

Ishans Computer Organisation And Architecture

The book is intended to provide an insight into the DBMS concepts. An effort has been made to familiarize the readers with the concepts of database normalization, concurrency control, deadlock handling and recovery etc., which are extremely vital for a clear understanding of DBMS. To familiarize the readers with the equivalence amongst Relational Algebra, Tuple Relational Calculus, and SQL, a large number of equivalent queries have been provided. The concepts of normalization have been elaborated very systematically by fully covering the underlying concepts of functional dependencies, multi-valued dependencies, join dependencies, loss-less-join decomposition, dependency-preserving decomposition etc. It is hoped that with the help of the information provided in the text, a reader will be able to design a flawless database. Also, the concepts of serializability, concurrency control, deadlock handling and log-based recovery have been covered in full detail. An overview has also been provided of the issues related to distributed-databases.

Earthen architecture constitutes one of the most diverse forms of cultural heritage and one of the most challenging to preserve. It dates from all periods and is found on all continents but is particularly prevalent in Africa, where it has been a building tradition for centuries. Sites range from ancestral cities in Mali to the palaces of Abomey in Benin, from monuments and mosques in Iran and Buddhist temples on the Silk Road to Spanish missions in California. This volume's sixty-four papers address such themes as earthen architecture in Mali, the conservation of living sites, local knowledge systems and intangible aspects, seismic and other natural forces, the conservation and management of archaeological sites, research advances, and training.

*One of the primary topics at the center of discussion, and very often debate, between industry professionals, government officials, and the general public is the current healthcare system and the potential for an overhaul of its processes and services. Many organizations concerned for the long-term care of patients wish to see new strategies, practices, and organizational tools developed to optimize healthcare systems all over the world. One of the central engines of the current shift toward reorientation of healthcare services is virtual and mobile healthcare. *Virtual and Mobile Healthcare: Breakthroughs in Research and Practice* explores the trends, challenges, and issues related to the emergence of mobile and virtual healthcare. The book also examines how mobile technologies can best be used for the benefit of both doctors and their patients. Highlighting a range of topics such as smart healthcare, electronic health records, and m-health, this publication is an ideal reference source for medical professionals, healthcare administrators, doctors, nurses, practitioners, and researchers in all areas of the medical field.*

Computer Architecture and Organization

Computer Organization & Architecture 7e

Compiler Design

Computer Organization

A Yogi's Guide to Joy

Terra 2008

This is a thorough introduction to the concepts underlying networking technology, from physical carrier media to protocol stacks (for example, TCP/IP). The author includes historical material to show the logic behind the development of a given mechanism, and includes comprehensive discussions of increasingly important material, such as B-ISDN (Broadband Integrated Services Digital Network) and ATM (Asynchronous Transmission Mode).

Introduction --The collapse of the Emirate and the early regrouping, 2002-4 --The apogee of the Quetta Shura, 2005-9 --The emergence of alternative centres of power to Quetta --The crisis of the Quetta Shura 2009-13 --The Taliban's tactical adaptation --Organisational adaptation --The troubled comeback of the Quetta Shura 2014 --Conclusion.The impossible centralisation of power --centralist movement --Epilogue.

Timber construction is one of the most prevalent methods of constructing buildings in North America and an increasingly significant method of construction in Europe and the rest of the world. Timber Engineering deals not only with the structural aspects of timber construction, structural components, joints and systems based on solid timber and engineered wood products, but also material behaviour and properties on a wood element level. Produced by internationally renowned experts in the field, this book represents the state of the art in research on the understanding of the material behaviour of solid wood and engineered wood products. There is no comparable compendium currently available on the topic - the subjects represented include the most recent phenomena of timber engineering and the newest development of practice-related research. Grouped into three different sections, 'Basic properties of timber based structural elements', 'Design aspects on timber structures' and 'Joints and structural assemblies', this book focuses on the understanding of: timber as a modern engineered construction material with controlled and documented properties the background for design of structural systems based on timber and engineered wood products the background for structural timber joints in structural timber systems Furthermore, this invaluable book contains advanced teaching material for all technical schools and universities involved in timber engineering. It also provides an essential resource for timber engineering students and researchers as well as practicing structural and civil engineers.

How Hindu Nationalism Is Changing India

Mastering Cloud Computing

Inner Engineering

Data Communications and Networking

Concepts, Methodologies, Tools, and Applications

Introduction to Data Communications and Networking

The merging of computer and communication technologies with consumer electronics has opened up new vistas for a wide variety of designs of

computing systems for diverse application areas. This revised and updated third edition on Computer Organization and Design strives to make the students keep pace with the changes, both in technology and pedagogy in the fast growing discipline of computer science and engineering. The basic principles of how the intended behaviour of complex functions can be realized with the interconnected network of digital blocks are explained in an easy-to-understand style. **WHAT IS NEW TO THIS EDITION :** Includes a new chapter on Computer Networking, Internet, and Wireless Networks. Introduces topics such as wireless input-output devices, RAID technology built around disk arrays, USB, SCSI, etc. **Key Features** Provides a large number of design problems and their solutions in each chapter. Presents state-of-the-art memory technology which includes EEPROM and Flash Memory apart from Main Storage, Cache, Virtual Memory, Associative Memory, Magnetic Bubble, and Charged Couple Device. Shows how the basic data types and data structures are supported in hardware. Besides students, practising engineers should find reading this design-oriented text both useful and rewarding.

This manuscript is the first in a two part survey and analysis of the state of the art in secure processor systems, with a specific focus on remote software attestation and software isolation. This manuscript first examines the relevant concepts in computer architecture and cryptography, and then surveys attack vectors and existing processor systems claiming security for remote computation and/or software isolation. This work examines in detail the modern isolation container (enclave) primitive as a means to minimize trusted software given practical trusted hardware and reasonable performance overhead. Specifically, this work examines in detail the programming model and software design considerations of Intel's Software Guard Extensions (SGX), as it is an available and documented enclave-capable system. Part II of this work is a deep dive into the implementation and security evaluation of two modern enclave-capable secure processor systems: SGX and MIT's Sanctum. The complex but insufficient threat model employed by SGX motivates Sanctum, which achieves stronger security guarantees under software attacks with an equivalent programming model. This work advocates a principled, transparent, and well-scrutinized approach to secure system design, and argues that practical guarantees of privacy and integrity for remote computation are achievable at a reasonable design cost and performance overhead.

Newton is widely considered in history as the most influential scientist. He is best known for his discovery of gravity and the subsequent laws of motion that he meticulously theorized. School children around the world are acquainted with the popular legend about an apple falling on Newton's head which led to the famous discovery of gravity. However that colourful story and the preoccupation with Newton's work in physics tends to make people forget Newton's work in other fields. This biography captures both the personal life as well as the career of Isaac Newton devoted entirely to scientific pursuit. It presents a complete picture of Newton the man, the scientist, the philosopher, the theologian and the public figure. Newton was very religious, and intently studied the Bible and even occult practices and theories. Newton wrote at length on these subjects, which fascinated him so much that he spent more time writing about them than he did science and mathematics. This biography is an interesting journey through his life shedding light on a personality which towers the scientific world to this day.

Wireless Communications and Networks

Computer Architecture and Organization: From 8085 to core2Duo & beyond

Timber Engineering

Data Feminism

Latest Vastu Shastra (Some Secrets)

Information Technology for Management 7/e prepares students how to take an active role in the design, use, and management of information systems and technology by providing a broad treatment of issues relating to an organization, the technology used, and how systems are developed. The main focus deals with applying technology in an organization or transforming existing systems with the use of information technology.

`Most folks in organizations dichotomize reason and emotion, often treating emotion as an uncommon or marginal occurrence. Written in a clear and lively style, Steve Fineman's book, *Understanding Emotion at Work*, dispels this notion as he demonstrates how emotions infuse most practices in organizational life, including leading, decision making, organizational change, gender relations, stress, and downsizing. Sprinkled with vivid examples, Fineman captures the positive benefits of emotions at work as well as the darker side of feelings and despair. Scholars, students and practitioners alike will glean important insights from the lens of emotion that Fineman brings to the subtleties of organizational life' - Linda L Putnam, Texas A&M University `Stephen Fineman has written a wise and engaging text about emotions and how they play out in and around organizations. He underscores, with a range of fine examples, thoughtful commentary and careful scholarship, the essential role of emotions in organizational life. He applies his lens to such issues as recruitment, leadership, decision making and change. He extends the reach of emotions into the virtual world of work and he makes apparent the heavy costs to people and their organizations of toxic emotions that stem from bullying, harassment and downsizing. A must-read in any curriculum dealing with the study of organization' - Peter Frost, Edgar F. Kaiser Professor of Organizational Behaviour, Faculty of Commerce and Business Administration, University of British Columbia, Canada Author of *Toxic Emotions at Work* HBS Press 2003 `Going to work can be a great joy, a great pain, or a mixture of the two. This clearly written, engaging and authoritative book demonstrates the vital necessity of understanding how emotions permeate work organisations at every level and in every situation. No student of work and its organisation can afford to neglect this important area of study. And no writer on work and organisation is better placed to go to the heart of these matters than Stephen Fineman' - Professor Tony J Watson, Professor of Organisational and Managerial Behaviour, Nottingham Business School `In this book, Professor Stephen Fineman has done more of what he does best writing eloquently and perceptively about emotions in organizations. In this case, he is writing directly for students, both undergraduates and postgraduates, and uses a wide range of disciplinary insights to show how emotions are inextricably embedded in organizational life. His book helps to launch

students on a voyage of self-discovery to learn for themselves how emotions impact upon them and their colleagues. As someone who has long challenged the "emotion-less" view of emotion that characterizes much of the research on this phenomenon, he uses his considerable skills to convey the importance, richness and nuance of emotion. Nor does he shrink away from tackling the darker side of organizational emotional life challenging students to reflect on the agony, as well as the ecstasy, that passionate emotions can cause. This book is a valuable resource for teachers wanting to introduce students to organizations, and a fascinating and astute aid for students interested in learning about them - Professor Cynthia Hardy, Department of Management, University of Melbourne 'Organizational life is shot through with emotions, spawning a growing interest in topics ranging from emotional intelligence to violence at work. Stephen Fineman provides a much-needed survey of these topics, capturing their sprawling breadth without sacrificing depth. Moreover, he succeeds in conveying the everyday feel of emotions in organizational life in a way that is both engaging and informative' - Blake Ashforth, Jerry and Mary Ann Chapman Professor of Business, W P Carey School of Business, Arizona State University

Understanding Emotion at Work gets to the heart of what binds and breaks organizations: emotion. It explores beyond the surface of work to the rich emotional life bubbling underneath, showing what employees and managers constantly deal with but are often ill-equipped to do so. This is the first introductory book on emotions and it's aimed specifically at students of management and organization studies. Written accessibly, it avoids pat prescriptions, but leaves the reader with challenging questions about the intrinsic nature of emotions to the design and management of organizations. Drawing on a rich discipline-field, including psychology, sociology and organizational theory, Stephen Fineman explores a number of familiar and not so familiar work arenas. He examines the way emotion penetrates leadership, decision-making and organizational change as well as newer topics like the virtual side of organizations. Finally, he addresses the darker side of emotion in the context of bullying, violence, sexual harassment and downsizing. Understanding Emotion at Work will shed light on this growing subject for advanced undergraduates and postgraduates studying organizational behaviour, HRM or organizational psychology.

Computer Organization & Architecture 7e Pearson Education India
Introduction to Embedded Systems, Second Edition
A Cyber-Physical Systems Approach MIT Press

Information Technology for Management

Distributed Systems

A Cyber-Physical Systems Approach

Handbook of Research on Green ICT: Technology, Business and Social Perspectives

Foundations and Applications Programming

Understanding Emotion at Work

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

Like its predecessors, this fully updated Fifth Edition of Local and Metropolitan Area Networks provides a clear, comprehensive presentation of LAN/MAN technology and the many emerging approaches to high-speed local networking. It meets the needs of today's students by emphasizing both the fundamental principles as well as the critical role of performance in driving LAN/MAN design.

One of the greatest challenges faced by designers of digital systems is optimizing the communication and interconnection between system components. Interconnection networks offer an attractive and economical solution to this communication crisis and are fast becoming pervasive in digital systems. Current trends suggest that this communication bottleneck will be even more problematic when designing future generations of machines. Consequently, the anatomy of an interconnection network router and science of interconnection network design will only grow in importance in the coming years. This book offers a detailed and comprehensive presentation of the basic principles of interconnection network design, clearly illustrating them with numerous examples, chapter exercises, and case studies. It incorporates hardware-level descriptions of concepts, allowing a designer to see all the steps of the process from abstract design to concrete implementation. Case studies throughout the book draw on extensive author experience in designing interconnection networks over a period of more than twenty years, providing real world examples of what works, and what doesn't. Tightly couples concepts with implementation costs to facilitate a deeper understanding of the tradeoffs in the design of a practical network. A set of examples and exercises in every chapter help the reader to fully understand all the implications of every design decision.

Eco-architecture III

Advanced Microprocessors and Peripherals

Majoritarian State

Human Computer Interaction and Emerging Technologies

Principles of Compiler Design

Healthcare Reference Book

Majoritarian State traces the ascendance of Hindu nationalism in contemporary India. Led by Prime Minister Narendra Modi, the BJP administration has established an ethno-religious and populist style of rule since 2014. Its agenda is also pursued beyond the formal branches of government, as the new dispensation portrays conventional social hierarchies as intrinsic to Indian culture while condoning communal and caste- and gender-based violence. The contributors explore how Hindutva ideology has permeated the state apparatus and formal institutions, and how Hindutva activists exert control over civil society via vigilante groups, cultural policing and violence.

Groups and regions portrayed as 'enemies' of the Indian state are the losers in a new order promoting the interests of the urban middle class and business elites. As this majoritarian ideology pervades the media and public discourse, it also affects the judiciary, universities and cultural institutions, increasingly captured by Hindu nationalists. Dissent and difference silenced and debate increasingly sidelined as the press is muzzled or intimidated in the courts. Internationally, the BJP government has emphasised hard power and a fast-expanding security state. This collection of essays offers rich empirical analysis and documentation to investigate the causes and consequences of the illiberal turn taken by the world's largest democracy.

The Book Irrigation And Water Resources Engineering Deals With The Fundamental And General Aspects Of Irrigation And Water Resources Engineering And Includes Recent Developments In Hydraulic Engineering Related To Irrigation And Water Resources Engineering. Significant Inclusions In The Book Are A Chapter On Management (Including Operation, Maintenance, And Evaluation) Of Canal Irrigation In India, Detailed Environmental Aspects For Water Resource Projects, A Note On Interlinking Of Rivers In India, And Design Problems Of Hydraulic Structures Such As Guide Bunds, Settling Basins Etc. The First Chapter Of The Book Introduces Irrigation And Deals With The Need, Development And Environmental Aspects Of Irrigation In India. The Second Chapter On Hydrology Deals With Different Aspects Of Surface Water Resource. Soil-Water Relationships Have Been Dealt With In Chapter 3. Aspects Related To Ground Water Resource Have Been Discussed In Chapter 4. Canal Irrigation And Its Management Aspects Form The Subject Matter Of Chapters 5 And 6. Behaviour Of Alluvial Channels And Design Of Stable Channels Have Been Included In Chapters 7 And 8, Respectively. Concepts Of Surface And Subsurface Flows, As Applicable To Hydraulic Structures, Have Been Introduced In Chapter 9. Different Types Of Canal Structures Have Been Discussed In Chapters 10, 11, And 13. Chapter 12 Has Been Devoted To Rivers And River Training Methods. After Introducing Planning Aspects Of Water Resource Projects In Chapter 14, Embankment Dams, Gravity Dams And Spillways Have Been Dealt With, Respectively, In Chapters 15, 16 And 17. The Students Would Find Solved Examples (Including Design Problems) In The Text, And Unsolved Exercises And The List Of References Given At The End Of Each Chapter Useful.

INTERACT Conferences are an important platform for researchers and practitioners in the field of human-computer interaction (HCI) to showcase their work. They are organised biennially by the International Federation for Information Processing Technical Committee on Human-Computer Interaction (IFIP TC13), a committee of 30 member national societies and 9 Working Groups. This volume contains the Adjunct Proceedings to the 17th INTERACT Conference (2019), which was held in Paphos, Cyprus. The papers were submitted after the main publication deadline and published after the conference. They are selected papers from conference workshops, the Student Design Consortium and the Doctoral Consortium.

Computer Organization 5th Edition

Travels in Central Asia

Biography of Issac Newton

Recent Advances

The Taliban at War

Harmonisation Between Architecture and Nature

"This book provides the research and instruction used to develop and implement software quickly, in small iteration cycles,

and in close cooperation with the customer in an adaptive way, making it possible to react to changes set by the constant changing business environment. It presents four values explaining extreme programming (XP), the most widely adopted agile methodology"--Provided by publisher.

An introduction to the engineering principles of embedded systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems.

"This handbook coalesces worldwide investigations, thoughts, and practices in the area of Green ICT, covering the technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, social policies, and technical implementations"--Provided by publisher.

Adjunct Proceedings from the INTERACT 2019 Workshops

Introduction to Embedded Systems, Second Edition

Database Management Systems

Background, Taxonomy for Secure Enclaves and Intel SGX Architecture

Breakthroughs in Research and Practice

COMPUTER ORGANIZATION AND DESIGN

This book contains most of the papers presented in the Eco-Architecture 2010 conference, which was the third edition of the International Conference on Harmonisation between Architecture and Nature. Previous editions, that were very successful were held previously in the New Forest, UK, in 2006 and the Algarve, Portugal in 2008 and demonstrated the importance of a forum like this to discuss the characteristics and challenges of such architectural vision. Eco-Architecture implies a new approach to the

design process intended to harmonise its products with nature. This involves ideas such as minimum use of energy at each stage of the building process, taking into account the amount required during the extraction and transportation of materials, their fabrication, assembly, building erection, maintenance and eventual future recycling. Presentations in the conference were related to topics like building technologies, design by passive systems, design with nature, ecological and cultural sensitivity, life cycle assessment, quantifying sustainability in architecture, resources and rehabilitation, and issues from education, research and practice. Case studies from different places around the world were also presented.

Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. Business Intelligence: Concepts, Methodologies, Tools, and Applications presents a comprehensive examination of business data analytics along with case studies and practical applications for businesses in a variety of fields and corporate arenas. Focusing on topics and issues such as critical success factors, technology adaptation, agile development approaches, fuzzy logic tools, and best practices in business process management, this multivolume reference is of particular use to business analysts, investors, corporate managers, and entrepreneurs in a variety of prominent industries.

The book uses microprocessors 8085 and above to explain the various concepts. It not only covers the syllabi of most Indian universities but also provides additional information about the latest developments like Intel Core? II Duo, making it one of the most updated textbook in the market. The book has an excellent pedagogy; sections like food for thought and quicksand corner make for an interesting read.

2001-2018

*Principles and Practices of Interconnection Networks
Irrigation and Water Resources Engineering*

Agile Software Development Quality Assurance

Secure Processors Part I

The 10th International Conference on the Study and Conservation of Earthen Architectural Heritage

NEW YORK TIMES BESTSELLER - Thought leader, visionary, philanthropist, mystic, and yogi Sadhguru presents Western readers with a time-tested path to achieving absolute well-being: the classical science of yoga. NAMED ONE OF THE TEN BEST BOOKS OF THE YEAR BY SPIRITUALITY & HEALTH The practice of hatha yoga, as we commonly know it, is but one of eight branches of the body of knowledge that is yoga. In fact, yoga is a sophisticated system of self-empowerment that is capable of harnessing and activating inner energies in such a way that your body and mind function at their optimal capacity. It is a means to create inner situations exactly the way you want them, turning you into the architect of your own joy. A yogi lives life in this expansive state, and in this transformative book Sadhguru tells the story of his own awakening, from a boy with an unusual affinity for the natural world to a young daredevil who crossed the Indian continent on his motorcycle. He relates the moment of his enlightenment on a mountaintop in southern India, where time stood still and he emerged radically changed. Today, as the founder of Isha, an organization devoted to humanitarian causes, he lights the path for millions. The term guru, he notes, means "dispeller of darkness, someone who opens the door for you. . . . As a guru, I have no doctrine to teach, no philosophy to impart, no belief to propagate. And that is because the only solution for all the ills that plague humanity is self-transformation. Self-transformation means that nothing of the old remains. It is a dimensional shift in the way you perceive and experience life." The wisdom distilled in this accessible, profound, and engaging book offers readers time-tested tools that are fresh, alive, and radiantly new. Inner Engineering presents a revolutionary way of thinking about our agency and our humanity and the opportunity to achieve nothing less than a life of joy. Praise for Sadhguru and Inner Engineering "Contrarian and consistent, ancient and contemporary, Inner Engineering is a loving invitation to live our best lives and a profound reassurance of why and how we can."--Sir Ken Robinson, author of The Element, Finding Your Element, and Out of Our Minds: Learning to Be Creative "I am inspired by Sadhguru's capacity for joy, his exuberance for life, and the depth and breadth of his curiosity and knowledge. His book is filled with moments of wonder, awe, and intellectual challenge. I highly recommend it for anyone interested in self-transformation."--Mark Hyman, M.D., director, Cleveland Clinic Center for Functional Medicine, and New York Times bestselling author "Inner Engineering is a fascinating read of Sadhguru's insights and his teachings. If you are ready, it is a tool to help awaken your own inner intelligence, the ultimate and supreme genius that mirrors the wisdom of the cosmos."--Deepak Chopra

Computer Architecture and Organization, 3rd edition, provides a comprehensive and up-to-date view of the architecture and internal organization of computers from a mainly hardware perspective. With a balanced treatment of qualitative and quantitative issues. Hayes focuses on the understanding of the basic principles while avoiding overemphasis on the arcane aspects of design. This approach best meets the needs of undergraduate or beginning graduate-level students.

Philosophy, Cultural

Virtual and Mobile Healthcare: Breakthroughs in Research and Practice

Local and Metropolitan Area Networks

Being the Account of a Journey from Teheran Across the Turkoman Desert on the Eastern Shore of the Caspian to Khiva, Bokhara, and Samarcand ; Performed in the Year 1863

Technology, Business and Social Perspectives

Computer Systems Design And Architecture, 2/E

Business Intelligence: Concepts, Methodologies, Tools, and Applications

This book will provide a comprehensive technical guide covering fundamentals, recent advances and open issues in wireless communications and networks to the readers. The objective of the book is to serve as a valuable reference for students, educators, scientists, faculty members, researchers, engineers and research strategists in these rapidly evolving fields and to encourage them to actively explore these broad, exciting and rapidly evolving research areas.

A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In *Data Feminism*, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever “speak for themselves.” *Data Feminism* offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But *Data Feminism* is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.

For this third edition of -Distributed Systems, - the material has been thoroughly revised and extended, integrating principles and paradigms into nine chapters: 1. Introduction 2. Architectures 3. Processes 4. Communication 5. Naming 6. Coordination 7. Replication 8. Fault tolerance 9. Security A separation has been made between basic material and more specific subjects. The latter have been organized into boxed sections, which may be skipped on first reading. To assist in understanding the more algorithmic parts, example programs in Python have been included. The examples in the book leave out many details for readability, but the complete code is available through the book's Website, hosted at www.distributed-systems.net. A personalized digital copy of the book is available for free, as well as a printed version through Amazon.com.

Secure Communication for 5G and IoT Networks