

# BUKU BAHARU JUN 2024

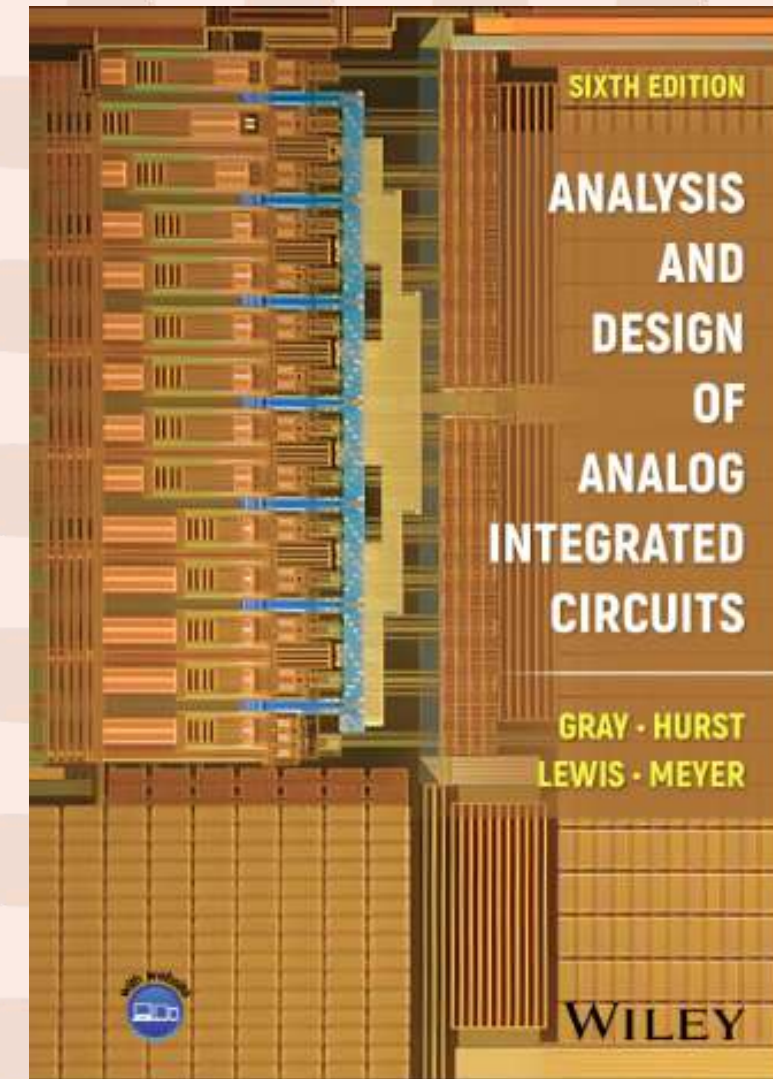
## PERPUSTAKAAN LINGKUNGAN KEDUA

**Title** : Analysis and Design of Analog Integrated Circuits, 6th Edition  
**Authors:** Paul J. Hurst, Paul R. Gray, Robert G. Meyer, Stephen H. Lewis  
**ISBN** : 9781394220069  
**Publisher** : Wiley  
**Year** : 2024

**Abstract:**

Written in an accessible style to ensure complex content can be appreciated by both students and professionals, this Sixth Edition of Analysis and Design of Analog Integrated Circuits is a highly comprehensive textbook on analog design, offering in-depth coverage of the fundamentals of circuits in a single volume. To aid in reader comprehension and retention, supplementary material includes end of chapter problems, plus a Solution Manual for instructors.

In addition to the well-established concepts, this Sixth Edition introduces a new super-source follower circuit and its large-signal behavior, frequency response, stability, and noise properties. New material also introduces replica biasing, describes and analyzes two op amps with replica biasing, and provides coverage of weighted zero-value time constants as a method to estimate the location of dominant zeros, pole-zero doublets (including their effect on settling time and three examples of circuits that create doublets), the effect of feedback on pole-zero doublets, and MOS transistor noise performance (including a thorough treatment on thermally induced gate noise).



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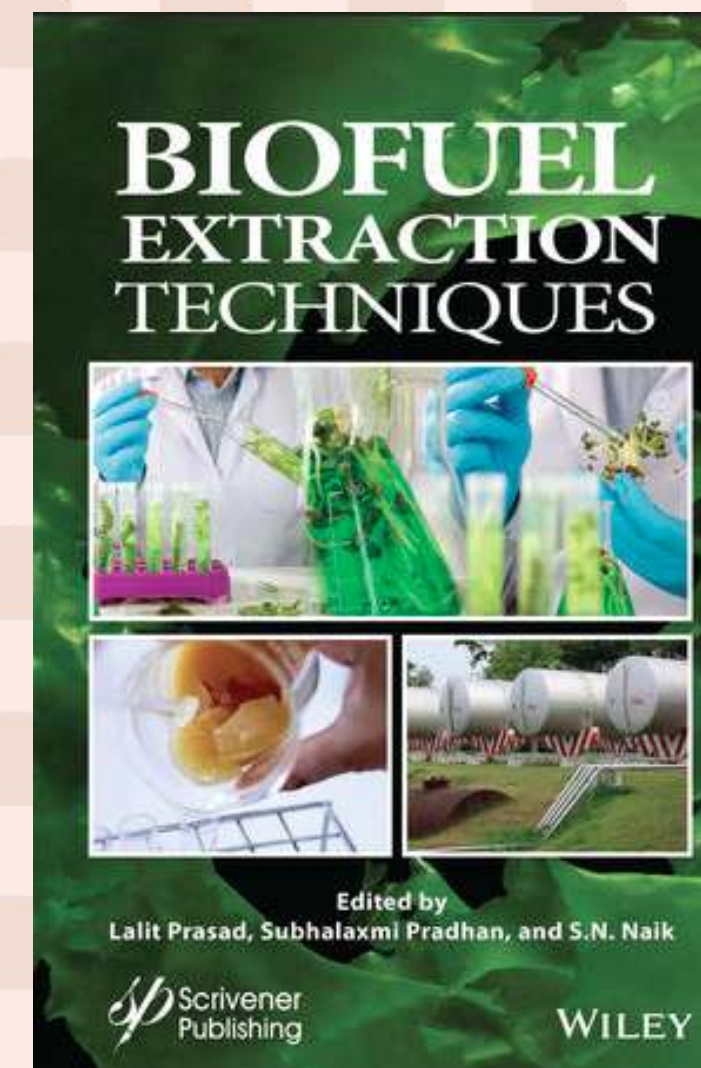
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**<https://shorturl.at/1oWqG>**

**Title** : Biofuel Extraction Techniques  
**Editors** : Subhalaxmi Pradhan (Editor), Lalit Prasad (Editor), S. N. Naik (Editor)  
**ISBN** : 9781119829324  
**Publisher** : Wiley  
**Year** : 2023

**Abstract:**

Biofuels are a viable alternative to petroleum-based fuel because they are produced from organic materials such as plants and their wastes, agricultural crops, and by-products. The development of cutting-edge technology has increased the need for energy significantly, which has resulted in an overreliance on fossil fuels. Renewable fuels are an important subject of research because of their biodegradability, eco-friendliness, decrease in greenhouse gas (GHG) emissions, and favorable socioeconomic consequences to counteract imitations of fossil fuels.

Different extraction techniques are used for the production of biofuel from renewable feedstocks. A good example is biodiesel, a promising biofuel which is produced by transesterification of plant-based oils. Extraction of oil includes traditional methods, solvent extraction, mechanical extraction, microwave-assisted and ultrasonic-assisted methods. Many innovative techniques are also used to overcome the limitations of conventional methods. Microwave-assisted and ultrasonic-assisted are some of the new techniques which include the pre-treatment of the raw material using either ultrasonic waves or radio waves which helps in increasing the efficiency of the extraction of oil and improves the final quality of the oil.



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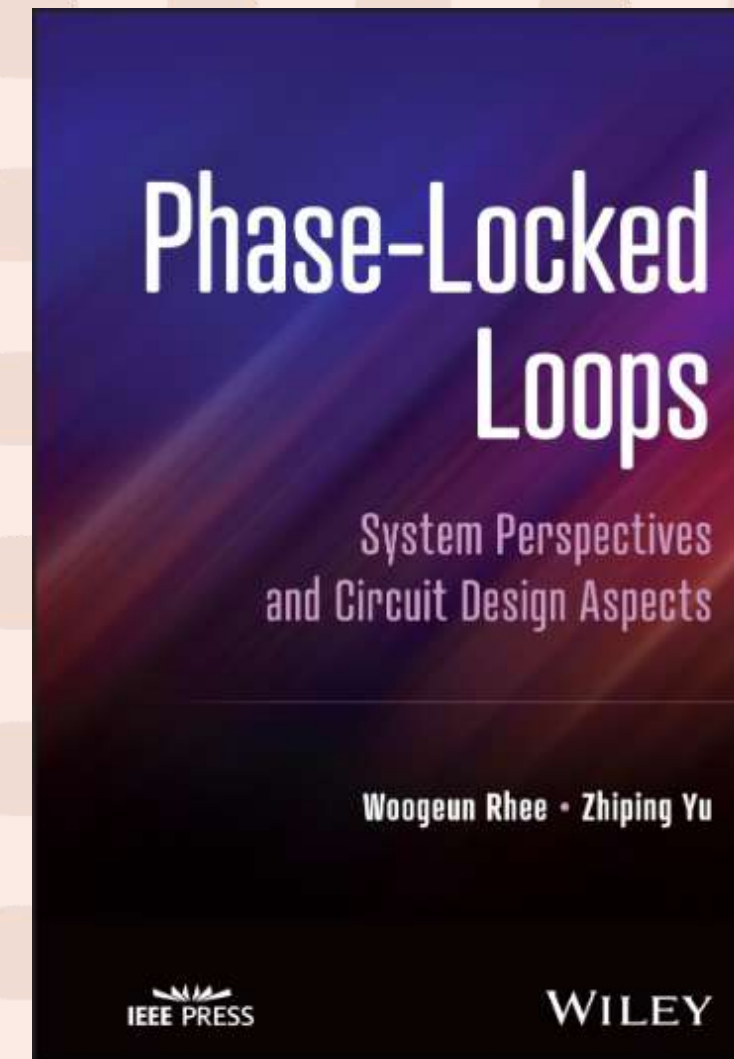
**Title** : Phase-Locked Loops: System Perspectives and Circuit Design Aspects  
**Authors** : Woogeun Rhee , Zhiping Yu  
**ISBN** : 9781119909040  
**Publisher** : Wiley  
**Year** : 2024

**Abstract:**

A phase-locked loop (PLL) is a type of circuit with a range of important applications in telecommunications and computing. It generates an output signal with a controlled relationship to an input signal, such as an oscillator which matches the phases of input and output signals. This is a critical function in coherent communication systems, with the result that the theory and design of these circuits are essential to electronic communications of all kinds.

Phase-Locked Loops: System Perspectives and Circuit Design Aspects provides a concise, accessible introduction to PLL design. It introduces readers to the role of PLLs in modern communication systems, the fundamental techniques of phase-lock circuitry, and the possible applications of PLLs in a wide variety of electronic communications contexts. The first book of its kind to incorporate modern architectures and to balance theoretical fundamentals with detailed design insights, this promises to be a must-own text for students and industry professionals. The book also features:

- Coverage of PLL basics with insightful analysis and examples tailored for circuit designers
- Applications of PLLs for both wireless and wireline systems
- Practical circuit design aspects for modern frequency generation, frequency modulation, and clock recovery systems



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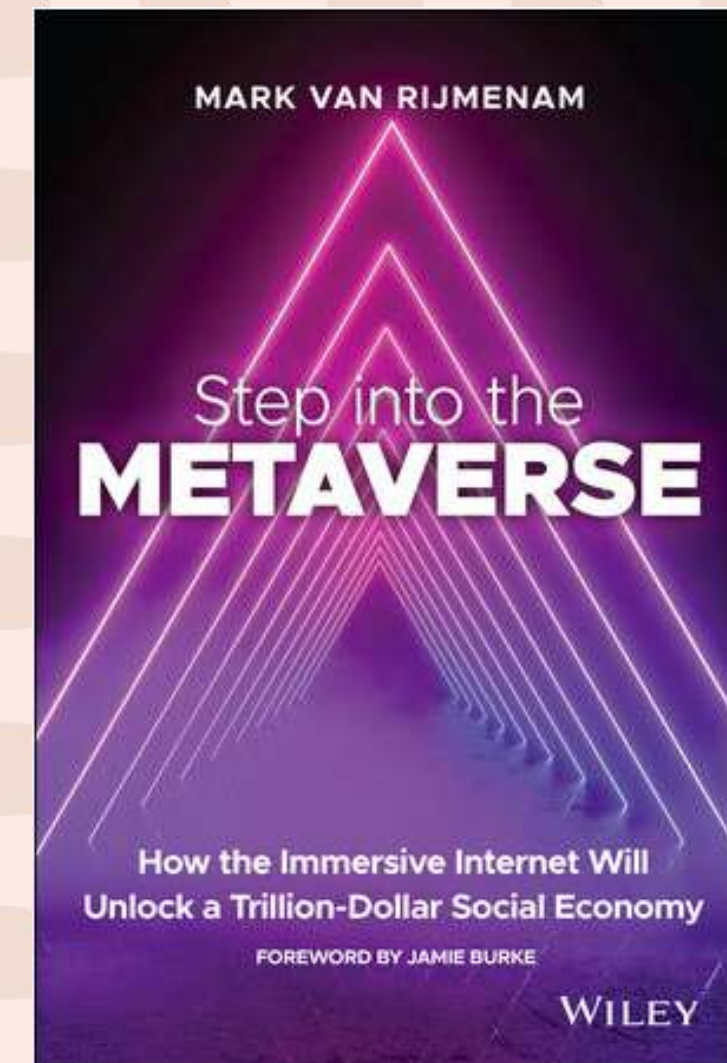
**Title** : Step into the Metaverse: How the Immersive Internet Will Unlock a Trillion-Dollar Social Economy  
**Authors** : Mark van Rijmenam  
**ISBN** : 9781119887577  
**Publisher** : Wiley  
**Year** : 2022

**Abstract:**

In Step into the Metaverse: How the Immersive Internet Will Unlock a Trillion-Dollar Social Economy, future tech strategist, entrepreneur, and thought leader Dr. Mark van Rijmenam delivers a startlingly insightful discussion about how the world as we know it will fundamentally change as the physical and the digital worlds merge into the metaverse, impacting the everyday experiences of people, companies, and societies. The author maps out the extraordinary opportunities and challenges facing business leaders, consumers, regulators, policymakers, and other metaverse stakeholders trying to navigate the future of the Internet.

In the metaverse, you can be who you want to be, where you want to be, and companies and consumers are only restricted by their own creativity how they can benefit from the immersive internet. With engaging commentary on issues ranging from avatars, identity and digital fashion to non-fungible tokens (NFTs), blockchain and the economics of the metaverse, this book also offers:

- Discussions on the importance of an open and interoperable metaverse build on the web 3.0 paradigm if we want to reign in the control of Big Tech over our identity, data and lives.
- Explorations of the enormous—and largely untapped—potential for metaverse entertainment, including gaming, music, media, and sports and how brands can engage with their customers in novel ways and how digital twins will change how we work and innovate.
- Considerations related to the dangers of an always-on, immersive internet, including data breaches, avatar imposters, mental health issues, corporate and state surveillance, and the need for metaverse law.



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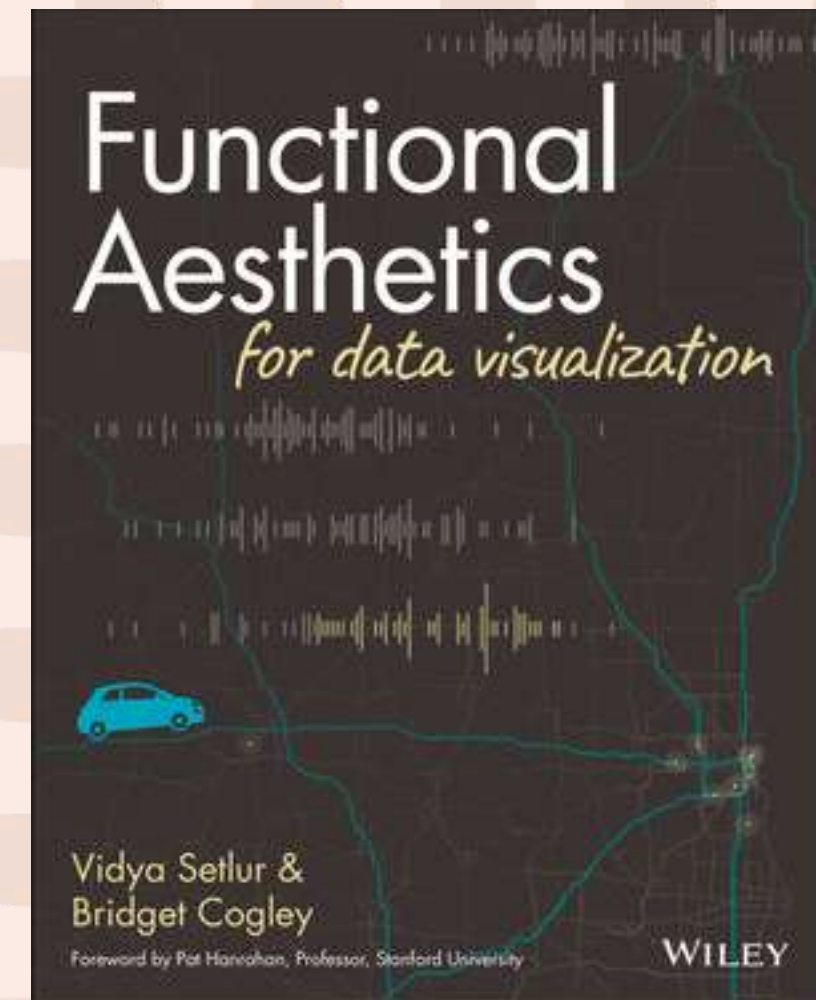
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**Title** : Functional Aesthetics for Data Visualization  
**Authors** : Vidya Setlur, Bridget Cogley  
**ISBN** : 9781119810087  
**Publisher** : Wiley  
**Year** : 2022

**Abstract:**

What happens when a researcher and a practitioner spend hours crammed in a Fiat discussing data visualization? Beyond creating beautiful charts, they found greater richness in the craft as an integrated whole. Drawing from their unconventional backgrounds, these two women take readers through a journey around perception, semantics, and intent as the triad that influences visualization. This visually engaging book blends ideas from theory, academia, and practice to craft beautiful, yet meaningful visualizations and dashboards.

How do you take your visualization skills to the next level? The book is perfect for analysts, research and data scientists, journalists, and business professionals. Functional Aesthetics for Data Visualization is also an indispensable resource for just about anyone curious about seeing and understanding data. Think of it as a coffee book for the data geek in you.



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**For more info:**  
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**Title** : Present Beyond Measure: Design, Visualize, and Deliver Data Stories That Inspire Action  
**Authors** : Lea Pica  
**ISBN** : 9781394202171  
**Publisher** : Wiley  
**Year** : 2024

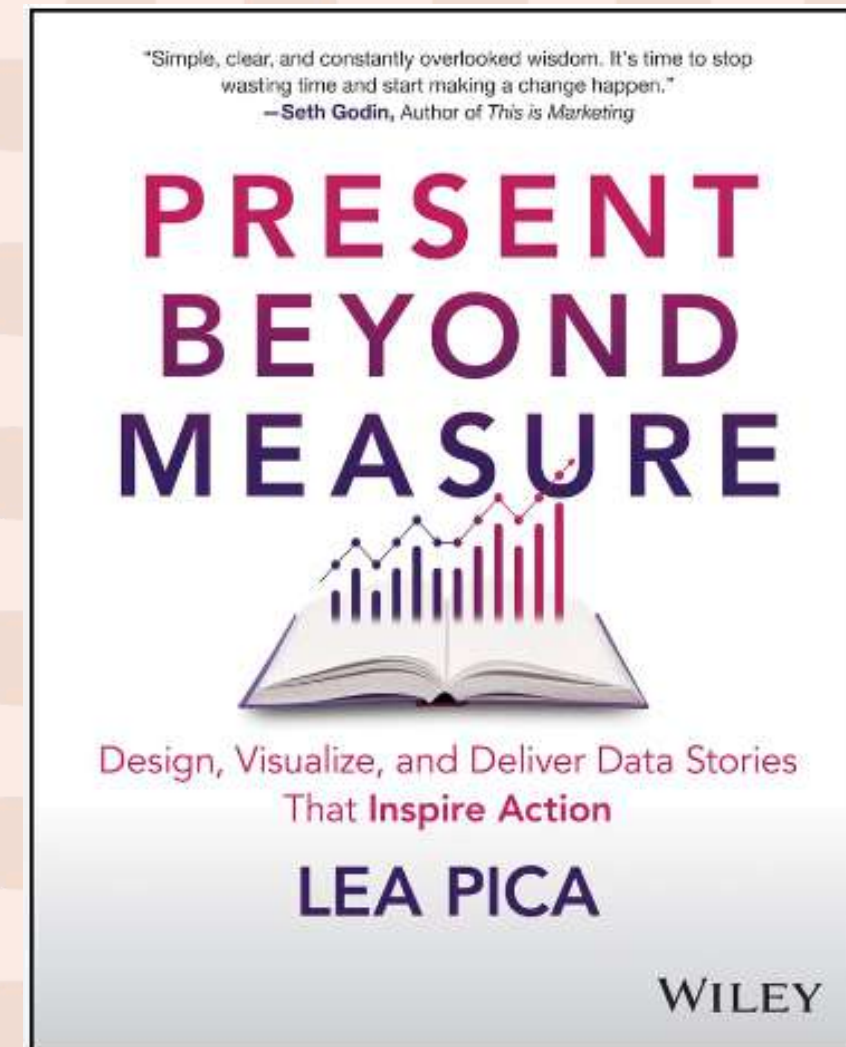
**Abstract:**

Are you suffering from Data Presentation Zombification?

Billions of dollars and thousands of hours are lost every year during ineffective business meetings worldwide. Data practitioners painstakingly present their valuable analytical insights, only to fall flat, inspiring more yawns than yeses. In Present Beyond Measure: Design, Visualize, and Deliver Data Stories That Inspire Action, Lea Pica provides a 4-phase, step-by-step blueprint for planning, designing, visualizing, and delivering compelling data storytelling in business presentations. Following her blueprint, you will learn how to use neuroscience and cinematic storytelling techniques to galvanize your stakeholders into action.

By the final page, you'll know exactly how to:

- Choose the data that matters most to your decision-makers
- Speak to different stakeholder audience personality types (even the most challenging)
- Infuse your data presentation with a persuasive narrative storyline
- Craft strategic recommendations that get approved and implemented
- Design simple, stunning slides that communicate without confusing
- Transmit your data story with best-practice data visualization techniques
- Avoid the most common data visualization violations and charting pitfalls
- Prepare for and deliver your presentation like a professional speaker
- Navigate challenging meeting conversations and logistics with ease



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**Title** : Beginning Database Design Solutions: Understanding and Implementing Database Design Concepts for the Cloud and Beyond, 2nd Edition

**Author** : Rod Stephens

**ISBN** : 9781394155729

**Publisher** : Wiley

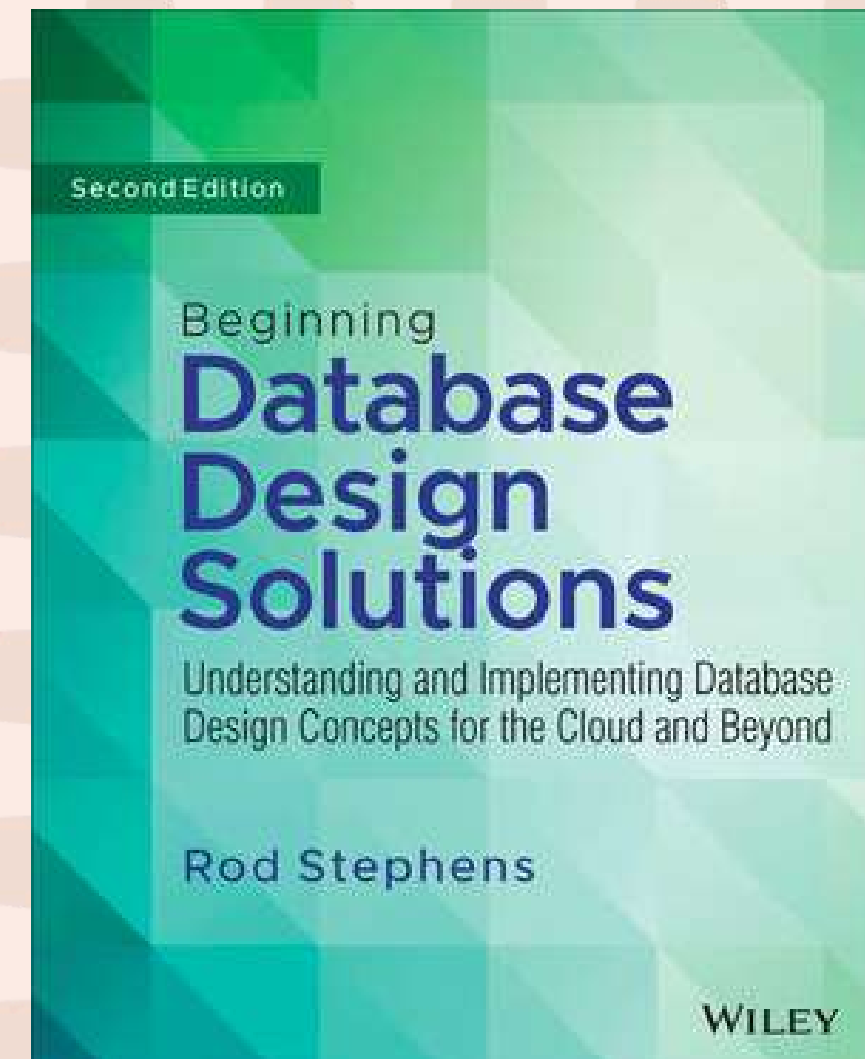
**Year** : 2023

**Abstract:**

In the newly revised second edition of Beginning Database Design Solutions: Understanding and Implementing Database Design Concepts for the Cloud and Beyond, Second Edition, award-winning programming instructor and mathematician Rod Stephens delivers an easy-to-understand guide to designing and implementing databases both in and out of the cloud. Without assuming any prior database design knowledge, the author walks you through the steps you'll need to take to understand, analyze, design, and build databases.

In the book, you'll find clear coverage of foundational database concepts along with hands-on examples that help you practice important techniques so you can apply them to your own database designs, as well as:

- Downloadable source code that illustrates the concepts discussed in the book
- Best practices for reliable, platform-agnostic database design
- Strategies for digital transformation driven by universally accessible database design



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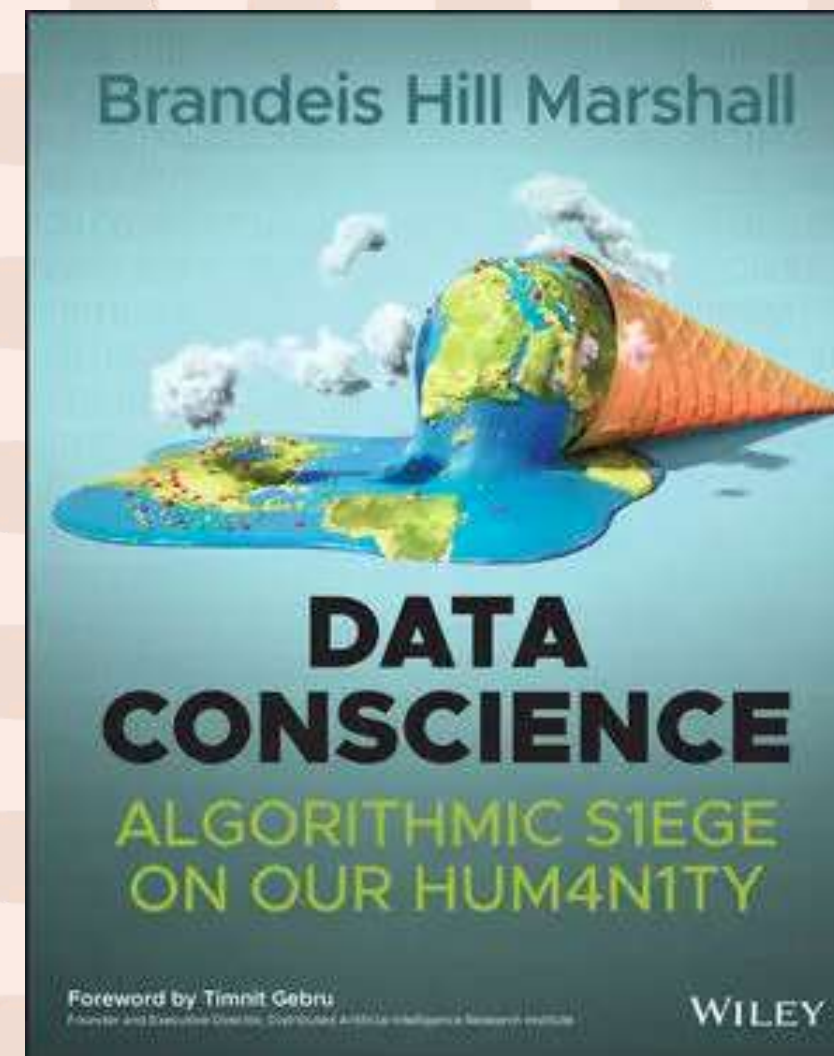
**Title** : Data Conscience: Algorithmic Siege on our Humanity  
**Author** : Timnit Gebru (Foreword by), Brandeis Hill Marshall  
**ISBN** : 9781119821182  
**Publisher** : Wiley  
**Year** : 2023

**Abstract:**

Data has enjoyed ‘bystander’ status as we’ve attempted to digitize responsibility and morality in tech. In fact, data’s importance should earn it a spot at the center of our thinking and strategy around building a better, more ethical world. It’s use—and misuse—lies at the heart of many of the racist, gendered, classist, and otherwise oppressive practices of modern tech. In *Data Conscience: Algorithmic Siege on our Humanity*, computer science and data inclusivity thought leader Dr. Brandeis Hill Marshall delivers a call to action for rebel tech leaders, who acknowledge and are prepared to address the current limitations of software development. In the book, Dr. Brandeis Hill Marshall discusses how the philosophy of “move fast and break things” is, itself, broken, and requires change.

You’ll learn about the ways that discrimination rears its ugly head in the digital data space and how to address them with several known algorithms, including social network analysis, and linear regression. A can’t-miss resource for junior-level to senior-level software developers who have gotten their hands dirty with at least a handful of significant software development projects, *Data Conscience* also provides readers with:

- Discussions of the importance of transparency
- Explorations of computational thinking in practice
- Strategies for encouraging accountability in tech
- Ways to avoid double-edged data visualization
- Schemes for governing data structures with law and algorithms



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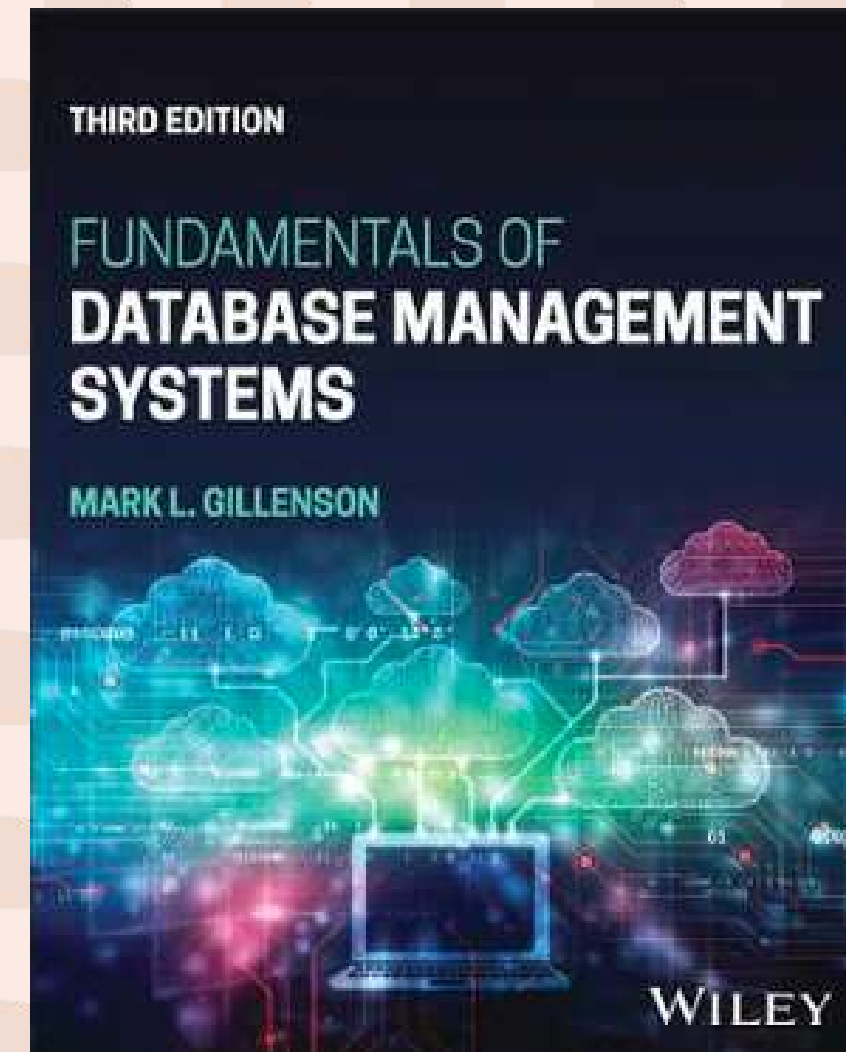
**Title** : Fundamentals of Database Management Systems, 3rd Edition  
**Editors** : Mark L. Gillenson  
**ISBN** : 9781119907466  
**Publisher** : Wiley  
**Year** : 2023

**Abstract:**

In the newly revised third edition of Fundamentals of Database Management Systems, veteran database expert Dr. Mark Gillenson delivers an authoritative and comprehensive account of contemporary database management. The Third Edition assists readers in understanding critical topics in the subject, including data modeling, relational database concepts, logical and physical database design, SQL, data administration, data security, NoSQL, blockchain, database in the cloud, and more.

The author offers a firm grounding in the fundamentals of database while, at the same time, providing a wide-ranging survey of database subfields relevant to information systems professionals. And, now included in the supplements, the author's audio narration of the included PowerPoint slides! Readers will also find:

- Brand-new content on NoSQL database management, NewSQL, blockchain, and database-intensive applications, including data analytics, ERP, CRM, and SCM
- Updated and revised narrative material designed to offer a friendly introduction to database management
- Renewed coverage of cloud-based database management
- Extensive updates to incorporate the transition from rotating disk secondary storage to solid state drives.



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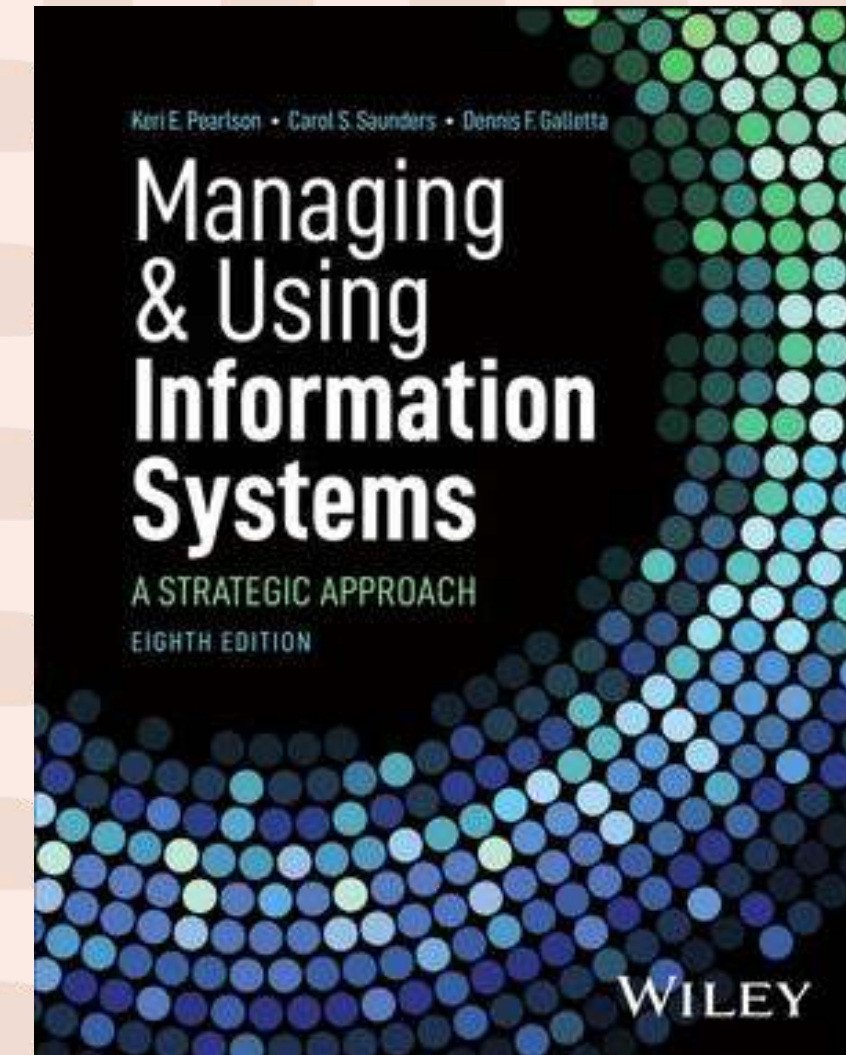
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**For more info:**  
<https://shorturl.at/bdvWY>

**Title** : Managing and Using Information Systems: A Strategic Approach, 8th Edition  
**Editors** : Carol S. Saunders, Keri E. Pearlson, Dennis F. Galletta  
**ISBN** : 9781394215447  
**Publisher** : Wiley  
**Year** : 2024

**Abstract:**

Managing & Using Information Systems: A Strategic Approach delivers a solid knowledgebase of basic concepts to help MBA students and general business managers alike become informed, competent participants in Information Systems (IS) decisions. Now in its eighth edition, this fully up-to-date textbook explains the fundamental principles and practices required to use and manage information while illustrating how information systems can create or obstruct opportunities — and even propel digital transformations within a wide range of organizations.

Drawing from their expertise in both academia and industry, the authors discuss the business and design processes relevant to IS while presenting a basic framework that connects business strategy, IS strategy, and organizational strategy. Step by step, readers are guided through each essential aspect of Information Systems, from fundamental information architecture and infrastructure to cyber security, Artificial Intelligence (AI), business analytics, project management, platform and IS governance, IS sourcing, and more. Detailed chapters contain mini-cases, full-length case studies, discussion topics, review questions, supplemental readings, and topic-specific managerial concerns that provide insights into real-world IS issues.



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