

## Weak D Case Study Api Pt

*Biomass pyrolysis has been practised for centuries in the manufacture of charcoal for industry and leisure. Only in the last two decades, however, has attention focussed on a better understanding of the science and technology, with the resultant benefits of better designed and controlled processes that give high yields of liquid products. These liquids, or 'bio-oil' as it is referred to, can be used in a variety of ways: -combustion to replace conventional fuel oil in boilers, process equipment such as kilns and in gas turbines for power generation; -upgrading by hydrotreating or with zeolites to gasoline, diesel and other hydrocarbon fuels, of chemicals; --extraction and upgrading to fuel additives and chemical specialities. Any charcoal produced can also be utilised to form char- water slurries, analogous to coal-water slurries, or bioi-oil slurries which may be used as liquid fuels in many combustion applications. A group of experts was set up in the EC Energy from Biomass programme to evaluate the status and opportunities for deriving useful liquid products from biomass pyrolysis. This book is a report of their findings and conclusions. It forms an authoritative guide to the wide range of technologies employed in biomass pyrolysis, and product upgrading, utilisation and characterisation. Recommendations and conclusions are included to identify promising areas of research and development that will be of value to researchers, planners and companies throughout the world.*

*This book constitutes the proceedings of the First International Workshop on future Internet Testing, FITTEST 2013, held in Turkey, Istanbul, in November 2013, in conjunction with the International Conference on Testing Software and Systems (ICTSS). The volume presents a total of 7 contributions; 5 full papers which were selected from 8 submissions, as well as a paper on the Java Unit Test Competition and a summary of the achievements of the FITTEST project.*

*This book offers a new approach for theorising and undertaking childhood research. It combines insights from childhood and generational studies with object-oriented ontologies, new materialisms, critical race and gender theories to address a range of key, intractable challenges facing children and young people. Bringing together traditional social-scientific research methods with techniques from digital media studies, archaeology, environmental nanoscience and the visual arts, *After Childhood: Re-thinking Environment, Materiality and Media in Children's Lives* presents a way of doing childhood research that sees children move in and out of focus. In doing so, children and their experiences are not completely displaced; rather, new perspectives on concerns facing children around the world are unravelled which dominant approaches to childhood studies have not yet fully addressed. The book draws on the author's detailed case studies from his research in historical and geographical contexts. Examples range from British children's engagement with plastics, energy and other matter, to the positioning of diverse Brazilian young people in environmental and resource challenges, and from archaeological evidence about childhoods in the USA and Europe to the global circulation of children's toys through digital media. The book will appeal to human geographers, sociologists, anthropologists, education studies scholars and others working in the interdisciplinary field of childhood studies, as well as to anyone looking for a range of novel, interdisciplinary frames for thinking about childhood.*

*6th Refinement Workshop*

*Choosing Courage*

*Creating Maintainable APIs*

*Software Business*

*Hazardous Materials: Managing the Incident*

*Digital Technologies and Applications*

*The Development of Component-based Information Systems*

**The value of echocardiography in the diagnostic work-up of patients with suspected acute pulmonary embolism.- New developments in the thrombolytic therapy of venous thrombosis.- Mechanism of blood coagulation. Newer aspects of anticoagulant and antithrombotic therapy.MR-angiography in the diagnosis of pulmonary embolism.Scintigraphy-ventilation/perfusion scanning and imaging of the embolus.- Clinical course and prognosis of acute pulmonary embolism.- The molecular mechanisms of inherited thrombophilia.**

**Annotation Featuring 26 technical papers by engineers from Brazil, the Czech Republic, Iran, Japan, Korea, the United Kingdom, Germany, and the United States, this volume represents the proceedings of the August 2002 conference in Vancouver, British Columbia. The papers discuss meshless methods, novel fracture mechanics methods, damage mechanics, probabilistic methods, high-temperature mechanics, and creep damage and fatigue. Graphs, charts, diagrams, photographs, and other visual displays of information support the text throughout. Only authors are listed in the index. Annotation c. Book News, Inc., Portland, OR (booknews.com). First published in 1998. Looking at the architecture and engineering of tubular structures, and the behaviour of section joints, members and frames under different loads and conditions, this book provides a reference point for both civil and mechanical engineers.**

**Third International Conference, Held as Part of the Services Conference Federation, SCF 2020, Honolulu, HI, USA, September 18-20, 2020, Proceedings**

**After Childhood**

**Future Internet Testing**

**Current Issues and Future Challenges**

**A Land Use Bibliography of North Carolina**

**Principles of Extreme Mechanics (XM) in Design for Reliability (DfR)**

**Energy Abstracts for Policy Analysis**

*Hacking APIs is a crash course in web API security testing that will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. Hacking APIs is a crash course on web API security testing that*

*will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. You'll learn how REST and GraphQL APIs work in the wild and set up a streamlined API testing lab with Burp Suite and Postman. Then you'll master tools useful for reconnaissance, endpoint analysis, and fuzzing, such as Kiterunner and OWASP Amass. Next, you'll learn to perform common attacks, like those targeting an API's authentication mechanisms and the injection vulnerabilities commonly found in web applications. You'll also learn techniques for bypassing protections against these attacks. In the book's nine guided labs, which target intentionally vulnerable APIs, you'll practice:*

- Enumerating APIs users and endpoints using fuzzing techniques
- Using Postman to discover an excessive data exposure vulnerability
- Performing a JSON Web Token attack against an API authentication process
- Combining multiple API attack techniques to perform a NoSQL injection
- Attacking a GraphQL API to uncover a broken object level authorization vulnerability

*By the end of the book, you'll be prepared to uncover those high-payout API bugs other hackers aren't finding and improve the security of applications on the web.*

*This book constitutes the refereed proceedings of the 8th International Conference on Software Business, ICSOB 2017, held in Essen, Germany, in June 2017. The 11 full papers and 5 short papers presented in this volume were carefully reviewed and selected from 30 submissions. They were organized in topical sections named: software startups and platform governance; software business development; software ecosystems and App stores.*

*Solid State Development and Processing of Pharmaceutical Molecules A guide to the latest industry principles for optimizing the production of solid state active pharmaceutical ingredients Solid State Development and Processing of Pharmaceutical Molecules is an authoritative guide that covers the entire pharmaceutical value chain. The authors—noted experts on the topic—examine the importance of the solid state form of chemical and biological drugs and review the development, production, quality control, formulation, and stability of medicines. The book explores the most recent trends in the digitization and automation of the pharmaceutical production processes that reflect the need for consistent high quality. It also includes information on relevant regulatory and intellectual property considerations. This resource is aimed at professionals in the pharmaceutical industry and offers an in-depth examination of the commercially relevant issues facing developers, producers and distributors of drug substances. This important book: Provides a guide for the effective development of solid drug forms Compares different characterization methods for solid state APIs Offers a resource for understanding efficient production methods for solid state forms of chemical and biological drugs Includes information on automation, process control, and machine learning as an integral part of the development and production workflows Covers in detail the regulatory and quality control aspects of drug development Written for medicinal chemists, pharmaceutical industry professionals, pharma engineers, solid state chemists, chemical engineers, Solid State Development and Processing of Pharmaceutical Molecules reviews information on the solid state of active pharmaceutical ingredients for their efficient development and production.*

*Proceedings*

*Mastering Modern Web Penetration Testing*

*The Everyday Guide to Being Brave at Work*

*Traditional Fields of Agricultural Economics, 1940s to 1970s*

*2nd International Symposium on Fuels and Lubricants (Vol I)*

*13th International Conference, BDAS 2017, Ustroń, Poland, May 30 - June 2, 2017, Proceedings*

*Biomass Pyrolysis Liquids Upgrading and Utilization*

**A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In *Data Feminism*, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever “speak for themselves.” *Data Feminism* offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But *Data Feminism* is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.**

**This book constitutes the proceedings of the Third International Conference on Blockchain, ICBC 2020, held as part of SCF 2020, during September 18-20, 2020. The conference was planned to take place in Honolulu, HI, USA and was changed to a virtual format due to the COVID-19 pandemic. The 14 full paper and 1 short paper presented were carefully reviewed and selected from 26 submissions. They deal with all topics regarding blockchain technologies, platforms, solutions and business models, including new blockchain architecture, platform constructions, blockchain development and blockchain services technologies as well as standards, and blockchain services innovation lifecycle including enterprise modeling, business consulting, solution creation, services orchestration, services optimization, services management, services marketing, business process integration and management.**

**This book presents Volume 1 of selected research papers presented at the Second International Conference on**

**Digital Technologies and Applications (ICDTA 22), held at Sidi Mohamed Ben Abdellah University, Fez, Morocco, on January 28-30, 2022. This book highlights the latest innovations in digital technologies as: artificial intelligence, Internet of Things, embedded systems, network technology, information processing and their applications in several areas as hybrid vehicles, renewable energy, mechatronics, medicine... This book will encourage and inspire researchers, industry professionals, and policymakers to put these methods into practice.**  
**Tourism in Pacific Islands**

**A Challenge for Hemostasiology**

**Proceedings of ICDTA'22, Fez, Morocco. Volume 1**

**Conference on Satellite/Remote Sensing and Applications**

**17th International Workshop, Cambridge, UK, April 1-3, 2009. Revised Selected Papers**

**First International Workshop, FITTEST 2013, Istanbul, Turkey, November 12, 2013, Revised Selected Papers With Special Emphasis on Recent Advances in Materials Characterization and Experimentation Techniques**

This book constitutes the thoroughly refereed post-proceedings of the 17th International Workshop on Security Protocols, SP 2009, held in Cambridge, UK, in April 2009. The 17 revised full papers presented together with edited transcriptions of some of the discussions following the presentations have gone through multiple rounds of reviewing, revision, and selection. The theme of this workshop was "Brief Encounters". In the old days, security protocols were typically run first as preliminaries to, and later to maintain, relatively stable continuing relationships between relatively unchanging individual entities. Pervasive computing, e-bay and second life have shifted the ground: we now frequently desire a secure commitment to a particular community of entities, but relatively transient relationships with individual members of it, and we are often more interested in validating attributes than identity. The papers and discussions in this volume examine the theme from the standpoint of various different applications and adversaries.

Your one stop guide to automating infrastructure security using DevOps and DevSecOps Key FeaturesSecure and automate techniques to protect web, mobile or cloud servicesAutomate secure code inspection in C++, Java, Python, and JavaScriptIntegrate security testing with automation frameworks like fuzz, BDD, Selenium and Robot FrameworkBook Description Security automation is the automatic handling of software security assessments tasks. This book helps you to build your security automation framework to scan for vulnerabilities without human intervention. This book will teach you to adopt security automation techniques to continuously improve your entire software development and security testing. You will learn to use open source tools and techniques to integrate security testing tools directly into your CI/CD framework. With this book, you will see how to implement security inspection at every layer, such as secure code inspection, fuzz testing, Rest API, privacy, infrastructure security, and web UI testing. With the help of practical examples, this book will teach you to implement the combination of automation and Security in DevOps. You will learn about the integration of security testing results for an overall security status for projects. By the end of this book, you will be confident implementing automation security in all layers of your software development stages and will be able to build your own in-house security automation platform throughout your mobile and cloud releases. What you will learnAutomate secure code inspection with open source tools and effective secure code scanning suggestionsApply security testing tools and automation frameworks to identify security vulnerabilities in web, mobile and cloud servicesIntegrate security testing tools such as OWASP ZAP, NMAP, SSLyze, SQLMap, and OpenSCAPImplement automation testing techniques with Selenium, JMeter, Robot Framework, Gauntlt, BDD, DDT, and Python unittestExecute security testing of a Rest API Implement web application security with open source tools and script templates for CI/CD

integrationIntegrate various types of security testing tool results from a single project into one dashboardWho this book is for The book is for software developers, architects, testers and QA engineers who are looking to leverage automated security testing techniques.

This work provides a comprehensive overview of research and practical issues relating to component-based development information systems (CBIS). Spanning the organizational, developmental, and technical aspects of the subject, the original research included here provides fresh insights into successful CBIS technology and application. Part I covers component-based development methodologies and system architectures. Part II analyzes different aspects of managing component-based development. Part III investigates component-based development versus commercial off-the-shelf products (COTS), including the selection and trading of COTS products.

Breaking Web Application Programming Interfaces

Cumulated Index Medicus

New and Emerging Computational Methods

June 25-29, 1984, Clearwater Beach, Fla

Tools and techniques for automated security scanning and testing in DevSecOps

Chemical Engineering in the Pharmaceutical Industry, Active Pharmaceutical Ingredients

Salts, Cocrystals, and Polymorphism

Master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does!

About This Book This book covers the latest technologies such as Advance XSS, XSRF, SQL Injection, Web API testing, XML attack vectors, OAuth 2.0 Security, and more involved in today's web applications Penetrate and secure your web application using various techniques Get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers Who This Book Is For This book is for security professionals and penetration testers who want to speed up their modern web application penetrating testing. It will also benefit those at an intermediate level and web developers who need to be aware of the latest application hacking techniques. What You Will Learn Get to know the new and less-publicized techniques such PHP Object Injection and XML-based vectors Work with different security tools to automate most of the redundant tasks See different kinds of newly-designed security headers and how they help to provide security Exploit and detect different kinds of XSS vulnerabilities Protect your web application using filtering mechanisms Understand old school and classic web hacking in depth using SQL Injection, XSS, and CSRF Grasp XML-related vulnerabilities and attack vectors such as XXE and DoS techniques Get to know how to test REST APIs to discover security issues in them In Detail Web penetration testing is a growing, fast-moving, and absolutely critical field in information security. This book executes modern web application attacks and utilises cutting-edge hacking techniques with an enhanced knowledge of web application security. We will cover web hacking techniques so you can explore the attack vectors during penetration tests. The book encompasses the latest technologies such as OAuth 2.0, Web API testing methodologies and XML vectors used by hackers. Some lesser discussed attack vectors such as RPO (relative path overwrite), DOM clobbering, PHP Object Injection and etc. has been

covered in this book. We'll explain various old school techniques in depth such as XSS, CSRF, SQL Injection through the ever-dependable SQLMap and reconnaissance. Websites nowadays provide APIs to allow integration with third party applications, thereby exposing a lot of attack surface, we cover testing of these APIs using real-life examples. This pragmatic guide will be a great benefit and will help you prepare fully secure applications. Style and approach This master-level guide covers various techniques serially. It is power-packed with real-world examples that focus more on the practical aspects of implementing the techniques rather going into detailed theory.

This book constitutes the refereed proceedings of the 13th International Conference entitled Beyond Databases, Architectures and Structures, BDAS 2017, held in Ustro?, Poland, in May/June 2017. It consists of 44 carefully reviewed papers selected from 118 submissions. The papers are organized in topical sections, namely big data and cloud computing; artificial intelligence, data mining and knowledge discovery; architectures, structures and algorithms for efficient data processing; text mining, natural language processing, ontologies and semantic web; bioinformatics and biological data analysis; industrial applications; data mining tools, optimization and compression.

This is the second volume in the comprehensive three-volume work A Survey of Agricultural Economics Literature, published for the American Agricultural Economics Association. The general editor, Lee R. Martin, was a professor of agricultural economics at the University of Minnesota. The work will have wide use for reference, review, or study by students, agricultural economists, general economists, and other social scientists.

Tubular Structures VIII

A Practical, Case-Study Approach

Driver Selection Tests and Measurement

Library of Congress Catalog

Solid State Development and Processing of Pharmaceutical Molecules

Security Protocols XVII

Asphaltene Deposition

***The purpose of this Special Issue is to create an an academic platform whereby high-quality research papers are published on the applications of innovative AI algorithms to transportation planning and operation. The authors present their original research articles related to the applications of AI or machine-learning techniques to transportation planning and operation. The topics of the articles encompass traffic surveillance, traffic safety, vehicle emission reduction, congestion management, traffic speed forecasting, and ride sharing strategy.***

***A Complete Training Solution for Hazardous Materials Technicians and Incident Commanders! In 1982, the authors Mike Hildebrand and Greg Noll, along with Jimmy Yvorra, first introduced the concept of the Eight-Step Process© for managing hazardous materials incidents when their highly regarded manual, Hazardous Materials:***

**Managing the Incident was published. Now in its Fourth Edition, this text is widely used by fire fighters, hazmat teams, bomb squads, industrial emergency response teams, and other emergency responders who may manage unplanned hazardous materials incidents. As a result of changing government regulations and consensus standards, as well as the need for terrorism response training, Mr. Noll and Mr. Hildebrand have modified and refined their process of managing hazmat incidents and added enhanced content, tips, case studies, and detailed charts and tables. The Fourth Edition contains comprehensive content covering:**

- Hazard assessment and risk evaluation
- Identifying the problem and implementing the response plan
- Hazardous materials properties and effects
- Identifying and coordinating resources
- Decontamination procedures
- The Eight-Step Process©
- Personal protective equipment selection
- Procedures for terminating the incident

**The Fourth Edition's dynamic features include:**

- Knowledge and Skills Objectives correlated to the 2013 Edition of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents
- ProBoard Assessment Methodology Matrices for the Hazardous Materials Technician and Hazardous Materials Incident Commander levels
- Correlation matrix to the National Fire Academy's Fire and Emergency Services Higher Education (FESHE) Bachelor's (Non- Core) Managerial Issues in Hazardous Materials Course Objectives
- Realistic, detailed case studies
- Practical, step-by-step skill drills
- Important hazardous materials technician and safety tips

**"TRB's Commercial Truck and Bus Safety Synthesis Program (CTBSSP) Synthesis 21: Driver Selection Tests and Measurement synthesizes information on the use of tests, measurements, and other assessment methods used by commercial truck and bus companies in the driver selection process. The report also identifies and describes driver selection methods and instruments and their potential usefulness in predicting driver crash risk."--Publisher's description.**

**Hacking APIs**

**Applications to Fracture, Damage, and Reliability : Presented at the 2002 ASME Pressure Vessels and Piping Conference : Vancouver, British Columbia, Canada, August 5-9, 2002**

**Data Feminism**

**Proceedings of the 6th Refinement Workshop, organised by BCS-FACS, London, 5-7 January 1994**

**Structural change, fundamentals, and growth : a framework and case studies**

**Alaska OCS (Outer Continental Shelf) Socioeconomic Studies Program: Prudhoe Bay Case Study, Technical Report B1#4; Beaufort Sea Region Petroleum Development Scenarios, Technical Report Executive Summary B1#6a; Beaufort Sea Region Man-made Environment, Technical Report B1#8; Beaufort Sea Region Sociocultural**



**Systems, Technical Report B1#9; Beaufort Sea Region Natural Physical Environment, Technical Report B1#10; Beaufort Sea Region Socioeconomic Baseline, Technical Report B1#11; Beaufort Sea Region Socioeconomic Baseline, Technical Report B1#11a; Anchorage Socioeconomic and Physical Baseline, Technical Report B1#12; Beaufort Sea Petroleum Development Scenarios, Impacts on Anchorage, Technical Report B1#13; Alyeska-Fairbanks Case Study, Technical Report B1#14; Beaufort Sea Region Governance Study, Technical Report B1#16; Beaufort Sea Petroleum Development Scenarios, Economic and Demographic Impacts, Technical Report B1#18; Beaufort Sea Petroleum Development Scenarios, Man Made Environmental Impacts, Technical Report B1#19; Beaufort Sea Petroleum Development Scenarios, Transportation Impacts, Technical Report B1#20; Beaufort Sea Petroleum Development Scenarios, Natural Physical Environment Impacts, Technical Report B1#21; Beaufort Sea Petroleum Development Scenarios, Sociocultural Impacts, Technical Report B1#22; Beaufort Sea Petroleum Development Scenarios, Summary of Socioeconomic Impacts, Technical Report B1#23; Second Program Summary Report, Technical Report B1#25; Developing Predictors of Community and Population Change, Technical Report B1#26; Socioeconomic Impacts of Selected Foreign OCS (Outer Continental Shelf) Development, Technical Report B1#28; Lower Cook Inlet Petroleum Development Scenarios, Commercial Fishing Industry Analysis, Technical Report B1, Bering-Norton Petroleum Development Scenarios, Economic and Demographic Analysis, Technical Report B12 Bering-Norton Petroleum Development Scenarios, Sociocultural Systems Analysis, Technical Report B1#54(v.1); Monitoring Oil Exploration Activities in the Lower Cook Inlet, Technical Report B17 Small Community Population Impact Model, Special Report B2#4; BLM Studies, Reference Papers B3#1; Physical Characteristics, Reference Papers B3#2; Biotic Resources, Reference Papers B3#3; Economic Development, Reference Papers B3#4; Sociological Resources, Reference Papers B3#5; Marine Food Web, Reference Papers B3#6; Oil and Gas Operations, Reference Papers B3#7; Policy Requirements and Controls, Reference Papers B3#8; Energy Alternatives, Reference Papers B3#9; Bering Sea/Norton Sound Petroleum Development Scenarios, Forecast of Conditions Without the Planned Lease Sale, Impact Analysis B4; Bering Sea Cultural Resources, Technical Paper**

Pacific Island Countries have been shown to be especially vulnerable to such external influences as natural disasters, political unrest and downturns in the global economy and their tourism industries have been notably affected. In particular, they typically have a narrow resource base and a fragile and often vulnerable natural environment. While there is some research on islands and small states, there is a dearth of information on the South Pacific and very little research is being undertaken in the region compared to other geographical regions in the world. This volume brings together current work in Pacific Island tourism. In this collection, three main themes arise: Images of the South Pacific; Socio-economic Impacts of Tourism; and Pacific Island Countries and the Outside World. The first focus is on the question of image, namely, stereotypes of a destination held by tourists and potential tourists, the extent to which residents, for their part, really welcome visitors, and the role tourism might play in changing pre-established images. The second theme is tourism's impacts, notably the economic and socio-

cultural effects of international tourism's intrusion in the region which, though often hotly debated, have attracted relatively little empirical research. The third focus is on the challenges of how PICs articulate with their external geo-political and physical environment. These involve existing relations with formal colonial centres, geographical isolation, the need for greater air access to the outside world and for more tourists, and the continuing threat to several PICs of global warming, which increased air travel will inevitably exacerbate. This text will be of interest to tourism students, researchers and academics in the fields of tourism, development studies and cultural studies.

Driver Selection Tests and Measurement Transportation Research Board

An inspirational, practical, and research-based guide for standing up and speaking out skillfully at work. Have you ever wanted to disagree with your boss? Speak up about your company's lack of diversity or unequal pay practices? Make a tough decision you knew would be unpopular? We all have opportunities to be courageous at work. But since courage requires risk—to our reputations, our social standing, and, in some cases, our jobs—we often fail to act, which leaves us feeling powerless and regretful for not doing what we know is right. There's a better way to handle these crucial moments—and *Choosing Courage* provides the moral imperative and research-based tactics to help you become more competently courageous at work. Doing for courage what Angela Duckworth has done for grit and Brene Brown for vulnerability, Jim Detert, the world's foremost expert on workplace courage, explains that courage isn't a character trait that only a few possess; it's a virtue developed through practice. And with the right attitude and approach, you can learn to hone it like any other skill and incorporate it into your everyday life. Full of stories of ordinary people who've acted courageously, *Choosing Courage* will give you a fresh perspective on the power of voicing your authentic ideas and opinions. Whether you're looking to make a mark, stay true to your values, act with more integrity, or simply grow as a professional, this is the guide you need to achieve greater impact at work.

Books: subjects; a cumulative list of works represented by Library of Congress printed cards

AI-Based Transportation Planning and Operation

Beyond Databases, Architectures and Structures. Towards Efficient Solutions for Data Analysis and Knowledge Representation

Gulf of Mexico Sales 157 and 161, Central and Western Planning Areas, Outer Continental Shelf (OCS (Outer Continental Shelf)) Oil and Gas Lease [AL,TX,MS,LA]

Proceedings - Offshore Technology Conference

Acute Pulmonary Embolism

1995 Central and Western Gulf of Mexico Outer Continental Shelf (OCS (Outer Continental Shelf)) Oil and Gas Lease Sales 152 and 155, Central and Western Planning Areas

**A guide to the development and manufacturing of pharmaceutical products written for professionals in the industry, revised second edition** The revised and updated second edition of *Chemical Engineering in the Pharmaceutical Industry* is a practical book that highlights chemistry and chemical engineering. The book's regulatory quality strategies target the development and manufacturing of pharmaceutically active ingredients of pharmaceutical products. The expanded second edition contains revised content with many new case studies and additional example calculations that are of interest to chemical engineers. The 2nd Edition is divided into two separate books: 1) *Active Pharmaceutical Ingredients (API's)* and 2) *Drug Product Design, Development and Modeling*. The active pharmaceutical ingredients book puts the focus on

the chemistry, chemical engineering, and unit operations specific to development and manufacturing of the active ingredients of the pharmaceutical product. The drug substance operations section includes information on chemical reactions, mixing, distillations, extractions, crystallizations, filtration, drying, and wet and dry milling. In addition, the book includes many applications of process modeling and modern software tools that are geared toward batch-scale and continuous drug substance pharmaceutical operations. This updated second edition:

- Contains 30 new chapters or revised chapters specific to API, covering topics including: manufacturing quality by design, computational approaches, continuous manufacturing, crystallization and final form, process safety
- Expanded topics of scale-up, continuous processing, applications of thermodynamics and thermodynamic modeling, filtration and drying
- Presents updated and expanded example calculations
- Includes contributions from noted experts in the field

Written for pharmaceutical engineers, chemical engineers, undergraduate and graduate students, and professionals in the field of pharmaceutical sciences and manufacturing, the second edition of *Chemical Engineering in the Pharmaceutical Industry* focuses on the development and chemical engineering as well as operations specific to the design, formulation, and manufacture of drug substance and products.

Build straightforward and maintainable APIs to create services that are usable and maintainable.

Although this book focuses on distributed services, it also emphasizes how the core principles apply even to pure OOD and OOP constructs. The overall context of *Creating Maintainable APIs* is to classify the topics into four main areas: classes and interfaces, HTTP REST APIs, messaging APIs, and message payloads (XML, JSON and JSON API as well as Apache Avro). What You Will Learn Use object-oriented design constructs and their APIs Create and manage HTTP REST APIs Build and manage maintainable messaging APIs, including the use of Apache Kafka as a principal messaging hub Handle message payloads via JSON Who This Book Is For Any level software engineers and very experienced programmers.

Beginning with 1953, entries for Motion pictures and filmstrips, Music and phonorecords form separate parts of the Library of Congress catalogue. Entries for Maps and atlases were issued separately 1953-1955.

Fundamentals, Prediction, Prevention, and Remediation

Environmental Impact Statement

Re-thinking Environment, Materiality and Media in Children's Lives

Practical Security Automation and Testing

Blockchain - ICBC 2020

A Survey of Agricultural Economics Literature

8th International Conference, ICSOB 2017, Essen, Germany, June 12-13, 2017, Proceedings

The Sixth Refinement Workshop took place at City University in London from 5th to 7th January 1994. The present

volume includes all of the papers which were submitted and accepted for presentation, together with two papers by invited speakers. The workshops in the series have generally occurred at one year intervals but in this last case a two year period had elapsed. These workshops have established themselves as an important event in the calendar for all those who are interested in progress in the underlying theory of refinement and in the take-up by industry of the methods supported by that theory. One of the proposed themes of the sixth workshop was the reporting of successful adoption in industry of rigorous software development methods. The programme committee was perhaps slightly disappointed by the response from industry to the call in this respect. However, the recent period could be characterised as one of consolidation, when those companies which have made the decision that formal development methods are important to their business have been adopting them where appropriate and finding them to be worthwhile. On the other hand, the difficult economic climate which exists in most parts of the developed world is perhaps not the context within which companies still dubious about the benefits are going to opt for making major changes in their working practices. As global consumption of fossil fuels such as oil increases, previously abundant sources have become depleted or plagued with obstructions. Asphaltene deposition is one of such obstructions which can significantly decrease the rate of oil production. This book offers concise yet thorough coverage of the complex problem of asphaltene precipitation and deposition in oil production. It covers fundamentals of chemistry, stabilization theories and mechanistic approaches of asphaltene behavior at high temperature and pressure. Asphaltene Deposition: Fundamentals, Prediction, Prevention, and Remediation explains techniques for experimental determination of asphaltene precipitation and deposition and different modeling tools available to forecast the occurrence and magnitude of asphaltene deposition in a given oil field. It discusses strategies for mitigation of asphaltene deposition using chemical inhibition and corresponding challenges, best practices for asphaltene remediation, current research, and case studies.