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Landscape Architecture and Digital Technologies Unmanned Aerial Vehicles Bentley Descartes CONNECT Edition Bentley Descartes V8i (SELECTseries) CADmaster №1, 2014 Geotechnical Instrumentation for Monitoring Field Performance Teach Yourself MicroStation J Datacad Reference Manual Sheet Metal 2013 Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection Guidelines for Pressure Relief and Effluent Handling Systems Heritage Building Information Modelling Adobe Illustrator 9.0 International Virtual Conference on Industry 4.0 Conservation of Ancient Sites on the Silk Road Clinical Applications of Magnetoencephalography Christmas in Evergreen Digital Anatomy TEX for the Impatient Pipeline Geo-environmental Design and Geohazard Management Writing in the Academic Disciplines, 1870-1990 AutoCAD Civil 3D 2019 Fundamentals Construction Site Design Fundamentals of Heat Exchanger Design Vocabulum Artificial Intelligence in Engineering Structural Analysis Vol II Theory of Plates and Shells Shock Wave Science and Technology Reference Library, Vol. 2 Adobe After Effects 5.0 Hacking Exposed Web 2.0: Web 2.0 Security Secrets and Solutions Oracle Database 11g DBA Handbook

This book presents an overview of the recent advances in clinical applications of magnetoencephalography (MEG). With the expansion of MEG to neuroscience, its clinical applications have also been actively pursued. Featuring contributions from prominent experts in the fields, the book focuses on the current status of the application of MEG, not only to each nervous system but also to various diseases such as epilepsy, neurological disorders, and psychiatric disorders, while also examining the feasibility of using MEG for these diseases. Clinical Applications of Magnetoencephalography offers an indispensable

resource for neurologists, neurosurgeons, pediatricians, and psychiatrists, as well as researchers in the field of neuroscience. Learn how to create professional-quality artwork for print or the Web using Illustrator 9, the world's most popular illustration application Updated edition of the worldwide bestseller Adobe Illustrator is one of the most popular vector graphics tools in the print and web industry Self-paced lessons are the ideal introduction to Illustrator's complex features "Adobe Illustrator 9.0 Classroom in a Book" shows users how to master Adobe Illustrator in short, focused lessons. Created by Adobe's own training experts, it covers all the new features of Illustrator 9, including added compatibility with Macromedia Flash, a new Transparency Palette, and superior vector and raster graphics. Readers start with an introduction to Illustrator's many tools, brushes, and palettes. Lessons include making selections, painting, gradient fills, drawing straight lines, using type and creating type masks, outlining paths with patterns, printing artwork, producing color separations, and preparing finished artwork for print or the Web. Each lesson builds upon the knowledge learned in previous lessons, so readers have a full tour of the software by the time they have finished the book. The cross-platform CD provides all the lessons and images needed for each chapter. Previous Edition ISBN: 1-56830-470-6 The Adobe Creative Team is made up of members of Adobe's User Education Group. They take their expertise in training users to work with Adobe products, combine it with the creative talents of the Adobe Illustrator team, and add the valuable content of the CD-ROM to make a unique learning package from Adobe Systems. Adobe After Effects is a tool for creating motion graphics and visual effects for film, video, multimedia, and the Web. Introducing video, Web, and film producers to After Effects, this book shows how to create motion graphic effects that include basic animation, motion graphics, visual effects used

in professional film making, and more. This book will serve as a valuable reference to widely applicable and critically important geoenvironmental topics for pipeline engineers worldwide. The topics covered are: route selection, open cut and elevated driver crossings, horizontal directional drilling, buoyancy control and geohazard management. Authored by a team of recognized specialists in their respective fields and with practical examples from experiences around the world, this book will provide generalists with working knowledge in the topics addressed to better define design, construction and integrity management issues and to identify practical solutions. Бесплатное издание This book provides an overview of the basic concepts and components of UAVs, the various sensors used, architecture of autonomous UAVs, communication tools and devices to acquire real-time data from UAVs, the software needed to analyze the UAV data, required rules and regulations to fly UAVs, various application areas, and future areas of research which is needed to handle relevant challenges. FEATURES: Explores the utilization of UAVs in different application areas, such as construction, oil and gas, mining, agriculture, forestry, search and rescue, surveillance, transportation, disaster, logistics, health, journalism, and many more Covers the theory, hardware, and software components of UAVs Includes end of chapter review questions for better understanding of the subject matter. Addresses the broad spectrum of engineering disciplines and introduces AI as a powerful engineering tool capable of providing effective and significant assistance in that domain. Landscape Architecture and Digital Technologies explores how digital technologies are reshaping design and making in landscape architecture. While the potentials of digital technologies are well documented within landscape planning and visualisation, their application within design practice is far less understood. This book highlights the role of the digital model in encouraging a new design logic that moves from the privileging of the visual to a focus on processes of formation, bridging the interface of the conceptual and material, the virtual and the physical. Drawing on interviews and projects from a range of international designers - including , Snøhetta, Arup, Gustafson Porter, ASPECT Studios, Grant

Associates, Catherine Mosbach, Philippe Rahm, PARKKIM, LAAC and PEG office of landscape + architecture among others, the authors explore the influence of parametric modelling, scripting, real-time data, simulation, prototyping, fabrication, and Building Information Modelling on the design and construction of contemporary landscapes. This engagement with practice is expanded through critical reflection from academics involved in landscape architecture programs around the world that are reshaping their research and pedagogy to reflect an expanded digital realm. Crossing critical theory, technology and contemporary design, the book constructs a picture of an emerging twenty-first century practice of landscape architecture practice premised on complexity and performance. It also highlights the disciplinary demands and challenges in engaging with a rapidly evolving digital context within practice and education. The book is of immense value to professionals and researchers, and is a key publication for digital landscape courses at all levels. Lock down next-generation Web services "This book concisely identifies the types of attacks which are faced daily by Web 2.0 sites, and the authors give solid, practical advice on how to identify and mitigate these threats." --Max Kelly, CISSP, CIPP, CFCE, Senior Director of Security, Facebook Protect your Web 2.0 architecture against the latest wave of cybercrime using expert tactics from Internet security professionals. Hacking Exposed Web 2.0 shows how hackers perform reconnaissance, choose their entry point, and attack Web 2.0-based services, and reveals detailed countermeasures and defense techniques. You'll learn how to avoid injection and buffer overflow attacks, fix browser and plug-in flaws, and secure AJAX, Flash, and XML-driven applications. Real-world case studies illustrate social networking site weaknesses, cross-site attack methods, migration vulnerabilities, and IE7 shortcomings. Plug security holes in Web 2.0 implementations the proven Hacking Exposed way Learn how hackers target and abuse vulnerable Web 2.0 applications, browsers, plug-ins, online databases, user inputs, and HTML forms Prevent Web 2.0-based SQL, XPath, XQuery, LDAP, and command injection attacks Circumvent XXE, directory traversal, and buffer overflow exploits Learn XSS and Cross-Site Request Forgery

methods attackers use to bypass browser security controls Fix vulnerabilities in Outlook Express and Acrobat Reader add-ons Use input validators and XML classes to reinforce ASP and .NET security Eliminate unintentional exposures in ASP.NET AJAX (Atlas), Direct Web Remoting, Sajax, and GWT Web applications Mitigate ActiveX security exposures using SiteLock, code signing, and secure controls Find and fix Adobe Flash vulnerabilities and DNS rebinding attacks The Essential Resource for Oracle DBAs--Fully Updated and Expanded Manage a flexible, highly available Oracle database with help from the expert information contained in this exclusive Oracle Press guide. Fully revised to cover every new feature and utility, Oracle Database 11g DBA Handbook shows how to perform a new installation, upgrade from previous versions, configure hardware and software for maximum efficiency, and employ bulletproof security. You will learn to automate the backup and recovery process, provide transparent failover capability, audit and tune performance, and distribute your enterprise databases with Oracle Net. Plan and deploy permanent, temporary, and bigfile tablespaces Optimize disk allocation, CPU usage, I/O throughput, and SQL queries Develop powerful database management applications Guard against human errors using Oracle Flashback and Oracle Automatic Undo Management Diagnose and tune system performance using Oracle Automatic Workload Repository and SQL Tuning Sets Implement robust security using authentication, authorization, fine-grained auditing, and fine-grained access control Maintain high availability using Oracle Real Application Clusters and Oracle Active Data Guard Respond more efficiently to failure scenarios by leveraging the Oracle Automatic Diagnostic Repository and the Oracle Repair Advisor Back up and restore tables, tablespaces, and databases with Oracle Recovery Manager and Oracle Data Pump Export and Import Work with networked databases, data warehouses, and VLDBs Put the latest Oracle Database 11g tools to work--Oracle Total Recall, Oracle Flashback Data Archive, and more This book presents the proceedings of the International Virtual Conference on Industry 4.0 (IVCI4.0 2020). This conference brings together specialists from the academia and industry sectors to promote the exchange of

knowledge, ideas, and information on the latest developments and applied technologies in the field of Industry 4.0. The book discusses a wide range of topics such as the design of smart and intelligent products, developments in recent technologies, rapid prototyping and reverse engineering, multistage manufacturing processes, manufacturing automation in the Industry 4.0 model, cloud-based products, and cyber-physical and reconfigurable systems, etc. The volume supports the transfer of vital knowledge to the next generation of academics and practitioners. The collection provides an outlet for both industry and academia alike to present their latest findings in the area of sheet metal forming. Volume is indexed by Thomson Reuters CPCI-S (WoS). There are 69 peer reviewed contributions from Industry and academia representing 23 Countries. The research presented covers a diverse field from the fundamental testing and characterisation of sheet metals to the development of new and innovative forming processes. This book is the first of several volumes on solids in the Shock Wave Science and Technology Reference Library. This is a unique collection, and the library as a whole sets out to comprehensively and authoritatively cover and review at research level the subject matter with all its ramifications. All the chapters are self-contained and can be read independently of each other, though they are of course thematically interrelated. This book offers readers fresh insights on applying Extended Reality to Digital Anatomy, a novel emerging discipline. Indeed, the way professors teach anatomy in classrooms is changing rapidly as novel technology-based approaches become ever more accessible. Recent studies show that Virtual (VR), Augmented (AR), and Mixed-Reality (MR) can improve both retention and learning outcomes. Readers will find relevant tutorials about three-dimensional reconstruction techniques to perform virtual dissections. Several chapters serve as practical manuals for students and trainers in anatomy to refresh or develop their Digital Anatomy skills. We developed this book as a support tool for collaborative efforts around Digital Anatomy, especially in distance learning, international and interdisciplinary contexts. We aim to leverage source material in this book to support new Digital Anatomy courses and syllabi in

interdepartmental, interdisciplinary collaborations. Digital Anatomy - Applications of Virtual, Mixed and Augmented Reality provides a valuable tool to foster cross-disciplinary dialogues between anatomists, surgeons, radiologists, clinicians, computer scientists, course designers, and industry practitioners. It is the result of a multidisciplinary exercise and will undoubtedly catalyze new specialties and collaborative Master and Doctoral level courses world-wide. In this perspective, the UNESCO Chair in digital anatomy was created at the Paris Descartes University in 2015 ([www.anatomieunesco.org](http://www.anatomieunesco.org)). It aims to federate the education of anatomy around university partners from all over the world, wishing to use these new 3D modeling techniques of the human body. Building Information Modelling (BIM) is being debated, tested and implemented wherever you look across the built environment sector. This book is about Heritage Building Information Modelling (HBIM), which necessarily differs from the commonplace applications of BIM to new construction. Where BIM is being used, the focus is still very much on design and construction. However, its use as an operational and management tool for existing buildings, particularly heritage buildings, is lagging behind. The first of its kind, this book aims to clearly define the scope for HBIM and present cutting-edge research findings alongside international case studies, before outlining challenges for the future of HBIM research and practice. After an extensive introduction to HBIM, the core themes of the book are arranged into four parts: Restoration philosophies in practice Data capture and visualisation for maintenance and repair Building performance Stakeholder engagement This book will be a key reference for built environment practitioners, researchers, academics and students engaged in BIM, HBIM, building energy modelling, building surveying, facilities management and heritage conservation more widely. Providing in-depth guidance on how to design and rate emergency pressure relief systems, Guidelines for Pressure Relief and Effluent Handling Systems incorporates the current best designs from the Design Institute for Emergency Relief Systems as well as American Petroleum Institute (API) standards. Presenting a methodology that helps properly size all the components in a pressure

relief system, the book includes software with the CCFlow suite of design tools and the new Superchems for DIERS Lite software, making this an essential resource for engineers designing chemical plants, refineries, and similar facilities. Access to Software Access the Guidelines for Pressure Relief and Effluent Handling Software and documents using a web browser at: <http://www.aiche.org/ccps/PRTools> Each folder will have a readme file and installation instructions for the program. After downloading SuperChems™ for DIERS Lite the purchaser of this book must contact the AIChE Customer Service with the numeric code supplied within the book. The purchaser will then be supplied with a license code to be able to install and run SuperChems™ for DIERS Lite. Only one license per purchaser will be issued. Designed for users who want to incorporate and manipulate raster imagery in their drawings. Bentley Descartes is included automatically with the installation of civil applications such as OpenRoads Designer, and OpenSite Designer. This training covers tools and options available in Raster Manager as well as the raster editing and manipulation tools installed by Bentley Descartes. This includes the tools for image enhancement, warping and cropping images, as well as raster to vector conversions. Contains a list of the most common problems that users encounter and their solutions. Organized by function and thoroughly indexed. Includes a complete description of control sequences. Annotation copyrighted by Book News, Inc., Portland, OR This two-volume set LNCS 10058 and LNCS 10059 constitutes the refereed proceedings of the 6th International Conference on Digital Heritage, EuroMed 2016, held in Nicosia, Cyprus, in October/November 2016. The 29 full papers, 44 project papers, and 32 short papers presented were carefully reviewed and selected from 502 submissions. The papers are organized in topical sections on 3D Reconstruction and 3D Modelling; Heritage Building Information Models; Innovative Methods on Risk Assessment, Monitoring and Protection of Cultural Heritage; Intangible Cultural Heritage Documentation; Digital Applications for Materials' Preservation and Conservation in Cultural Heritage; Non-Destructive Techniques in Cultural Heritage Conservation; Visualisation, VR and AR Methods and Applications; The

New Era of Museums and Exhibitions: Digital Engagement and Dissemination; Digital Cultural Heritage in Education, Learning and Training; Data Acquisition, Process and Management in Cultural Heritage; Data, Metadata, Semantics and Ontologies in Cultural Heritage; Novel Approaches to Landscapes in Cultural Heritage; Digital Applications for Materials' Preservation and Conservation in Cultural Heritage; and Serious Games for Cultural Heritage. In this singular study, David R. Russell provides a history of writing instruction outside general composition courses in American secondary and higher education, from the founding of public secondary schools and research universities in the 1870s through the spread of the writing-across-the-curriculum movement in the 1980s. Russell's task is to examine the ways writing was taught in the myriad curricula that composed the varied structure of secondary and higher education in modern America. He begins with the assertion that, before the 1870s, writing was taught as ancillary to speaking. As a result, formal writing instruction was essentially training in handwriting, the mechanical process of transcribing sound to visual form. From this point, Russell carefully examines academic writing, its origins and its teaching, from a broad institutional perspective. He looks at the history of little-studied genres of student writing such as the research paper, lab report, and essay examination. Tracing the effects of increasing specialization on writing instruction, he notes how two new ideals of academic life, research and utilitarian service, shaped writing instruction into its modern forms. Finally, he contributes the definitive history of the current writing-across-the-curriculum movement, providing a study of the long tradition of other WAC efforts with an analysis of why they have waned. " Heat exchanger has increased immensely from the viewpoint of energy conservation, conversion, recovery, and successful implementation of new energy sources. Its importance is also increasing from the standpoint of environmental concerns such as thermal pollution, air pollution, water pollution, and waste disposal. Heat exchangers are used in the process, power, transportation, air-conditioning and refrigeration, cryogenic, heat recovery; alternate fuels, and manufacturing industries,

as well as being key components of many industrial products available in the marketplace. The heat exchanger design equation can be used to calculate the required heat transfer surface area for a variety of specified fluids, inlet and outlet temperatures and types and configurations of heat exchangers, including counterflow or parallel flow. A value is needed for the overall heat transfer coefficient for the given heat exchanger, fluids, and temperatures. Heat exchanger calculations could be made for the required heat transfer area, or the rate of heat transfer for a heat exchanger of given area. The first book on the subject written by a practitioner for practitioners. Geotechnical Instrumentation for Monitoring Field Performance Geotechnical Instrumentation for Monitoring Field Performance goes far beyond a mere summary of the technical literature and manufacturers' brochures: it guides reader through the entire geotechnical instrumentation process, showing them when to monitor safety and performance, and how to do it well. This comprehensive guide: \* Describes the critical steps of planning monitoring programs using geotechnical instrumentation, including what benefits can be achieved and how construction specifications should be written \* Describes and evaluates monitoring methods and recommends instruments for monitoring groundwater pressure, deformations, total stress in soil, stress change in rock, temperature, and load and strain in structural members \* Offers detailed practical guidelines on instrument calibrations, installation and maintenance, and on the collection, processing, and interpretation of instrumentation data \* Describes the role of geotechnical instrumentation during the construction and operation phases of civil engineering projects, including braced excavations, embankments on soft ground, embankment dams, excavated and natural slopes, underground excavations, driving piles, and drilled shafts \* Provides guidelines throughout the book on the best practices At the Mogao grottoes, a World Heritage Site near Dunhuang in the Gobi Desert, generations of Buddhist monks created hundreds of rock temples. Nearly five hundred of these grottoes remain, lined with painted clay sculptures and wall paintings that depict legends, portraits, customs, and the arts of

China over a one-thousand-year period. This volume of symposium proceedings marks the culmination of the first phase of the Getty Conservation Institute's collaborative project with the State Bureau of Culture Relics of the People's Republic of China and the Dunhuang Academy. A snowy small town. A snow globe that grants wishes. A love that's meant to be. Evergreen, Vermont is about to be in the rearview mirror of Allie Shaw's vintage red pickup truck. It's hard to say goodbye to her small town and her veterinarian practice, but she's moving to Washington D.C., where her big-city-loving boyfriend lives. Ever since Ryan Bellamy's wife died, he hardly knows how to celebrate Christmas. He's decided to take his daughter Zoe to Florida, and Evergreen is just a quick stop on the way to the airport. While they're there, Zoe partakes in a local tradition, making a Christmas wish on the snow globe at the town diner. But neither Allie's nor Ryan's Christmas goes as planned. They've checked their wish lists twice, and they didn't say anything about meeting someone new...or about a fresh chance at love. This sweet holiday romance includes a free Hallmark original recipe for Vermont Christmas Card Cookies.

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