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Painting Islam as the New Enemy - Abdulhay Y. Zalloum
2003

The founding fathers vision of democracy was transformed into a one dollar, one vote democracy. Wall Street and corporations own all the money and thus all the votes. A clash of civilizations is promoted as a scapegoat for capitalisms systemic failure

Sensors and Microsystems - Piero Malcovati 2010-03-14
Sensors and Microsystems contains a selection of papers presented at the 14th Italian conference on sensors and microsystems. It provides a unique perspective on the research and development of sensors, microsystems and related technologies in Italy. The scientific values of the papers also offers an invaluable source to analysts intending to survey the Italian situation about sensors and microsystems. In an interdisciplinary approach many aspects of the disciplines are covered, ranging from materials science, chemistry, applied physics, electronic engineering and biotechnologies. Further details of the conference and its full program at the

website [http://www.microelectronicsevents.com/AISEM System and Measurements](http://www.microelectronicsevents.com/AISEM_System_and_Measurements) - Yong Sang 2020-01-20

This book provides the basic concepts and fundamental principles of dynamic systems including experimental methods, calibration, signal conditioning, data acquisition and processing as well as the results presentation. How to select suitable sensors to measure is also introduced. It is an essential reference to students, lecturers, professionals and any interested lay readers in measurement technology.

VIRTUAL INSTRUMENTATION USING LABVIEW - JOVITHA JEROME
2010-03-29

This book provides a practical and accessible understanding of the fundamental principles of virtual instrumentation. It explains how to acquire, analyze and present data using LabVIEW (Laboratory Virtual Instrument Engineering Workbench) as the application development environment. The book introduces the students to the graphical system design model and its different phases of functionality such as design,

prototyping and deployment. It explains the basic concepts of graphical programming and highlights the features and techniques used in LabVIEW to create Virtual Instruments (VIs). Using the technique of modular programming, the book teaches how to make a VI as a subVI. Arrays, clusters, structures and strings in LabVIEW are covered in detail. The book also includes coverage of emerging graphical system design technologies for real-world applications. In addition, extensive discussions on data acquisition, image acquisition, motion control and LabVIEW tools are presented. This book is designed for undergraduate and postgraduate students of instrumentation and control engineering, electronics and instrumentation engineering, electrical and electronics engineering, electronics and communication engineering, and computer science and engineering. It will be also useful to engineering students of other disciplines where courses in virtual instrumentation are offered. Key Features : Builds the concept of virtual instrumentation by using clear-cut programming elements. Includes a summary that outlines important learning points and skills taught in the chapter. Offers a number of solved problems to help students gain hands-on experience of problem solving. Provides several chapter-end questions and problems to assist students in reinforcing their knowledge.

Atom Chips - Jakob Reichel 2011-08-24

This stimulating discussion of a rapidly developing field is divided into two parts. The first features tutorials in textbook style providing self-contained introductions to the various areas relevant to atom chip research. Part II contains research reviews that provide an integrated account of the current state in an active area of research where atom chips are employed, and

explore possible routes of future progress. Depending on the subject, the length of the review and the relative weight of the 'review' and 'outlook' parts vary, since the authors include their own personal view and style in their accounts.

Human Aspects of IT for the Aged Population. Healthy and Active Aging - Qin Gao 2020-07-10

This three volume set of LNCS 12207, 12208 and 12209 constitutes the refereed proceedings of the 6th International Conference on Human Aspects of IT for the Aged Population, ITAP 2020, held as part of the 22nd International Conference, HCI International 2020, which took place in Copenhagen, Denmark, in July 2020. The conference was held virtually due to the COVID-19 pandemic. The total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions. ITAP 2020 includes a total of 104 regular papers which are organized in topical sections named: Involving Older Adults in HCI Methodology , User Experience and Aging, Aging and Mobile and Wearable Devices, Health and Rehabilitation Technologies, Well-being, Persuasion, Health Education and Cognitive Support, Aging in Place, Cultural and Entertainment Experiences for Older Adults, Aging and Social Media, Technology Acceptance and Societal Impact.

La Recherche - 1999

Data Acquisition and Signal Processing for Smart Sensors - Nikolay V. Kirianaki 2002-04-29

From simple thermistors to intelligent silicon microdevices with powerful capabilities to communicate information across networks, sensors play an important role in such diverse fields as biomedical and chemical

engineering to wireless communications. Introducing a new dependent count method for frequency signal processing, this book presents a practical approach to the design of signal processing sensors. Modern advanced microsensors technologies require new and equally advanced methods of frequency signal processing in order to function at increasingly high speeds. The authors provide a comprehensive overview of data acquisition and signal processing methods for the new generation of smart and quasi-smart sensors. The practical approach of the text includes coverage of the design of signal processing methods for digital, frequency, period, duty-cycle and time interval sensors. * Contains numerous practical examples illustrating the design of unique signal processing sensors and transducers * Details traditional, novel, and state of the art methods for frequency signal processing * Coverage of the physical characteristics of smart sensors, development methods and applications potential * Outlines the concept, principles and nature of the method of dependent count (MDC) ; a unique method for frequency signal processing, developed by the authors This text is a leading edge resource for measurement engineers, researchers and developers working in microsensors, MEMS and microsystems, as well as advanced undergraduates and graduates in electrical and mechanical engineering. The Object-Oriented Thought Process - Matt Weisfeld
2008-08-25

The Object-Oriented Thought Process Third Edition Matt Weisfeld An introduction to object-oriented concepts for developers looking to master modern application practices. Object-oriented programming (OOP) is the foundation of modern programming languages, including C++, Java, C#, and Visual Basic .NET. By designing with

objects rather than treating the code and data as separate entities, OOP allows objects to fully utilize other objects' services as well as inherit their functionality. OOP promotes code portability and reuse, but requires a shift in thinking to be fully understood. Before jumping into the world of object-oriented programming languages, you must first master The Object-Oriented Thought Process. Written by a developer for developers who want to make the leap to object-oriented technologies as well as managers who simply want to understand what they are managing, The Object-Oriented Thought Process provides a solution-oriented approach to object-oriented programming. Readers will learn to understand object-oriented design with inheritance or composition, object aggregation and association, and the difference between interfaces and implementations. Readers will also become more efficient and better thinkers in terms of object-oriented development. This revised edition focuses on interoperability across various technologies, primarily using XML as the communication mechanism. A more detailed focus is placed on how business objects operate over networks, including client/server architectures and web services. "Programmers who aim to create high quality software—as all programmers should—must learn the varied subtleties of the familiar yet not so familiar beasts called objects and classes. Doing so entails careful study of books such as Matt Weisfeld's The Object-Oriented Thought Process." —Bill McCarty, author of Java Distributed Objects, and Object-Oriented Design in Java Matt Weisfeld is an associate professor in business and technology at Cuyahoga Community College in Cleveland, Ohio. He has more than 20 years of experience as a professional software developer, project manager, and

corporate trainer using C++, Smalltalk, .NET, and Java. He holds a BS in systems analysis, an MS in computer science, and an MBA in project management. Weisfeld has published many articles in major computer trade magazines and professional journals.

C: A Reference Manual - Harbison 2007-09

For C Programming Courses Found In Departments Of Computer Science, Engineering, Cis, Mis, It, Business And Continuing Education. This Authoritative Reference Manual Provides A Complete Description Of The C Language, The Run-Time Libraries, And A Style Of C Programming That Emphasizes Correctness, Portability, And Maintainability. The Authors Describe The C Language More Clearly And In More Detail Than In Any Other Book.

Research & Development - 1993

LabVIEW Graphical Programming - Gary Johnson 2006-07-17

LabVIEW is an award-winning programming language that allows engineers to create "virtual" instruments on their desktop. This new edition details the powerful features of LabVIEW 8.0. Written in a highly accessible and readable style, LabVIEW Graphical Programming illustrates basic LabVIEW programming techniques, building up to advanced programming concepts. New to this edition is study material for the CLAD and CLD exams.

The British National Bibliography - Arthur James Wells 2002

Digital Signal Processing Laboratory, Second Edition - B. Preetham Kumar 2016-04-19

Considering the rapid evolution of digital signal processing (DSP), those studying this field require an easily understandable text that complements practical

software and hardware applications with sufficient coverage of theory. Designed to keep pace with advancements in the field and elucidate lab work, Digital Signal Processing Laboratory, Second Edition was developed using material and student input from courses taught by the author. Contains a new section on digital filter structure Honed over the past several years, the information presented here reflects the experience and insight the author gained on how to convey the subject of DSP to senior undergraduate and graduate students coming from varied subject backgrounds. Using feedback from those students and faculty involved in these courses, this book integrates simultaneous training in both theory and practical software/hardware aspects of DSP. The practical component of the DSP course curriculum has proven to greatly enhance understanding of the basic theory and principles. To this end, chapters in the text contain sections on:
Theory—Explaining the underlying mathematics and principles
Problem solving—Offering an ample amount of workable problems for the reader
Computer laboratory—Featuring programming examples and exercises in MATLAB® and Simulink®
Hardware laboratory—Containing exercises that employ test and measurement equipment, as well as the Texas Instruments TMS320C6711DSP Starter Kit
The text covers the progression of the Discrete and Fast Fourier transforms (DFT and FFT). It also addresses Linear Time-Invariant (LTI) discrete-time signals and systems, as well as the mathematical tools used to describe them. The author includes appendices that give detailed descriptions of hardware along with instructions on how to use the equipment featured in the book.

Heat Transfer Virtual Lab for Students and Engineers -

Ella Fridman 2014-09-15

Laboratory experiments are a vital part of engineering education, which historically were considered impractical for distance learning. This book presents a guide for the practical employment of a heat transfer virtual lab for students and engineers. Inside, the authors have detailed this virtual lab which is designed and can implement a real-time, robust, and scalable software system that provides easy access to lab equipment anytime and anywhere over the Internet. They introduce and explain LabVIEW in easy-to-understand language. LabVIEW is a proprietary software tool by National Instruments, and can be used to develop fairly complex instrumentation systems (measurement and control). Fridman and Mahajan combined Internet capabilities with traditional laboratory exercises to create an efficient environment to carry out interactive, on line lab experiments. Thus, the virtual lab can be used from a remote location as a part of a distance learning strategy. With this book, you'll be capable of executing VIs (Virtual Instruments) specifically developed for the experiment in question, providing you with great ability to control the remote instrument and to receive and present the desired experimental data.

C by Example - Greg M. Perry 2000

A tutorial for beginning programmers demonstrates the programming language's fundamental concepts in a series of short easy-to-understand exercises accompanied by real-world examples.

Advanced Topics in LabWindows/CVI - Shahid F. Khalid 2001-11-01

Take virtual instrumentation to the next level with high-level programming. High-level programming with LabWindows/CVI Live data display via Internet or

intranet sources Programmatic creation and control of GUIs Data acquisition and VXI device communication Graph control, table control, function panels, instrument drivers, and Open GL Unleash the true power of LabWindows/CVI when you employ the rich features of this programming environment. In this follow-up to his LabWindows CVI Programming for Beginners, Shahid F. Khalid presents the sophisticated techniques that allow experienced users to make the most of this virtual instrumentation powerhouse. The flexibility of LabWindows/CVI software means that you can build virtual instrumentation using Microsoft Visual Basic and Visual C++ as well as ANSI C. Advanced Topics in LabWindows/CVI focuses on the use of C in an open software architecture. It is a project-oriented guide that will teach you to build applications using the more complex features of this programming environment. Applications include: Live data acquisition via Internet or intranet sources using Data Socket technology GUI controls created and manipulated in real time Advanced features of graph and table controls 3-D data plotting with Open GL Communications with VXI devices using VISA Creating and using function panels and instrument drivers The material is organized to present information with maximum clarity, keeping the reader in mind. For convenience, each chapter concludes with an explanation of the purpose and prototype of the library functions under discussion. Advanced Topics in LabWindows/CVI will give students and working professionals the tools to build and automate sophisticated virtual instrumentation for a world of applications.

Internet Applications in LabVIEW - Jeffrey Travis 2000
Open Road's Best of Belize is packed with useful suggestions for maximizing a short-term visit to Belize.

Go eco-touring in the interior Maya Mountains and Mountain Pine Ridge, explore the wilds in the Crooked Tree sanctuary, navigate the ruins at Altun Ha and Xunantunich, take an excursion to Tikal across the border, or relax along the beautiful beaches and resorts of the Placencia Peninsula. This updated second edition also has great hotel and restaurant recommendations at all price levels, featuring a Spanish-English glossary of phrases and words that will help travelers get around the country with ease.

EDN - 1998

Advances in Aerospace Guidance, Navigation and Control - Florian Holzapfel 2011-03-15

Over the last few decades, both the aeronautics and space disciplines have greatly influenced advances in controls, sensors, data fusion and navigation. Many of those achievements that made the word "aerospace" synonymous with "high-tech" were enabled by innovations in guidance, navigation and control. Europe has seen a strong trans-national consolidation process in aerospace over the last few decades. Most of the visible products, like commercial aircraft, fighters, helicopters, satellites, launchers or missiles, are not made by a single country – they are the fruits of cooperation. No European country by itself hosts a specialized guidance, navigation and controls community large enough to cover the whole spectrum of disciplines. However, on a European scale, mutual exchange of ideas, concepts and solutions is enriching for all. The 1st CEAS Specialist Conference on Guidance, Navigation and Control is an attempt to bring this community together. This book is a selection of papers presented at the conference. All submitted papers have gone through a formal review

process in compliance with good journal practices. The best papers have been recommended by the reviewers to be published in this book.

A Software Engineering Approach to LabVIEW - Jon Conway 2003

Create more robust, more flexible LabVIEW applications-- through software design principles! Writing LabVIEW software to perform a complex task is never easy-- especially when those last-minute feature requests cause a complexity explosion in your system, forcing you to rework much of your code! Jon Conway and Steve Watts offer a better solution: LCOD-LabVIEW Component Oriented Design--which, for the first time, applies the theories and principles of software design to LabVIEW programming. The material is presented in a lighthearted, engaging manner that makes learning enjoyable, even if you're not a computer scientist. LCOD software engineering techniques make your software more robust and better able to handle complexity--by making it simpler! Even large, industrial-grade applications become manageable. Design to embrace flexibility first, making changes and bug fixes much less painful Pragmatic discussion of the authors' tried and tested techniques, written by--and for--working programmers Covers design principles; LCOD overview, implementation, and complementary techniques; engineering essentials; style issues; and more Complete with practical advice on requirements gathering, prototyping, user interface design, and rich with examples Work through an example LCOD project (all code included on companion Web site) to tie the lessons together This book is intended for test engineers, system integrators, electronics engineers, software engineers, and other intermediate to advanced LabVIEW programmers. None of the methods

discussed are complex, so users can benefit as soon as they are proficient with the syntax of LabVIEW. Go to the companion Web site located at <http://author.phptr.com/watts/> for full source code and book updates.

LabVIEW for Everyone - Jeffrey Travis 2007

For beginning and intermediate LabVIEW programmers, this introductory guide assumes no prior knowledge of LabVIEW. There are in-depth examples in every chapter, and all the answers and source code is provided on the accompanying CD-ROM.

Time-correlated single photon counting - Desmond O'Connor 2012-12-02

Time-correlated Single Photon Counting has been written in the hope that by relating the authors' experiences with a variety of different single photon counting systems, they may provide a useful service to users and potential users of this formidably sensitive technique. Of all the techniques available to obtain information on the rates of depopulation of excited electronic singlet states of molecular species, monitoring of fluorescence provides, in principle, the simplest and most direct measure of concentration. This volume comprises eight chapters, with the first focusing on the time dependence and applications of fluorescence. Succeeding chapters go on to discuss basic principles of the single photon counting lifetime measurement; light sources; photomultipliers; electronics; data analysis; nanosecond time-resolved emission spectroscopy; time dependence of fluorescence anisotropy. This book will be of interest to practitioners in the field of chemistry.

[Applications Interface Programming Using Multiple Languages](#) - Ying Bai 2003

Annotation This book provides a detailed description

about the practical considerations in multiple languages programming as well as the interfaces among different languages in the Window environment. Authentic examples and detailed explanations are combined together in this book to provide the readers a clear picture as how to handle the multiple languages programming in Windows.

Advanced Research on Computer Education, Simulation and Modeling - Sally Lin 2011-06-06

This two-volume set (CCIS 175 and CCIS 176) constitutes the refereed proceedings of the International Conference on Computer Education, Simulation and Modeling, CSEM 2011, held in Wuhan, China, in June 2011. The 148 revised full papers presented in both volumes were carefully reviewed and selected from a large number of submissions. The papers cover issues such as multimedia and its application, robotization and automation, mechatronics, computer education, modern education research, control systems, data mining, knowledge management, image processing, communication software, database technology, artificial intelligence, computational intelligence, simulation and modeling, agent based simulation, biomedical visualization, device simulation & modeling, object-oriented simulation, Web and security visualization, vision and visualization, coupling dynamic modeling theory, discretization method, and modeling method research.

The LabVIEW Style Book - Peter A. Blume 2007-02-27

This is the eBook version of the print title. The illustrations are in color for this eBook version. Drawing on the experiences of a world-class LabVIEW development organization, The LabVIEW Style Book is the definitive guide to best practices in LabVIEW development. Leading LabVIEW development manager Peter A. Blume presents practical guidelines or "rules" for

optimizing every facet of your applications: ease of use, efficiency, readability, simplicity, performance, maintainability, and robustness. Blume explains each style rule thoroughly, presenting realistic examples and illustrations. He even presents “nonconforming” examples that show what not to do—and why not. While the illustrations in the print book are in black and white, you can download full-color versions from the publisher web site for free.

Arduino-Based Embedded Systems - Rajesh Singh 2017-11-22

Arduino is an open-source electronics platform based on easy-to-use hardware and software while LabVIEW is a graphical programming telling how to connect functions and work with a variety of datatypes when constructing applications. This book will help beginners to get started with Arduino-based embedded systems including essential know-how of the programming and interfacing of the devices. Book includes programming and simulation of Arduino-based projects and interfacing with LabVIEW, based on practical case studies. The book comprises of total twenty five chapters with description, working model of LabVIEW and programming with Arduino IDE.

Data Acquisition Using LabVIEW - Behzad Ehsani

2016-12-14

Transform physical phenomena into computer-acceptable data using a truly object-oriented language About This Book Create your own data acquisition system independently using LabVIEW and build interactive dashboards Collect data using National Instrument's and third-party, open source, affordable hardware Step-by-step real-world examples using various tools that illustrate the fundamentals of data acquisition Who This Book Is For If you are an engineer, scientist, experienced hobbyist, or student, you will highly

benefit from the content and examples illustrated in this book. A working knowledge of precision testing, measurement instruments, and electronics, as well as a background in computer fundamentals and programming is expected. What You Will Learn Create a virtual instrument which highlights common functionality of LabVIEW Get familiarized with common buses such as Serial, GPIB, and SCPI commands Staircase signal acquisition using NI-DAQmx Discover how to measure light intensity and distance Master LabVIEW debugging techniques Build a data acquisition application complete with an installer and required drivers Utilize open source microcontroller Arduino and a 32-bit Arduino compatible Uno32 using LabVIEW programming environment In Detail NI LabVIEW's intuitive graphical interface eliminates the steep learning curve associated with text-based languages such as C or C++. LabVIEW is a proven and powerful integrated development environment to interact with measurement and control hardware, analyze data, publish results, and distribute systems. This hands-on tutorial guide helps you harness the power of LabVIEW for data acquisition. This book begins with a quick introduction to LabVIEW, running through the fundamentals of communication and data collection. Then get to grips with the auto-code generation feature of LabVIEW using its GUI interface. You will learn how to use NI-DAQmax Data acquisition VIs, showing how LabVIEW can be used to appropriate a true physical phenomenon (such as temperature, light, and so on) and convert it to an appropriate data type that can be manipulated and analyzed with a computer. You will also learn how to create Distribution Kit for LabVIEW, acquainting yourself with various debugging techniques offered by LabVIEW to help you in situations where bugs are not

letting you run your programs as intended. By the end of the book, you will have a clear idea how to build your own data acquisition system independently and much more. Style and approach A hands-on practical guide that starts by laying down the software and hardware foundations necessary for subsequent data acquisition-intensive chapters. The book is packed full of specific examples with software screenshots and schematic diagrams to guide you through the creation of each virtual instrument.

NASA Tech Briefs - 2000

Smart Sensor Systems - Gerard Meijer 2014-04-02

With contributions from an internationally-renowned group of experts, this book uses a multidisciplinary approach to review recent developments in the field of smart sensor systems, covering important system and design aspects. It examines topics over the whole range of sensor technology from the theory and constraints of basic elements, physics and electronics, up to the level of application-oriented issues. Developed as a complementary volume to 'Smart Sensor Systems' (Wiley 2008), which introduces the basics of smart sensor systems, this volume focuses on emerging sensing technologies and applications, including: State-of-the-art techniques for designing smart sensors and smart sensor systems, including measurement techniques at system level, such as dynamic error correction, calibration, self-calibration and trimming. Circuit design for sensor systems, such as the design of precision instrumentation amplifiers. Impedance sensors, and the associated measurement techniques and electronics, that measure electrical characteristics to derive physical and biomedical parameters, such as blood

viscosity or growth of micro-organisms. Complete sensor systems-on-a-chip, such as CMOS optical imagers and microarrays for DNA detection, and the associated circuit and micro-fabrication techniques. Vibratory gyroscopes and the associated electronics, employing mechanical and electrical signal amplification to enable low-power angular-rate sensing. Implantable smart sensors for neural interfacing in biomedical applications. Smart combinations of energy harvesters and energy-storage devices for autonomous wireless sensors. Smart Sensor Systems: Emerging Technologies and Applications will greatly benefit final-year undergraduate and postgraduate students in the areas of electrical, mechanical and chemical engineering, and physics. Professional engineers and researchers in the microelectronics industry, including microsystem developers, will also find this a thorough and useful volume.

LabVIEW based Advanced Instrumentation Systems - S. Sumathi 2007-03-16

This book provides a solid understanding of virtual instrumentation concepts, its purpose, its nature, and the applications developed using the National Instrument's LabVIEW software. Coverage includes many worked-out examples and discusses new technologies and challenges of virtual instrumentation systems in applications in such areas as control systems, power systems, networking, robotics, communication, and artificial intelligence.

Data Acquisition: 7 Steps to Success -

Properties and Novel Applications of Recycled Aggregates - Fernando Lopez Gayarre 2020-09-16

The aggregates used in construction are the natural

resource consumed the most in the world after air and water. Due to overexploitation, all environmental laws reward the use of recycled materials to guarantee the reduction of consumption of natural aggregates. The use of reclaimed aggregates, reused aggregates, and recycled aggregates increases sustainability in construction activities. Today, they are strategic materials in the manufacturing of green concrete and mortars and as road construction eco-efficient materials. In addition, the use of recycled aggregates from industrial or mining byproducts presents great potential in construction activities as recycled aggregates and/or supplementary cementitious materials. This Special Issue is open to new experiences in construction materials and/or works made with recycled aggregates.

Excel VBA Programming For Dummies - Michael Alexander 2018-11-06

Take your Excel programming skills to the next level To take Excel to the next level, you need to understand and implement the power of Visual Basic for Applications (VBA). *Excel VBA Programming For Dummies* introduces you to a wide array of new Excel options, beginning with the most important tools and operations for the Visual Basic Editor. Inside, you'll find an overview of the essential elements and concepts for programming with Excel. In no time, you'll discover techniques for handling errors and exterminating bugs, working with range objects and controlling program flow, and much more. With friendly advice on the easiest ways to develop custom dialog boxes, toolbars, and menus, readers will be creating Excel applications custom fit to their unique needs! Fully updated for the new Excel 2019 Step-by-step instructions for creating VBA macros to maximize productivity Guidance on customizing your applications

so they work the way you want All sample programs, VBA code, and worksheets are available at dummies.com Beginning VBA programmers rejoice! This easy-to-follow book makes it easier than ever to excel at Excel VBA!

LabView - Rick Bitter 2017-12-19

Whether seeking deeper knowledge of LabVIEW®'s capabilities or striving to build enhanced VIs, professionals know they will find everything they need in *LabVIEW: Advanced Programming Techniques*. Now accompanied by *LabVIEW 2011*, this classic second edition, focusing on LabVIEW 8.0, delves deeply into the classic features that continue to make LabVIEW one of the most popular and widely used graphical programming environments across the engineering community. The authors review the front panel controls, the Standard State Machine template, drivers, the instrument I/O assistant, error handling functions, hyperthreading, and Express VIs. It covers the introduction of the Shared Variables function in LabVIEW 8.0 and explores the LabVIEW project view. The chapter on ActiveX includes discussion of the Microsoft™ .NET® framework and new examples of programming in LabVIEW using .NET. Numerous illustrations and step-by-step explanations provide hands-on guidance. Reviewing *LabVIEW 8.0* and accompanied by the latest software, *LabVIEW: Advanced Programming Techniques, Second Edition* remains an indispensable resource to help programmers take their LabVIEW knowledge to the next level. Visit the CRC website to download accompanying software.

Visual Basic and Visual Basic .NET for Scientists and Engineers - Christopher Frenz 2002-02-10

Here is a concise and practical guide to help researchers and engineers who are new to Visual Basic gain a firm grasp of the topics that are most relevant

to their programming needs.

LabVIEW for Data Acquisition - Bruce Mihura 2001-06-26

The practical, succinct LabVIEW data acquisition tutorial for every professional. No matter how much LabVIEW experience you have, this compact tutorial gives you core skills for producing virtually any data acquisition (DAQ) application-input and output. Designed for every engineer and scientist, LabVIEW for Data Acquisition begins with quick-start primers on both LabVIEW and DAQ, and builds your skills with extensive code examples and visual explanations drawn from Bruce Mihura's extensive experience teaching LabVIEW to professionals. Includes extensive coverage of DAQ-specific programming techniques Real-world techniques for maximizing accuracy and efficiency The 10 most common LabVIEW DAQ development problems-with specific solutions Addresses simulation, debugging, real-time issues, and network/distributed systems Preventing unauthorized changes to your LabVIEW code An overview of transducers for a wide variety of signals Non-NI alternatives for hardware and software LabVIEW for Data Acquisition includes an extensive collection of real-world LabVIEW applications, lists of LabVIEW tips and tricks, coverage of non-NI software and hardware alternatives, and much more. Whatever data acquisition application you need to create, this is the book to start and finish with. RELATED WEBSITE The accompanying website includes an evaluation version of LabVIEW and key LabVIEW code covered in the book.

Object-Oriented Application Frameworks - T. G. Lewis 1995

A comprehensive guide to the state-of-the-art and current research in object-oriented frameworks, this

book covers the fundamentals and evolution of OOP, the commercial and public-domain frameworks now available, and examples of framework technology. It also includes coverage of Microsoft's MFC and the visual, object-oriented language Prograph.

A Software-Defined GPS and Galileo Receiver - Kai Borre 2007-08-03

This book explore the use of new technologies in the area of satellite navigation receivers. In order to construct a reconfigurable receiver with a wide range of applications, the authors discuss receiver architecture based on software-defined radio techniques. The presentation unfolds in a user-friendly style and goes from the basics to cutting-edge research. The book is aimed at applied mathematicians, electrical engineers, geodesists, and graduate students. It may be used as a textbook in various GPS technology and signal processing courses, or as a self-study reference for anyone working with satellite navigation receivers.

Advances on remote laboratories and e-learning experiences - Luís Gomes 2008

This book provides a comprehensive overview on several aspects of remote laboratories development and usage, and their potential impact in the teaching and learning processes using selected e-learning experiences. The book is based on the presentations and discussions carried out at «International Meeting on Professional Remote Laboratories», which took place in University of Deusto, Bilbao, in the period of November 16-17, 2006. Apart from chapters based on the presentations, some others have also been included in this book. In this way, we hope to give a broad, well balanced and up-to-date picture of the current status of remote labs and their role within the e-learning paradigm.