

Api 582

A Practical Guide to Piping and Valves for the Oil and Gas Industry covers how to select, test and maintain the right oil and gas valve. Each chapter focuses on a specific type of valve with a built-in structured table on valve selection. Covering both onshore and offshore projects, the book also gives an introduction to the most common types of corrosion in the oil and gas industry, including CO₂, H₂S, pitting, crevice, and more. A model to evaluate CO₂ corrosion rate on carbon steel piping is introduced, along with discussions on bulk piping components, including fittings, gaskets, piping and flanges. Rounding out with chapters devoted to valve preservation to protect against harmful environments and factory acceptance testing, this book gives engineers and managers a much-needed tool to better understand today's valve technology. Presents oil and gas examples and challenges relating to valves, including many illustrations from valves in different stages of projects Helps readers understand valve materials, testing, actuation, packing and preservation, also including a new model to evaluate CO₂ corrosion rates on carbon steel piping Presents structured valve selection tables in each chapter to help readers pick the right valve for the right project

Gary Rosenzweig introduces the multimedia authoring platform Macromedia Director 8.5. He lays a solid foundation so that the reader can learn the software's advanced 3-D functionality. Special attention is given to Director's 3D API.

Covers All Site Activities after Design Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing is an ideal guide for engineers involved in the mechanical construction of above ground storage tanks. This text details the construction of storage tanks in accordance with the American Petroleum Institute requirements for API 650, and is the first book to cover every stage subsequent to the design of storage tanks. The author focuses on the mechanical construction, inspection, and testing of storage tanks and all aspects on-site after design, and explains the relevance of code requirements. In addition, he incorporates real-world applications based on his own experience, and provides a host of practical tips, useful in avoiding repair and reworks during construction of storage tanks. Presents material compiled according to the requirements of API 650 for the construction of storage tanks Includes coverage of the practical aspects of tank farm layout, design, foundation, erection, welding, inspection and testing Explains the details of construction /welding sequences and NDT with simple sketches and tables Spells out applicable codes and specifications, and provides logical explanations of various code requirements A reference for beginners and practitioners in the construction industry, Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing contains valuable information on API 650 code requirements and specifications, and the construction of above ground storage tanks.

It's OK to feel angry. What does being angry feel like? What does it look like? How can you help anger go away? Everyone feels angry sometimes.

The Art of Performance Measurement

Inside Active Directory

Fundamentals

Presented at the 2002 ASME Pressure Vessels and Piping Conference : Vancouver, British Columbia, Canada, August 5-9, 2002

Windows 2000 Programming from the Ground Up

Sams Teach Yourself Visual C++ .Net in 21 Days

Use this in-depth guide to correctly design benchmarks, measure key performance metrics of .NET applications, and analyze results. This book presents dozens of case studies to help you understand complicated benchmarking topics. You will avoid common pitfalls, control the accuracy of your measurements, and improve performance of your software. Author Andrey Akinshin has maintained BenchmarkDotNet (the most popular .NET library for benchmarking) for five years and covers common mistakes that developers usually make in their benchmarks. This book includes not only .NET-specific content but also essential knowledge about performance measurements which can be applied to any language or platform (common benchmarking methodology, statistics, and low-level features of modern hardware). What You'll Learn
Be aware of the best practices for writing benchmarks and performance tests
Avoid the common benchmarking pitfalls
Know the hardware and software factors that affect application performance
Analyze performance measurements
Who This Book Is For
.NET developers concerned with the performance of their applications

Introduction to Using Inventor's Programming Interface There are several resources provided to help you use Inventor's Application Programming Interface (API). These resources are all part of Inventor's Software Development Kit (SDK). The various elements of the SDK and some additional external resources are described below.

As XML gains popularity, developers are looking to implement XML technologies in their line-of-business applications This book offers readers real-world insight into XML so that they can build the best possible applications
Offers an in-depth look at XML and discusses XML tools, services (RSS, SOAP, REST, WSDL), programming (DOM, SAX, Ajax), and languages (.NET, Java, PHP)

How do you use PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 5.1 and Open Source PowerShell up to 7.0 and beyond, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including regular expressions, the XPath language, format specifiers, and frequently referenced .NET, COM, and WMI classes. Learn how to use PowerShell on Windows 10 and Windows Server 2019
Tour PowerShell's core features, including

the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem

The Profit and Price Performance of Leading Food Chains, 1970-74

Core Java, Volume II--Advanced Features

Machine Learning with PyTorch and Scikit-Learn

A Practical Guide to Piping and Valves for the Oil and Gas Industry

Pro Drupal 7 Development

Core Java Volume I--Fundamentals

An invaluable tutorial on the dramatic changes to Enterprise JavaBeans (EJB) 3.0 Featuring myriad changes from its previous versions, EJB 3.0 boasts a very different programming and deployment model, with nearly every aspect of development affected. Even the most experienced EJB and J2EE developers will need to relearn how to best use EJB to develop mission-critical applications. This author team of experts has taken their combined skills in architecture, development, consulting, and knowledge transfer to explain the various changes to EJB 3.0 as well as the rationale behind these changes. You'll learn the concepts and techniques for authoring distributed, enterprise components in Java from the ground up. Covering basic through advanced subjects, Mastering Enterprise JavaBeans 3.0 is more than 50 percent new and revised. Four new chapters and one new appendix cover the latest features of this new release, and in-depth coverage of the Java Persistence API and the entities defined therein is provided. The authors' main goal is to get you programming with EJB immediately. To that end, you'll learn:

- * How to implement EJB 3.0 beans, with emphasis on session beans (stateful and stateless) and message-driven beans
- * Both basic and advanced concepts (such as inheritance, relationships, and so on) of Java Persistence API defined entities
- * How to develop and deploy EJB 3.0 Web services
- * How to secure EJB applications
- * How to integrate EJB applications with the outside world via the Java EE Connector technology
- * Tips and techniques for designing and deploying EJB for better performance
- * How clustering in large-scale EJB systems works
- * Best practices for EJB application design, development, and testing

The companion Web site provides all the source code, updates to the source code examples, and a PDF version of the book. Wiley Technology Publishing Timely. Practical. Reliable. Visit the companion Web site at www.wiley.com/go/sriganesh

The book is a guide for Layers of Protection Analysis (LOPA) practitioners. It explains the onion skin model and in particular, how it relates to the use of LOPA and the need for non-safety instrumented independent protection layers.

It provides specific guidance on Independent Protection Layers (IPLs) that are not Safety Instrumented Systems (SIS). Using the LOPA methodology, companies typically take credit for risk reductions accomplished through non-SIS alternatives; i.e. administrative procedures, equipment design, etc. It addresses issues such as how to ensure the effectiveness and maintain reliability for administrative controls or "inherently safer, passive" concepts. This book will address how the fields of Human Reliability Analysis, Fault Tree Analysis, Inherent Safety, Audits and Assessments, Maintenance, and Emergency Response relate to LOPA and SIS. The book will separate IPL's into categories such as the following: Inherent Safety eliminates a scenario or fundamentally reduces a hazard Preventive/Proactive prevents initiating event from occurring such as enhanced maintenance Preventive/Active stops chain of events after initiating event occurs but before an incident has occurred such as high level in a tank shutting off the pump. Mitigation (active or passive) minimizes impact once an incident has occurred such as closing block valves once LEL is detected in the dike (active) or the dike preventing contamination of groundwater (passive).

C# in a Nutshell" O'Reilly Media, Inc."

Explains the features and complexities of Visual Basic 6, including object-oriented programming, database programming, Internet programming, and creating ActiveX controls

Pro .NET Benchmarking

Visual Basic 6 Unleashed

Creative Coding and Computational Art

Beginning Java 8 APIs, Extensions and Libraries

Theory and Practice

A Handbook for the Petrochemical Industry

This handbook is an in-depth guide to the practical aspects of materials and corrosion engineering in the energy and chemical industries. The book covers materials, corrosion, welding, heat treatment, coating, test and inspection, and mechanical design and integrity. A central focus is placed on industrial requirements, including codes, standards, regulations, and specifications that practicing material and corrosion engineers and technicians face in all roles and in all areas of responsibility. The comprehensive resource provides expert guidance on general corrosion mechanisms and recommends materials for the control and prevention of corrosion damage, and offers readers industry-tested best practices, rationales, and case studies.

Pro Android 4 shows you how to build real-world and fun mobile apps using the new Android SDK 4 (Ice Cream Sandwich), which unifies Gingerbread for smartphones, Honeycomb for tablets and augments further with Google TV and more. This Android 4 book updates the best selling Pro Android 3 and covers everything from the fundamentals of building apps for embedded devices, smartphones, and tablets to

advanced concepts such as custom 3D components, multi-tasking, sensors/augmented reality, better accessories support and much more. Using the tutorials and expert advice, you'll quickly be able to build cool mobile apps and run them on dozens of Android-based smartphones. You'll explore and use the Android APIs, including those for media and sensors. And you'll check out what's new with Android 4, including the improved user interface across all Android platforms, integration with services, and more. After reading this definitive tutorial and reference, you gain the knowledge and experience to create stunning, cutting-edge Android 4 apps that can make you money, while keeping you agile enough to respond to changes in the future.

Now available in paperback— Pro Oracle Spatial for Oracle Database 11g shows how to take advantage of Oracle Databases built-in feature set for working with location-based data. A great deal of the information used in business today is associated with location in some way, and analysis of that data is becoming ever more important in today's mobile and highly connected world. In Pro Oracle Spatial for Oracle Database 11g, authors Ravi Kothuri and Albert Godfrind address: The special nature of spatial data and its role in professional and consumer applications Issues in spatial data management such as modeling, storing, accessing, and analyzing spatial data The Oracle Spatial solution and the integration of spatial data into enterprise databases How spatial information is used to understand business and support decisions, to manage customer relations, and to better serve private and corporate users When you read Pro Oracle Spatial for Oracle Database 11g, you're learning from the very best. Ravi Kothuri is a key member of Oracle's Spatial development team. Albert Godfrind consults widely with Oracle clients on the implementation of Oracle Spatial, develops training courses, and presents frequently at conferences. Together they have crafted a technically sound and authoritative fountain of information on working with spatial data in the Oracle database.

Inequality in Education: Comparative and International Perspectives is a compilation of conceptual chapters and national case studies that includes a series of methods for measuring education inequalities. The book provides up-to-date scholarly research on global trends in the distribution of formal schooling in national populations. It also offers a strategic comparative and international education policy statement on recent shifts in education inequality, and new approaches to explore, develop and improve comparative education and policy research globally. Contributing authors examine how education as a process interacts with government finance policy to form patterns of access to education services. In addition to case perspectives from 18 countries across six geographic regions, the volume includes six conceptual chapters on topics that influence education inequality, such as gender, disability, language and economics, and a summary chapter that presents new evidence on the pernicious consequences of inequality in the distribution of education. The book offers (1) a better and more holistic understanding of ways to measure education inequalities; and (2) strategies for facing the challenge of inequality in education in the processes of policy formation, planning and implementation at the local, regional, national and global levels.

Professional XML

Inside ASP.NET

A System Administrator's Guide

Piping and Pipeline Engineering

Mastering Enterprise JavaBeans 3.0

Pro Android 4

This book serves as a comprehensive resource on metals and materials selection for the petrochemical industrial sector. The petrochemical industry involves large scale investments, and to maintain profitability the plants are to be operated with minimum downtime and failure of equipment, which can also cause safety hazards. To achieve this objective proper selection of materials, corrosion control, and good engineering practices must be followed in both the design and the operation of plants. Engineers and professional of different disciplines involved in these activities are required to have some basic understanding of metallurgy and corrosion. This book is written with the objective of servings as a one-stop shop for these engineering professionals. The book first covers different metallic materials and their properties, metal forming processes, welding, and corrosion and corrosion control measures. This is followed by considerations in material selection and corrosion control in three major industrial sectors, oil & gas production, oil refinery, and fertilizers. The importance of pressure vessel codes as well as inspection and maintenance repair practices have also been highlighted. The book will be useful for technicians and entry level engineers in these industrial sectors. Additionally, the book may also be used as primary or secondary reading for graduate and professional coursework.

Intellectual property transactions underlie large segments of the global economy, from pharmaceuticals to computing, entertainment to digital content. This first-of-its-kind resource combines practical contract drafting and negotiation skills with substantive legal doctrine in the rapidly growing area of intellectual property transactions and licensing. Though primarily designed for classroom use, it is also a must-have legal reference work for every lawyer involved in the technology, biopharma, entertainment, media or financial services industries. It includes practical drafting models and explanations of key contractual provisions such as field of use, exclusivity, milestones, royalties, termination, indemnification and liability, and combines these with discussion of the latest cases interpreting these provisions. Numerous legal doctrines that affect the enforcement of IP agreements are also covered, including exhaustion, first sale, misuse, estoppel, antitrust and bankruptcy law, as well as chapters focusing on specialized fields such as trademark law, music licensing, technical standardization, and IP pooling. This book is also available as Open Access on Cambridge Core.

Taking a big-picture approach, Piping and Pipeline Engineering: Design, Construction, Maintenance, Integrity, and Repair elucidates the fundamental steps to any successful piping and pipeline engineering project, whether it is routine maintenance or a new multi-million dollar project. The author explores the qualitative details, calculations, and techniques that are essential in supporting competent decisions. He pairs coverage of real world practice with the underlying technical principles in materials, design, construction, inspection, testing, and maintenance. Discover the seven essential principles that will help establish a balance between production, cost, safety, and integrity of piping systems and pipelines The book includes coverage of codes and standards, design analysis, welding and inspection, corrosion mechanisms, fitness-for-service and failure analysis, and an overview of valve selection and application. It features the technical basis of piping and pipeline code design rules for normal operating conditions and occasional loads and addresses the fundamental principles of materials, design, fabrication, testing and

corrosion, and their effect on system integrity.

Beginning Java 8 APIs, Extensions and Libraries completes the Apress Java learning journey and is a comprehensive approach to learning the Java Swing, JavaFX, Java Scripting, JDBC and network programming APIs. This book covers the key extensions of the Java programming language such as Swing, JavaFX, network programming, and JDBC. Each topic starts with a discussion of the topic's background. A step-by-step process, with small snippets of Java code, provides easy-to-follow instructions. At the end of a topic, a complete and ready-to-run Java program is provided. This book contains over 130 images and diagrams to help you visualize and better understand the topics. More than 130 complete programs allow you to practice and quickly learn the topics. The Swing chapters discuss various aspects of working with a GUI, from the very basic concepts of developing a Swing application, to the most advanced topics, such as decorating a Swing component with a JLayer, drag-and-drop features, Synth Skinnable L&F, etc. The chapter on network programming covers the basics of network technologies first, and then, the advanced topics of network programming, using a Java class library. It covers IPv4 and IPv6, addressing schemes, subnetting, supernetting, multicasting, TCP/IP sockets, UPD sockets, asynchronous socket I/O, etc. The chapter on JDBC provides the details of connecting and working with databases such as Oracle, SQL Server, MySQL, DB2, Java DB (Apache Derby), Sybase, Adaptive Server Anywhere, etc. It contains a complete discussion on processing a ResultSet and a RowSet. It discusses how to use the RowSetFactory, to obtain a RowSet object of a specific type. Working with Large Objects (LOBs), such as Blob, Clob, and NClob, is covered in detail with Java code examples and database scripts.

Asiatic Pilot

Handbook of Engineering Practice of Materials and Corrosion

The Guru's Guide to SQL Server Architecture and Internals

PowerShell Cookbook

Processing

Swing, JavaFX, JavaScript, JDBC and Network Programming APIs

Offers a reference to key C# programming concepts covering language elements, syntax, datatypes, and tasks.

bull; Contains the most depth and breadth of coverage of any book on SQL Server architecture, internals, and tuning bull; Will be a key reference for anyone working with SQL Server, no matter what their skill level bull; The latest book in the bestselling series of Guru's Guides from Ken Henderson

The #1 Guide to Advanced Java Programming, Fully Updated for Java 11 Core Java has long been recognized as the leading, no-nonsense tutorial and reference for experienced programmers who want to write robust Java code for real-world applications. Now, Core Java, Volume II—Advanced Features, Eleventh Edition, has been updated for Java 11, with up-to-date coverage of advanced UI and enterprise programming, networking, security, and Java's powerful new module system. Cay S. Horstmann explores

sophisticated new language and library features with the depth and completeness that readers expect from Core Java. He demonstrates how to use these features to build professional-quality applications, using thoroughly tested examples that reflect modern Java style and best practices, including modularization. Horstmann's examples are carefully crafted for easy understanding and maximum practical value, so you can consistently use them to jump-start your own code. Master advanced techniques, idioms, and best practices for writing superior Java code Take full advantage of modern Java I/O APIs, object serialization, and regular expressions Efficiently connect to network services, implement network clients and servers, and harvest web data Query databases and manage database connections with the latest version of JDBC Simplify all aspects of date and time programming with the Java Date and Time API Write internationalized programs that localize dates, times, numbers, text, and GUIs Process code in three powerful ways: the scripting API, compiler API, and annotation processing Learn how to migrate legacy code to the Java Platform Module System Leverage the modern Java security features most valuable to application programmers Program advanced client-side user interfaces, and generate images on the server Use JNI to interoperate with native C code See Core Java, Volume I—Fundamentals, Eleventh Edition (ISBN-13: 978-0-13-516630-7), for expert coverage of fundamental Java and UI programming, including objects, generics, collections, lambda expressions, Swing design, concurrency, and functional programming. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Your all-encompassing guide to learning Android app development If you're an aspiring or beginning programmer interested in creating apps for the Android market—which grows in size and downloads every day—this is your comprehensive, one-stop guide. Android Application Development All-in-One For Dummies covers the information you absolutely need to get started developing apps for Android. Inside, you'll quickly get up to speed on Android programming concepts and put your new knowledge to use to manage data, program cool phone features, refine your applications, navigate confidently around the Android native development kit, and add important finishing touches to your apps. Covering the latest features and enhancements to the Android Software Developer's Kit, this friendly, hands-on guide walks you through Android programming basics, shares techniques for developing great Android applications, reviews Android hardware, and much more. All programming examples, including the sample application, are available for download from the book's website Information is carefully organized and presented in an easy-to-follow format 800+ pages of content make this an invaluable resource at an unbeatable price Written by an expert Java educator, Barry Burd, who authors the bestselling Java For Dummies Go from Android newbie to master programmer in no time with the help of Android Application Development All-in-One For Dummies!

Windows? 2000 Developer's Guide
Android Application Development All-in-One For Dummies
Intellectual Property Licensing and Transactions

Special Edition Using Director 8.5

Hazard Identification, Assessment and Control

Above Ground Storage Tanks

A definitive guide to Java's most powerful features for enterprise and desktop application development.

This book of the bestselling and widely acclaimed Python Machine Learning series is a comprehensive guide to machine and deep learning using PyTorch's simple to code framework Key Features Learn applied machine learning with a solid foundation in theory Clear, intuitive explanations take you deep into the theory and practice of Python machine learning Fully updated and expanded to cover PyTorch, transformers, XGBoost, graph neural networks, and best practices Book Description Machine Learning with PyTorch and Scikit-Learn is a comprehensive guide to machine learning and deep learning with PyTorch. It acts as both a step-by-step tutorial and a reference you'll keep coming back to as you build your machine learning systems. Packed with clear explanations, visualizations, and examples, the book covers all the essential machine learning techniques in depth. While some books teach you only to follow instructions, with this machine learning book, we teach the principles allowing you to build models and applications for yourself. Why PyTorch? PyTorch is the Pythonic way to learn machine learning, making it easier to learn and simpler to code with. This book explains the essential parts of PyTorch and how to create models using popular libraries, such as PyTorch Lightning and PyTorch Geometric. You will also learn about generative adversarial networks (GANs) for generating new data and training intelligent agents with reinforcement learning. Finally, this new edition is expanded to cover the latest trends in deep learning, including graph neural networks and large-scale transformers used for natural language processing (NLP). This PyTorch book is your companion to machine learning with Python, whether you're a Python developer new to machine learning or want to deepen your knowledge of the latest developments. What you will learn Explore frameworks, models, and techniques for machines to 'learn' from data Use scikit-learn for machine learning and PyTorch for deep learning Train machine learning classifiers on images, text, and more Build and train neural networks, transformers, and boosting algorithms Discover best practices for evaluating and tuning models Predict continuous target outcomes using regression analysis Dig deeper into textual and social media data using sentiment analysis Who this book is for If you have a good grasp of Python basics and want to start learning about machine learning

and deep learning, then this is the book for you. This is an essential resource written for developers and data scientists who want to create practical machine learning and deep learning applications using scikit-learn and PyTorch. Before you get started with this book, you'll need a good understanding of calculus, as well as linear algebra.

A guide to customizing Windows 2000 explains how to build applications, create menus, implement dialog boxes, manipulate the System Registry, and work with multithreaded multitasking

Unleash the power of serverless integration with Azure About This Book Build and support highly available and scalable API Apps by learning powerful Azure-based cloud integration Deploy and deliver applications that integrate seamlessly in the cloud and quickly adapt as per your integration needs Deploy hybrid applications that work and integrate on the cloud (using Logic Apps and BizTalk Server) Who This Book Is For This book is for Microsoft Enterprise developers, DevOps, and IT professionals who would like to use Azure App Service and Microsoft Cloud Integration technologies to create cloud-based web and mobile apps. What You Will Learn Explore new models of robust cloud integration in Microsoft Azure Create your own connector and learn how to publish and manage it Build reliable, scalable, and secure business workflows using Azure Logic Apps Simplify SaaS connectivity with Azure using Logic Apps Connect your on-premises system to Azure securely Get to know more about Logic Apps and how to connect to on-premises "line-of-business" applications using Microsoft BizTalk Server In Detail Microsoft is focusing heavily on Enterprise connectivity so that developers can build scalable web and mobile apps and services in the cloud. In short, Enterprise connectivity from anywhere and to any device. These integration services are being offered through powerful Azure-based services. This book will teach you how to design and implement cloud integration using Microsoft Azure. It starts by showing you how to build, deploy, and secure the API app. Next, it introduces you to Logic Apps and helps you quickly start building your integration applications. We'll then go through the different connectors available for Logic Apps to build your automated business process workflow. Further on, you will see how to create a complex workflow in Logic Apps using Azure Function. You will then add a SaaS application to your existing cloud applications and create Queues and Topics in Service Bus on Azure using Azure Portal. Towards the end, we'll explore event hubs and IoT hubs, and you'll get to know more about how to tool and monitor the business workflow in Logic Apps. Using this book, you will be able to support your apps that connect to data anywhere—be it in the cloud or on-premises. Style and approach This practical hands-on tutorial

shows you the full capability of App Service and other Azure-based integration services to build scalable and highly available web and mobile apps. It helps you successfully build and support your applications in the cloud or on-premises successfully. We'll debunk the popular myth that switching to cloud is risky—it's not!

Lees' Loss Prevention in the Process Industries

Develop machine learning and deep learning models with Python

Design, Construction, Maintenance, Integrity, and Repair

Core Java

Java Network Programming

Analysis and Fate of Surfactants in the Aquatic Environment

Pro Drupal 7 Development updates the most popular development reference for the release of Drupal 7. With several new and completely-rewritten essential APIs and improvements in Drupal 7, this book will not only teach developers how to write modules ranging from simple to complex, but also how Drupal itself works. Learn the Drupal APIs and major changes in Drupal 7 Learn how to write Drupal modules using the APIs Learn proper development practices and how to become a contributing community member

First Processing book on the market Processing is a nascent technology rapidly increasing in popularity Links with the creators of Processing will help sell the book

An understanding of the fate and behaviour of organic chemicals, such as surfactants, in the environment is a prerequisite for the sustainable development of human health and ecosystems. As surfactants are being produced in huge amounts, it is important to have a detailed knowledge about their lifetime in the environment, their biodegradability in wastewater treatment plants and in natural waters, and their ecotoxicity. Parameters relevant for the assessment of long-term behaviour, such as interactions with hormonal systems need to be understood to avoid unexpected adverse effects to future generations of people and the environment. However, the identification and quantification of commercial surfactants in the environment is made more complicated and cumbersome because they comprise of tens to hundreds of homologues, oligomers and isomers of anionic, nonionic, cationic and amphoteric compounds. The EU-funded PRISTINE project (Priority surfactants and their toxic metabolites in wastewater effluents: An integrated study; ENV4-CT97-0494) provides the basis for the content of this title. It provides policy makers and industry with detailed information on analysis and concentrations of surfactants and their degradation products in the environment. In addition to a general introduction to surfactants, this book

comprises a comprehensive variety of analytical techniques, including sample handling, for the analysis of surfactants in the aquatic environment. Readers will find all the necessary information for analyzing the different groups of surfactants, with special emphasis on transformation products. Quality assurance is also reported on in detail. Chapters on toxicity and risk assessment are also included and give a complete perspective on the surfactants problem in the aquatic environment. · Presents the finding of EU-funded research into fate and behaviour of organic chemicals in the environment · Comprises a comprehensive variety of analytical techniques, including sample handling, for the analysis of surfactants in the aquatic environment · Provides relevant information to all groups working in the field of surfactants

Safety in the process industries is critical for those who work with chemicals and hazardous substances or processes. The field of loss prevention is, and continues to be, of supreme importance to countless companies, municipalities and governments around the world, and Lees' is a detailed reference to defending against hazards. Recognized as the standard work for chemical and process engineering safety professionals, it provides the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing three volume reference instead. The process safety encyclopedia, trusted worldwide for over 30 years Now available in print and online, to aid searchability and portability Over 3,600 print pages cover the full scope of process safety and loss prevention, compiling theory, practice, standards, legislation, case studies and lessons learned in one resource as opposed to multiple sources

East coast of Siberia, Sakhalin Island and Korea

Pressure Vessel and Piping Codes and Standards--2002

Autodesk Inventor 2021 Programming Interface

A Study

Robust Cloud Integration with Azure

Guidelines for Initiating Events and Independent Protection Layers in Layer of Protection Analysis

This book emphasizes using VC++ tools and wizards to generate code. Code examples are augmented with C++ language sidebars. Readers who need a refresher on the language or want to go further "under the hood" will have a context, while those who don't can easily skip that coverage. The revision includes more information throughout on Microsoft Foundation Classes (MFC).

Core Java® has long been recognized as the leading, no-nonsense tutorial and reference for experienced programmers who want to write robust Java code for real-world applications. Now, Core Java®, Volume I-Fundamentals, Tenth Edition, has been extensively updated to reflect the most eagerly awaited and innovative version of Java in years: Java SE 8. Rewritten and reorganized to illuminate new Java SE 8 features, idioms, and best practices, it contains hundreds of example programs—all carefully crafted for easy understanding and practical applicability. Writing for serious programmers solving real-world problems, Cay Horstmann helps you achieve a deep understanding of the Java language and library. In this first volume of the two-volume work, Horstmann focuses on fundamental language concepts and the foundations of modern user interface programming. You'll find in-depth coverage of topics ranging from Java object-oriented programming to generics, collections, lambda expressions, Swing UI design, and the latest approaches to concurrency and functional programming. This guide will help you Leverage your existing programming knowledge to quickly master core Java syntax Understand how encapsulation, classes, and inheritance work in Java Master interfaces, inner classes, and lambda expressions for functional programming Improve program robustness with exception handling and effective debugging Write safer, more readable programs with generics and strong typing Use pre-built collections to collect multiple objects for later retrieval Master concurrent programming techniques from the ground up Build modern cross-platform GUIs with standard Swing components Deploy configurable applications and applets, and deliver them across the Internet Simplify concurrency and enhance performance with new functional techniques If you're an experienced programmer moving to Java SE 8, Core Java®, Tenth Edition, will be your reliable, practical companion—now and for many years to come. Look for the companion volume, Core Java®, Volume II-Advanced Features, Tenth Edition (ISBN-13: 978-0-13-417729-8), for coverage of Java 8 streams, input and output, XML, databases, annotations, and other advanced topics. Register your product or convenient access to downloads, updates, and corrections as they become available. See inside the book for information. A guide to designing and building applications for Windows 2000 covers Microsoft foundation classes, application resources, dialog boxes, registry operations, memory management, network programming, security, and multimedia operations

Annotation This volume of proceedings from the August 2002 conference presents developments affecting pressure vessel and piping codes and standards. The 36 papers discuss plastic analysis in pressure vessel design, environmental fatigue issues, the structural integrity of pressure components, and recent changes in Section III rules for seismic piping design. Topics include the effects of local peak stress distribution on the ratchet limit, fatigue design curves for austenitic stainless steels in light water reactor environments, new common design rules for u-tube heat exchangers, and simulation of excessive deformation of piping due to seismic and weight loads. No subject index. Annotation c. Book News, Inc., Portland, OR (booknews.com). Applied Metallurgy and Corrosion Control

Learn to build and deploy robust JavaScript applications using Cucumber, Mocha, Jenkins, Docker, and Kubernetes

Building Enterprise JavaScript Applications

A Complete Verse Concordance to the Non-dramatic Poetry of Ben Jonson

C# in a Nutshell

Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key Features Create production-grade JavaScript applications from scratch Build microservices and deploy them to a Docker container for scaling applications Test and deploy your code with confidence using Travis CI Book Description With the over-abundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learn Practice Test-Driven Development (TDD) throughout the entire book Use Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests Build stateless APIs using Express and Elasticsearch Document your API using OpenAPI and Swagger Build and bundle front-end applications using React, Redux and Webpack Containerize services using Docker Deploying scalable microservices using Kubernetes Who this book is for If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.

Java Network Programming, Third Edition, brings you up-to-date with the latest features of Java's network APIs. This book discusses all the changes and additions to networking in JDK 1.4 and 1.5 (now christened J2SE 5). It covers everything from networking fundamentals to remote method invocation (RMI), including chapters on TCP and UDP sockets, server sockets, URLs and URIs, multicasting, and special-purpose APIs such as JavaMail. This book shows you how to use JSSE to write secure networking applications and explains how to use the NIO APIs to write ultra high-performance servers. And it covers Java's support for network proxies, web cookies, and URL caching. Java Network

Programming doesn't just explain the APIs: it shows you how to put them to work. This book is full of examples; it contains thousands of lines of working code (all of which are available online), implementing fully functional network clients and servers. Whether you want to write a special-purpose web server, a secure online order taker, a simple multicast agent, or even an email client, you'll find code that you can learn from and borrow. Whether you're an experienced network developer, a new Java programmer, or someone who just wants to see what's possible, you'll find that Java Network Programming, Third Edition is an important part of your library. Once you've started using the Java Networking APIs, the possibilities are only limited by your imagination.

Pro Oracle Spatial for Oracle Database 11g

Practical Guide to Construction, Inspection, and Testing