and complexity; 3 Linear algebra and complexity; 4 Theory of lattices and linear diophantine equations; 5 Algorithms for linear diophantine equations; 6 Diophantine approximation and basis reduction; 7 Fundamental concepts and results on polyhedra, linear inequalities, and linear programming; 8 The structure of polyhedra; 9 Polarity, and blocking and anti-blocking polyhedra; 10 Sizes and the theoretical complexity of linear inequalities and linear programming; 11 The simplex method; 12 Primal-dual, elimination, and relaxation methods; 13 Khachiyan's method for linear programming; 14 The ellipsoid method for polyhedra more generally; 15 Further polynomiality results in linear programming; 16 Introduction to integer linear programming; 17 Estimates in integer linear programming; 18 The complexity of integer linear programming; 19 Totally unimodular matrices: fundamental properties and examples; 20 Recognizing total unimodularity; 21 Further theory related to total unimodularity; 22 Integral polyhedra and total dual integrality; 23 Cutting planes; 24 Further methods in integer linear programming; Historical and further notes on integer linear programming; References; Notation index; Author index; Subject index

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### WORLD TRADE STATISTICAL REVIEW 2020

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International Trade Statistics A comprehensive overview of the latest developments in world trade, covering the details of merchandise trade by product and trade in commercial services

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### FOOLPROOF

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### WHY SAFETY CAN BE DANGEROUS AND HOW DANGER MAKES US SAFE

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Hachette UK How the very things we create to protect ourselves, like money market funds or anti-lock brakes, end up being the biggest threats to our safety and wellbeing. We have learned a staggering amount about human nature and disaster -- yet we keep having car crashes, floods, and financial crises. Partly this is because the success we have at making life safer enables us to take bigger risks. As our cities, transport systems, and financial markets become more interconnected and complex, so does the potential for catastrophe. How do we stay safe? Should we? What if our attempts are exposing us even more to the very risks we are avoiding? Would acceptance of danger make us more secure? Is there such a thing as foolproof? In Foolproof, Greg Ip presents a macro theory of human nature and disaster that explains how we can keep ourselves safe in our increasingly dangerous world.

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### STATISTICAL ABSTRACT OF THE UNITED STATES, 2012

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www.Militarybookshop.CompanyUK Statistical Abstract presents data on the social, political, and economic organization of the United States, including detailed tables on population; health; education; geography and environment; elections; federal government; finances and employment; national defense and veterans affairs; income; communications; law; energy; science; business; transportation; agriculture; construction and housing; and comparative international statistics. Along with appendices and maps, special features include: guides to tabular presentation; sources of statistics; state statistical abstracts; foreign statistical abstracts; an industrial outlook; telephone numbers; metropolitan area concepts and components; and a subject index.

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### TAR BABY

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Random House An unforgettable and transformative novel that explores race and gender with scorching insight from the Nobel-prize winning author of Beloved. Into a white millionaire's Caribbean mansion comes Jadine, a sophisticated graduate of the Sorbonne, art historian - a black American now living in Paris and Rome. Then there's Son, a criminal on the run, uneducated, violent, contemptuous - a young American black of extreme beauty from small-town Florida. As Morrison follows their affair, she charts all the nuances of obligation and betrayal between blacks and whites, masters and servants, and men and women. Winner of the PEN/Saul Bellow award for achievement in American fiction 'Toni Morrison was a quintessential, unabashedly American writer. Like her fellow giant, Walt Whitman, her work was, above all, audacious. She seized the landscape with a flourish and wove it, unwove it and put it back together' Bonnie Greer, Guardian

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### GRAMOPHONE, FILM, TYPEWRITER

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Stanford University Press On history of communication

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### INTERFACIAL PHENOMENA AND CONVECTION

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CRC Press Interfacial phenomena driven by heat or mass transfer are widespread in science and various branches of engineering. Research in this area has become quite active in recent years, attributable in part, at least, to the entry of physicists and their sophisticated experimental techniques into the field. Until now, however, the field has lacked a readable account of the recent developments. Interfacial Phenomena and Convection remedies this problem by furnishing a self-contained monograph that examines a rich variety of phenomena in which interfaces play a crucial role. From a unified perspective that embraces physical chemistry, fluid mechanics, and applied mathematics, the authors study recent developments related to the Marangoni effect, including patterned convection and instabilities, oscillatory/wavy phenomena, and turbulent phenomena. They examine Bénard layers

subjected to transverse and longitudinal thermal gradients and phenomena involving surface tension gradients as the driving forces, including falling films, drops, and liquid bridges. It is only in the past two or three decades that researchers have performed suitable, clear-cut experiments involving interfacial phenomena, and the stage is now set for a virtual explosion of the field. *Interfacial Phenomena and Convection* will bring you quickly up to date on the advances realized and prepare you to both use the results and to make further advances.

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## KIDNEY CANCER

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### PRINCIPLES AND PRACTICE

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Springer *Kidney Cancer: Principles and Practice* is a comprehensive and interdisciplinary textbook that encompasses all clinically relevant aspects of the disease. This new edition has been extensively updated and includes brand new material covering the most recent developments in kidney cancer diagnosis and therapy. The user-friendly and clinically oriented content of the book guarantees that it will be of great interest to a wide range of medical professionals, and every effort has been made to ensure that contributions are both easy to understand and directly related to patient care. Content presentation departs from the usual dense chapter format featuring a lengthy series of paragraphs. Instead, each chapter contains several boxed sections, including one that summarizes essential "take home points" for the busy clinician and another that presents a patient-oriented case highlighting the clinical application of elements discussed in that chapter. In addition, accessible original images, illustrations, and diagrams (some in full color) are used to simplify particularly complex material. This book will be of value for clinicians, researchers, residents, fellows, students, and knowledgeable lay people. The contributors comprise an international group of authors with expertise in kidney cancer epidemiology, molecular biology, pathology, diagnosis, clinical features, staging, prognostic and predictive factors, surgery, systemic therapy, and emerging investigational approaches, among others.

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## WORLD TRADE STATISTICAL REVIEW 2016

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*International Trade Statistics 2015* provides a detailed overview of the latest developments in world trade, covering both merchandise and services trade as well as trade measured in value-added terms. A overview section at the start of the publication looks back over 20 years, using charts and maps to illustrate the most important trends. More detailed data are provided in a variety of tables covering specific aspects of world trade up to the end of 2014. *International Trade Statistics 2015* serves as an invaluable reference tool for researchers, policy makers and anyone interested in international trade.

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## METAL VINYLIDENES AND ALLENYLIDENES IN CATALYSIS

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### FROM REACTIVITY TO APPLICATIONS IN SYNTHESIS

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John Wiley & Sons Focusing on preparation and applications in synthesis and catalysis, this book finally closes a gap in the literature by summarizing this hot topic for the first time. As such, it gathers in one volume the key features of metal vinylidene and allenylidene complexes as well as reactive species and covers applications in metathesis, polymerization, molecular materials, carbon rich compounds and fine chemical production. The emphasis here is on the selective transformations of alkynes and enynes plus simple and complex molecules containing a triple C-C bond. The result is a must-have ready reference for organic, catalytic, complex, theoretical and polymer chemists, as well as those working with/on organometallics.

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## HANDBOOK OF OLIGO- AND POLYTHIOPHENES

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John Wiley & Sons This first concise handbook on this important new class of organic conducting materials gives a broad survey over this emerging field of research. The physical background is covered as well as the synthesis, electronic and nonlinear optical properties and applications of these advanced materials. This information will be of high value for graduate students, researchers and practitioners working in the interdisciplinary field of materials science, polymer and organic chemistry and applied physics.

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## THE BASICS OF S-PLUS

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Springer Science & Business Media In a clear style the most important ideas of S-PLUS are introduced through the use of many examples. Each chapter includes a collection of exercises, fully worked-out solutions and detailed comments.

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## WORLD TRADE STATISTICAL REVIEW 2017

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This new publication replaces the WTO's annual flagship publication, "International Trade Statistics." "Statistical Review of International Trade 2017" provides a detailed analysis of the latest developments in world trade. It serves as an invaluable reference tool for researchers, policy makers and anyone interested in international trade.

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## GLYCOSCIENCE

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### CHEMISTRY AND CHEMICAL BIOLOGY

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Springer Science & Business Media As a reflection of the quantum leap that has been made in the study of glycostructures, the first edition of this book has been completely revised and updated. The editors give up-to-date information on glycostructures, their chemistry and chemical biology in the form of a completely comprehensive survey. Glycostructures play highly diverse and crucial roles in a myriad of organisms and important systems in biology, physiology, medicine, bioengineering and technology. Only in recent years have the tools been developed to partly understand the highly complex functions and the chemistry behind them. While many facts remain undiscovered, this MRW has been contributed to by a large number of the world's leading researchers in the field.

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## MUSIC AND SONIC ART

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### THEORIES AND PRACTICES

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Cambridge Scholars Publishing This volume brings together practitioners and theorists of music and sonic art. Contributions explore a wide range of historical, artistic, pedagogical and critical issues from multiple perspectives, emphasizing the continuities and links along a broad spectrum of hearing and listening practices and art-making that use sound.

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## FORTHCOMING BOOKS

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### BAYESIAN STATISTICS 9

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Oxford University Press Bayesian statistics is a dynamic and fast-growing area of statistical research and the Valencia International Meetings provide the main forum for discussion. These resulting proceedings form an up-to-date collection of research.