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Military Review National Academies Press
This book covers all core technologies like neural networks, fuzzy systems, and evolutionary computation and their applications in the systems. Computationally intelligent system is a new concept for advanced information processing. The objective of this system is to realize a new approach for analyzing and creating flexible information processing of sensing, learning, recognizing, and action taking. Computational intelligent is a part of artificial intelligence (AI) which includes the study of versatile components to empower or encourage savvy practices in intricate and evolving situations. The computationally intelligent system highly relies on numerical information supplied by manufacturers unlike AI.

Resolving International Disputes Through Super-optimum Solutions Springer
Contains articles by marketing field's researchers and academicians. This book includes literature reviews, methodologies, empirical studies, trends, international developments, guidelines for implementation, and suggestions for theory development and testing.

Lean Development and Innovation Elsevier
Batch chemical processes, so often employed in the pharmaceutical and agrochemical fields, differ significantly from standard continuous operations in the emphasis upon time as a critical factor in their synthesis and design. With this inclusive guide to batch chemical processes, the author introduces the reader to key aspects in mathematical modeling of batch processes and presents techniques to overcome the computational complexity in order to yield models that are solvable in near real-time. This book demonstrates how batch processes can be analyzed, synthesized, and designed optimally using proven mathematical formulations. The text effectively demonstrates how water and energy aspects can be incorporated within the scheduling framework that seeks to capture the essence of time. It presents real-life case studies where mathematical modeling of batch plants has been successfully applied.

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The Software Encyclopedia 2000 World Health Organization
Explores the evolution of the goals of assessment center programs and the ways in which
assessment centers and their component parts have been used. This book differentiates between
assessment centers used for prediction, diagnoses, and development. It also explores court
cases involving assessment centers, assessor training, and more.
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Business Applications and Computational Intelligence Springer Nature
Here is the fourth of a four-volume set that constitutes the refereed proceedings of the 12th International Conference on Human-Computer Interaction, HCII 2007, held in Beijing, China, jointly with eight other thematically similar conferences. It covers business applications; learning and entertainment; health applications; work and collaboration support; web-based and mobile applications; as well as, advanced design and development support.

Review of the Space Communications Program of NASA's Space Operations Mission Directorate OECD Publishing
Using Toyota's principles for product and process development, this book focuses the implementation of the Lean system during the past 10 years in dozens of corporations across various industries. The book highlights all steps on the journey from common trouble area to remarkable results. As it is written by a manager for other managers, it contains real work discoveries and insights. The author provides case studies from many different fields of application. The reader gains insight on US and European companies that successfully streamlined their innovation and product-development processes. These companies have overcome difficult periods and major challenges thanks to the ability to innovate with new Lean methodologies and, above all, a new workplace culture and mindset. The goal of this book is to help managers successfully apply Lean principles in the innovation and development area of their company while benefitting from the author's lessons learned during his many years of capitalized experience. This book provides a comprehensive framework that supports, step-by-step, the successful application of Lean principles in the innovation and development areas of the company. Readers learn how to drastically reduce the time required to develop products and discover and eliminate hidden costs and critical waste while increasing value for customers.

Scientific and Technical Aerospace Reports Elsevier
Optimization techniques have developed into a significant area concerning industrial, economics, business, and financial systems. With the development of engineering and financial systems, modern optimization has played an important role in service-centered operations and as such has attracted more attention to this field. Meta-heuristic hybrid optimization is a newly development mathematical framework based optimization technique. Designed by logicians, engineers, analysts, and many more, this technique aims to study the complexity of algorithms and problems. Meta-Heuristics Optimization Algorithms in Engineering, Business, Economics, and Finance explores the emerging study of meta-heuristics optimization algorithms and methods and their role in innovated real world practical applications. This book is a collection of research on the areas of meta-heuristics optimization algorithms in engineering, business, economics, and finance and aims to be a comprehensive reference for decision makers, managers, engineers, researchers, scientists, financiers, and economists as well as industrialists.

High Performance and Optimum Design of Structures and Materials V Psychology Press
"This book deals with the computational intelligence field, particularly business applications adopting computational intelligence

techniques"--Provided by publisher.

OECD Public Governance Reviews Open and Connected Government Review of Thailand World Scientific
Apply business requirements to IT infrastructure and deliver a high-quality product by understanding architectures such as microservices, DevOps, and cloud-native using modern C++ standards and features Key FeaturesDesign scalable large-scale applications with the C++ programming languageArchitect software solutions in a cloud-based environment with continuous integration and continuous delivery (CI/CD)Achieve architectural goals by leveraging design patterns, language features, and useful toolsBook Description Software architecture refers to the high-level design of complex applications. It is evolving just like the languages we use, but there are architectural concepts and patterns that you can learn to write high-performance apps in a high-level language without sacrificing readability and maintainability. If you're working with modern C++, this practical guide will help you put your knowledge to work and design distributed, large-scale apps. You'll start by getting up to speed with architectural concepts, including established patterns and rising trends, then move on to understanding what software architecture actually is and start exploring its components. Next, you'll discover the design concepts involved in application architecture and the patterns in software development, before going on to learn how to build, package, integrate, and deploy your components. In the concluding chapters, you'll explore different architectural qualities, such as maintainability, reusability, testability, performance, scalability, and security. Finally, you will get an overview of distributed systems, such as service-oriented architecture, microservices, and cloud-native, and understand how to apply them in application development. By the end of this book, you'll be able to build distributed services using modern C++ and associated tools to deliver solutions as per your clients' requirements. What you will learnUnderstand how to apply the principles of software architectureApply design patterns and best practices to meet your architectural goalsWrite elegant, safe, and performant code using the latest C++ featuresBuild applications that are easy to maintain and deployExplore the different architectural approaches and learn to apply them as per your requirementSimplify development and operations using application containersDiscover various techniques to solve common problems in software design and developmentWho this book is for This software architecture C++ programming book is for experienced C++ developers looking to become software architects or develop enterprise-grade applications.

Federal Register CRC Press
he starting point for this guideline is the point at which a woman has learnt that she is living with HIV and it therefore covers key issues for providing comprehensive sexual and reproductive health and rights-related services and support for women living with HIV. As women living with HIV face unique challenges and human rights violations related to their sexuality and reproduction within their families and communities as well as from the health-care institutions where they seek care particular emphasis is placed on the creation of an enabling environment to support more effective health interventions and better health outcomes. This guideline is meant to help countries to more effectively and efficiently plan develop and monitor programmes and services that promote gender equality and human rights and hence are more acceptable and appropriate for women living with HIV taking into account the national and local epidemiological context. It discusses implementation issues that health interventions and service delivery must address to achieve gender equality and support human rights.

Quarterly Review of Military Literature Packt Publishing Ltd
This book concerns resolving conflicts on an international level. The author states that for the purposes of this book, the dispute would have to be at the level of a war, revolution, or other dispute that involves substantial bloodshed on one or more sides, rather than a dispute that merely involves words, economic competition, or non-violent conflict. The SOS Resolution is a special kind of Win-Win dispute resolution where one where both or all sides come out ahead of even their best initial expectations simultaneously. The steps and strategies of this resolution are fully explained.

Applied Mechanics Reviews IGI Global
New York City's municipal water supply system provides about 1 billion gallons of drinking water a day to over 8.5 million people in New York City and about 1 million people living in nearby Westchester, Putnam, Ulster, and Orange counties. The combined water supply system includes 19 reservoirs and three controlled lakes with a total storage capacity of approximately 580 billion gallons. The city's Watershed Protection Program is intended to maintain and enhance the high quality of these surface water sources. Review of the New York City Watershed Protection Program assesses the efficacy and future of New York City's watershed management activities. The report identifies program areas that may require future change or action, including continued efforts to address turbidity and responding to changes in reservoir water quality as a result of climate change.

Human Computer Interaction. HCI Applications and Services Springer Science & Business Media
26th European Symposium on Computer Aided Process Engineering contains the papers presented at the 26th European Society of Computer-Aided Process Engineering (ESCAPE) Event held at Portorož Slovenia, from June 12th to June 15th, 2016. Themes discussed at the conference include Process-product Synthesis, Design and Integration, Modelling, Numerical analysis, Simulation and Optimization, Process Operations and Control and Education in CAPE/PSE. Presents findings and discussions from the 26th European Society of Computer-Aided Process Engineering (ESCAPE) Event

Achieving Optimum Utilization of Ancillary Services Springer Nature
Fashion Business Cases: A Student Guide to Learning with Case Studies allows students to apply what they are learning in the classroom to real-life situations in the global fashion industry. Adapted from the Bloomsbury Fashion Business Cases (BFBC) online resource, this text will aid instructors in providing high-quality examples from scholars around the world. A mix of introductory, intermediate, and advanced cases ensure that students of all levels can develop the business, communication, and problem-solving skills required of fashion industry professionals. Topics range from corporate social responsibility and sustainable fashion to transparent brand communication and cultural sensitivity. This book is designed to foster critical and ethical thinking as students enter the fashion industry. Key Features: - 40 cases studies of introductory, intermediate, and advanced level - Learning Objectives and Business Questions included with each case - Two introductory chapters teaching students how to use case studies effectively

Consolidated Guideline on Sexual and Reproductive Health and Rights of Women Living with HIV Springer

This Open and Connected Government Review of Thailand, the first of its kind, assesses Thailand's efforts to build a government that is closer and more responsive to its citizens by using digitalisation, data and stakeholder participation to drive national development. In line with OECD good practices, the Recommendations of the Council on Digital Government Strategies (2014) and on Open Government (2017), and the OECD Digital Government Policy Framework, the review looks at institutional and legal governance, digital talent and skills, public service provision and the strategic use of technologies and data in the Thai government.

Augmented Reality, Virtual Reality, and Computer Graphics WIT Press

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Fashion Business Cases CRC Press

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Review of Marketing Research IGI Global

The 29th European Symposium on Computer Aided Process Engineering, contains the papers presented at the 29th European Symposium of Computer Aided Process Engineering (ESCAPE) event held in Eindhoven, The Netherlands, from June 16-19, 2019. It is a valuable resource for chemical engineers, chemical process engineers, researchers in industry and academia, students, and consultants for chemical industries. Presents findings and discussions from the 29th European Symposium of Computer Aided Process Engineering (ESCAPE) event

29th European Symposium on Computer Aided Chemical Engineering Lancer Publishers

The use of novel materials and new structural concepts nowadays is not restricted to highly technical areas like aerospace, aeronautical applications or the automotive industry, but affects all engineering fields including those such as civil engineering and architecture. The included contributions highlight the latest developments in design and manufacturing. Most high-performance structures require the development of a generation of new materials, which can more easily resist a range of external stimuli or react in a non-conventional manner. Particular emphasis is placed on intelligent structures and materials as well as the application of computational methods for their modelling, control and management. The book also addresses the topic of design optimisation. Contributions cover numerical methods, different optimisation techniques and new software. Optimisation problems include those related to the size, shape and topology of structures and materials. Optimisation techniques have much to offer to those involved in the design of new industrial products, as the appearance of powerful commercial computer codes has created a fertile field for the incorporation of optimisation in the design process of all engineering disciplines. The performance of structures under shock and impact loads is another area covered. The increasing need to protect civilian infrastructure and industrial facilities against unintentional loads arising from accidental impact and explosion events as well as terrorist attacks is reflected in the sustained interest worldwide. While advances have been made in recent decades, many challenges remain, such as developing more effective and efficient blast and impact mitigation approaches or assessing the uncertainties associated with large and small scale testing and validation of numerical and analytical models. The overall aim is to move towards a better understanding of the critical issues relating to the testing behaviour, modelling and analyses of protective structures against blast and impact loading. The studies contained in this volume were presented at the International Conference on High Performance and Optimum Structures and Materials Encompassing Shock and Impact Loading and address issues involving advanced types of structures, particularly those based on new concepts, and shock and impact resistance.

Artificial Intelligence in Customer Service SIAM

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