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KEY=SERVICE - SKYLAR CHOI

Never Far Away

Never Far Away is a short story and resource for the parent who has a child that doesn't like to separate from them when time for school or work. It has illustrative pictures and content for the parent and child to interact before they go about their day.

Parentology

Everything You Wanted to Know about the Science of Raising Children but Were Too Exhausted to Ask

Simon and Schuster **An award-winning scientist offers his unorthodox approach to childrearing: "Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions" (Amy Chua, author of Battle Hymn of the Tiger Mother). If you're like many parents, you might ask family and friends for advice when**

faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In *Parentology*, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley’s sassy kids show him the limits of his profession. *Parentology* teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You’ll be laughing and learning at the same time.

Management Information Systems

Managing the Digital Firm

Pearson Educación Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

Digital Entrepreneurship

Impact on Business and Society

Springer Nature This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how

platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. "Digitalization mirrors the Industrial Revolution's impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work." Gina O'Connor, Professor of Innovation Management at Babson College, USA "This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique "must-read" book because it goes beyond theory and provides practical examples." Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures." Felix Staeritz, CEO FoundersLane, Member of the World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany

How Tobacco Smoke Causes Disease

The Biology and Behavioral Basis for Smoking-attributable Disease : a Report of the Surgeon General

U.S. Government Printing Office This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the

production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

How Learning Works

Seven Research-Based Principles for Smart Teaching

John Wiley & Sons **Praise for How Learning Works** "How Learning Works is the perfect title for this excellent book. Drawing upon new research in psychology, education, and cognitive science, the authors have demystified a complex topic into clear explanations of seven powerful learning principles. Full of great ideas and practical suggestions, all based on solid research evidence, this book is essential reading for instructors at all levels who wish to improve their students' learning." —Barbara Gross Davis, assistant vice chancellor for educational development, University of California, Berkeley, and author, *Tools for Teaching* "This book is a must-read for every instructor, new or experienced. Although I have been teaching for almost thirty years, as I read this book I found myself resonating with many of its ideas, and I discovered new ways of thinking about teaching." —Eugenia T. Paulus, professor of chemistry, North Hennepin Community College, and 2008 U.S. Community Colleges Professor of the Year from The Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education "Thank you Carnegie Mellon for making accessible what has previously been inaccessible to those of us who are not learning scientists. Your focus on the essence of learning combined with concrete examples of the daily challenges of teaching and clear tactical strategies for faculty to consider is a welcome work. I will recommend this book to all my colleagues." —Catherine M. Casserly, senior partner, The Carnegie Foundation for the Advancement of Teaching "As you read about each of the seven basic learning principles in this book, you will find advice that is grounded in learning theory, based on research evidence, relevant to college teaching, and easy to understand. The authors have extensive knowledge and experience in applying the science of learning to college teaching, and they graciously share it with you in this organized and readable book." —From the Foreword by Richard E. Mayer, professor of psychology, University of California, Santa Barbara; coauthor, *e-Learning and the Science of Instruction*; and author, *Multimedia Learning*

Harley-Davidson XL Sportster 2014-2017

Haynes Manuals N. America, Incorporated Each Clymer manual provides specific and detailed instructions for performing everything from basic maintenance and troubleshooting to a complete overhaul of the machine. This manual covers the Harley-Davidson XL Sportster built from 2014 to 2017. Do-it-yourselfers will find this service and repair manual more comprehensive than the factory manual, making it an indispensable part of their tool box. Specific models covered include: XL883L SuperLow (2014-2017), XL883N Iron 883 (2014-2017), XL883R Roadster (2014-2015), XL1200C 1200 Custom (2014-2017), XL1200CA Custom Limited A (2014-2016), XL1200CB 1200 Custom Limited B (2014-2017), XL1200CP 1200 Custom (factory custom) (2014-2016), XL1200CX Roadster (2016-2017), XL1200T SuperLow (2014-2017), XL1200V Seventy-Two (2014-2016), and XL1200X Forty-Eight (2014-2017).

Supply Chain Management Strategy, Planning, and Operation

'Supply Chain Management' illustrates the key drivers of good supply chain management in order to help students understand what creates a competitive advantage. It also provides strong coverage of analytic skills so that students can gauge the effectiveness of the techniques described.

Pants on Fire

ReadHowYouWant.com A wonderfully witty, entertaining debut novel in the same vein as Kathy Lette, Helen Fielding and Marian Keyes. This is a light and clever women's romp set around lovable heroine Georgiana Abbot, a magazine editor from London who comes to Sydney to work as deputy editor of a girly magazine, after her heart is broken.

Nordic Nutrition Recommendations 2012

Integrating nutrition and physical

activity

Nordic Council of Ministers **The Nordic countries have collaborated in setting guidelines for dietary composition and recommended intakes of nutrients for several decades through the joint publication of the Nordic Nutrition Recommendations (NNR). This 5th edition, the NNR 2012, gives Dietary Reference Values (DRVs) for nutrients, and compared with earlier editions more emphasis has been put on evaluating the scientific evidence for the role of food and food patterns contributing to the prevention of the major diet-related chronic diseases. Recommendations on physical activity are included and interaction with physical activity has been taken into account for the individual nutrient recommendations wherever appropriate. A chapter on sustainable food consumption has been added. A Nordic perspective has been accounted for in setting the reference values. The NNR 2012 has used an evidence-based and transparent approach in assessing associations between nutrients and foods and certain health outcomes. Systematic reviews form the basis for the recommendations of several nutrients and topics, while a less stringent update has been done for others. The systematic reviews and individual chapters have been peer reviewed and the systematic reviews are published in the Food & Nutrition Research journal. The draft chapters were subject to an open public consultation. Recommendations have been changed only when sufficient scientific evidence has evolved since the 4th edition. The primary aim of the NNR 2012 is to present the scientific background of the recommendations and their application. A secondary aim is for the NNR 2012 to function as a basis for the national recommendations that are adopted by the individual**

Jesus and the Samurai

The Shining Religion and the Samurai

iUniverse **By 250 AD, Christianity had spread throughout India and China. Known as the Shining Religion or the Luminous Teaching, it drew adherents from Buddhism and Hinduism who were seeking a faith that taught the possibility of achieving a society founded on love and compassion for their fellow man. The new doctrine reached the island nation of Japan where it was so well received that Christianity threatened to supplant Buddhism as the dominant religion. By the close of the 16th century Japanese Christians numbered in the millions. Fifty years later Christianity was officially proscribed and Christians faced execution for openly practicing their faith. Jesus and the Samurai tells their fascinating**

story with facts drawn from ancient and modern sources.

Planning Algorithms

Cambridge University Press **Planning algorithms are impacting technical disciplines and industries around the world, including robotics, computer-aided design, manufacturing, computer graphics, aerospace applications, drug design, and protein folding. This coherent and comprehensive book unifies material from several sources, including robotics, control theory, artificial intelligence, and algorithms. The treatment is centered on robot motion planning, but integrates material on planning in discrete spaces. A major part of the book is devoted to planning under uncertainty, including decision theory, Markov decision processes, and information spaces, which are the 'configuration spaces' of all sensor-based planning problems. The last part of the book delves into planning under differential constraints that arise when automating the motions of virtually any mechanical system. This text and reference is intended for students, engineers, and researchers in robotics, artificial intelligence, and control theory as well as computer graphics, algorithms, and computational biology.**

Sustainable Development Goals

Harnessing Business to Achieve the SDGs through Finance, Technology and Law Reform

John Wiley & Sons **Achieving the Sustainable Development Goals through Finance, Technology and Law Reform** Achieving the SDGs requires a fundamental rethink from businesses and governments across the globe. To make the ambitious goals a reality, trillions of dollars need to be harnessed to mobilise finance and accelerate progress towards the SDGs. Bringing together leaders from the World Bank, the financial and business sectors, the startup community and academia, this important, topically relevant volume explains what the SDGs are, how they came about and how they can be accelerated. Real-world case studies and authoritative insights address how to direct investment of existing financial resources and re-align the global financial system to reflect the SDGs. In depth chapters discuss how financial institutions, such as UBS Wealth Management, Manulife Asset Management and Moody's Rating Agency are supporting the SDGs. The opportunities arising from Blockchain, Big Data, Digital Identity and cutting-edge FinTech and RegTech applications are explored, whilst the relevance of sustainable and transparent global supply chains is underscored. Significant attention is paid to law reform which can

accelerate progress of the SDGs through SME Financing, Crowdfunding, Peer-to-Peer Lending and tax restructuring. To achieve the 'World We Want', much needs to be done. The recommendations contained within this book are critical for supporting a fundamental shift in thinking from business and governments around the world, and for building a more just and prosperous future for all.

Transport Trends and Economics 2018-2019

Mobility as a Service (MaaS) is a new mobility concept gaining pace in many cities around the world. Its value proposition concerns integration of mobility services which is realized by providing trip planning and one-stop fare purchase for the user through a single platform. The MaaS vision is being enabled by advances in intelligent systems, the internet of things, cloud technology and big data management. This MaaS paper introduces and explains the MaaS concept (Chapter 1) and presents the MaaS enablers (Chapter 2 on Digital Enabler, Chapter 3 on Car-sharing and Chapter 4 on Bike-sharing) and MaaS application challenges (Chapter 5 on MaaS cost, risk and revenue challenges and Chapter 6 on MaaS infrastructure challenges). This paper was issued as Transport Trends and Economics 2018-2019 activity of the Economic Commission for Europe Working Party on Transport Trends and Economics.

No Logo

Taking Aim at the Brand Bullies

Macmillan **An analysis of the invasion of our personal lives by logo-promoting, powerful corporations combines muckraking journalism with contemporary memoir to discuss current consumer culture**

Handbook of Photovoltaic Science and Engineering

John Wiley & Sons **The most comprehensive, authoritative and widely cited reference on photovoltaic solar energy Fully revised and updated, the Handbook of Photovoltaic Science and Engineering, Second Edition incorporates the substantial technological advances and research developments in photovoltaics since its previous release. All topics relating to the photovoltaic (PV) industry are discussed with contributions by distinguished international experts in the field. Significant new coverage includes: three completely new chapters and six chapters with new authors**

device structures, processing, and manufacturing options for the three major thin film PV technologies high performance approaches for multijunction, concentrator, and space applications new types of organic polymer and dye-sensitized solar cells economic analysis of various policy options to stimulate PV growth including effect of public and private investment Detailed treatment covers: scientific basis of the photovoltaic effect and solar cell operation the production of solar silicon and of silicon-based solar cells and modules how choice of semiconductor materials and their production influence costs and performance making measurements on solar cells and modules and how to relate results under standardised test conditions to real outdoor performance photovoltaic system installation and operation of components such as inverters and batteries. architectural applications of building-integrated PV Each chapter is structured to be partially accessible to beginners while providing detailed information of the physics and technology for experts. Encompassing a review of past work and the fundamentals in solar electric science, this is a leading reference and invaluable resource for all practitioners, consultants, researchers and students in the PV industry.

Fingerprint Development Techniques Theory and Application

John Wiley & Sons **A comprehensive review of the latest fingerprint development and imaging techniques** With contributions from leading experts in the field, **Fingerprint Development Techniques** offers a comprehensive review of the key techniques used in the development and imaging of fingerprints. It includes a review of the properties of fingerprints, the surfaces that fingerprints are deposited on, and the interactions that can occur between fingerprints, surfaces and environments. Comprehensive in scope, the text explores the history of each process, the theory behind the way fingerprints are either developed or imaged, and information about the role of each of the chemical constituents in recommended formulations. The authors explain the methodology employed for carrying out comparisons of effectiveness of various development techniques that clearly demonstrate how to select the most effective approaches. The text also explores how techniques can be used in sequence and with techniques for recovering other forms of forensic evidence. In addition, the book offers a guide for the selection of fingerprint development techniques and includes information on the influence of surface contamination and exposure conditions. This important resource: Provides clear methodologies for conducting comparisons of fingerprint development technique effectiveness Contains in-depth

assessment of fingerprint constituents and how they are utilized by development and imaging processes Includes background information on fingerprint chemistry Offers a comprehensive history, the theory, and the applications for a broader range of processes, including the roles of each constituent in reagent formulations Fingerprint Development Techniques offers a comprehensive guide to fingerprint development and imaging, building on much of the previously unpublished research of the Home Office Centre for Applied Science and Technology.

Introduction to Modeling and Control of Internal Combustion Engine Systems

Springer Science & Business Media Internal combustion engines still have a potential for substantial improvements, particularly with regard to fuel efficiency and environmental compatibility. These goals can be achieved with help of control systems. Modeling and Control of Internal Combustion Engines (ICE) addresses these issues by offering an introduction to cost-effective model-based control system design for ICE. The primary emphasis is put on the ICE and its auxiliary devices. Mathematical models for these processes are developed in the text and selected feedforward and feedback control problems are discussed. The appendix contains a summary of the most important controller analysis and design methods, and a case study that analyzes a simplified idle-speed control problem. The book is written for students interested in the design of classical and novel ICE control systems.

Improving Healthcare Quality in Europe Characteristics, Effectiveness and Implementation of Different Strategies

Characteristics, Effectiveness and Implementation of Different

Strategies

OECD Publishing **This volume, developed by the Observatory together with OECD, provides an overall conceptual framework for understanding and applying strategies aimed at improving quality of care. Crucially, it summarizes available evidence on different quality strategies and provides recommendations for their implementation. This book is intended to help policy-makers to understand concepts of quality and to support them to evaluate single strategies and combinations of strategies.**

Exploring Service Science

10th International Conference, IESS 2020, Porto, Portugal, February 5–7, 2020, Proceedings

Springer Nature **This book constitutes the proceedings of the 10th International Conference on Exploring Service Science, IESS 2020, held in Porto, Portugal, in February 2020. The 28 papers presented in this volume were carefully reviewed and selected from 42 submissions. The book includes papers that extend the view on different concepts related to the development of the Service Science domain of study, applying them to frameworks, advanced technologies, and tools for the design of new, digitally-enabled service systems. This book is structured in six parts, based on the six main conference themes, as follows: Customer Experience, Data Analytics in Service, Emerging Service Technologies, Service Design and Innovation, Service Ecosystems, and Service Management.**

The Domestic and International Impacts of the 2009-H1N1 Influenza A Pandemic

Global Challenges, Global Solutions:

Workshop Summary

National Academies Press In March and early April 2009, a new, swine-origin 2009-H1N1 influenza A virus emerged in Mexico and the United States. During the first few weeks of surveillance, the virus spread by human-to-human transmission worldwide to over 30 countries. On June 11, 2009, the World Health Organization (WHO) raised the worldwide pandemic alert level to Phase 6 in response to the ongoing global spread of the novel influenza A (H1N1) virus. By October 30, 2009, the H1N1 influenza A had spread to 191 countries and resulted in 5,700 fatalities. A national emergency was declared in the United States and the swine flu joined SARS and the avian flu as pandemics of the 21st century. Vaccination is currently available, but in limited supply, and with a 60 percent effectiveness rate against the virus. The story of how this new influenza virus spread out of Mexico to other parts of North America and then on to Europe, the Far East, and now Australia and the Pacific Rim countries has its origins in the global interconnectedness of travel, trade, and tourism. Given the rapid spread of the virus, the international scientific, public health, security, and policy communities had to mobilize quickly to characterize this unique virus and address its potential effects. The World Health Organization and Centers for Disease Control have played critical roles in the surveillance, detection and responses to the H1N1 virus. The Domestic and International Impacts of the 2009-H1N1 Influenza A Pandemic: Global Challenges, Global Solutions aimed to examine the evolutionary origins of the H1N1 virus and evaluate its potential public health and socioeconomic consequences, while monitoring and mitigating the impact of a fast-moving pandemic. The rapporteurs for this workshop reported on the need for increased and geographically robust global influenza vaccine production capacities; enhanced and sustained interpandemic demand for seasonal influenza vaccines; clear "triggers" for pandemic alert levels; and accelerated research collaboration on new vaccine manufacturing techniques. This book will be an essential guide for healthcare professionals, policymakers, drug manufacturers and investigators.

World Trade Report 2021

The 2021 World Trade Report analyses how digital technologies are transforming global commerce and international trade cooperation. It examines in particular how trade is likely to evolve in the coming 10 to 15 years as a result of digital technologies, such as 3D printing, artificial intelligence and blockchain. Case studies will provide concrete examples of how companies are already using new technologies to streamline their operations. The report will also include contributions from academics and leading experts on how they see digital technologies having an impact on the future of trade and the nature of trade cooperation.

Implementing Industry 4.0 in SMEs Concepts, Examples and Applications

Springer Nature This open access book addresses the practical challenges that Industry 4.0 presents for SMEs. While large companies are already responding to the changes resulting from the fourth industrial revolution, small businesses are in danger of falling behind due to the lack of examples, best practices and established methods and tools. Following on from the publication of the previous book 'Industry 4.0 for SMEs: Challenges, Opportunities and Requirements', the authors offer in this new book innovative results from research on smart manufacturing, smart logistics and managerial models for SMEs. Based on a large scale EU-funded research project involving seven academic institutions from three continents and a network of over fifty small and medium sized enterprises, the book reveals the methods and tools required to support the successful implementation of Industry 4.0 along with practical examples.

Simpson's Forensic Medicine

CRC Press This fully updated thirteenth edition of Simpson's Forensic Medicine remains a classic introductory text to the field. Continuing its tradition of preparing the next generation of forensic practitioners, it presents essential concepts in the interface between medicine and the law. Twenty-four chapters cover basic science, toxicology, forensic odont

Qualitative Research Practice

A Guide for Social Science Students and Researchers

SAGE Why use qualitative methods? What kinds of questions can qualitative methods help you answer? How do you actually do rigorous and reflective qualitative research in the real world? Written by a team of leading researchers associated with NatCen Social Research (the National Centre for Social Research) this textbook leads students and researchers through the entire process of qualitative research from beginning to end - moving through design, sampling, data collection, analysis and reporting. In this fully revised second edition you will find: A practical account of how to carry out qualitative research which recognises a range of current

approaches and applications A brand new chapter on ethics A brand new chapter on observational research Updated advice on using software when analysing your qualitative data New case studies which illustrate issues you may encounter and how problems have been tackled by other researchers. This book is an ideal guide for students, practitioners and researchers faced with the challenges of doing qualitative research in both applied and academic settings in messy real-life contexts.

Handbook of Modern Sensors

Physics, Designs, and Applications

Springer Science & Business Media Seven years have passed since the publication of the previous edition of this book. During that time, sensor technologies have made a remarkable leap forward. The sensitivity of the sensors became higher, the dimensions became smaller, the sensitivity became better, and the prices became lower. What have not changed are the fundamental principles of the sensor design. They are still governed by the laws of Nature. Arguably one of the greatest geniuses who ever lived, Leonardo Da Vinci, had his own peculiar way of praying. He was saying, "Oh Lord, thanks for Thou do not violate your own laws. " It is comforting indeed that the laws of Nature do not change as time goes by; it is just our appreciation of them that is being refined. Thus, this new edition examines the same good old laws of Nature that are employed in the designs of various sensors. This has not changed much since the previous edition. Yet, the sections that describe the practical designs are revised substantially. Recent ideas and developments have been added, and less important and nonessential designs were dropped. Probably the most dramatic recent progress in the sensor technologies relates to wide use of MEMS and MEOMS (micro-electro-mechanical systems and micro-electro-opto-mechanical systems). These are examined in this new edition with greater detail. This book is about devices commonly called sensors. The invention of a microprocessor has brought highly sophisticated instruments into our everyday lives.

Development and Modern Industrial Policy in Practice

Issues and Country Experiences

Edward Elgar Publishing Development and Modern Industrial Policy in Practice provides an up-to-date analysis of industrial policy. Modern industrial policy refers to the set of actions and strategies used to favor the more

dynamic sectors of the economy. A key aspect of moder

Global Value Chains in a Changing World

A collection of papers by some of the world's leading specialists on global value chains (GVCs). It examines how GVCs have evolved and the challenges they face in a rapidly changing world. The approach is multi-disciplinary, with contributions from economists, political scientists, supply chain management specialists, practitioners and policy-makers. Co-published with the Fung Global Institute and the Temasek

Product-Service System Design for Sustainability

Routledge This book, based on a huge European and Asian research project, is a state-of-the-art examination of the theory and practice of system innovation through Product-Service System (PSS) design for sustainability from a trans-cultural viewpoint. PSS design incorporates innovative strategies that shift businesses away from simply designing and selling physical products to developing integrated systems of products and services that satisfy human needs. The book provides background, advice and tools for designers interested in sustainable PSSs and has a wealth of case studies for practitioners to digest.

A Field Guide to Genetic Programming

Lulu.com Genetic programming (GP) is a systematic, domain-independent method for getting computers to solve problems automatically starting from a high-level statement of what needs to be done. Using ideas from natural evolution, GP starts from an ooze of random computer programs, and progressively refines them through processes of mutation and sexual recombination, until high-fitness solutions emerge. All this without the user having to know or specify the form or structure of solutions in advance. GP has generated a plethora of human-competitive results and applications, including novel scientific discoveries and patentable inventions. This unique overview of this exciting technique is written by three of the most active scientists in GP. See www.gp-field-guide.org.uk for more information on the book.

Yamaha YZF-R1 1998-2003

Haynes Manuals N. America, Incorporated **Yamaha YZF-R1 1998-2003**

Advances in Manufacturing,
Production Management and
Process Control

Proceedings of the AHFE 2020
Virtual Conferences on Human
Aspects of Advanced
Manufacturing, Advanced
Production Management and
Process Control, and Additive
Manufacturing, Modeling Systems
and 3D Prototyping, July 16–20,
2020, USA

Springer Nature **This book discusses the latest advances in the broadly defined field of advanced manufacturing and process control. It reports on cutting-edge strategies for sustainable production and product life cycle management, and on a variety of people-centered issues in the design, operation and management of manufacturing systems and processes. Further, it presents digital modeling systems and additive manufacturing technologies, including advanced applications for different purposes, and discusses in detail the implementation of and challenges imposed by 3D printing technologies. Based on three AHFE 2020 Conferences (the AHFE 2020 Virtual Conference on Human Aspects of Advanced Manufacturing, the AHFE 2020 Virtual Conference on Advanced Production Management and Process Control and the AHFE 2020 Virtual Conference on Additive Manufacturing, Modeling Systems and 3D Prototyping, the book merges**

ergonomics research, design applications, and up-to-date analyses of various engineering processes. It brings together experimental studies, theoretical methods and best practices, highlights future trends and suggests directions for further technological developments and the improved integration of technologies and humans in the manufacturing industry.

Global Infectious Disease Surveillance and Detection

Assessing the Challenges – "Finding Solutions: Workshop Summary

National Academies Press **Early detection is essential to the control of emerging, reemerging, and novel infectious diseases, whether naturally occurring or intentionally introduced. Containing the spread of such diseases in a profoundly interconnected world requires active vigilance for signs of an outbreak, rapid recognition of its presence, and diagnosis of its microbial cause, in addition to strategies and resources for an appropriate and efficient response. Although these actions are often viewed in terms of human public health, they also challenge the plant and animal health communities. Surveillance, defined as "the continual scrutiny of all aspects of occurrence and spread of a disease that are pertinent to effective control", involves the "systematic collection, analysis, interpretation, and dissemination of health data." Disease detection and diagnosis is the act of discovering a novel, emerging, or reemerging disease or disease event and identifying its cause. Diagnosis is "the cornerstone of effective disease control and prevention efforts, including surveillance." Disease surveillance and detection relies heavily on the astute individual: the clinician, veterinarian, plant pathologist, farmer, livestock manager, or agricultural extension agent who notices something unusual, atypical, or suspicious and brings this discovery in a timely way to the attention of an appropriate representative of human public health, veterinary medicine, or agriculture. Most developed countries have the ability to detect and diagnose human, animal, and plant diseases. Global Infectious Disease Surveillance and Detection: Assessing the Challenges -- Finding Solutions, Workshop Summary is part of a 10 book series and summarizes the recommendations and presentations of the workshop.**

Guide for the Care and Use of Laboratory Animals

Eighth Edition

National Academies Press A respected resource for decades, the **Guide for the Care and Use of Laboratory Animals** has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

How Asia Works

Success and Failure in the World's

Most Dynamic Region

Profile Books **Until the catastrophic economic crisis of the late 1990s, East Asia was perceived as a monolithic success story. But heady economic growth rates masked the most divided continent in the world - one half the most extraordinary developmental success story ever seen, the other half a paper tiger. Joe Studwell explores how policies ridiculed by economists created titans in Japan, Korea and Taiwan, and are now behind the rise of China, while the best advice the West could offer sold its allies in South-East Asia down the economic river. The first book to offer an Asia-wide deconstruction of success and failure in economic development, Studwell's latest work is provocative and iconoclastic - and sobering reading for most of the world's developing countries. How Asia Works is a must-read book that packs powerful insights about the world's most misunderstood continent.**

Electric and Hybrid Cars A History, 2d ed.

McFarland **This illustrated history chronicles electric and hybrid cars from the late 19th century to today's fuel cell and plug-in automobiles. It describes the politics, technology, marketing strategies, and environmental issues that have impacted electric and hybrid cars' research and development. The important marketing shift from a "woman's car" to "going green" is discussed. Milestone projects and technologies such as early batteries, hydrogen and bio-mass fuel cells, the upsurge of hybrid vehicles, and the various regulations and market forces that have shaped the industry are also covered.**

Purchasing and Supply Chain Management

South-Western Pub **Purchasing and Supply Chain Management, 3rd Edition is a turnkey solution for providing current and thorough coverage for this critical area of the supply chain. This book is not only a text but a reference as well and is now established as one of the leading-edge strategy and purchasing books. Students gain contextual insights and knowledge into the strategies, processes, and practices of purchasing through use of the many cases and examples. Because of their relationships with executives and practitioners worldwide, the authors are able to present unique and up-to-date insights that lead to greater understanding of the purchasing process. Purchasing and Supply Chain**

Management provides a hands-on, applied approach that has been thoroughly tested with student audiences to ensure learning success.

Contemporary Strategy Analysis Text Only

Wiley Global Education Robert M. Grant combines a highly accessible writing style with a concentration on the fundamentals of value creation and an emphasis on practicality in this leading strategy text. In this new edition, he includes an even greater focus on strategy implementation that reflects the needs of firms to reconcile scale economies with entrepreneurial flexibility, innovation with cost efficiency, and globalization with local responsiveness. This edition also incorporates some of the key strategic issues of today including: post-financial crisis adjustment, the continuing rise of China, India and Brazil, and the increased emphasis on ethics and sustainability. Coverage is also provided on strategy in not-for-profit organizations. *Contemporary Strategy Analysis, 8th Edition*, is suitable for both MBA and advanced undergraduate students. It has been adopted by leading business schools all across the world.

The Tatas

How a Family Built a Business and a Nation

Harper Collins | **WINNER OF THE GAJA CAPITAL BUSINESS BOOK PRIZE 2019** | The nineteenth century was an exciting time of initiative and enterprise around the world. If John D. Rockefeller was creating unimagined wealth in the United States that he would put to the service of the nation, a Parsi family with humble roots was doing the same in India. In 1822, a boy was born in a priestly household in Gujarat's Navsari village. Young Nusserwanji knew early on that his destiny lay beyond his village and decided to head for Bombay to start a business - the first in his family to do so. He had neither higher education nor knowledge of business matters, just a burning passion to carve a path of his own. What Nusserwanji started as a cotton trading venture, his son Jamsetji, born in the same year as Rockefeller, grew into a multifaceted business, turning around sick textile mills, setting up an iron and steel company, envisioning a cutting-edge institute of higher learning, building a world-class hotel, and earning himself the title of the 'Bhishma Pitamah of Indian Industry'. Stewarded ably over the decades by Jamsetji's sons Dorabji and Ratanji, the charismatic and larger-than-life JRD, and thereafter the more business-like Ratan, the Tata group today is a 110-billion-dollar empire. The Tatas is

their story. But it is more than just a history of the industrial house; it is an inspiring account of India in the making. It chronicles how each generation of the family invested not only in the expansion of its own business interests but also in nation building. Few know, for instance, that the first hydel power project in the world was conceived of and built by the Tatas. Nor that some radical labour concepts such as eight-hour work shifts were born in India, at the Tata mill in Nagpur. The Tata Cancer Research Centre, the Indian Institute of Science, the Tata Institute of Fundamental Research, as also the national carrier Air India - the family has a long, rich and unrivalled legacy. The Tatas is a tribute to a line of visionaries who have a special place in the hearts and minds of ordinary Indians. Written by seasoned journalist Girish Kuber, this is also the only book that tells the complete Tata story spanning almost two hundred years.

Fingermark Visualisation Manual