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Managing Global Innovation
UML for Real
Beyond Theory
The Earth's Inner Core
Migration and Care Labour
Structure of Atomic Nuclei
AFZ Der Wald

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El Sistema de Produccion Toyota Alpha Science Int'l Ltd.

In diesem Buch thematisiert die Professoren der accadis Hochschule die Auswirkungen der Digitalisierung auf ihre Fachbereiche: Notwendige Umbrüche der Wirtschaftsethik, Auswirkungen künstlicher Intelligenz auf Marketing und Produktentwicklung, Veränderungen in der Unternehmenskommunikation, digitale Innovationen in Sport- und Gesundheitsmanagement, intelligente Distribution mit Blockchain-Technologien sowie Tokens im Finanzmarkt.

Design Methodology for Intelligent Technical Systems expert verlag

Based on empirical research of over 240 interviews the authors present new concepts and trends in global R&D management. Case studies from 18 best-practice companies give detailed answers to the most pressing challenges for mastering international innovation. "...a real tour de force, probably destined to become a standard in this field for some time to come." Professor Jeff Huang, Harvard University "A feast of delights... deserves a very wide readership." Phil Gamlen, ICI Technology - Science and Technology Policy Strategy

Management Between Strategy and Finance Cambridge University Press

Companies' decision-making and planning systems find themselves in a constant tug of war between strategic and financial considerations. The authors analyze these two opposing currents in business thinking, dissecting their differences and identifying their best practices. They also develop an approach that reconciles the two conflicting schools of thought - without watering down their differences. Schwenker und Spremann argue that both strategic and financial perspectives can serve as a compass in management's decision-making processes: Which perspective to choose depends on the phase of business. The authors distinguish four phases in the company lifecycle - phases in which the business must find the proper position, develop, grow and, ultimately, earn. In the first two phases, strategic considerations should take priority; in the latter two phases, financial considerations rule the day.

Focused Factory Basic Books

At last, here is what logistics researchers have been waiting for: a book that comprehensively encapsulates for the first time the fundamentals of modeling Logistic Operating Curves for production and storage processes. The text includes information on how they can be derived and calculated based on standard operating data. In doing so, the authors clearly demonstrate the mutual dependencies between the often contradictory logistic objectives, i.e. on the one hand low throughput times and high delivery reliability and on the other hand low WIP levels and high rates of utilization. Moreover, they also explain how these objectives can be improved using the Logistic Operating Curve Theory and why this method thus provides an interesting alternative to simulations.

Cosmic Rays and Particle Physics Springer-Verlag

The physics of highly charged ions has become an essential ingredient of many modern research fields, such as x-ray astronomy and astrophysics, controlled thermonuclear fusion, heavy ion nuclear physics, charged particle accelerator physics, beam-foil spectroscopy, creation of xuv and x-ray lasers, etc. A broad spectrum of phenomena in high-temperature laboratory and astrophysical plasmas, as well as many aspects of their global physical state and behaviour, are directly

influenced, and often fully determined, by the structure and collision properties of multiply charged ions. The growth of interest in the physics of highly charged ions, experienced especially in the last ten to fifteen years, has stimulated a dramatic increase in research activity in this field and resulted in numerous significant achievements of both fundamental and practical importance. This book is devoted to the basic aspects of the physics of highly charged ions. Its principal aim is to provide a basis for understanding the structure and spectra of these ions, as well as their interactions with other atomic particles (electrons, ions, atoms and molecules). Particular attention is paid to the presentation of theoretical methods for the description of different radiative and collision phenomena involving multiply charged ions. The experimental material is included only to illustrate the validity of theoretical methods or to demonstrate those physical phenomena for which adequate theoretical descriptions are still absent. The general principles of atomic spectroscopy are included to the extent to which they are pertinent to the subject matter.

Organizational Learning Effektive Arbeitsvorbereitung - Produktions- und Beschaffungslogistik BUSINESS/ECONOMICS

2nd Indust Divide Springer Science & Business Media

'This is the most important - and fascinating - book yet written about how the digital age will affect our world' Walter Isaacson, author of *Steve Jobs* From two leading thinkers, the widely anticipated book that describes a new, hugely connected world of the future, full of challenges and benefits which are ours to meet and harness. The New Digital Age is the product of an unparalleled collaboration: full of the brilliant insights of one of Silicon Valley's great innovators - what Bill Gates was to Microsoft and Steve Jobs was to Apple, Schmidt (along with Larry Page and Sergey Brin) was to Google - and the Director of Google Ideas, Jared Cohen, formerly an advisor to both Secretaries of State Condoleezza Rice and Hillary Clinton. Never before has the future been so vividly and transparently imagined. From technologies that will change lives (information systems that greatly increase productivity, safety and our quality of life, thought-controlled motion technology that can revolutionise medical procedures, and near-perfect translation technology that allows us to have more diversified interactions) to our most important future considerations (curating our online identity and fighting those who would do harm with it) to the widespread political change that will transform the globe (through transformations in conflict, increasingly active and global citizenries, a new wave of cyber-terrorism and states operating simultaneously in the physical and virtual realms) to the ever present threats to our privacy and security, Schmidt and Cohen outline in great detail and scope all the promise and peril awaiting us in the coming decades. A breakthrough book - pragmatic, inspirational and totally fascinating. Whether a government, a business or an individual, we must understand technology if we want to understand the future. 'A brilliant guidebook for the next century . . . Schmidt and Cohen offer a dazzling glimpse into how the new digital revolution is changing our lives' Richard Branson

Physics of Highly Charged Ions Springer Science & Business Media

In order to remain flexible and gain a lasting competitive advantage, today's organizations need to understand the process of organizational learning, and be able to adapt accordingly. This book provides an overview of the key characteristics of a learning organization, and demonstrates how all organizations can achieve their learning potential. Several case studies in the book are Asea Brown

Boveri's training systems, IBM, Volkswagen and Digital Equipment Europe. The book describes obstacles to learning and shows how they can be overcome.

Deutsche Bibliographie Routledge

Action Research is one of the most practical and down-to-earth ways of doing research into working life. Beyond Theory draws on examples and actual cases to discuss action research within the framework of the modern, and postmodern, theory of science debate. While action research has been much criticized by the traditionalists, the book reflects a convergence between action research and positions emerging out of the critique of scientific traditionalism. Discussions between these two fields of knowledge, originally so very different, can enrich both. The book will be useful not only to researchers and academics but to anyone who is interested in the role and use of knowledge in social and organizational development.

Facetten der Digitalisierung Palgrave Macmillan

Over the last decades Discrete Event Simulation has conquered many different application areas. This trend is, on the one hand, driven by an ever wider use of this technology in different fields of science and on the other hand by an incredibly creative use of available software programs through dedicated experts. This book contains articles from scientists and experts from 10 countries. They illuminate the width of application of this technology and the quality of problems solved using Discrete Event Simulation. Practical applications of simulation dominate in the present book. The book is aimed to researchers and students who deal in their work with Discrete Event Simulation and which want to inform them about current applications. By focusing on discrete event simulation, this book can also serve as an inspiration source for practitioners for solving specific problems during their work. Decision makers who deal with the question of the introduction of discrete event simulation for planning support and optimization this book provides a contribution to the orientation, what specific problems could be solved with the help of Discrete Event Simulation within the organization.

IGISOL Cambridge University Press

This book tackles the most difficult and profound open questions about life and its origins from an information-based perspective.

Integral Logistics Management Springer Science & Business Media

Si usted quiere entender como se origino el sistema de produccion Toyota y por que tiene exito, debe leer este libro. Aqui encontrara una introduccion avanzada del justo a tiempo. El mundo le debe mucho a Taiichi Ohno. Nos ha demostrado como fabricar con mayor eficacia, como reducir costos, como producir una mayor calidad, y a examinar atentamente como nosotros, en nuestra calidad de seres humanos, trabajamos en una fabrica. El relato que Ohno cuenta en este libro es brillante. Deberia ser leido por todos los gerentes. No es solo un relato acerca de la fabricacion; sino tambien sobre como dirigir exitosamente una empresa.

Use Cases of Discrete Event Simulation Springer Science & Business Media

The IGISOL group at the University of Jyväskylä studies the properties of nuclei far off the line of beta stability. These studies are performed locally at the Jyväskylä Ion Guide Isotope Separator On-Line (IGISOL) facility, as well as at a number of other laboratories such as the ISOLDE facility in CERN, at GANIL and in Helmholtzzentrum GSI, the location of the future radioactive beam facility FAIR. The

group is also actively involved in work to support the development of international future facilities EURISOL and aforementioned FAIR. This book presents carefully selected papers to portrait the work at IGISOL. Previously published in the journals *Hyperfine Interactions* and *European Physical Journal A*.

Effektive Arbeitsvorbereitung – Produktions- und Beschaffungslogistik Springer Science & Business Media

The provision of care has been widely referred to as facing a 'crisis'. International migrants are increasingly relied upon to provide care – as domestic workers, nannies, care assistants and nurses. This international volume examines the global construction of migrant care labour and how it manifests itself in different contexts.

The New Digital Age Springer Science & Business Media

Die Wettbewerbsfähigkeit der eigenen Industrie war (spätestens) seit dem 19. Jahrhundert immer wieder Gegenstand sorgenvoller Blicke auf eigene Schwächen und fremde Stärken. Am Beispiel britischer und deutscher Debatten der jüngeren Vergangenheit untersucht der Band Erfolg und Misserfolg unterschiedlicher Strategien von Maßnahmen zur Steigerung individueller Leistungsbereitschaft bis hin zu großen Reformprojekten wie dem "Thatcherismus".

Storage Ring Physics John Benjamins Publishing

The first comprehensive review of past and contemporary research on the Earth's inner core from a seismological perspective. Providing a detailed account of how seismology is used in inner core research, and suggesting avenues for further study, it is an essential resource for researchers and students studying seismology and deep Earth processes.

Blast Furnace and Steel Plant Cambridge University Press

Intelligent technical systems, which combine mechanical, electrical and software engineering with control engineering and advanced mathematics, go far beyond the state of the art in mechatronics and open up fascinating perspectives. Among these systems are so-called self-optimizing systems, which are able to adapt their behavior autonomously and flexibly to changing operating conditions. Self-optimizing systems create high value for example in terms of energy and resource efficiency as well as reliability. The Collaborative Research Center 614 "Self-optimizing Concepts and Structures in Mechanical Engineering" pursued the long-term aim to open up the active paradigm of self-optimization for mechanical engineering and to enable others to develop self-optimizing systems. This book is directed to researchers and practitioners alike. It provides a design methodology for the development of self-optimizing systems consisting of a reference process, methods, and tools. The reference process is divided into two phases the domain-spanning conceptual design and the domain-specific design and development. For the conceptual design a holistic approach is provided. Domain-specific methods and tools developed especially for the design and development of self-optimizing systems are described and illustrated by application examples. This book will enable the reader to identify the potential for self-optimization and to develop self-optimizing systems independently.

The Gougeon Brothers on Boat Construction John Wiley & Sons

The complexity of most real-time and embedded systems often exceeds that of other types of systems since, in addition to the usual spectrum of problems inherent in software, they need to deal

with the complexities of the physical world. That world—as the proverbial Mr. Murphy tells us—is an unpredictable and often unfriendly place. Consequently, there is a very strong motivation to investigate and apply advanced design methods and technologies that could simplify and improve the reliability of real-time software design and implementation. As a result, from the first versions of UML issued in the mid 1990's, designers of embedded and real-time systems have taken to UML with vigour and enthusiasm. However, the dream of a complete, model-driven design flow from specification through automated, optimised code generation, has been difficult to realise without some key improvements in UML semantics and syntax, specifically targeted to the real-time systems problem. With the enhancements in UML that have been proposed and are near standardisation with UML 2.0, many of these improvements have been made. In the Spring of 2003, adoption of a formalised UML 2.0 specification by the members of the Object Management Group (OMG) seems very close. It is therefore very appropriate to review the status of UML as a set of notations for embedded real-time systems - both the state of the art and best practices achieved up to this time with UML of previous generations - and where the changes embodied in the 2.

Industrieentwicklung Springer Science & Business Media

This volume is an outcome of a SERC School on the nuclear physics on the theme 'Nuclear Structure?'. The topics covered are nuclear many-body theory and effective interaction, collective

model and microscopic aspects of nuclear structure with emphasis on details of technique and methodology by a group of working nuclear physicists who have adequate expertise through decades of experience and are generally well known in their respective fields. This book will be quite useful to the beginners as well as to the specialists in the field of nuclear structure physics.

Fundamentals of Production Logistics Hachette UK

Purchasing .Fabrication Assembly Distribution Figure 1.1: Multi-Level Manufacturing System for Make-to-Order Products specific resources of a type, i.e., a certain machine or a single worker, the determination of the sequence operations are processed on a machine, and the assignment of start and finish times to operations. We will modify this framework to be specifically suited for multi level make-to-order manufacturing systems. We assume that the facility design issue is settled, i.e., the location and the layout of the facility as well as the capacity of the three main resource types of the company are determined. These resource types are the engineering department, the fabrication department, and the assembly department. The engineering department is concerned with the construction of new products as well as the modification and customization of existing products. This entails the generation of engineering documents such as blue prints for manufacturing. The capacity of the engineering department is determined by the count and qualification of engineers and by the availability of construction devices such as computer aided design (CAD) systems etc.

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