Api 670 5th Edition Bing

This open access book offers a summary of the development of
Digital Earth over the past twenty years. By reviewing the
initial vision of Digital Earth, the evolution of that vision,
the relevant key technologies, and the role of Digital Earth in
helping people respond to global challenges, this publication
reveals how and why Digital Earth is becoming vital for
acquiring, processing, analysing and mining the rapidly growing
volume of global data sets about the Earth. The main aspects of
Digital Earth covered here include: Digital Earth platforms,
remote sensing and navigation satellites, processing and
visualizing geospatial information, geospatial information
infrastructures, big data and cloud computing, transformation
and zooming, artificial intelligence, Internet of Things, and
social media. Moreover, the book covers in detail the multi-
layered/multi-faceted roles of Digital Earth in response to
sustainable development goals, climate changes, and mitigating
disasters, the applications of Digital Earth (such as digital
city and digital heritage), the citizen science in support of
Digital Earth, the economic value of Digital Earth, and so on.
This book also reviews the regional and national development of
Digital Earth around the world, and discusses the role and
effect of education and ethics. Lastly, it concludes with a
summary of the challenges and forecasts the future trends of
Digital Earth. By sharing case studies and a broad range of
general and scientific insights into the science and technology
of Digital Earth, this book offers an essential introduction for
an ever-growing international audience.
Thinking in JavaPrentice Hall Professional
This book discusses the role of the microbiome in rheumatic
diseases and details its implications for patient treatment.
Recently, with technological advances, there has been
significant research into the microbiome. This has enabled us to
more profoundly understand its role in our immune system
maturation as well as the role played by microorganisms in
autoimmunity and the deeply related rheumatic diseases. This
book comprehensively explains the emerging microbiome research
through the interrelationships of biomedical sciences,
including: immunology, microbiology, bioinformatics, and, with
special emphasis, the clinical aspect of rheumatology. It
examines the interplay between infectious organisms and major
autoimmune diseases, including rheumatoid arthritis, psoriatic
arthritis, juvenile arthritis, systemic lupus erythematosus, and
vasculitis, and explains how to apply that knowledge to
diagnostic techniques and treatment decisions. The international

team of expert authors provides insight into current therapies and future interventions specifically targeting the microbiota and explores the impact of our deeper understanding on enhancing personalized medicine. The Microbiome in Rheumatic Diseases and Infection is an essential resource for rheumatologists, pediatricians, internists, microbiologists, and critical care providers caring for children and adults with rheumatic diseases.

Awards and Praise for the first edition: Recipient of the 2006 International Association for Relationship Research (IARR) Book Award "This text, as it presently stands, is THE go-to text for stalking researchers. That is my opinion and the opinion of multiple fellow scholars I know in the field. It rarely sits on my shelf, but rather is a constant reference on my desk. I can always count on these authors to have done an extensive review of literature. I thought I was thorough, but they are always providing me with new references." --Dr. H. Colleen Sinclair, Associate Professor of Psychology, Mississippi State University "Cupach and Spitzberg provide the reader with a multidisciplinary framework for understanding the nature and impact of unwanted relationship pursuits. This book is an excellent resource for students and professionals alike who seek to gain knowledge about unwanted relational pursuits and stalking." —Journal of Couple & Relationship Therapy The Dark Side of Relationship Pursuit provides historical and definitional frames for studying unwanted relationship pursuit, and considers the role of the media, law, and social science research in shaping today's conceptualizations of stalking. The volume integrates research from diverse contributing fields and disciplines, providing a thorough summary and assessment of current knowledge on stalking and obsessive pursuit. Building on the foundation of the award-winning first edition, this revision considers assessment issues, offers an expanded analysis of the meta-analysis data set, and includes coverage of intercultural and international factors. As an increasing number of scholarly disciplines and professional fields study stalking and other forms of obsessive relationship pursuit, this book is a must-have resource for examining interpersonal conflict, social and personal relationships, domestic violence, unrequited love, divorce and relational dissolution, and harassment. It also has much to offer researchers, counselors, and professionals in psychology, counseling, criminal justice, sociology, psychiatry, forensic evaluation, threat assessment, and law enforcement.
Knowledge Graphs
AA CompTIA A+ Core 1 (220-1001) & CompTIA A+ Core 2 (220-1002) Textbook

Majority Staff Report And Recommendations
Gas Turbine Engineering Handbook
Psychology of Prejudice and Discrimination

Modern Tort Law is a comprehensive, accessible and up-to-date introduction to the law of torts. Now in its seventh edition, Vivienne Harpwood's popular, student-friendly text explains the principles of all aspects of tort law in a lively and thought-provoking manner. The broad coverage of modern tort law makes this an ideal textbook for any undergraduate tort law course. Students are encouraged to understand and apply the principles of tort law effectively throughout and particular attention is paid to the context within which the law is evolving, making these topics both accessible and enjoyable. This seventh edition has been revised and updated to take into account developments since publication of the previous edition including in the areas of privacy, negligence, personal injury and defamation. Human Rights issues are integrated throughout the text rather than treating the topic in isolation, in line with the way the subject is commonly taught. Now more accessible and student-friendly, it includes: advice on further reading at the end of each chapter which is intended to point students towards sources of further study and critical debate new chapter introductions, rewritten to reflect learning outcomes. Modern Tort Law is now supported by a Companion Website which offers lecturer resources available to adopters of the book, including 'think points' designed to encourage reflection and debate and PowerPoints of diagrams and flowcharts contained within the text. A dedicated student section also offers weblinks, a guide to key Tort law cases, a flashcard glossary and a test bank of multiple choice questions.
Sentiment analysis and opinion mining is the field of study that analyzes people's opinions, sentiments, evaluations, attitudes, and emotions from written language. It is one of the most active research areas in natural language processing and is also widely studied in data mining, Web mining, and text mining. In fact, this research has spread outside of computer science to the management sciences and social sciences due to its importance to business and society as a whole. The growing importance of sentiment analysis coincides with the growth of social media such as reviews, forum discussions, blogs, micro-blogs, Twitter, and

social networks. For the first time in human history, we now have a huge volume of opinionated data recorded in digital form for analysis.Sentiment analysis systems are being applied in almost every business and social domain because opinions are central to almost all human activities and are key influencers of our behaviors. Our beliefs and perceptions of reality, and the choices we make, are largely conditioned on how others see and evaluate the world. For this reason, when we need to make a decision we often seek out the opinions of others. This is true not only for individuals but also for organizations.This book is a comprehensive introductory and survey text. It covers all important topics and the latest developments in the field with over 400 references. It is suitable for students, researchers and practitioners who are interested in social media analysis in general and sentiment analysis in particular. Lecturers can readily use it in class for courses on natural language processing, social media analysis, text mining, and data mining. Lecture slides are also available online.Table of Contents: Preface / Sentiment Analysis: A Fascinating Problem / The Problem of Sentiment Analysis / Document Sentiment Classification / Sentence Subjectivity and Sentiment Classification / Aspect-Based Sentiment Analysis / Sentiment Lexicon Generation / Opinion Summarization / Analysis of Comparative Opinions / Opinion Search and Retrieval / Opinion Spam Detection / Quality of Reviews / Concluding Remarks / Bibliography / Author Biography

Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ Core 1 (220-1001) and Core 2 (220-1002) exams. This is your all-in-one, real-world, full-color guide to connecting, managing, and troubleshooting modern devices and systems in authentic IT scenarios. Its thorough instruction built on the CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam objectives includes coverage of Windows 10, Mac, Linux, Chrome OS, Android, iOS, cloud-based software, mobile and IoT devices, security, Active Directory, scripting, and other modern techniques and best practices for IT management. Award-winning instructor Cheryl Schmidt also addresses widely-used legacy technologies—making this the definitive resource for mastering the tools and technologies you'll encounter in

real IT and business environments. Schmidt's emphasis on both technical and soft skills will help you rapidly become a well-qualified, professional, and customer-friendly technician. LEARN MORE QUICKLY AND THOROUGHLY WITH THESE STUDY AND REVIEW TOOLS: Learning Objectives and chapter opening lists of CompTIA A+ Certification Exam Objectives make sure you know exactly what you'll be learning, and you cover all you need to know Hundreds of photos, figures, and tables present information in a visually compelling full-color design Practical Tech Tips provide real-world IT tech support knowledge Soft Skills best-practice advice and team-building activities in every chapter cover key tools and skills for becoming a professional, customer-friendly technician Review Questions—including true/false, multiple choice, matching, fill-in-the-blank, and open-ended questions—carefully assess your knowledge of each learning objective Thought-provoking activities help students apply and reinforce chapter content, and allow instructors to "flip" the classroom if they choose Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the facts to deeper understanding Chapter Summaries recap key concepts for more efficient studying Certification Exam Tips provide insight into the certification exam and preparation process
This book is published open access under a CC BY 4.0 license. Over the past decades, rapid developments in digital and sensing technologies, such as the Cloud, Web and Internet of Things, have dramatically changed the way we live and work. The digital transformation is revolutionizing our ability to monitor our planet and transforming the way we access, process and exploit Earth Observation data from satellites. This book reviews these megatrends and their implications for the Earth Observation community as well as the wider data economy. It provides insight into new paradigms of Open Science and Innovation applied to space data, which are characterized by openness, access to large volume of complex data, wide availability of new community tools, new techniques for big data analytics such as Artificial Intelligence, unprecedented level of computing power, and new types of collaboration among researchers, innovators, entrepreneurs and citizen scientists. In addition, this book aims to provide readers with some

reflections on the future of Earth Observation, highlighting
through a series of use cases not just the new opportunities
created by the New Space revolution, but also the new
challenges that must be addressed in order to make the most
of the large volume of complex and diverse data delivered by
the new generation of satellites.
Introduction to Information Retrieval
Hacking- The art Of Exploitation
Modern Tort Law 7/e
Insect Vectors and Plant Pathogens
Psychology and Work

Evidence: Law and Context explains the key concepts of evidence law in England and Wales
clearly and concisely, set against the backdrop of the broader political and theoretical
contexts. The book focuses on the essential topics commonly found on Evidence courses
covering both criminal evidence and civil evidence. It takes a contextual approach discussing
how wider policy debates and societal trends have impacted upon the recent evolution of the
law in order to provide students with an explanation as to how and why the law has
developed. The fifth edition has been revised to include: coverage of R v Hunter 2015 and
its impact on good character evidence; developments in procedures relating to young and
vulnerable witnesses; and more in-depth coverage of key cases. Learning points summarise
the major principles and rules covered and practical examples are used throughout the text to
give better understanding as to how the technical rules are applied in practice. Self-test
questions are included in the book, helping students to test their understanding and prepare
for assessment. Well written, clear and with a logical structure throughout, it contains all the
information necessary for any undergraduate evidence law module.
This text introduces the spirit and theory of hacking as well as the science behind it all; it also
provides some core techniques and tricks of hacking so you can think like a hacker, write
your own hacks or thwart potential system attacks.
Admiralty Jurisdiction and Practice is the definitive work on litigation in the Admiralty
Court. It provides unrivalled commentary and analysis of the key principles of admiralty
law, from jurisdiction and procedure to forms and precedents, and is firmly established as
the leading reference guide for today's maritime practitioner. The authors also deal with
several topics not covered elsewhere, including the impact of insolvency, the interplay
between jurisdiction and practice, limitation periods, the role of international conventions,
and collision action rules. The fifth edition has been fully updated to include new case law
and vital changes in Commercial Court practice and procedure. It also includes brand new
material on the topical jurisdictions of Hong Kong and South Africa, including a comparison
to English law and expert commentary on important issues such as ship arrest. This book is a
first choice for all those concerned with admiralty law.
This report presents the recommendations of the WHO Expert Committee responsible for
updating the WHO Model List of Essential Medicines. The first part contains a progress
report on the new procedures for updating the Model List and the development of the WHO
Essential Medicines Library. It continues with a section on changes made in revising the

Model List followed by a review of some sections such as hypertensive medicines and fast track procedures for deleting items. Annexes include the 13th version of the Model List and items on the list sorted according to their 5-level Anatomical Therapeutic Chemical classification codes.

Machine Learning with R

International Trade Law

Assessment, Measurement, and Prediction for Personnel Decisions

Legal Informatics

Admiralty Jurisdiction and Practice

An overview of the programming language's fundamentals covers syntax, initialization, implementation, classes, error handling, objects, applets, multiple threads, projects, and network programming.

Completely rewritten, revised, and updated, this Sixth Edition reflects the latest technologies and applications in spectroscopy, mass spectrometry, and chromatography. It illustrates practices and methods specific to each major chemical analytical technique while showcasing innovations and trends currently impacting the field. Many of the

This groundbreaking work offers a first-of-its-kind overview of legal informatics, the academic discipline underlying the technological transformation and economics of the legal industry. Edited by Daniel Martin Katz, Ron Dolin, and Michael J. Bommarito, and featuring contributions from more than two dozen academic and industry experts, chapters cover the history and principles of legal informatics and background technical concepts – including natural language processing and distributed ledger technology. The volume also presents real-world case studies that offer important insights into document review, due diligence, compliance, case prediction, billing, negotiation and settlement, contracting, patent management, legal research, and online dispute resolution. Written for both technical and non-technical readers, Legal Informatics is the ideal resource for anyone interested in identifying, understanding, and executing opportunities in this exciting field.

Underwater Acoustic Modeling and Simulation, Fourth Edition continues to provide the most authoritative overview of currently available propagation, noise, reverberation, and sonar-performance models. This fourth edition of a bestseller discusses the fundamental processes involved in simulating the performance of underwater acoustic systems and emphasizes the importance of applying the proper modeling resources to simulate the behavior of sound in virtual ocean environments. New to the Fourth Edition Extensive new material that addresses recent advances in inverse techniques and marine-mammal protection Problem sets in each chapter Updated and expanded inventories of available models Designed for readers with an understanding of underwater acoustics but who are unfamiliar with the various aspects of modeling, the book includes sufficient mathematical derivations to demonstrate model formulations and provides guidelines for selecting and using the models. Examples of each type of model illustrate model formulations, model assumptions, and algorithm efficiency. Simulation case studies are also included to demonstrate practical applications. Providing a thorough source of information on modeling resources, this book examines the translation of our physical

understanding of sound in the sea into mathematical models that simulate acoustic propagation, noise, and reverberation in the ocean. The text shows how these models are used to predict and diagnose the performance of complex sonar systems operating in the undersea environment.
Catalog of Copyright Entries
Separation Process Principles with Applications Using Process Simulators, 4th Edition Eh
Underwater Acoustic Modeling and Simulation
Programming Interactivity

"International Trade Law offers comprehensive analysis of international sale transactions through case law, policy documents, legislation, international conventions and rules adopted by international organisations such as the ICC."--
Make cool stuff. If you're a designer or artist without a lot of programming experience, this book will teach you to work with 2D and 3D graphics, sound, physical interaction, and electronic circuitry to create all sorts of interesting and compelling experiences -- online and off. Programming Interactivity explains programming and electrical engineering basics, and introduces three freely available tools created specifically for artists and designers: Processing, a Java-based programming language and environment for building projects on the desktop, Web, or mobile phones Arduino, a system that integrates a microcomputer prototyping board, IDE, and programming language for creating your own hardware and controls OpenFrameworks, a coding framework simplified for designers and artists, using the powerful C++ programming language BTW, you don't have to wait until you finish the book to actually make something. You'll get working code samples you can use right away, along with the background and technical information you need to design, program, build, and troubleshoot your own projects. The cutting edge design techniques and discussions with leading artists and designers will give you the tools and inspiration to let your imagination take flight.
Delay and disruption in the course of construction impacts upon building projects of any scale. Now in its 5th edition Delay and Disruption in Construction Contracts continues to be the pre-eminent guide to these often complex and potentially costly issues and has been cited by the judiciary as a leading textbook in court decisions worldwide, see, for example, Mirant v Ove Arup [2007] EWHC 918 (TCC) at [122] to [135] per the late His Honour Judge Toulmin CMG QC. Whilst covering the manner in which delay and disruption should be considered at each stage of a construction project, from inception to completion and beyond, this book includes: An international team of specialist advisory editors, namely Francis Barber (insurance), Steve Briggs (time),

Wolfgang Breyer (civil law), Joe Castellano (North America), David-John Gibbs (BIM), Wendy MacLaughlin (Pacific Rim), Chris Miers (dispute boards), Rob Palles-Clark (money), and Keith Pickavance Comparative analysis of the law in this field in Australia, Canada, England and Wales, Hong Kong, Ireland, New Zealand, the United States and in civil law jurisdictions Commentary upon, and comparison of, standard forms from Australia, Ireland, New Zealand, the United Kingdom, USA and elsewhere, including two major new forms New chapters on adjudication, dispute boards and the civil law dynamic Extensive coverage of Building Information Modelling New appendices on the SCL Protocol (Julian Bailey) and the choice of delay analysis methodologies (Nuhu Braimah) Updated case law (to December 2014), linked directly to the principles explained in the text, with over 100 helpful "Illustrations" Bespoke diagrams, which are available for digital download and aid explanation of multi-faceted issues This book addresses delay and disruption in a manner which is practical, useful and academically rigorous. As such, it remains an essential reference for any lawyer, dispute resolver, project manager, architect, engineer, contractor, or academic involved in the construction industry.

This book explores the development, trends and research of library and information sciences (LIS) in the digital age. Inside, readers will find research and case studies written by LIS experts, educators and theorists, most of whom have visited China, delivered presentations there and drafted their articles based on feedback they received. As a result, readers will discover the LIS issues and concerns that China and the international community have in common. The book first introduces the opportunities and challenges faced by the library and information literacy profession and discusses the key role of librarians in the future of information literacy education. Next, it covers trends in LIS education by examining the vision of the iSchool movement and detailing its practice in Syracuse University. The book then covers issues in information seeking and retrieval by showing how visual data mining technology can be used to detect the relationship and pattern between terms on the Q&A of a social media site. It also includes a case study regarding tracing information seeking behavior and usage on a multimedia website. Next, the book stresses the importance of building an academic accreditation framework for scientific datasets, explores the relationship between bibliometrics and university rankings, and details the birth and development of East Asian Libraries in North America. Overall, the book offers readers insight into the changing nature of LIS, including the electronic dissemination of information, the impact of the

*Internet on libraries, the changing responsibilities of library
professionals, the new paradigm for evaluating information, and
characteristics and functions of today's library personnel.*
Sentiment Analysis and Opinion Mining
An Introduction to Industrial and Organizational Psychology
Earth Observation Open Science and Innovation
Undergraduate Instrumental Analysis
Manual of Digital Earth
Clinical reference that takes an evidence-based approach to the physical
examination. Updated to reflect the latest advances in the science of physical
examination, and expanded to include many new topics.
This second edition provides managers and students the nuts and bolts of
assessment processes and selection techniques. With this knowledge, managers
learn to make informed personnel decisions based on the results of tests and
assessments. The book emphasizes that employee performance predictions
require well-formed hypotheses about personal characteristics that may be
related to valued behavior at work. It also stresses the need for developing a
theory of the attribute one hypothesizes as a predictor—a thought process too
often missing from work on selection procedures. Topics such as team-member
selection, situational judgment tests, nontraditional tests, individual assessment,
and testing for diversity are explored. The book covers both basic and advanced
concepts in personnel selection in a straightforward, readable style intended to
be used in both undergraduate and graduate courses in Personnel Selection and
Assessment.
The history of pathogens and vectors, unique symptoms of diseases and
economic importance of important viral diseases have been dealt with in the
introductory chapter of this book. While highlighting the role of arthropods,
nematodes, and fungi; other agents of the spread of plant pathogens have also
been included. Important aspects of insect vectors with direct bearing on
transmission, i.e. vector identification, biology, feeding apparatus, and
mechanism of spread including control of pathogens through vectors are covered
comprehensively. As aphids and other hemipterous insects are major insect
vectors, the book stresses on this order. There is a focus on the transmission of
determinants under different categories of the transmission mechanism. The
transmission determinant paradigm comprising coat protein and helper
component has been expounded with recent cases. A brief description of new
diseases at least one from each genus of plant viruses has been included in this
compendium to elucidate the interaction of vector and virus. Phytoplasmal
etiology of pathogens has been detailed separately on account of their
importance. The transmission of plant viruses through insects with biting and
chewing type of mouth parts has been discussed in detail as separate chapter.
The latest research in the field of mites, nematodes, and fungi as vectors of plant
viruses has been included. How the phytotoxemia is different from other crop

disorders, has been critically explained with support from suitable and common examples of crop disorders. The book also highlights the effects of plant viruses on their vectors. An account of classification of plant viruses has also been given for better understanding of subject matter. Likewise, the information on the electron microscope along with its use has been included so as to define the procedure of examining sub-microscopic entities. The latest developments in the management of plant pathogens through vector management have been discussed with special reference to the use of biotechnology, crop protection, and plant resistance. The book will be of value to the teachers and to researchers. It will also be useful for extension workers in managing crop disorders. Students and researchers of entomology, plant pathology, plant protection and virology disciplines will obtain the latest in the field, through this book.

Psychology and Work is a new edition of the award-winning textbook written for introductory Industrial and Organizational (I-O) Psychology classes. This book makes the core topics of I-O Psychology clear, relevant, and accessible to students through its dynamic design. The real-world examples from the perspectives of employees and employers highlight how I-O Psychology is applied to today's workplace. Psychology and Work, Second Edition covers the core areas of I-O Psychology including an overview of the field and its history. The topics covered include up-to-date research methods and statistics; job analysis and criterion measurement; performance appraisal; personnel selection; training and development; work motivation; leadership; job attitudes and emotions, occupational health psychology, safety, and stress; teams; and organizational structure, culture, and change. Throughout the text, an emphasis is placed on essential issues for today's workplace such as diversity and inclusion, the evolving role of big data and analytics, legal issues, and the changing nature of work. Written by dedicated I-O professors with expertise in I-O Psychology and teaching this course, the book and supporting materials provide a range of high-quality pedagogical materials, including interactive features, quizzes, PowerPoint slides, numerous case studies, recommended videos, and an expanded, high-quality test bank.

Cases and Materials on the Carriage of Goods By Sea

Chicago and the Great Conflagration

Autophagy

Library and Information Sciences

Insect Pollination of Cultivated Crop Plants

This book provides a comprehensive and accessible introduction to knowledge graphs, which have recently garnered notable attention from both industry and academia. Knowledge graphs are founded on the principle of applying a graph-based abstraction to data, and are now broadly deployed in scenarios that require integrating and extracting value from multiple, diverse sources of data at large scale. The book defines knowledge graphs and provides a high-level overview of how they are

used. It presents and contrasts popular graph models that are commonly used to represent data as graphs, and the languages by which they can be queried before describing how the resulting data graph can be enhanced with notions of schema, identity, and context. The book discusses how ontologies and rules can be used to encode knowledge as well as how inductive techniques—based on statistics, graph analytics, machine learning, etc.—can be used to encode and extract knowledge. It covers techniques for the creation, enrichment, assessment, and refinement of knowledge graphs and surveys recent open and enterprise knowledge graphs and the industries or applications within which they have been most widely adopted. The book closes by discussing the current limitations and future directions along which knowledge graphs are likely to evolve. This book is aimed at students, researchers, and practitioners who wish to learn more about knowledge graphs and how they facilitate extracting value from diverse data at large scale. To make the book accessible for newcomers, running examples and graphical notation are used throughout. Formal definitions and extensive references are also provided for those who opt to delve more deeply into specific topics.

This edited volume is based on the best papers accepted for presentation during the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018. The book compiles a wide range of topics addressing various issues by experienced researchers mainly from research institutes in the Mediterranean, MENA region, North America and Asia. Remote sensing observations can close gaps in information scarcity by complementing ground-based sparse data. Spatial, spectral, temporal and radiometric characteristics of satellites sensors are most suitable for features identification. The local to global nature and broad spatial scale of remote sensing with the wide range of spectral coverage are essential characteristics, which make satellites an ideal platform for mapping, observation, monitoring, assessing and providing necessary mitigation measures and control for different related Earth's systems processes. Main topics in this book include: Geo-informatics Applications, Land Use / Land Cover Mapping and Change Detection, Emerging Remote Sensing Applications, Rock Formations / Soil Lithology Mapping, Vegetation Mapping Impact and Assessment, Natural Hazards Mapping and Assessment, Ground Water Mapping and Assessment, Coastal Management of Marine Environment and Atmospheric Sensing.

This book presents best selected papers presented at the International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS 2020), organized by National Institute of Technology, Kurukshetra, India, during 1–3 May 2020. It discusses high-quality and cutting-edge research in the areas of advanced computing, communications and data science techniques. The book is a collection of

latest research articles in computation algorithm, communication and data sciences, intertwined with each other for efficiency.

The Psychology of Prejudice and Discrimination provides a comprehensive and compelling overview of what psychological theory and research have to say about the nature, causes, and reduction of prejudice and discrimination. It balances a detailed discussion of theories and selected research with applied examples that ensure the material is relevant to students. Newly revised and updated, this edition addresses several interlocking themes, such as research methods, the development of prejudice in children, the relationship between prejudice and discrimination, and discrimination in the workplace, which are developed in greater detail than in other textbooks. The first theme introduced is the nature of prejudice and discrimination, which is followed by a discussion of research methods. Next comes the psychological underpinnings of prejudice: the nature of stereotypes, the conditions under which stereotypes influence responses to other people, contemporary theories of prejudice, and how values and belief systems are related to prejudice. Explored next are the development of prejudice in children and the social context of prejudice. The theme of discrimination is developed via discussions of the nature of discrimination, the experience of discrimination, and specific forms of discrimination, including gender, sexual orientation, age, ability, and appearance. The concluding theme is the reduction of prejudice. An ideal core text for junior and senior college students who have had a course in introductory psychology, it is written in a style that is accessible to students in other fields including education, social work, business, communication studies, ethnic studies, and other disciplines. In addition to courses on prejudice and discrimination, this book is also adapted for courses that cover topics in racism and diversity.

From Attraction to Obsession and Stalking

Complete A+ Guide to IT Hardware and Software

Essentials of Personnel Assessment and Selection

Evidence: Law and Context

Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises

(with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Written as a tutorial to explore and understand the power of R for machine learning. This practical guide that covers all of the need to know topics in a very systematic way. For each machine learning approach, each step in the process is detailed, from preparing the data for analysis to evaluating the results. These steps will build the knowledge you need to apply them to your own data science tasks.Intended for those who want to learn how to use R's machine learning capabilities and gain insight from your data. Perhaps you already know a bit about machine learning, but have never used R; or perhaps you know a little R but are new to machine learning. In either case, this book will get you up and running quickly. It would be helpful to have a bit of familiarity with basic programming concepts, but no prior experience is required.

The Gas Turbine Engineering Handbook has been the standard for engineers involved in the design, selection, and operation of gas turbines. This revision includes new case histories, the latest techniques, and new designs to comply with recently passed legislation. By keeping the book up to date with new, emerging topics, Boyce ensures that this book will remain the standard and most widely used book in this field. The new Third Edition of the Gas Turbine Engineering Hand Book updates the book to cover the new generation of Advanced gas Turbines. It examines the benefit and some of the major problems that have been encountered by these new turbines. The book keeps abreast of the environmental changes and the industries answer to these new regulations. A new chapter on case histories has been added to enable the engineer in the field to keep abreast of problems that are being encountered and the solutions that have resulted in solving them. Comprehensive treatment of Gas Turbines from Design to Operation and Maintenance. In depth treatment of Compressors with emphasis on surge, rotating stall, and choke; Combustors with emphasis on Dry Low NOx Combustors; and Turbines with emphasis on Metallurgy and new cooling schemes. An excellent introductory book for the student and field engineers A special maintenance section dealing with the advanced gas turbines, and special diagnostic charts have been provided that will enable the reader to troubleshoot problems he encounters in the field The third edition consists of many Case Histories of Gas Turbine problems. This should enable the field engineer to avoid some of these same generic problems

Ingle's Endodontics, 7th edition, is the most recent revision of the text that has been known as the "Bible of Endodontics" for half a century. The new edition, published in two volumes, continues the tradition of including the expertise of international leaders in the field. Eighty-six authors contributed cutting-edge knowledge and updates on topics that have formed the core of this book for years. New chapters reflect the ways in which the field of endodontics has evolved over the 50 years since the pioneer John I. Ingle authored Endodontics. Ingle's Endodontics will continue to be the standard against which all other endodontic texts will be measured. The 40 chapters are arranged in two volumes under three sections: The Science of Endodontics; The Practice of Endodontics: Diagnosis, Clinical Decision Making, Management, Prognosis; and Interdisciplinary Endodontics. With contributions from the world's experts in all phases of the specialty, Ingle's Endodontics, 7th edition promises to be an indispensable dentistry textbook, an essential part of every endodontist's library.

Delay and Disruption in Construction Contracts

Advances in Remote Sensing and Geo Informatics Applications

Thinking in Java

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018

Evidence-based Physical Diagnosis

Separation Process Principles with Applications Using Process Simulator, 4th Edition is the most comprehensive and up-to-date treatment of the major separation operations in the chemical industry. The 4th edition focuses on using process simulators to design separation processes and prepares readers for professional practice. Completely rewritten to enhance clarity, this fourth edition provides engineers with a strong understanding of the field. With the help of an additional co-author, the text presents new information on bioseparations throughout the chapters. A new chapter on mechanical separations covers settling, filtration and centrifugation including mechanical separations in biotechnology and cell lysis. Boxes help highlight fundamental equations. Numerous new examples and exercises are integrated throughout as well. Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recen

Robert Guion's best seller is now available in this new second edition. This noted book offers a comprehensive and practical view of assessment –based personnel decisions not available elsewhere in a single source. This edition more frankly evaluates the current research and practice and presents challenges that will change the basic thinking about staffing systems. This new edition suggests new directions for research and practice, includes emphasis on modern computers and technology useful in assessment, and pays more attention to prediction of individual growth and globalization challenges in the assessment process. The book will be of interest to faculty and students in Industrial Organizational psychology, human resource management and business. IO psychologists in private business and public sector organizations who have responsibilities for staffing and an interest in measurement and statistics will find this book useful.

In June 2019, the Committee on the Judiciary initiated a bipartisan investigation into the state of competition online, spearheaded by the Subcommittee on Antitrust, Commercial and Administrative Law. As part of a top-to-bottom review of the market, the Subcommittee examined the dominance of Amazon, Apple, Facebook, and Google, and their business practices to determine how their poweraffects our economy and our democracy. Additionally, the Subcommittee performed a review of existing antitrust laws, competition policies, and current enforcement levels to assess whether they areadequate to address market power and anticompetitive conduct in digital markets. Over the course of our investigation, we collected extensive evidence from these companies aswell as from third parties-totaling nearly 1.3 million documents. We held seven hearings to review the effects of market power online-including on the free and diverse press, innovation, and privacy-and a final hearing to examine potential solutions to concerns identified during the investigation and to inform this Report's recommendations. A year after initiating the investigation, we received testimony from the Chief ExecutiveOfficers of the investigated companies: Jeff Bezos, Tim Cook, Mark Zuckerberg, and Sundar Pichai. For nearly six hours, we pressed for answers about their business practices, including about evidence concerning the extent to which they have exploited, entrenched, and expanded their power over digitalmarkets in anticompetitive and abusive ways. Their answers were often evasive and non-responsive, raising fresh questions about whether they believe

they are beyond the reach of democratic oversight. Although these four corporations differ in important ways, studying their business practices hasrevealed common problems
The Selection and Use of Essential Medicines
The Dark Side of Relationship Pursuit
The Microbiome in Rheumatic Diseases and Infection
Ingle's Endodontics

Cases Materials on the Carriage of Goods by Sea includes a collection of legislative material, standard form contracts and up-to-date coverage of English case law. It covers the major areas of chartering and bills of lading, as well as matters such as exclusion and limitation of liability. This edition has been comprehensively updated and adds the latest cases to its strong coverage of classic authorities. Notable additions in the chapters dealing with bills of lading include The Starsin, The Rafaela S, Motis Exports and The David Agmashenebeli. On the Carriage of Goods by Sea Act 1992, the important decisions of The Berge Sisar and East West Corp are incorporated, while key recent decisions on chartering, such as The Hill Harmony, The Happy Day and The Stolt Spur are fully treated. This book provides an up-to-date collection of materials relating to the carriage of goods by sea which will be of value to both students of law and legal practitioners.
Trends and Research
Failure Analysis of Heat Treated Steel Components
A Designer's Guide to Processing, Arduino, and Openframeworks
PCCDS 2020
Investigation Of Competition In Digital Markets