

Industrial Engineering And Production Management By Mahajan Free

A Textbook of Production Engineering, Engineering Production-Grade Shiny Apps, Production Engineering and Management, SRDesign of Experiments in Production Engineering, Petroleum Production Engineering, Computational Methods and Production Engineering, Production Systems Engineering, Industrial Engineering and Production Management, Advances in Industrial and Production Engineering, Manufacturing Systems Engineering, Manufacturing Engineering Education, Configurable Manufacturing Enterprises for Industry, Design and Engineering of Production Systems for Manufacturability, A Study of the Toyota Production System, Encyclopedia of Production Engineering, Handbook Of Electronics Packaging Design and Engineering, Site Reliability Engineering, Radio Engineering 10 Advances on Mechanics, Design Engineering and Manufacturing, Engineering Production-Grade Shiny Apps, Multi-Disciplinary Engineering for Cyber-Physical Production Systems, Manager's Guide for Better Decision-Making, Manufacturing Engineering CAD Systems in Mechanical and Production Engineering, Microbial Cell Factories Engineering for Production of Biomolecules, Manufacturing Production Systems Engineering: Cost and Performance Optimization, Trends in Production Engineering, Principles of Economics and Management for Manufacturing Engineering, Applied Applications in Manufacturing Engineering, Quality Engineering in Production Systems, Software Engineering, Engineering Production Control Strategies, Decision Making in Risk Management, Manufacturing Engineering, Intelligent Systems in Production Engineering and Maintenance, Sustainable Natural Gas Reservoir and Production Engineering, Advantages in Manufacturing and Industrial Engineering

If you ally compulsion such a reference Industrial Engineering And Production Management By Mahajan Free that will present you worth, acquire the extremely best seller from us currently from several preferred authors. If you desire to comical books, lots of novels, tale, jokes, and more fictions collections are along with launched to one of the most current released.

You may not be perplexed to enjoy all book collections Industrial Engineering And Production Management By Mahajan Free that we will enormously offer. It is not of the costs. Its practically what you need currently. This Industrial Engineering And Production Management By Mahajan Free, as one of the most in force seller, be in the midst of the best options to review.

Principles of Economics and Management for Manufacturing Engineering, Apr 22, 2020 Principles of Economics and Management for Manufacturing Engineering combines key engineering economics principles and applications in one easy to use reference. Engineers, including design, mechanical, and manufacturing engineers are frequently making economics-related decisions, whether directly when selecting materials or indirectly when managers make order quantity decisions based on their work. Having a solid understanding of the management and economic activities that touch on engineering work is a core part of most foundational engineering qualifications and becomes even more important in industry. Covering a wide range of management and economic topics from the point-of-view of an engineer in industry, this reference provides everything needed to understand the commercial context of engineering work. Covers the full range of basic economic concepts as well as engineering economics topics Includes end of chapter quick summaries that make this an ideal self-study resource Provides step-by-step instructions for cost accounting for engineers

Computational Methods and Production Engineering, Apr 26, 2022 Computational Methods and Production Engineering: Research and Development is an original book publishing refereed, high quality articles with a special emphasis on research and development in production engineering and production organization for modern manufacturing. Innovation and the relationship between computational methods and production engineering are presented. Contents include: Finite Element method (FEM) modeling, Artificial neural networks (ANNs); Genetic algorithms; Evolutionary computation; Fuzzy logic; neuro-fuzzy systems; Particle swarm optimization (PSO); Tabu search; Simulated annealing; and optimization techniques for complex systems. As computational methods currently have several applications, including modeling manufacturing processes, monitoring and control, parameters optimization and computer-aided process planning, this book is an ideal resource for practitioners. Presents cutting-edge computational methods for production engineering Explores the relationship between applied computational methods and production engineering Presents new ideas in the field Edited by a key researcher in the field

Green Production Engineering and Management, Apr 31, 2022 Green Production Engineering and Management is an interdisciplinary collection of the latest advances from academia and industry on the management of production engineering in a green and responsible way. Background theory, methods, tools and techniques, and case studies are all combined to make a complete guide for researchers, engineers, and managers. The interdisciplinary approach taken by this book allows a holistic understanding of a complex problem, helping readers with management backgrounds to better appreciate production engineering issues and vice versa. Themes such as social responsibility, manufacturing, and productivity management are all tackled together, helping the reader see how they are all linked in the industrial environment, and how new ideas in the field could lead to benefits in others. Through the interdisciplinary exchange of principles, strategies, models, methodologies, and applications, this book hopes to help readers to ways to manage, think, and understand organizations, making them more strategic and competitive in the markets where they are or which they seek to occupy. Includes case studies from industry, illustrating how the advances discussed can be applied in the real world. Covers the environmental regulations relevant to green production and will help readers find better ways to meet them. Draws on research from several different disciplines to help readers discover innovative solutions to complex production engineering problems

Manufacturing Engineering, Oct 09 2020 Revised and updated introduction, useful as a reference source for engineers and managers or as a text for upper-level undergraduate and graduate courses in technical colleges and universities. Includes end-of-chapter questions (an answer book is provided for teachers). Annotation copyright by Book Company, Inc. Software Engineering, Dec 31 2019

Site Reliability Engineering, Apr 14 2021 The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does our industry insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient, and how these are directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional software engineering industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the day-to-day work of an SRE and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, managing, and meetings that your organization can use

Microbial Cell Factories Engineering for Production of Biomolecules, Jul 07, 2020 Microbial Cell Factories Engineering for Production of Biomolecules presents a compilation of chapters written by eminent scientists worldwide. Sections cover major tools and technologies for DNA synthesis, design of biosynthetic pathways, synthetic biology, biosensors, cell-free systems, computer-aided design, OMICS tools, CRISPR/Cas systems, and many more. Although it is not easy to find relevant information on this volume, the book covers the production of a wide range of biomolecules from several MCFs, including Escherichia coli, Bacillus subtilis, Pseudomonas putida, Streptococcus, Corynebacterium, Cyanobacteria, Saccharomyces cerevisiae, Pichia pastoris and Yarrowia lipolytica, and algae, among many others. This will be an excellent platform for which scientific knowledge can grow and widen in MCF engineering research for the production of biomolecules. Needless to say, the book is a valuable source not only for researchers designing cell factories, but also for students, metabolic engineers, synthetic biologists, genome engineers, industrialists, stakeholders and anyone interested in harnessing the potential of MCFs in several fields. Offers basic understanding and a clear picture of various MCFs Explains several tools and techniques for DNA synthesis, synthetic biology tools, genome editing, biosensors, computer-aided design, and OMICS tools, among others Harnesses the potential of engineers to produce a wide range of biomolecules for industrial, therapeutic, pharmaceutical, nutraceutical and biotechnological applications Highlights the advances, challenges and opportunities in designing MCFs

Advanced Applications in Manufacturing Engineering, Mar 02 2020 Advanced Applications in Manufacturing Engineering presents the latest research and development in manufacturing engineering across a range of areas, treating manufacturing engineering on an international and transnational scale. It considers various tools, techniques, strategies and methods in manufacturing engineering applications. With the latest knowledge in technology for engineering design and manufacture, this book provides a comprehensive and comprehensive coverage on a topic that is a key driver in rapid economic development, and that can lead to economic benefits and improvements to quality of life. Presents the latest research and developments in manufacturing engineering Covers a comprehensive spread of manufacturing engineering areas for different manufacturing processes Discusses tools, techniques, strategies and methods in manufacturing engineering applications Considers manufacturing engineering at an international and transnational scale Enables the reader to learn advanced applications in manufacturing engineering

Design of Experiments in Production Engineering 2022 This book covers design of experiments (DoE) applied in production engineering as a combination of manufacturing technology with applied management science. It presents recent research advances and applications of design experiments in production engineering chapters cover metal cutting tools, soft computing for modelling and optimization of machining, waterjet machining of high performance ceramics, among others. **Handbook Of Electronics Packaging Design and Engineering** 2021 The Handbook of Electronics Packaging Design and Engineering has been written as a reference source for use in the packaging design of electronics equipment. It is designed to provide a single convenient source for the solution of recurring design problems. The consideration of any design is that the end product meet or exceed the applicable product specifications. The judicious use of uniform design practices will result in economies and equipment improvements: • Economics of design. Uniform design practices will result in less engineering and design times and lower costs. They will also result in the number of changes that may be required due to poor reliability, maintainability, or producibility. • Improved design. Better designs with increased reliability, maintainability, and producibility will result from the use of uniform design practices. • Production economies. Uniform designs employing standard available tools, materials, and processes will result in the cost control of manufacturing. The Handbook is intended primarily for the serious student of electronics packaging and for those engineers and designers engaged in this vital and interesting profession. It attempts to present electronics packaging as it is today. It can be used as a training text for instructional purposes and as a reference source for the practicing designer and engineer.

Production Systems Engineering: Cost and Performance Optimization 2020 Optimize Economic and Technological Requirements in Production System Designs This pioneering work offers proven techniques, partially created and developed at The Charles Stark Draper Laboratory, for determining optimal resource allocation and production system designs for today's any-volume manufacturing environments. Production Systems Engineering presents a unique methodology that synthesizes manufacturing technology with economic requirements for an integrated solution. Featuring real-world case studies, this authoritative resource establishes a new paradigm for the manufacturing world that can also be applied to other enterprise environments. Coverage includes: Determining an improved manufacturing system design methodology, basics, time allocation, resources, costs, and quality rating Stochastic analyses added to deterministic results System configuration options Multiple disparate production systems by one system World class versus mostly manual systems Determining allowable investment Simultaneous improvement in yield and cycle-time

Multi-Disciplinary Engineering for Cyber-Physical Production Systems 2020 This book discusses challenges and solutions for the required information processing and management within the context of multi-disciplinary engineering of production systems. The authors consider methods, architectures, and technologies applicable according to the viewpoints of product engineering and production system engineering, and regarding the triangle of (1) product to be produced by a (2) production system, and (3) a production system resource. With this book industrial production systems engineering researchers will get a better understanding of the challenges and requirements of multi-disciplinary engineering that will guide them in future research and development activities. Engineers and managers from engineering domains will get a better understanding of the benefits and limitations of applicable methods, architectures, and technologies for selected use cases. IT researchers will benefit from research issues related to the development of new methods, architectures, and technologies for multi-disciplinary engineering, pushing forward the current state of the art. **A Study of the Toyota Production System** 2021 This is the "green book" that started it all -- the first book in English on JIT, written from the engineer's viewpoint. Omark Industries bought 500 copies and studied it companywide, Omark became the American pioneer in JIT. Here is Dr. Shingo's classic industrial engineering masterpiece. The priority of process-based over operational improvements in manufacturing. He explains the basic mechanisms of the Toyota production system, examines production system functional network of processes and operations, and then discusses the mechanism necessary to make JIT possible in any manufacturing plant. Provides original insights on Just-In-Time Demonstrates new ways to think about profit, inventory, waste, and productivity Explains the principles of leveling, standard work procedures, leveling, handling, supplier relations, and much more If you are a serious student of manufacturing, you will benefit greatly from reading this primary resource on the powerful fundamentals of JIT.

Engineering Production-Grade Shiny Apps 2022 From the Reviews "[This book] contains an excellent blend of both Shiny-specific topics ... and practical advice on software development that fits in nicely with Shiny apps. You will find many nuggets of wisdom sprinkled throughout these chapters..." Eric Nantz, Host of the Shiny Developer Series (from the Foreword) "[This] book is a gradual and pleasant invitation to the production-ready shiny apps world. It ...exposes a comprehensive workflow powered by the (golem) package. [It] fills the not yet covered gap between shiny app development and deployment in such a thrilling way that it may be sitting.... In the industry world, where processes robustness is a key toward productivity, this book will indubitably have a tremendous impact." David Granjon, Scientific Director, Novartis Presented in full color, Engineering Production-Grade Shiny Apps helps people build production-grade shiny applications, by providing advice, tools, and methodology to work on web applications with R. This book starts with an overview of the challenges which arise from any big web application project: organization, about the user interface, the challenges of teamwork and the production environment. Then, it moves to a step-by-step methodology that goes from the idea to the implementation. Each part of this process will cover in detail a series of tools and methods to use while building production-ready shiny applications. Finally, the book will end with approaches and advice about optimizations for production. Features Focused on practical matters: This book does not cover Shiny concepts, but practical tools and techniques to use for production. Based on experience: This book is a formalization of several years of experience building Shiny applications. Original content: This book presents methodologies and tooling, not just a review of what already exists. Engineering Production-Grade Shiny Apps covers medium to advanced content about Shiny, for people that are already familiar with building apps with Shiny, and who want to go one step further.

CAD Systems in Mechanical and Production Engineering 2020 CAD Systems in Mechanical and Production Engineering explains the many components that make up a CAD function and how these fit and interact with other elements of the computer integrated system, especially in relation to production. The book reviews the role of CAD in engineering and production design including integration of computer systems and the incorporation of artificial intelligence in the user interface. The computer includes the mouse, keyboard, displays, and the whole unit uses the American Standard Code for Information Interchange (ASCII) which represents typewriter character pattern of bits. The book also describes the Raster-Scan displays, plasma panels, LCDs, LEDs, and 3Ds. CAD system uses calligraphic type or raster type plotters and character printers for hard copies or for crude pixelated copies. The book describes the organization of CAD processors and the use of networking. The text also describes kinds of software and the elements of computer graphics such as rotation, two-dimensional transformations, and image realism. Management issues that can arise in the transition from a manual to a computerized system include personnel adaptation rates and appointment of CAD personnel. The text also provides some CAD standards for Manufacturing Automation Protocol or in Technical Office Protocol. The book is suitable for computer programmers, engineers, designers of industrial processes, and researchers involved in electrical, computer, or mechanical engineering.

Manufacturing Engineering Education 2021 Manufacturing Engineering Education includes original and unpublished chapters that develop the applications of the manufacturing engineering education field. Chapters convey innovative research ideas that have a prodigious significance in the life of academics, engineers, researchers, and professionals involved with manufacturing engineering. Today, the interest in this subject is shown in many prominent global institutes and universities, and the growth of manufacturing has helped the U.S. economy continue to grow throughout 2014. This book covers manufacturing engineering education, with a special emphasis on development, and didactic aspects. Includes original and unpublished chapters that develop the applications of the manufacturing engineering education principles and manufacturing engineering education to curriculum development Offers research ideas that can be applied to the work of academics, engineers, researchers and

Audio Engineering 101 Mar 14 2021 Audio Engineering 101 is a real world guide for starting out in the recording industry. If you have the dream, the ideas, the motivation, and the creativity but don't know where to start, then this book is for you! Filled with practical advice on how to navigate the recording world, from an author with first-hand experience, Audio Engineering 101 will help you succeed in the exciting, but tough and confusing, music industry. Covering all you need to know about the recording process from the characteristics of sound to a guide to microphones to analog versus digital recording. Dittmar covers all the basics- equipment, studio acoustics, the psychology of music compression, music examples to work from and when and how to use compression. FAQ's from professionals give you real insight into the reality of life on the recording studio.

Advances on Mechanics, Design Engineering and Manufacturing 2021 This book gathers papers presented at the International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing (JCM 2016), held on 14-16 September, 2016, in Catania, Italy. It reports on cutting-edge topics in product design and manufacturing such as industrial methods for integrated product and process design; innovative design; and computer-aided design. Further topics covered include virtual simulation; engineering; additive manufacturing; product manufacturing; engineering methods in medicine and education; representation techniques; and nautical, aeronautical, and aerospace design and modeling. The book is divided into eight main sections, reflecting the focus and primary themes of the conference. The contributions presented only provide researchers, engineers and experts in a range of industrial engineering subfields with extensive information to support their daily work; they are also intended to stimulate new research directions, advanced applications of the methods discussed, and future interdisciplinary collaborations.

Manufacturing Systems Engineering 2021 This second edition of the classic textbook has been written to provide a completely up-to-date text for students of industrial, manufacturing and production engineering, and is an indispensable reference for professional industrial engineers and managers. In his outstanding book, Katsundo Hitomi integrates three key themes into the text: * manufacturing technology * production management * industrial economics Manufacturing Systems Engineering deals with the flow of materials from the acquisition of raw materials, through conversion in the workshop to the shipping of finished goods to the customer. Production engineering deals with the flow of information, by which the flow of materials is managed efficiently, through planning and control techniques. Industrial economics focuses

production costs, aiming to minimise these to facilitate competitive pricing. Professor Hitomi argues that the fundamental purpose of manufacturing is to create and it has a tradition dating back to the prehistoric toolmakers. The fundamental importance of manufacturing is that it facilitates basic existence, it creates wealth and contributes to human happiness - manufacturing matters. Nowadays we regard manufacturing as operating in these other contexts, beyond the technological. This synthesis that Professor Hitomi's study constitutes a new discipline: manufacturing systems engineering - a system that will promote manufacturing excellence. The classic textbook in manufacturing engineering * Fully revised edition providing a modern introduction to manufacturing technology, production management and economics * Includes review questions and problems for the student reader

Manufacturing Jul 06 2020 From concept development to final production, this comprehensive text thoroughly examines the design, prototyping, and fabrication processes and emphasizes modern developments in system modeling, analysis, and automatic control. This reference details various management strategies, design, and traditional production techniques

Reconfigurable Manufacturing Enterprises for Industry 4.0 Oct 24 2021 The objective of this book is to support readers facing the urgency, challenges, analysis, and methodologies to reconfiguration. It presents a comprehensive framework for reconfiguring manufacturing enterprises and provides a set of valuable conceptual methodologies for analyzing, evaluating, and assessing reconfiguration indices. This book offers practical guidance for implementing the Fourth Industrial Revolution (4.0). It presents open-ended problems pertaining to the concepts covered in the book and provides a new approach for reconfiguring industrial systems. Not only industrialists and academics, it will also appeal to undergraduate and graduate students studying industrial, mechanical, and manufacturing engineering. Scholars and practitioners in operations management will also find this book of interest.

Manufacturing Engineering Sep 27 2019 This volume comprises select peer-reviewed contributions from the International Conference on Production and Industrial Engineering (CPIE) 2019. The contents focus on latest research in production and manufacturing engineering including case studies with analytical models and latest numerical methods. The topics covered include micro, nano, and non-conventional machining, additive manufacturing, casting and forming, joining processes, vibrations and acoustics processing, product design and development, industrial automation, CAD/CAM and robotics, and sustainability in manufacturing. The book can be useful for students, researchers, and professionals working in manufacturing and production engineering, and other allied fields.

A Textbook of Production Engineering Nov 02 2022 This is the revised edition of the book with new chapters to incorporate the latest developments in the field. It covers 200 problems from various competitive examinations (GATE, IES, IAS) have been included. The author does hope that with this, the utility of the book will be further enhanced.

Petroleum Production Engineering May 28 2022 Petroleum Production Engineering, Second Edition, updates both the new and veteran engineer on how to employ production fundamentals to solve real-world challenges with modern technology. Enhanced to include equations and references with today's more complex systems, working with horizontal wells, workovers, and an entire new section of chapters dedicated to flow assurance, this go-to reference remains the most all-inclusive, answering all upstream and midstream production issues. Completely updated with five sections covering the entire production spectrum, including well production and facilities, well stimulation and workover, artificial lift methods, and flow assurance, this updated edition continues to deliver the most practical applied production answers, and methods for today's production engineer and manager. In addition, updated Excel spreadsheets that cover the most critical production equations are included for download. Updated to cover today's critical production challenges, such as flow assurance, horizontal and multi-lateral wells, and workovers. Guides theory to practical application with the help of over 50 online Excel spreadsheets that contain basic production equations, such as gas lift potential, multilateral deliverability, and production forecasting. Delivers an all-inclusive product with real-world answers for training or quick look up solutions for the entire petroleum production spectrum

CIRP Encyclopedia of Production Engineering and Logistics Aug 16 2021 The CIRP Encyclopedia covers the state-of-art of advanced technologies, methods and models for production engineering and logistics. While the technological and operational aspects are in the focus, economical aspects are addressed too. The entries for a variety of terms were reviewed by the CIRP-Community, representing the highest standards in research. Thus, the content is not only evaluated internationally on a high level, but also reflects very recent developments.

Design and Engineering of Production Systems Sep 19 2021

Future Trends in Production Engineering May 04 2020 To meet and adapt to the current and future trends and issues in technology and society, the science committee of the German Academic Society for Production Engineering (WGP) continues to define future topics for production technology. These themes represent not only the key scientific work of the WGP, but also the central themes of the first annual conference in June 2011, whose paper is publicly available in this volume. Such themes as electric mobility, medical technology, lightweight construction, and resource efficiency, as well as mass production ability have all been identified as future, large-term drivers of change. Future trends influence changes sustainably and fundamentally; they permeate society, technology, economics, and value systems and have a virtually all areas of life. The WGP has, as part of its research, established for itself the goal of not only observing these emerging changes, but also of supervising their development in order to ensure steady progress, secure sustainability, and shape the future.

A Manager's Guide for Better Decision-Making Mar 09 2020 An important activity for an organization's leaders and managers is making decisions associated with problem solving. Making decisions is a complex endeavor where choices are made from courses of action where resources are limited and in the presence of constraints. This guide, this book offers a quantitative approach to decision-making. The process of decision-making is presented from a holistic point of view. This book offers a clear understanding of the issues and processes involved in decision-making by presenting the tools associated with problem analysis, tools that enable developing clear tools used to normalize judgment criteria achievement so that they are comparable across measures using different scales. Several solution methods for decision-making have one evaluation criterion are explained first. Methods for problems with multiple criteria for evaluating alternate solutions are discussed as well. The multiple methods include those that do not require any explicit preference or trade-off information from the decision-maker and those that do require the decision-maker to provide trade-off information. The intended audience of the book includes technical and nontechnical professionals, managers, and supervisors at all levels, and engineering educators. The book would also be useful to undergraduate students, beginning graduate students, and recent graduates of professional programs, or in mathematics, science, natural sciences, and humanities.

Quality Engineering in Production Systems Jan 30 2020

Advances in Manufacturing and Industrial Engineering Dec 14 2019 This book presents selected peer reviewed papers from the International Conference on Advanced Production and Industrial Engineering (ICAPIE 2019). It covers a wide range of topics and latest research in mechanical systems engineering, materials engineering, micro-manufacturing, renewable energy, industrial and production engineering, and additive manufacturing. Given the range of topics discussed, this book will be useful for students and professionals primarily working in mechanical and industrial engineering, and energy technologies.

Engineering Production Control Strategies Nov 29 2019 Identifying and customizing suitable control strategies is a challenging task, especially when production systems have to cope with variable demands, forecast error, and unstable processes. The focus of this book lies on helping companies with complex and discrete production systems to develop a production control strategy to their needs. Thereby, the mutual merits of "push" and "pull" systems are taken into account, leading to hybrid strategies. Consequently, this book addresses practitioners who are interested in looking behind the scenes and into the physics of production control. A real-life case study demonstrates the practical application of the presented framework.

Advances in Industrial and Production Engineering Jan 04 2022 This book comprises select proceedings of the International Conference on Future Learning Aspects of Production Engineering (FLAME 2018). The book discusses different topics of industrial and production engineering such as sustainable manufacturing systems, manufacturing engineering, rapid prototyping, manufacturing management and automation, metrology, manufacturing process optimization, casting, welding, machining, and manufacturing systems. The contents of this book will be useful for researchers as well as professionals.

Sustainable Natural Gas Reservoir and Production Engineering Dec 06 2019 Sustainable Natural Gas Reservoir and Production Engineering, the latest release in The Fundamentals and Sustainable Advances in Natural Gas Science and Engineering series, delivers many of the scientific fundamentals needed in the natural gas industry for improving gas recovery, simulation processes for fracturing methods, and methods for optimizing production strategies. Advanced research covered includes many practical applications, gas fracturing mechanics aimed at reducing environmental impact, and enhanced oil recovery technologies aimed at capturing carbon dioxide. Supported by corporate and academic contributors along with two well-distinguished editors, this book provides today's natural gas engineers the fundamentals and advances in the field. resource Helps readers advance from basic equations used in conventional gas reservoirs Presents structured case studies to illustrate how new principles can be applied to practical situations Covers advanced topics, including machine learning applications to optimize predictions, controls and improve knowledge-based applications to accelerate emission reductions by teaching gas fracturing mechanics with an aim of reducing environmental impacts and developing enhanced oil recovery technologies to capture carbon dioxide

Intelligent Systems in Production Engineering and Maintenance Aug 26 2019 The book presents a collection of 103 peer-reviewed articles from the Second International Conference on Intelligent Systems in Production Engineering and Maintenance (ISPEM 2018). The conference was organized by the Faculty of Mechanical Engineering

