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Electrostatic Discharge Protection - Juin J. Liou

2017-12-19

Electrostatic discharge (ESD) is one of the most prevalent threats to electronic components. In an ESD event, a finite amount of charge is transferred from one object (i.e., human body) to another (i.e., microchip). This process can result in a very high current passing through the microchip within a very short period of time. Thus, more than 35 percent of single-event chip damages can be attributed to

ESD events, and designing ESD structures to protect integrated circuits against the ESD stresses is a high priority in the semiconductor industry. *Electrostatic Discharge Protection: Advances and Applications* delivers timely coverage of component- and system-level ESD protection for semiconductor devices and integrated circuits. Bringing together contributions from internationally respected researchers and engineers with expertise in ESD design, optimization, modeling,

simulation, and characterization, this book bridges the gap between theory and practice to offer valuable insight into the state of the art of ESD protection. Amply illustrated with tables, figures, and case studies, the text: Instills a deeper understanding of ESD events and ESD protection design principles Examines vital processes including Si CMOS, Si BCD, Si SOI, and GaN technologies Addresses important aspects pertinent to the modeling and simulation of ESD protection solutions Electrostatic Discharge Protection: Advances and Applications provides a single source for cutting-edge information vital to the research and development of effective, robust ESD protection solutions for semiconductor devices and integrated circuits.

The Circuit Designer's Companion - Tim Williams
1993-01-01

This is a compendium of practical wisdom concerning real world aspects of electronic

circuit design gathered during years of experience in industry. The Companion enables circuit designers to produce more effective working circuits. Valued by linear and digital designers alike, this guide explains and outlines solutions that take into account the imperfect behaviour of real components, interconnections and circuits. Electronic circuit design can be divided into two areas: the first consists in designing a circuit that will fulfil its specified function; the second consists in designing the same circuit so that every production model of it will fulfil its specified function reliably over its lifetime. Designers who can appreciate the techniques and tools used in the latter area are becoming increasingly rare. The aim of this guide is to help such people. The subjects covered include grounding, printed circuit design and layout, the characteristics of practical active and passive components, cables, linear ICs, logic circuits and their interfaces, power supplies, electromagnetic compatibility,

safety and thermal management. Throughout, the implications of manufacturability and cost are stressed. The style is direct and lucid, providing straightforward practical advice. This is the ideal guide to real world design for both students and practitioners.

Innovations in Mechanical Engineering - José Machado
2021-06-16

This book covers a variety of topics in the field of mechanical engineering, with a special focus on methods and technologies for modeling, simulation, and design of mechanical systems. Based on a set of papers presented at the 1st International Conference “Innovation in Engineering”, ICIE, held in Guimarães, Portugal, on June 28–30, 2021, it focuses on innovation in mechanical engineering, spanning from engineering design and testing of medical devices, evaluation of new materials and composites for different industrial applications, fatigue and stress analysis of mechanical

structures, and application of new tools such as 3D printing, CAE 3D models, and decision support systems. This book, which belongs to a three-volume set, provides engineering researchers and professionals with extensive and timely information on new technologies and developments in the field of mechanical engineering and materials.

R Markdown - Yihui Xie
2018-07-27

R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and

tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R

Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

[Electronic Reliability Design Handbook](#) - 1988

bookdown - Yihui Xie
2016-12-12

bookdown: Authoring Books and Technical Documents with R Markdown presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX,

you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is

fully available on GitHub.

Semiconductor Device Reliability - A. Christou
2012-12-06

This publication is a compilation of papers presented at the Semiconductor Device Reliability Workshop sponsored by the NATO International Scientific Exchange Program. The Workshop was held in Crete, Greece from June 4 to June 9, 1989. The objective of the Workshop was to review and to further explore advances in the field of semiconductor reliability through invited paper presentations and discussions. The technical emphasis was on quality assurance and reliability of optoelectronic and high speed semiconductor devices. The primary support for the meeting was provided by the Scientific Affairs Division of NATO. We are indebted to NATO for their support and to Dr. Craig Sinclair, who administers this program. The chapters of this book follow the format and order of the sessions of the meeting. Thirty-

six papers were presented and discussed during the five-day Workshop. In addition, two panel sessions were held, with audience participation, where the particularly controversial topics of burn-in and reliability modeling and prediction methods were discussed. A brief review of these sessions is presented in this book.

A First Course in Design and Analysis of Experiments - Gary W. Oehlert 2000-01-19

Oehlert's text is suitable for either a service course for non-statistics graduate students or for statistics majors. Unlike most texts for the one-term grad/upper level course on experimental design, Oehlert's new book offers a superb balance of both analysis and design, presenting three practical themes to students:

- when to use various designs
- how to analyze the results
- how to recognize various design options

Also, unlike other older texts, the book is fully oriented toward the use of statistical software in analyzing experiments.

Understanding Options for

Agricultural Production -

G.Y. Tsuji 2013-03-14

The first premise of this book is that farmers need access to options for improving their situation. In agricultural terms, these options might be management alternatives or different crops to grow, that can stabilize or increase household income, that reduce soil degradation and dependence on off-farm inputs, or that exploit local market opportunities. Farmers need a facilitating environment, in which affordable credit is available if needed, in which policies are conducive to judicious management of natural resources, and in which costs and prices of production are stable. Another key ingredient of this facilitating environment is information: an understanding of which options are viable, how these operate at the farm level, and what their impact may be on the things that farmers perceive as being important. The second premise is that systems analysis and simulation have an important role to play in

fostering this understanding of options, traditional field experimentation being time-consuming and costly. This book summarizes the activities of the International Benchmark Sites Network for Agrotechnology Transfer (IBSNAT) project, an international initiative funded by the United States Agency for International Development (USAID). IBSNAT was an attempt to demonstrate the effectiveness of understanding options through systems analysis and simulation for the ultimate benefit of farm households in the tropics and subtropics. The idea for the book was first suggested at one of the last IBSNAT group meetings held at the University of Hawaii in 1993.

2004 IUCN Red List of Threatened Species - Jonathan Baillie 2004

Applies Red List data to calculate a Red List Index.

Hard Drive Bible - Martin Bodo 1996

THE HARD DRIVE BIBLE, EIGHTH EDITION is the definitive reference book for

anyone who deals with personal computer data storage devices of any kind. This comprehensive work covers installations, drive parameters, & set up information for thousands of Hard Disk, Optical, DAT Tape, & CD-ROM Drives. A concise history of data storage devices is followed by the most expansive compilation of technical data offered to the public today. Specifications, drawings, charts & photos cover jumper settings, cabling, partitioning & formatting of disk drives. SCSI commands & protocols are addressed, in addition to chapters revealing the intricacies of different interface standards & common troubleshooting procedures. THE HARD DRIVE BIBLE contains the answers to anyone's questions concerning the purchase, installation & use of modern digital data storage devices. The difficulties caused by compatibility mismatches are addressed & solutions are offered. Also featured are controller card information & performance

ratings, as well as valuable tips on increasing drive performance & reliability through software. THE HARD DRIVE BIBLE is published by Corporate Systems Center, one of the leaders in the digital storage device field. A CD-ROM included with the book carries CSC's drive performance test software & formatting tools, as well as thousands of drive parameters, specifications, & technical drawings. To order contact: Corporate Systems Center, 1294 Hammerwood Avenue, Sunnyvale, CA 94089; 408-743-8787.

Annual Energy Outlook

2012 - Energy Information Administration (U S)
2012-10-03

"The projections in the U.S. Energy Information Administration's (EIA's) Annual Energy Outlook 2012 (AEO2012) focus on the factors that shape the U.S. energy system over the long term. Under the assumption that current laws and regulations remain unchanged throughout the projections, the AEO2012 Reference case provides the

basis for examination and discussion of energy production, consumption, technology, and market trends and the direction they may take in the future. It also serves as a starting point for analysis of potential changes in energy policies. But AEO2012 is not limited to the Reference case. It also includes 29 alternative cases (see Appendix E, Table E1), which explore important areas of uncertainty for markets, technologies, and policies in the U.S. energy economy. Many of the implications of the alternative cases are discussed in the 'Issues in focus' section of this report. / Key results highlighted in AEO2012 include continued modest growth in demand for energy over the next 25 years and increased domestic crude oil and natural gas production, largely driven by rising production from tight oil and shale resources. As a result, U.S. reliance on imported oil is reduced; domestic production of natural gas exceeds consumption, allowing for net

exports; a growing share of U.S. electric power generation is met with natural gas and renewables; and energy-related carbon dioxide emissions remain below their 2005 level from 2010 to 2035, even in the absence of new Federal policies designed to mitigate greenhouse gas (GHG) emissions."--Executive Summary (p. 2).
Operational Amplifiers Databook - 1995

Newnes Radio and RF Engineering Pocket Book - Steve Winder 2002-09-24
Preface; Propagation of radio waves; The decibel scale; Transmission lines; Antennas; Resonant circuits; Oscillators; Piezo-electric devices; Bandwidth requirements and modulation; Frequency planning; Radio equipment; Microwave communication; Information privacy and encryption; Multiplexing; Speech digitization and synthesis; VHF and UHF mobile communication; Signalling; Mobile radio systems; Base station site

management; Instrumentation; Batteries; Satellite communications; Connectors and interfaces; Broadcasting; Abbreviations and symbols; Miscellaneous data; Index.
BiCMOS Bus Interface Logic - Texas Instruments Incorporated 1988

Semiconductor Device Fundamentals - Robert F. Pierret 1996
Special Features *Computer-based exercises and homework problems -- unique to this text and comprising 25% of the total number of problems -- encourage students to address realistic and challenging problems, experiment with what if scenarios, and easily obtain graphical outputs. Problems are designed to progressively enhance MATLAB-use proficiency, so students need not be familiar with MATLAB at the start of your course. Program scripts that are answers to exercises in the text are available at no charge in electronic form (see Teaching Resources below).
*Supplement and Review Mini-

Chapters after each of the text's three parts contain an extensive review list of terms, test-like problem sets with answers, and detailed suggestions on supplemental reading to reinforce students' learning and help them prepare for exams. *Read-Only Chapters, strategically placed to provide a change of pace during the course, provide informative, yet enjoyable reading for students.

*Measurement Details and Results samples offer students a realistic perspective on the seldom-perfect nature of device characteristics, contrary to the way they are often represented in introductory texts. Content Highlight

Annual Energy Outlook 2016 With Projections to 2040 - Energy Dept., Energy Information Administration
2017-02-15

The Annual Energy Outlook 2016 presents long-term projections of energy supply, demand, and prices through 2040. The projections, focused on U.S. energy markets, are based on results from EIA's

National Energy Modeling System which enables EIA to make projections under alternative, internally consistent sets of assumptions.

Up-to-date World's Transistors-diodes Thyristors & IC's Comparison Tables A-Z. -
1999

Internet of Things and Analytics for Agriculture, Volume 3 - Prasant Kumar Pattnaik 2021-11-10

The book discusses one of the major challenges in agriculture which is delivery of cultivate produce to the end consumers with best possible price and quality. Currently all over the world, it is found that around 50% of the farm produce never reaches the end consumer due to wastage and suboptimal prices. The authors present solutions to reduce the transport cost, predictability of prices on the past data analytics and the current market conditions, and number of middle hops and agents between the farmer and the end consumer using IoT-based

solutions. Again, the demand by consumption of agricultural products could be predicted quantitatively; however, the variation of harvest and production by the change of farm's cultivated area, weather change, disease and insect damage, etc., could be difficult to be predicted, so that the supply and demand of agricultural products has not been controlled properly. To overcome, this edited book designed the IoT-based monitoring system to analyze crop environment and the method to improve the efficiency of decision making by analyzing harvest statistics. The book is also useful for academicians working in the areas of climate changes.

Application Manual Power Semiconductors - 2015

Spacecraft Attitude Determination and Control -
J.R. Wertz 2012-12-06
Roger D. Werking Head,
Attitude Determination and Control Section National Aeronautics and Space Administration/ Goddard Space

Flight Center Extensiye work has been done for many years in the areas of attitude determination, attitude prediction, and attitude control. During this time, it has been difficult to obtain reference material that provided a comprehensive overview of attitude support activities. This lack of reference material has made it difficult for those not intimately involved in attitude functions to become acquainted with the ideas and activities which are essential to understanding the various aspects of spacecraft attitude support. As a result, I felt the need for a document which could be used by a variety of persons to obtain an understanding of the work which has been done in support of spacecraft attitude objectives. It is believed that this book, prepared by the Computer Sciences Corporation under the able direction of Dr. James Wertz, provides this type of reference. This book can serve as a reference for individuals involved in mission planning,

attitude determination, and attitude dynamics; an introductory textbook for students and professionals starting in this field; an information source for experimenters or others involved in spacecraft-related work who need information on spacecraft orientation and how it is determined, but who have neither the time nor the resources to pursue the varied literature on this subject; and a tool for encouraging those who could expand this discipline to do so, because much remains to be done to satisfy future needs.

Learning Spark - Jules S. Damji
2020-07-16

Data is bigger, arrives faster, and comes in a variety of formats—and it all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark matters. Specifically,

this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walkthroughs, code snippets, and notebooks, you'll be able to:

- Learn Python, SQL, Scala, or Java high-level Structured APIs
- Understand Spark operations and SQL Engine
- Inspect, tune, and debug Spark operations with Spark configurations and Spark UI
- Connect to data sources: JSON, Parquet, CSV, Avro, ORC, Hive, S3, or Kafka
- Perform analytics on batch and streaming data using Structured Streaming
- Build reliable data pipelines with open source Delta Lake and Spark
- Develop machine learning pipelines with MLlib and productionize models using MLflow

Top O'the Tom - Andrew Colvin 1975

Understanding Smart Sensors - Randy Frank 2013
Now in its third edition, *Understanding Smart Sensors* is the most complete, up-to-date, and authoritative

summary of the latest applications and developments impacting smart sensors in a single volume. This thoroughly expanded and revised edition of an Artech bestseller contains a wealth of new material, including critical coverage of sensor fusion and energy harvesting, the latest details on wireless technology, and greater emphasis on applications through the book. Utilizing the latest in smart sensor, microelectromechanical systems (MEMS) and microelectronic research and development, Engineers get the technical and practical information they need keep their designs and products on the cutting edge. Providing an extensive variety of information for both technical and non-technical professionals, this easy-to-understand, time-saving book covers current and emergent technologies, as well as their practical implementation. This comprehensive resource also includes an extensive list of smart sensor acronyms and a

glossary of key terms.

Guidelines for Flag State Inspections Under the Maritime Labour Convention, 2006 -

International Labour Organisation 2009

The texts of the Guidelines for flag State inspections under the Maritime Labour Convention, 2006 and Guidelines for port State control officers carrying out inspections under the Maritime Labour Convention, 2006 are to be submitted to the 303rd Session (November 2008) of the ILO Governing Body which is expected to take a decision on its publication.

The Lobbying Strategy Handbook - Pat Libby and Associates 2011-07-13

Inspiring students to take action! The Lobbying Strategy Handbook shows how students with passion for a cause can learn to successfully influence lawmaking in the United States. The centerpiece of this book is a 10-step framework that walks the reader through the essential elements of conducting a lobbying

campaign. The framework is illustrated by three separate case studies that show how groups of people have successfully used the model. Undergraduate, graduate students, and anyone interested in making a difference, can use the book to guide them in creating and conducting a grassroots campaign from start to finish. Video: Lobbying Is NOT a 4-Letter Word Author Pat Libby, Professor of Practice and Director of the Institute for Nonprofit Education and Research, University of San Diego, discusses lobbying rules and strategy in her video presentation, Lobbying Is NOT a 4-Letter Word. Discover more about the author and the book here:

Environmental Management and Development - Chris Barrow 2005

Chris Barrow clarifies the definition, nature and role of environmental management in development and developing countries, making extensive use of global-local case studies.

Cochrane Handbook for

Systematic Reviews of Interventions - Julian P. T.

Higgins 2008-11-24

Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions.

Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library

(www.thecochranelibrary.com).

The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the

principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves.

The Product Manager's Handbook - Linda Gorchels
2000

"The Product Manager's Handbook" is the essential guide to successful product management in today's fast-changing business world. Product and brand managers, as well as upper-level sales, marketing, and branding executives, will find the text thorough and informative as it explains and analyzes the product manager's role in both traditional, hierarchical organizations as well as in newer horizontal, team-driven decision-making structures. "What is a product manager?" The overall responsibility of a

product manager is to integrate the various segments of a business into a strategically focused whole, maximizing the value of a product by coordinating the production of an offering with an understanding of market needs. A product manager must oversee all aspects of a product or service line in order to create and deliver superior customer satisfaction while simultaneously providing long-term value for the company. "The Product Manager's Handbook" covers all of these topics in a convenient, easy-to-follow presentation that includes: Hands-on charts for managing every key step, from concept to completion Practical checklists for evaluating progress at every critical stage Brief profiles in every chapter of specific product management roles, functions, and issues Real-world cases illustrating the challenges of product management in action This thoroughly revised and updated second edition fully integrates the Internet and other digital technologies into

the product manager's arsenal of tools. The book includes all new information on what it takes to be a successful product manager. It explains the product manager's role in the planning process (including strategic and operational planning), how to evaluate product portfolios, how to propose and develop successful new products, and more. The product manager is frequently the source of the entrepreneurial spirit and sense of innovation that drives a successful organization. Learn to make the most of your product management system with this indispensable reference guide.

Creative Conservation - P.J. Olney 2012-12-06
Past progress and future challenges R.J. Wheater Royal Zoological Society of Scotland, Edinburgh, UK. In the past two decades much has been achieved in the sphere of breeding endangered species, and we should be pleased that our co operative efforts have already borne so much fruit. However, on balance and

despite the best efforts of conservationists, the position of wildlife in the wild places where they are best conserved has become worse, often dramatically worse. Before returning to the United Kingdom in 1972, I was in Uganda for 16 years, most of which time was spent as Chief Warden of Murchison Falls National Park. Our main problem was that an over-population of large mammals was having a devastating impact on the habitat. Devastation was being wrought on woodland areas by the arrival of large numbers of elephants into the sanctuary of the Park, following changes in land use in the areas outside the Park. These changes were in response to the requirements of an ever-expanding human population.

Practical Statistics for Data Scientists - Peter Bruce 2017-05-10
Statistical methods are a key part of data science, yet very few data scientists have any formal statistics training. Courses and books on basic

statistics rarely cover the topic from a data science perspective. This practical guide explains how to apply various statistical methods to data science, tells you how to avoid their misuse, and gives you advice on what's important and what's not. Many data science resources incorporate statistical methods but lack a deeper statistical perspective. If you're familiar with the R programming language, and have some exposure to statistics, this quick reference bridges the gap in an accessible, readable format. With this book, you'll learn: Why exploratory data analysis is a key preliminary step in data science How random sampling can reduce bias and yield a higher quality dataset, even with big data How the principles of experimental design yield definitive answers to questions How to use regression to estimate outcomes and detect anomalies Key classification techniques for predicting which categories a record belongs to Statistical machine learning methods that

“learn” from data
Unsupervised learning methods for extracting meaning from unlabeled data
The Power MOSFET Application Handbook - 2016

Fundamentals of Spacecraft Attitude Determination and Control - F. Landis Markley
2014-05-31

This book explores topics that are central to the field of spacecraft attitude determination and control. The authors provide rigorous theoretical derivations of significant algorithms accompanied by a generous amount of qualitative discussions of the subject matter. The book documents the development of the important concepts and methods in a manner accessible to practicing engineers, graduate-level engineering students and applied mathematicians. It includes detailed examples from actual mission designs to help ease the transition from theory to practice and also provides prototype algorithms

that are readily available on the author's website. Subject matter includes both theoretical derivations and practical implementation of spacecraft attitude determination and control systems. It provides detailed derivations for attitude kinematics and dynamics and provides detailed description of the most widely used attitude parameterization, the quaternion. This title also provides a thorough treatise of attitude dynamics including Jacobian elliptical functions. It is the first known book to provide detailed derivations and explanations of state attitude determination and gives readers real-world examples from actual working spacecraft missions. The subject matter is chosen to fill the void of existing textbooks and treatises, especially in state and dynamics attitude determination. MATLAB code of all examples will be provided through an external website. [Semiconductor Fundamentals](#) - Robert F. Pierret 1988-01-01 This book presents those

terms, concepts, equations, and models that are routinely used in describing the operational behavior of solid state devices. The second edition provides many new problems and illustrative examples.

Data Acquisition Databook - 1995

Anatomy of a Business Plan

- Linda Pinson 1996

Explains the function of a business plan, and shows how to prepare a marketing plan, financial documents, and tax information

[International Mechanical Code 2009](#) - International Code Council 2010-06-01

Ensure your future interactions with the International Mechanical Code (IMC) will be safe, efficient, and code-compliant by using with the most comprehensive guide to the code available! The 2009 INTERNATIONAL MECHANICAL CODE COMMENTARY first presents readers with the full text of the code. Designed to address the design and installation of

mechanical systems through established regulations and requirements, the code contains provisions for ventilation, exhaust systems, duct systems, hydronic heating, and more. Following each section of code, the book offers clear, detailed notes and explanations that expand on the regulations, discussing their implications and methods of application. Potential consequences that may arise if the code is not followed properly are also covered. The end result is an invaluable reference guide and learning tool for anyone aiming to gain a deeper understanding of the 2009 IMC. Check out our app, DEWALT Mobile Pro(tm). This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit dewalt.com/mobilepro.

Digital Electronics with VHDL (Quartus II Version) - William Kleitz 2013-10-03
For Digital Electronics courses requiring a comprehensive

approach to Digital concepts with an emphasis on PLD programming and the integration of the latest Quartus II software. This text presents a step-by-step, practical approach to an enhanced and easy understanding of digital circuitry fundamentals with coverage of CPLD's, VHDL and Altera's Quartus II software. Coverage begins with the basic logic gates used to perform arithmetic operations, and proceeds up through sequential logic and memory circuits used to interface to modern PCs. The author combines extensive teaching experience with practical examples in order to bring entry level students up to speed in this emerging field.

Decolonizing Methodologies

- Linda Tuhiwai Smith

2016-03-15

'A landmark in the process of decolonizing imperial Western knowledge.' Walter D. Mignolo, Duke University
To the colonized, the term 'research' is conflated with European colonialism; the ways in which academic research has been

implicated in the throes of imperialism remains a painful memory. This essential volume explores intersections of imperialism and research - specifically, the ways in which imperialism is embedded in disciplines of knowledge and tradition as 'regimes of truth.' Concepts such as 'discovery' and 'claiming' are discussed and an argument presented that the decolonization of research methods will help to reclaim control over indigenous ways of knowing and being. Now in its eagerly awaited second edition, this bestselling book has been substantially revised, with new case-studies and examples and important additions on new indigenous literature, the role of research

in indigenous struggles for social justice, which brings this essential volume urgently up-to-date.

Reliable Computer Systems - Daniel Siewiorek 2014-06-28

Enhance your hardware/software reliability
Enhancement of system reliability has been a major concern of computer users and designers ; and this major revision of the 1982 classic meets users' continuing need for practical information on this pressing topic. Included are case studies of reliable systems from manufacturers such as Tandem, Stratus, IBM, and Digital, as well as coverage of special systems such as the Galileo Orbiter fault protection system and AT&T telephone switching processors.