Resort Design Guidelines

Framework Design Guidelines Seismic Design Guidelines for Port Structures Design Guidelines in American Cities Human-computer Interface Design Guidelines Urban Bikeway Design Guide, Second Edition Guidelines for Laboratory Design Inclusive Design Guidelines for HCI Landscape Architecture Documentation Standards Design Guidelines and Functional Specifications for Simulation of the Battlefield Management System's (BMS) User Interface Integrated Circuit, Hybrid, and Multichip Module Package Design Guidelines Design Guidelines for Surface Mount Technology Design Guidelines for Setup Procedures of Mobile Terminals and e-Services Design Guidelines for Increasing the Lateral Resistance of Highway-Bridge Pile Foundations by Improving Weak Soils Design Guidelines for Prevention and Control of Avionic Corrosion Operational Design Guidelines for HOV Lanes on Arterial Roadways Including Planning Strategies and Supporting Measures Environmental Design Guidelines for Low Crested Coastal Structures Research-based Web Design & Usability Guidelines Urban Street Design Guide Laboratory Design Guide Design Guidelines for Good Hearing Conditions and Effective Noise Control in School Classrooms The Algorithm Design Manual Java Look and Feel Design Guidelines Smart Service Management Current Planning Guidelines and Design Standards Being Used by State and Local Agencies for Bicycle and Pedestrian Facilities Guidelines for Design of Low-Rise Buildings Subjected to Lateral Forces Design for Profitability Aesthetic Design Guidelines Designing with the Mind in Mind Designing with the Mind in Mind Global Street Design Guide Framework Design Guidelines Housing As If People Mattered Guidelines for Seismic Design and Construction of Single-story Masonry Dwellings in Seismic Zone 2 Inclusive Design Guidelines for HCI Forest Landscape Design Sound & Vibration 2.0 Distributed Control Applications Rural by Design The ITSM Process Design Guide Guidelines for Engineering Design for Process Safety

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Inclusive Design Guidelines for HCI Apr 28 2022 The elderly population is growing and disabilities tend to increase with age. Professionals in the fields of human-computer interaction (HCI) are becoming increasingly aware of the needs of the elderly and people with disabilities. They also need to ensure that systems are designed for all, with specific consideration of these groups, not only computing systems but also other assistive and adaptive technologies such as information services and the use of smart cards, assistive robotics, systems for travellers, and home and environmental control systems. This book will help designers world-wide find relevant guidelines for the design of human-computer interaction and ensure that systems are designed for all, with specific consideration of people who are elderly and people with disabilities. Including reports from the International Federation of Information Processing's Working Group on Human-Computer Interaction (HCI) and Disability. The book will be the first compendium of guidelines.

Seismic Design Guidelines for Port Structures Oct 03 2022 For the first time, international guidelines for seismic design of port structures have been compiled in this comprehensive book. These guidelines address the limitations inherent in conventional design, and establish the framework for an evolutionary design strategy based on seismic response and performance requirements. The provisions reflect the diverse nature of port facilities throughout the world, where the required functions of port structures, economic and social environment, and seismic activities may differ from region to region. This book comprises a main text and eight technical commentaries. The main text introduces the reader to basic earthquake engineering concepts and a strategy for performance-based design, while the technical commentaries illustrate specific aspects of seismic analysis and design, and provide examples of various applications of the guidelines. Proven simplified methods and state-of-the-art analysis procedures have been carefully selected and integrated in the guidelines in order to provide a flexible and consistent methodology for the seismic design of port facilities.

Urban Street Design Guide May 18 2021 The NACTO Urban Street Design Guide shows how streets of every size can be reimagined and reoriented to prioritize safe driving and transit, biking, walking, and public activity. Unlike older, more conservative engineering manuals, this design guide emphasizes the core principle that urban streets are public places and have a larger role to play in communities than solely being conduits for traffic. The well-illustrated guide offers blueprints of street design from multiple perspectives, from the bird's eye view to granular details. Case studies from around the country clearly show how to implement best practices, as well as provide guidance for customizing design applications to a city's unique needs. Urban Street Design Guide outlines five goals and tenets of world-class street design: • Streets are public spaces. Streets play a much larger role in the public life of cities and communities than just thoroughfares for traffic. • Great streets are great for business. Well-designed streets generate higher revenues for businesses and higher values for homeowners. • Design for safety. Traffic engineers can and should design streets where people walking, parking, shopping, bicycling, working, and driving can cross paths safely. • Streets can be changed. Transportation engineers can work flexibly within the building envelope of a street. Many city streets were created in a different era and need to be reconfigured to meet new needs. • Act now! Implement projects quickly using temporary materials to help inform public decision making. Elaborating on these fundamental principles, the guide offers substantive direction for cities seeking to improve street design to create more inclusive, multi-modal urban environments. It is an exceptional resource for redesigning streets to serve the needs of 21st century cities, whose residents and visitors demand a variety of transportation options, safer streets, and vibrant community life.

Research-based Web Design & Usability Guidelines Jun 18 2021 Although recent findings show the public increasingly interacting with government Web sites, a common problem is that people can't find what they're looking for. In other words, the sites lack usability. The Research-Based Web Design and Usability Guidelines aid in correcting this problem by providing the latest Web design guidance from the research and other forms of evidence. This unique publication has been updated from its earlier version to include over 40 new or updated research guidelines, bringing the total to 209. Primary audiences for the book are: Web managers, designers, and all staff involved in the creation of Web sites. Topics in the book include: home page design, page and site navigation, graphics and images, effective Web content writing, and search. A new section on usability testing guidance has been added. Experts from across government, industry, and academia have reviewed and contributed to the development of the Guidelines. And, since their introduction in 2003, the Guidelines have been widely used by government, private, and academic institutions to improve Web design.

The Algorithm Design Manual Feb 12 2021 This newly expanded and updated second edition of the best-selling classic continues to take the "mystery" out of designing algorithms, and analyzing their efficacy and efficiency. Expanding on the first edition, the book now serves as the primary textbook of choice for algorithm design courses while maintaining its status as the premier practical reference guide to algorithms for programmers, researchers, and students. The reader-friendly Algorithm Design Manual provides straightforward access to combinatorial algorithms technology, stressing design over analysis. The first part, Techniques, provides accessible instruction on methods for designing and analyzing computer algorithms. The second part, Resources, is intended for browsing and reference, and comprises the catalog of algorithmic resources, implementations and an extensive bibliography. NEW to the second edition: • Doubles the tutorial material and exercises over the first edition • Provides full online support for lecturers, and a completely updated and improved website component with lecture slides, audio and video • Contains a unique catalog identifying the 75 algorithmic problems that arise most often in practice, leading the reader down the right path to solve them • Includes several NEW "war stories" relating experiences from real-world applications • Provides up-to-date links leading to the very best algorithm implementations available in C, C++, and Java

Current Planning Guidelines and Design Standards Being Used by State and Local Agencies for Bicycle and Pedestrian Facilities Nov 11 2020

Design Guidelines and Functional Specifications for Simulation of the Battlefield Management System's (BMS) User Interface Feb 24 2022

Guidelines for Seismic Design and Construction of Single-story Masonry Dwellings in Seismic Zone 2 Feb 01 2020

*Integrated Circuit, Hybrid, and Multichip Module Package Design Guidelines Jan 26 2022 Circuit designers, packaging engineers, printed board fabricators, and procurement personnel will find this book's microelectronic package design-for-reliability guidelines and approaches essential for achieving their life-cycle, cost-effectiveness, and on-time delivery goals. Its uniquely organized, time-phased approach to design, development, qualification, manufacture, and in-service management shows you step-by-step how to: * Define realistic system requirements in terms of mission profile, operating life, performance expectations, size, weight, and cost * Define the system usage environment so that all operating, shipping, and storage conditions, including electrical, thermal, radiation, and mechanical loads, are assessed using realistic data * Identify potential failure modes, sites, mechanisms, and architecture-stress interactions--PLUS appropriate measures you can take to reduce, eliminate, or accommodate expected failures * Characterize materials and processes by the key controllable factors, such as types and levels of defects, variations in material properties and dimensions, and the manufacturing and assembly processes involved * Use experiment, step-stress, and accelerated methods to ensure optimum design before production begins Detailed design guidelines for substrate...wire and wire, tape automated, and flip-chip bonding...element attachment and case, lead, lead and lid seals--incorporating dimensional and geometric configurations of package elements, manufacturing and assembly conditions, materials selection, and loading conditions--round out this guide's comprehensive coverage. Detailed guidelines for substrate...wire and wire, tape automated, and flip-chip bonding...element attachment and case, lead, lead and lid seals--incorporating dimensional and geometric configurations of package elements, manufacturing and assembly conditions, materials selection, and loading conditions--round out this guide's comprehensive coverage. of related interest... PHYSICAL ARCHITECTURE OF VLSI SYSTEMS --Allan D. Kraus, Robert Hannemann and Michael Pecht For the professional engineer involved in the design and manufacture of products containing electronic components, here is a comprehensive handbook to the theory and methods surrounding the assembly of microelectronic and electronic components. The book focuses on computers and consumer electronic products with internal subsystems that reflect mechanical design constraints, cost limitations, and aesthetic and ergonomic concerns. Taking a total system approach to packaging, the book systematically examines: basic chip and computer architecture; design and layout; interassembly and interconnections; cooling scheme; materials selection, including ceramics, glasses, and metals; stress, vibration, and acoustics; and manufacturing and assembly technology. 1994 (0-471-53299-1) pp. SOLDERING PROCESSES AND EQUIPMENT --Michael G. Pecht This comprehensive, fundamentals first handbook outlines the soldering methods and techniques used in the manufacture of microelectronic chips and electronic circuit boards. In a clear, easy-to-access format, the book discusses: soldering processes and classification; the material dynamics of heat soldering when assembling differing materials; wave and reflow soldering; controlling contamination during manufacturing cleanings; techniques for assuring reliability and quality control during manufacturing; rework, repair, and manual assembly; the modern assembly / repair station; and more. The book also provides clear guidelines on assembly techniques as well as an appendix of various solder equipment manufacturers. 1993 (0-471-59167-X) 312 pp.*

Framework Design Guidelines Apr 04 2020 DVD contains video presentations of topics; sample API specification; other resources.

Guidelines for Laboratory Design May 30 2022 Proven and tested guidelines for designing ideal labs for scientific investigations Now in its Fourth Edition, Guidelines for Laboratory Design continues to enable readers to design labs that make it possible to conduct scientific investigations in a safe and healthy environment. The book brings together all the

professionals who are critical to a successful lab design, discussing the roles of architects, engineers, health and safety professionals, and laboratory researchers. It provides the design team with the information needed to ask the right questions and then determine the best design, while complying with current regulations and best practices. Guidelines for Laboratory Design features concise, straightforward advice organized in an easy-to-use format that facilitates the design of safe, efficient laboratories. Divided into five sections, the book records some of the most important discoveries and achievements in: Part IA, Common Elements of Laboratory Design, sets forth technical specifications that apply to most laboratory buildings and modules Part IB, Common Elements of Renovations, offers general design principles for the renovation and modernization of existing labs Part II, Design Guidelines for a Number of Commonly Used Laboratories, explains specifications, best practices, and guidelines for nineteen types of laboratories, with three new chapters covering nanotechnology, engineering, and autopsy labs Part III, Laboratory Support Services, addresses design issues for imaging facilities, support shops, hazardous waste facilities, and laboratory storerooms Part IV, HVAC Systems, explains how to heat, cool, and ventilate labs with an eye towards energy conservation Part V, Administrative Procedures, deals with bidding procedures, final acceptance inspections, and sustainability The final part of the book features five appendices filled with commonly needed data and reference materials. This Fourth Edition is indispensable for all laboratory design teams, whether constructing a new laboratory or renovating an old facility to meet new objectives.

Design Guidelines for Setup Procedures of Mobile Terminals and e-Services Nov 23 2021

Design Guidelines for Prevention and Control of Avionic Corrosion Sep 21 2021

Guidelines for Engineering Design for Process Safety Jun 26 2019 This updated version of one of the most popular and widely used CCPS books provides plant design engineers, facility operators, and safety professionals with key information on selected topics of interest. The book focuses on process safety issues in the design of chemical, petrochemical, and hydrocarbon processing facilities. It discusses how to select designs that can prevent or mitigate the release of flammable or toxic materials, which could lead to a fire, explosion, or environmental damage. Key areas to be enhanced in the new edition include inherently safer design, specifically concepts for design of inherently safer unit operations and Safety Instrumented Systems and Layer of Protection Analysis. This book also provides an extensive bibliography to related publications and topic-specific information, as well as key information on failure modes and potential design solutions.

Design Guidelines for Increasing the Lateral Resistance of Highway-Bridge Pile Foundations by Improving Weak Soils Oct 23 2021 TRB's National Cooperative Highway Research Program (NCHRP) Report 697: Design Guidelines for Increasing the Lateral Resistance of Highway-Bridge Pile Foundations by Improving Weak Soils examines guidance for strengthening of soils to resist lateral forces on bridge pile foundations.

Design for Profitability Sep 09 2020 Since the success of products significantly depends on the quality of product performance, inadequate management of the product design process can lead to improper performance of products that can result in significant long-term business losses. Design for Profitability: Guidelines to Cost Effectively Manage the Development Process of Complex Products presents a design guideline for complex product design and development that enables you to cost-effectively improve the technical performance of your products and consequently improve your competitiveness in the marketplace as well as improve profitability. The book helps you improve the competitiveness of your organization in the market and eventually improve profitability. It presents a mobile robots design guideline based on an empirical study of the mobile robots design process. This is an unprecedented guideline based on the empirical investigation of the internal aspects of the design process of complex products for cost-effectively enhancing the competitiveness in the market. The book also presents a hybrid lean-agile design paradigm for mobile robots. In addition, it points out key approaches and risks to manage the product development process efficiently. In designing complex products and integrated systems, industrial designers face a dilemma of cost-effectively striking a balance between product development time and product performance attributes. This book shows how and when value is added in product design and development through identifying statistically the most and least correlated design activities and strategies to product performance attributes. Introducing a new paradigm in the field of engineering design, the book gives you key approaches to efficiently manage the product development process.

Rural by Design Aug 28 2019 For America's rural and suburban areas, new challenges demand new solutions. Author Randall Arendt meets them in an entirely new edition of Rural by Design. When this planning classic first appeared 20 years ago, it showed how creative, practical land-use planning can preserve open space and keep community character intact. The second edition shifts the focus toward infilling neighborhoods, strengthening town centers, and moving development closer to schools, shops, and jobs. New chapters cover form-based codes, visioning, sustainability, low-impact development, green infrastructure, and more, while 70 case studies show how these ideas play out in the real world. Readers —rural or not—will find practical advice about planning for the way we live now.

Aesthetic Design Guidelines Aug 09 2020

Laboratory Design Guide Apr 16 2021 Comprehensive and up-to-date, this book guides the reader through the complex stages of laboratory design and construction with practical advice and examples.

Global Street Design Guide May 06 2020 The Global Street Design Guide is a timely resource that sets a global baseline for designing streets and public spaces and redefines the role of streets in a rapidly urbanizing world. The guide will broaden how to measure the success of urban streets to include: access, safety, mobility for all users, environmental quality, economic benefit, public health, and overall quality of life. The first-ever worldwide standards for designing city streets and prioritizing safety, pedestrians, transit, and sustainable mobility are presented in the guide. Participating experts from global cities have helped to develop the principles that organize the guide. The Global Street Design Guide builds off the successful tools and tactics defined in NACTO's Urban Street Design Guide and Urban Bikeway Design Guide while addressing a variety of street typologies and design elements found in various contexts around the world.

Design Guidelines for Good Hearing Conditions and Effective Noise Control in School Classrooms Mar 16 2021

The ITSM Process Design Guide Jul 28 2019 The ITSM Process Design Guide: Developing, Rengineering and Improving IT Service Management closes the knowledge gap by providing detailed guidance on assessing, designing, measuring, and integrating ITSM processes. The advice and techniques in this book apply unilaterally to every IT service provider and ITSM framework, standard, and maturity model.

Java Look and Feel Design Guidelines Jan 14 2021 Brand-new techniques for building more effective Java "TM" user interfaces. -- Reveals the latest user research by Sun Microsystems! -- Goes beyond the basics with menus, windows, wizards, events, alarms, and much more. -- High-quality 4-color interior! This book brings together advanced guidelines and techniques for building exceptionally effective user interfaces with Java technology. Building on the insights presented in Java "TM" Look and Feel Design Guidelines, Second Edition, this book focuses on several key opportunities to enhance Java user interfaces, and draws upon brand-new user analyses by Sun Microsystems' Java "TM" Look and Feel Design Group. The authors begin with in-depth coverage of Java "TM" windows, including techniques for choosing the right window type, designing window elements, setting state, and handling multiple windows. In a detailed chapter on menus, they show how to design menu elements, common, and contextual menus; and assign mnemonics and keyboard shortcuts. The book demonstrates how to control key aspects of application behavior, including addressing modes, filtering, searching, and tool tips. A chapter on idioms shows how to use sets of JFC components to standardize appearance and behavior. Readers will find practical techniques for improving responsiveness and providing more useful operational feedback. For every Java "TM" developer, software engineer, usability specialist, and manager responsible for developing or commissioning Java software.

Distributed Control Applications Sep 29 2019 Distributed Control Applications: Guidelines, Design Patterns, and Application Examples with the IEC 61499 discusses the IEC 61499 reference architecture for distributed and reconfigurable control and its adoption by industry. The book provides design patterns, application guidelines, and rules for designing distributed control applications based on the IEC 61499 reference model. Moreover, examples from various industrial domains and laboratory environments are introduced and explored.

Urban Bikeway Design Guide, Second Edition Jun 30 2022 NACTO's Urban Bikeway Design Guide quickly emerged as the preeminent resource for designing safe, protected bikeways in cities across the United States. It has been completely re-designed with an even more accessible layout. The Guide offers updated graphic profiles for all of its bicycle facilities, a subsection on bicycle boulevard planning and design, and a survey of materials used for green color in bikeways. The Guide continues to build upon the fast-changing state of the practice at the local level. It responds to and accelerates innovative street design and practice around the nation.

Human-computer Interface Design Guidelines Aug 01 2022 Contains guidelines to aid software designers in developing user oriented human-computer interfaces. Presents specific, implementable suggestions drawn from diverse sources and based on human performance research, human factors engineering principles, and experience.

Design Guidelines for Surface Mount Technology Dec 25 2021 Design Guidelines for Surface Mount Technology covers the basics and the mechanics of surface mounted design technology. Surface mount technology (SMT) embodies an automated circuit assembly process, using a generation of electronic components called surface mounted devices (SMDs). Organized into eight chapters, the book discusses the component selection, space planning, materials and processes, and total concept needed to ensure a manufacturable design. The opening chapters of the book examine the significant requirements and variables affecting SMT and SMDs. The book then deals with the substrate materials specifications, including fabrication and material planning, assembly, design rules, layout guidelines, package outlines, and bar code labeling. The next chapters describe the manufacturing and assembly processes in SMDs and process-proven footprint patterns for each of the component types used, as well as guidelines for creating a suitable pattern on future products. Other chapters discuss the component spacing requirements for SMT and the generation of footprint patterns for passive and active components of SMDs. The concluding chapter describes the design criteria for maximizing machine insertion of leaded electronic components into printed circuit boards (PCBs). These criteria aid the PCB designer by detailing the considerations and some of the trade-offs that will provide reliable insertion in a production environment. Supplementary texts on surface mount equipment, supplies, and services are also provided. Design engineers and researchers will find this book invaluable.

Environmental Design Guidelines for Low Crested Coastal Structures Jul 20 2021 The effect of manmade activities is primarily local but can extend far away from the location of intervention. This underlines the importance of establishing coastal zone management plans covering large stretches of coastlines. In recent years, interest in Low Crested Structures (coastal defense structures with a low-crest) has been growing together with awareness of the sensitivity to environmental impacts produced by coastal defenses. The relation between wave climate, beach erosion, beach defence means, habitat changes and beach value, which clearly exists based on EC research results, suggests the necessity of an integrated approach when designing coastal protection schemes. In accordance with this need, the present design guidelines cover structure stability and construction problems, hydro and morphodynamic effects, environmental effects (colonisation of the structure and water quality), societal and economic impacts (recreational benefits, swimming safety, beach quality). Environmental Design Guidelines for Low Crested Coastal Structures is specifically dedicated to Low Crested Structures, and provides methodological tools both for the engineering design of structures and for the prediction of performance and environmental impacts of such structures. A briefing of current best practice for local and national planning authorities, statutory agencies and other stakeholders in the coastal zone is also covered. Presented in a generic way, this book is appropriate throughout the European Union, taking into account current European Commission policy and directives for the promotion of sustainable development and integrated coastal zone management. Fills the gap between engineering and ecology in coastal defense planning Shows the reader how to perform an integrated design of coastal defense schemes Presents latest insights on hydro-morphodynamics induced by structures Provides directly applicable tools for the design of low crested structures Highlights socio-economic perspectives in coastal defense design

Operational Design Guidelines for HOV Lanes on Arterial Roadways Including Planning Strategies and Supporting Measures Aug 21 2021

Designing with the Mind in Mind Jul 08 2020 In this completely updated and revised edition of Designing with the Mind in Mind, Jeff Johnson provides you with just enough background in

perceptual and cognitive psychology that user interface (UI) design guidelines make intuitive sense rather than being just a list or rules to follow. Early UI practitioners were trained in cognitive psychology, and developed UI design rules based on it. But as the field has evolved since the first edition of this book, designers enter the field from many disciplines. Practitioners today have enough experience in UI design that they have been exposed to design rules, but it is essential that they understand the psychology behind the rules in order to effectively apply them. In this new edition, you'll find new chapters on human choice and decision making, hand-eye coordination and attention, as well as new examples, figures, and explanations throughout. Provides an essential source for user interface design rules and how, when, and why to apply them Arms designers with the science behind each design rule, allowing them to make informed decisions in projects, and to explain those decisions to others Equips readers with the knowledge to make educated tradeoffs between competing rules, project deadlines, and budget pressures Completely updated and revised, including additional coverage on human choice and decision making, hand-eye coordination and attention, and new mobile and touch-screen examples throughout

Design Guidelines in American Cities Sep 02 2022 This book is a study of design initiatives and policies in five US West Coast cities -- Seattle (including Bellevue), Portland, San Francisco, Irvine and San Diego--all of which have had particularly interesting urban design experience of relevance to practice in Britain and other countries.Although these cities are not a representative sample of all American design practice, they provide a rich vein of ideas about recent policy development and current initiatives which will stimulate thought about the formulation of effective design controls. The presentation of substantial extracts from key documents that underpin design controls in the five cities will be of interest, inspiration and practical use to academics and practitioners who want to know more about American practice and who want to contribute to improvements in the standards and quality of urban design policies and design control.The opening chapter provides a national context and a comparative framework for the study, with a focus on international perspectives, American planning systems and the development of criteria for comparison and evaluation. The five subsequentchapters take each city in turn, briefly reviewing the salient characteristics of each one before presenting an account of how planning and design policy have evolved in the last twenty-five years; key features of the contemporary systems of design control are highlighted and a summary evaluation is made. The focus in the case studies is on how policy and guidance have been formulated, structured and presented in the various documents that make up the policy framework, how the process of control operates, and how both respond to the criticisms commonly made of design and control. This final chapter draws general conclusions about the experience of the studied cities of wider relevance to American design review practice, but which are of interest to those engaged in design review and policy formulation everywhere.

Designing with the Mind in Mind Jun 06 2020 Early user interface (UI) practitioners were trained in cognitive psychology, from which UI design rules were based. But as the field evolves, designers enter the field from many disciplines. Practitioners today have enough experience in UI design that they have been exposed to design rules, but it is essential that they understand the psychology behind the rules in order to effectively apply them. In Designing with the Mind in Mind, Jeff Johnson, author of the best selling GUI Bloopers, provides designers with just enough background in perceptual and cognitive psychology that UI design guidelines make intuitive sense rather than being just a list of rules to follow. The first practical, all-in-one source for practitioners on user interface design rules and why, when and how to apply them Provides just enough background into the reasoning behind interface design rules that practitioners can make informed decisions in every project Gives practitioners the insight they need to make educated design decisions when confronted with tradeoffs, including competing design rules, time constrictions, or limited resources

Framework Design Guidelines Nov 04 2022 This is the eBook version of the print title, Framework Design Guidelines, Second Edition . Access to all the samples, applications, and content on the DVD is available through the product catalog page www.informit.com/title/9780321545619 Navigate to the "Downloads" tab and click on the "DVD Contents" links - see instructions in back pages of your eBook. Framework Design Guidelines, Second Edition, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting–and guidelines for ensuring–extensibility How (and how not) to design exceptions Guidelines for–and examples of–common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. Framework Design Guidelines, Second Edition, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the Designing .NET Class Libraries video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

Forest Landscape Design Dec 01 2019 Forest Landscape Design Guidelines

Landscape Architecture Documentation Standards Mar 28 2022 SUPERB EXECUTION RELIES UPON RIGOROUS PROJECT DOCUMENTATION A project will only be built as well as it is documented. This publication focuses on the key documentation needs of the landscape architectural design and construction documentation process. That includes both "design documentation" and "construction documentation" as well as all that which occurs in the transition from one phase to the other. Documentation requirements include those components necessary to explore and define design intent, logic, physical proposals, and ultimately, the specific components included within construction and bid documents. Discover how proper documentation facilitates every stage of the design process from pre-planning to construction, and leads to a highly resolved built outcome. Understand the principles behind these documentation practices. Implement best practices specific to each documentation phase and drawing, from title block and cover sheet design to soil plans and plant protection. Organize keynoting systems, cross-referencing and interdisciplinary coordination amongst multiple consultants and vendors. Study sample project documents from a leading landscape architecture firm to better understand the elements and benefits of complete and well-coordinated project documentation. These standards have been time-tested by over 150 designers at the industry leading landscape architecture firm Design Workshop, reflecting a range of project types, including parks, streetscapes, urban spaces and over-structure construction. This guide shares the methods behind the success, to facilitate exceptional built outcomes through principled documentation practices.

Smart Service Management Dec 13 2020 This book presents the main theoretical foundations behind smart services as well as specific guidelines and practically proven methods on how to design them. Furthermore, it gives an overview of the possible implementation architectures and shows how the designed smart services can be realized with specific technologies. Finally, it provides four specific use cases that show how smart services have been realized in practice and what impact they have within the businesses. The first part of the book defines the basic concepts and aims to establish a shared understanding of terms, such as smart services, service systems, smart service systems or cyber-physical systems. On this basis, it provides an analysis of existing work and includes insights on how an organization incorporating smart services could enhance and adjust their management and business processes. The second part on the design of smart services elaborates on what constitutes a successful smart service and describes experiences in the area of interdisciplinary teams, strategic partnerships, the overall service systems and the common data basis. In the third part, technical reference architectures are presented in detail, encompassing topics on the design of digital twins in cyber physical systems, the communication between entities and sensors in the age of Industry 4.0 as well as data management and integration. The fourth part then highlights a number of analytical possibilities that can be realized and that can constitute or be part of smart services, including machine learning and artificial intelligence methods. Finally, the applicability of the introduced design and development method is demonstrated by considering specific real-world use cases. These include services in the industrial and mobility sector, which were developed in direct cooperation with industry partners. The main target audience of this book is industry-focused readers, especially practitioners from industry, who are involved in supporting and managing digital business. These include professionals working in business development, product management, strategy, and development, ranging from middle management to Chief Digital Officers. It conveys all the basics needed for developing smart services and successfully placing them on the market by explaining technical aspects as well as showcasing practical use cases.

Housing As If People Mattered Mar 04 2020 From the Introduction: Consider these two places: Walking into Green Acres, you immediately sense that you have entered an oasis-traffic noise left behind, negative urban distractions out of sight, children playing and running on the grass, adults puttering on plant-filled balconies. Signs of life and care for the environment abound. Innumerable social and physical clues communicate to visitors and residents alike a sense of home and neighborhood. This is a place that people are proud of, a place that children will remember in later years with nostalgia and affection, a place that just feels "good." Contrast this with Southside Village. Something does not feel quite right. It is hard to find your way about, to discern which are the fronts and which are the backs of the houses, to determine what is "inside" and what is "outside." Strangers cut across what might be a communal backyard. There are no signs of personalization around doors or on balconies. Few children are around; those who are outside ride their bikes in circles in the parking lot There are few signs of caring; litter, graffiti, and broken light fixtures indicate the opposite. There is no sense of place; it is somewhere to move away from, not somewhere to remember with pride. These are not real locations, but we have all seen places like them. The purpose of this book is to assist in the creation of more places like Green Acres and to aid in the rehabilitation of the many Southside Villages that scar our cities. This book is a collection of guidelines for the site design of low-rise, high-density family housing. It is intended as a reference tool, primarily for housing designers and planners, but also for developers, housing authorities, citizens' groups, and tenants' organizations-anyone involved in planning or rehabilitating housing. It provides guidelines for the layout of buildings, open spaces, community facilities, play areas, walkways, and the myriad components that make up a housing site.

Sound & Vibration 2.0 Oct 30 2019 This book features comprehensive, practical, and measureable guidelines for all aspects of acoustics in the design, construction, and evaluation of all types of healthcare facilities, including large general hospitals and specialized patient care facilities.

Guidelines for Design of Low-Rise Buildings Subjected to Lateral Forces Oct 11 2020 Guidelines for Design of Low-Rise Buildings Subjected to Lateral Forces is a concise guide that identifies performance issues, concerns, and research needs associated with low-rise buildings. The book begins with an introduction that discusses special problems with low-rise buildings subjected to wind and earthquakes. Chapter 2 examines probabilistic methods and their use in evaluating risks from natural hazards. It also addresses the characteristics of wind and seismic forces and levels of risk implied by building codes. Wind forces are covered in more detail in Chapter 3, with discussions of wind force concepts and wind-structure interactions. Chapter 4 is devoted to earthquake forces and traces the development of building codes for earthquake resistant design. Chapter 5 describes the main framing systems used to resist lateral forces and discusses the code requirements for drift control. The designs and requirements for connections between building elements are addressed in Chapter 6. It includes examples along with several illustrations of suitable connections. The performance of non-structural elements during wind and earthquake forces is also examined in detail. This book serves as an important reference for civil engineers, construction engineers, architects, and anyone concerned with structural codes and standards. It is an excellent guide that can be used to supplement design recommendations and provide a design basis where there are no current requirements.

Inclusive Design Guidelines for HCI Jan 02 2020 The elderly population is growing and disabilities tend to increase with age. Professionals in the fields of human-computer interaction (HCI) are becoming increasingly aware of the needs of the elderly and people with disabilities. They also need to ensure that systems are designed for all, with specific consideration of these groups, not only computing systems but also other assistive and adaptive technologies such as information services and the use of smart cards, assistive robotics, systems for

travellers, and home and environmental control systems. This book will help designers world-wide find relevant guidelines for the design of human-computer interaction and ensure that systems are designed for all, with specific consideration of people who are elderly and people with disabilities. Including reports from the International Federation of Information Processing's Working Group on Human-Computer Interaction (HCI) and Disability. The book will be the first compendium of guidelines.