Swadesh Kumar Production Engineering

QUALITY CONTROL
A Textbook of Production Engineering
Polymers and Composites Manufacturing
Strength of Materials:
Directory - The Institution of Engineers (India).
Proceeding of the International Conference on Computational and Bio Engineering, 2019, Volume 2
Engineering Materials Science
ICMED
ENGINEERING THERMODYNAMICS AND FLUID MECHANICS
Introduction to Manufacturing Processes
5th International and 26th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2014
Strength of Materials
Additive Manufacturing Technologies From an Optimization Perspective
Advances in Materials Processing Technologies
Internal Combustion Engines
Calcined Clays for Sustainable Concrete
Fluid Mechanics and Hydraulic Machines
Metrology & Measurement
Woven Terry Fabrics
Problems and Solutions, 2e
Networking and Telecommunications: Concepts, Methodologies, Tools, and Applications
MECHANICAL SCIENCES
Proceedings of the 2nd International Conference on Calcined Clays for Sustainable Concrete
Handbook Series of Machanical Engineering
Manufacturing and Quality Management
Innovating the Future Through Manufacturing
Haj to Utopia
Industrial Engineering and Management
International Journal of Materials & Product Technology
Select Papers from ICCMM 2019
Concepts, Methodologies, Tools, and Applications
A Textbook Of Production Engineering
Fundamentals of Manufacturing, Third Edition
The 1st International Conference on Maritime Education and Development
Industrial Engineering and Production Management
Advances in Material Forming and Joining
Manufacturing Science
Strength Of Materials

MORENO RAYMOND

QUALITY CONTROL Pearson Education India

This book presents the proceedings of the 1st International Conference on Maritime Education and Development. The conference exchanges knowledge, experiences and ideas in the domain of maritime education and development, with the ultimate goal of generating new knowledge and implementing smart strategies and actions. Topics include the 4th Industrial Revolution (4IR); unmanned air/sea surface/underwater vehicles (UxV); the digital divide and Internet accessibility; digital infrastructure; IMO E-navigation strategy; smart-ship concept; automation and digitalization; cyber security; and maritime future. This proceedings pertains to researchers, academics, students, and professionals in the realm of maritime education and development.

A Textbook of Production Engineering Society of Manufacturing Engineers

The three sections of this volume present currently available cancer gene therapy techniques. Part I describes the various aspects of gene delivery. In Part II, the contributors discuss strategies and targets for the treatment of cancer. Finally, in Part III, experts discuss the difficulties inherent in bringing gene therapy treatment for cancer to the clinic. This book will prove valuable as the volume of preclinical and clinical data continues to increase.

Polymers and Composites Manufacturing Tata McGraw-Hill Education

This book on the Strength Of Materials deals with the basic principles of the subject.All topics have been introduced in a simple manner. The book has been written mainly in the M.K.S. system of units.The book has beenprepared to suit the requirements of students preparing for A.M.I.E. degree anddiploma examinations in engineering. The chapters Shear Forces and BendingMoments , Stresses in Beams, Masonry Dams and Retaining Walls , Fixed andContinuous Beams and Columns and Struts: have been enlarged. Problems have been takenfrom A.M.I.E. and various university examinations. This editioncontains hundreds of fully solved problems besides many problems set for exerciseat the end of each chapter.

Strength of Materials: Springer Nature

An increasing amount of research is being developed in the area where technology and humans meet. The success or failure of technologies and the question whether technology helps humans to fulfill their goals or whether it hinders them is in most cases not a technical one. User Perception and Influencing Factors of Technology in Everyday Life addresses issues of human and technology interaction. The research in this work is interdisciplinary, ranging from more technical subjects such as computer science, engineering, and information systems, to non-technical descriptions of technology and human interaction from the point of view of sociology or philosophy. This book is perfect for academics, researchers, and professionals alike as it presents a set of theories that allow us to understand the interaction of technology and humans and to put it to practical use.

Directory - The Institution of Engineers (India). Springer

This is the revised edition of the book with new chapters to incorporate the latest developments in the field.It contains appox. 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.

Proceeding of the International Conference on Computational and Bio Engineering, 2019, Volume 2 PHI Learning Pvt. Ltd.

Scope of science and technology is expanding at an exponential rate and so is the need of skilled professionals i.e., Engineers. To stand out of the crowd amidst rising competition, many of the engineering graduates aim to crack GATE, IES and PSUs and pursue various post graduate Programmes. Handbook series as its name suggests is a set of Best-selling Multi-Purpose Quick Revision resource books, those are devised with anytime, anywhere approach. It’s a compact, portable revision aid like none other. It contains almost all useful Formulae, equations, Terms, definitions and many more important aspects of these subjects. Mechanical Engineering Handbook has been designed for aspirants of GATE, IES, PSUs and Other Competitive Exams. Each topic is summarized in the form of key points and notes for everyday work, problem solving or exam revision, in a unique format that displays concepts clearly. The book also displays formulae and circuit diagrams clearly, places them in context and crisply identities and describes all the variables involved.Mechanics, Strength of Materials, Theory of Machine, Machine design, Fluid Mechanics, Heat and Mass Transfer, Thermodynamics, Power Plant Engineering, Refrigeration and Air Conditioning, Internal Combustion engine, Material Science and Production Engineering, Industrial Engineering, Element of Computation.

Engineering Materials Science IGI Global

For close to 20 years, Industrial Engineering and Production Management has been a successful text for students of Mechanical, Production and Industrial Engineering while also being equally helpful for students of other courses including Management. Divided in 5 parts and 52 chapters, the text combines theory with examples to provide in-depth coverage of the subject.

ICMED Alpha Science Int'l Ltd.

Salient Features: - Comprehensive coverage of Hydraulic Machines in a student-friendly manner - Detailed concept review that aids in thorough and quick revision - Objective questions for competitive examinations as per new pattern - Solutions to numerical objec_ve ques_ons provided on Online Learning Center

ENGINEERING THERMODYNAMICS AND FLUID MECHANICS Trans Tech Publications Ltd

Mikell Groover, author of the leading text in manufacturing processes, has developed Introduction to Manufacturing Processes as a more navigable and student-friendly text paired with a strong suite of additional tools and resources online to help instructors drive positive student outcomes. Focusing mainly on processes, tailoring down the typical coverage of both materials and systems. The emphasis on manufacturing science and mathematical modeling of processes is an important attribute of the new book. Real world/design case studies are also integrated with fundamentals - process videos provide students with a chance to experience being 'on the floor' in a manufacturing facility, followed by case studies that provide individual students or groups of students to dig into larger/more design-oriented problems.

Introduction to Manufacturing Processes PHI Learning Pvt. Ltd.

The book has been designed for undergraduate students studying Mechanical Engineering or Industrial Engineering. It discusses various concepts and provides practical knowledge related to the

area of Industrial Engineering and Management. The book lucidly covers Project Management, Quality Management, Costing etc. in detail to develop the required skills among the students.

5th International and 26th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2014 S. Chand Publishing

Special Features: · Familiarizes the readers with the basic concepts, principles and methods associated with quality control· Helps readers understand how quality control concepts, principles and methods can be effective in a variety of situations· Illustrates the relationship between total quality principles and the theories and models studied in management courses· Conforms to the engineering and management syllabi of all Indian universities · Discusses the step-by-step evolution of Quality since Juran and Deming· Covers all essential features of Quality Control and Total Quality Management· Discusses about Six Sigma problem-solving methodology that will give readers an excellent framework to use in conducting quality improvement projects· Includes learning goals, summery, review questions and multiple-choice questions with each chaptersIncludes over:- 90 tables- 155 figures- 51 solved examples - 56 review questions- 36 multiple-choice questionsThe book conforms completely to syllabi of Quality Control subject of all universities of Maharashtra, Goa, Gujarat, Karnataka, Punjab and major universities viz. Anna University, J.N.T.U., R.G.P.V. About The Book: Quality Control is designed with an integrated approach for the interdisciplinary courses on Quality Control and Total Quality Management. The book serves as a textbook for the core course on Statistical Quality Control and is aimed at undergraduate students of engineering at all Indian universities. The text provides a comprehensive coverage of the subject from basic principles to state-of-the-art concepts and applications. With a strong engineering and management orientation, the book explores the modern use of statistical methods in quality control and improvement

Strength of Materials Tata McGraw-Hill Education

The revised and updated second edition of this book gives an in-depth presentation of the basic principles and operational procedures of general manufacturing processes. It aims at assisting the students in developing an understanding of the important and often complex interrelationship among various technical and economical factors involved in manufacturing. The book begins with a discussion on material properties while laying emphasis on the influence of materials and processing parameters in understanding manufacturing processes and operations. This is followed by a detailed description of various manufacturing processes commonly used in the industry. With several revisions and the addition of four new chapters, the new edition also includes a detailed discussion on mechanics of metal cutting, features and working of machine tools, design of molds and gating systems for proper filling and cooling of castings. Besides, the new edition provides the basics of solid-state welding processes, weldability, heat in welding, residual stresses and testing of weldments and also of non-conventional machining methods, automation and transfer machining, machining centres, robotics, manufacturing of gears, threads and jigs and fixtures. The book is intended for undergraduate students of mechanical engineering, production engineering and industrial engineering. The diploma students and those preparing for AMIE, Indian Engineering Services and other competitive examinations will also find the book highly useful. New to This Edition : Includes four new chapters Non-conventional Machining Methods; Automation: Transfer Machining, Machining Centres and Robotics; Manufacturing Gears and Threads; and Jigs and Fixtures to meet the course requirements. Offers a good number of worked-out examples to help the students in mastering the concepts of the various manufacturing processes. Provides objective-type questions drawn from various competitive examinations such as Indian Engineering Services and GATE.

Additive Manufacturing Technologies From an Optimization Perspective Pearson Education India

This volume focuses on research and practical issues linked to Calcined Clays for Sustainable Concrete. The main topics are geology of clays, hydration and performance of blended system with calcined clays, alkali activated binders, applications in concrete and mortar, durability of concrete under various aggressive conditions, and economic and environmental impacts of the use of calcined clays in cement based materials. This book compiles the different contributions of the 2nd International Conference on Calcined Clays for Sustainable Concrete, which took place in La Habana, December 5th-7th, 2017.The papers update the latest research in their field, carried out since the last conference in 2015. Overall it gives a broad view of research on calcined clays and their application in the field of construction, which will stimulate further research into calcined clays for sustainable concrete.

Advances in Materials Processing Technologies S. Chand Publishing

This volume reviews a wide range of processing methods which are currently being used for plastics and composites. Special focus lies on advancements in automation, in development of machines and new software for modeling, new materials for ease in manufacturing and strategies to increase productivity.

Internal Combustion Engines IGI Global

Volume is indexed by Thomson Reuters CPCI-S (WoS). This volume is devoted to all the manufacturing engineers that work in Integrated development of products and processes, Machining processes, Forming processes and Non-traditional manufacturing processes. Thereby, this issue contains peer reviewed selected contributions on the aforementioned fields, showing the most recent advances in the most innovative trends in Materials Processing Technologies.

Calcined Clays for Sustainable Concrete Woven Terry FabricsManufacturing and Quality Management

Woven Terry FabricsManufacturing and Quality ManagementWoodhead Publishing

Fluid Mechanics and Hydraulic Machines Walter de Gruyter GmbH & Co KG

Strength of Materials deals with the study of the effect of forces and moments on the deformation of a body. This book follows a simple approach along with numerous solved and unsolved problems to explain the basics followed by advanced concepts such as three dimensional stresses, the theory of simple bending, theories of failure, mechanical properties, material testing and engineering materials.

Metrology & Measurement Macmillan International Higher Education

This volume reviews a wide range of processing methods which are currently being used for plastics and composites. Special focus lies on advancements in automation, in development of machines and new software for modeling, new materials for ease in manufacturing and strategies to increase productivity.

Woven Terry Fabrics Wiley Global Education
In this technology-driven era, conventional manufacturing is increasingly at risk of reaching its limit, and a more design-driven manufacturing process, additive manufacturing, might just hold the key to innovation. Offering a higher degree of design freedom, the optimization and integration of functional features, and the manufacturing of small batch sizes, additive manufacturing is changing industry as we know it. Additive Manufacturing Technologies From an Optimization Perspective is a critical reference source that provides a unified platform for the dissemination of basic and applied knowledge about additive manufacturing. It carefully examines how additive manufacturing is increasingly being used in series production, giving those in the most varied sectors of industry the opportunity to create a distinctive profile for themselves based on new customer benefits, cost-saving potential, and the ability to meet sustainability goals. Highlighting topics such as bio-printing, tensile strength, and cell printing, this book is ideally designed for academicians, students, engineers, scientists, software developers, architects, entrepreneurs, and medical professionals interested in advancements in next-generation manufacturing.
Problems and Solutions, 2e Springer Nature
Woven Terry Fabrics: Manufacturing and Quality Management encompasses all aspects of terry fabric production, from raw material choice and weave design to technological developments, dyeing, and quality evaluation. Nothing feels more luxurious and comforting than wrapping myself or one of my children in a thick, soft, fluffy towel after bathing says Lindsey, a healthcare administrator and mother of two children in Boston. Consumers pay an average 15 USD for a bath towel. So, it has become a luxury item today. To meet the demand of growing population, the terry fabric industry has grown to a large extent. Lots of technological developments have taken place in this field. Provides an excellent overview of the best production methods, quality control systems, latest research, and process parameters Offers in-depth information on all aspects of production Covers comprehensively, for the first time, the whole process from raw material through to finished fabric Includes coverage of technological developments