
Engineering Heat Transfer Gupta Prakash

Select Proceedings of ICOIED 2020
Select Proceedings of ICFMMP 2019
Advances in Fluid and Thermal Engineering
Journal of the Institution of Engineers (India).
Advances in Engineering Materials
The Indian Engineer
Nanofluid Heat and Mass Transfer in Engineering
Problems
Books from India
Microfabrication and Precision Engineering
Case Studies from Around the World
Proceedings of 6th International Conference on
Mechanical Engineering
Food Process Engineering And Technology
Research and Development
Fundamentals of Heat and Mass Transfer:
Bubbles, Drops, and Particles in Non-Newtonian
Fluids, Second Edition
Industrial Power Engineering Handbook
Indian Journal of Technology
Bulletin of the Institution of Engineers (India).
Advances in Metrology and Measurement of
Engineering Surfaces
Selected Papers

Engineering Heat Transfer
Proceedings of STCCE 2021
A HEAT TRANSFER TEXTBOOK
Journal of Agricultural Engineering
The Indian Publisher and Bookseller
Indian Books in Print
Select Proceedings of FLAME 2020
Advances in Engineering Design
Advances in Civil Engineering and Building
Materials
Select Proceedings of FLAME 2020
Fluid-Solid Reactions
principles and practice, Revised International
Edition
Mechanical Engineering Division
Engineering Heat Transfer
Heat and Mass Transfer
Geology of Coal Fires
3D Printing in Biomedical Engineering
Compr. Engineering Heat Transfer
Engineering Heat Transfer

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Proceedings of
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Papers
presented at
the
conference.
**Select
Proceedings
of ICFMMP
2019** Pearson
Education
India

Fundamentals
of Heat and
Mass Transfer
is written for
senior
undergraduat
es in
engineering
colleges of
Indian

universities, in the departments of Mechanical, Automobile, Production, Chemical, Nuclear and Aerospace Engineering.

The book should also **Advances in Fluid and Thermal Engineering**

Elsevier This textbook presents the classical treatment of the problems of heat transfer in an exhaustive manner with due emphasis on understanding of the physics of the problems. This

emphasis is especially visible in the chapters on convective heat transfer. Emphasis is laid on the solution of steady and unsteady two-dimensional heat conduction problems. Another special feature of the book is a chapter on introduction to design of heat exchangers and their illustrative design problems. A simple and understandable treatment of gaseous radiation has been

presented. A special chapter on flat plate solar air heater has been incorporated that covers thermo-hydraulic modeling and simulation. The chapter on mass transfer has been written looking specifically at the needs of the students of mechanical engineering. The book includes a large number and variety of solved problems with supporting line diagrams. The author has avoided

duplicating similar problems, while incorporating more application-based examples. All the end-of-chapter exercise problems are supplemented with stepwise answers. Primarily designed to serve as a complete textbook for undergraduate and graduate students of mechanical engineering, the book will also be useful for students of chemical, automobile,

production, and industrial engineering streams. The book fully covers the topics of heat transfer coursework and can also be used as reference for students preparing for competitive graduate examinations. *Journal of the Institution of Engineers (India)*. Springer Nature Engineering Heat Transfer Engineering Heat Transfer Computer. Engineering Heat Transfer Laxmi PublicationsFu

ndamentals of Heat and Mass Transfer: Pears on Education India *Advances in Engineering Materials* Springer Nature This book presents the outcomes of the International Conference on Intelligent Manufacturing and Automation (ICIMA 2018) organized by the Departments of Mechanical Engineering and Production Engineering at Dwarkadas J. Sanghvi College of

Engineering, Mumbai, and the Indian Society of Manufacturing Engineers. It includes original research and the latest advances in the field, focusing on automation, mechatronics and robotics; CAD/CAM/CAE/ CIM/FMS in manufacturing ; product design and development; DFM/DFA/FMEA; MEMS and Nanotechnology; rapid prototyping; computational techniques; industrial engineering; manufacturing process management; modelling and optimization techniques; CRM, MRP and ERP; green, lean, agile and sustainable manufacturing ; logistics and supply chain management; quality assurance and environment protection; advanced material processing and characterization; and composite and smart materials.

The Indian Engineer
Springer
Nature
Food Process Engineering

focuses on the design, operation and maintenance of chemical and other process manufacturing activities. The development of "Agro Processing" will spur agricultural diversification. There are several benefits of promoting small scale agro-processing units rather large scale for the promotion of rural entrepreneurship. Appropriate post harvest management and value

addition to agricultural products, in their production catchments, will lead to employment and income generation in the rural sector and minimize the losses of harvested biomass. Adoption of suitable technology plays a vital role in fixing the cost of the final product and consequently makes the venture, a profitable one. It is observed that imported agro-processing

machines or their imitations are used for preparing food products. Actually, the working of these machines should be critically studied in context of the energy input and the quality of the finished product."

Nanofluid Heat and Mass Transfer in Engineering Problems

Jones & Bartlett Learning
This book presents the selected peer-reviewed

proceedings of the International Conference on Innovative Engineering Design (ICOIED 2020). The contents provide a multidisciplinary approach for the development of innovative product design and their benefits for the society. The book presents latest advances in various fields like design process, service development, micro/nano technology, sensors and MEMS, and

sustainability in engineering design. This book can be useful for students, researchers, and professionals interested in innovative product/process design and development.

Books from India Springer Nature

This book presents the select proceedings of International Conference on Innovations in Thermo-Fluid Engineering and Sciences (ICITFES 2020). It covers the theoretical and

experimental research works carried out in the field of energy and power engineering. Various topics covered include fluid mechanics, gas turbines and dynamics, heat transfer, humidity and control, multiphase flow, ocean engineering, power and energy, refrigeration and air conditioning, renewable energy, and thermodynamics. The book will be helpful for the researchers, scientists, and

professionals working in the field of energy, power engineering, and thermal engineering.

Microfabrication and Precision Engineering

CRC Press
Microfabrication and precision engineering is an increasingly important area relating to metallic, polymers, ceramics, composites, biomaterials and complex materials. Micro-electro-mechanical-systems (MEMS) emphasize

miniaturization in both electronic and mechanical components. Microsystem products may be classified by application, and have been applied to a variety of fields, including medical, automotive, aerospace and alternative energy. Microsystems technology refers to the products as well as the fabrication technologies used in production. With detailed information on modelling of micro and

nano-scale cutting, as well as innovative machining strategies involved in microelectromechanical applications, microchannel fabrication, as well as underwater pulsed Laser beam cutting, among other techniques, Microfabrication and Precision Engineering is a valuable reference for students, researchers and professionals in the microfabrication and precision

engineering fields. Contains contributions by top industry experts Includes the latest techniques and strategies Special emphasis given to state-of-the art research and development in microfabrication and precision engineering
Case Studies from Around the World S. Chand Publishing
 Renewable Energy Engineering and Technology:

Principles and Practice - covers major renewable energy resources and technologies for various applications. The book is conceived as a standard reference book for students, experts, and policy-makers. It has been designed to meet the needs of these diverse groups. While covering the basics of scientific and engineering principles of thermal engineering, heat and mass transfer, fluid

dynamics, and renewable energy resource assessments, the book further deals with the basics of applied technologies and design practices for following renewable energy resources.- Solar (thermal and photovoltaic)- Wind - Bio-energy including liquid biofuels and municipal solid waste- Other renewables such as tidal, wave, and geothermalThe book is

designed to fulfil the much-awaited need for a handy, scientific, and easy-to-understand comprehensive handbook for design professionals and students of renewable energy engineering courses. Besides the sheer breadth of the topics covered, what makes this well-researched book different from earlier attempts is the fact that this is based on extensive practical experiences of

the editor and the authors. Thus, a lot of emphasis has been placed on system sizing and integration. Ample solved examples using data for India make this book a relevant and an authentic reference. *Proceedings of 6th International Conference on Mechanical Engineering* Phlogiston Press This book presents select proceedings of the International Conference on Future

Learning Aspects of Mechanical Engineering (FLAME 2020). This book, in particular, focuses on characterizing materials using novel techniques. It covers a variety of advanced materials, viz. composites, coatings, nanomaterials, materials for fuel cells, biomaterials among others. The book also discusses advanced characterizations techniques like X-ray photoelectron, UV spectroscopy,

scanning electron, atomic power, transmission electron and laser confocal scanning fluorescence microscopy, and gel electrophoresis chromatography. This book gives the readers an insight into advanced material processes and characterizations with special emphasis on nanotechnology. Food Process Engineering And Technology BoD - Books on Demand

Never before has so much ground been covered in a single volume reference source. This five-part work is sure to be of great value to students, technicians and practicing engineers as well as equipment designers and manufacturers, and should become their one-stop shop for all information needs in this subject area. This book will be of interest to those working with: Static Drives, Static Controls of Electric Motors, Speed Control of Electric Motors, Soft Starting, Fluid Coupling, Wind Mills, Generators, Painting procedures, Effluent treatment, Electrostatic Painting, Liquid Painting, Instrument Transformers, Core Balanced CTs, CTs, VTs, Current Transformers, Voltage Transformers, Earthquake engineering, Seismic testing, Seismic effects, Cabling, Circuit Breakers, Switching Surges, Insulation Coordination, Surge Protection, Lightning, Over-voltages, Ground Fault Protections, Earthing, Earth fault Protection, Shunt Capacitors, Reactive control, Bus Systems, Bus Duct, & Rising mains *A 5-part guide to all aspects of electrical power engineering *Uniquely comprehensive coverage of all subjects associated with power

engineering
 *A one-stop
 reference
 resource for
 power drives,
 their controls,
 power transfer
 and
 distribution,
 reactive
 controls,
 protection
 (including
 over voltage
 and surge
 protection),
 maintenance
 and testing
 electrical
 engineering
 CRC Press
 Volume is
 indexed by
 Thomson
 Reuters CPCIS
 (WoS).
 These
 proceedings
 comprise fully-
 refereed
 papers
 presented at

the
 conference.
 The main
 conference
 theme was
 Mechanical
 and
 Aerospace
 Engineering,
 and the main
 goal of the
 event was to
 provide an
 international
 scientific
 forum for the
 exchange of
 new ideas in a
 number of
 fields and for
 in-depth
 discussions
 with peers
 from around
 the world.
 Core areas of
 mechanical
 and aerospace
 engineering
 are covered,
 together with
 multidisciplina

ry,
 interdisciplinary
 y research
 and
 applications;
 thus making
 the work an
 excellent
 guide to those
 topics.
Research and
 Development
 Springer
 This book
 comprises the
 select
 proceedings of
 the
 International
 Conference on
 Future
 Learning
 Aspects of
 Mechanical
 Engineering
 (FLAME 2020).
 This volume
 focuses on
 current
 research in
 fluid and
 thermal

engineering and covers topics such as heat transfer enhancement and heat transfer equipment, heat transfer in nuclear applications, microscale and nanoscale transport, multiphase transport and phase change, multi-mode heat transfer, numerical methods in fluid mechanics and heat transfer, refrigeration and air conditioning, thermodynamics, space heat transfer, transport

phenomena in porous media, turbulent transport, theoretical and experimental fluid dynamics, flow measurement techniques and instrumentation, computational fluid dynamics, fluid machinery, turbo machinery and fluid power. Given the scope of its contents, this book will be interesting for students, researchers as well as industry

professionals. **Fundamentals of Heat and Mass Transfer:** Engineering Heat Transfer Engineering Heat Transfer Computer. Engineering Heat Transfer This book presents the select proceedings of the International Conference on Functional Material, Manufacturing and Performances (ICFMMP) 2019. The book covers broad aspects of several topics involved in the metrology and

measurement of engineering surfaces and their implementation in automotive, bio-manufacturing, chemicals, electronics, energy, construction materials, and other engineering applications. The contents focus on cutting-edge instruments, methods and standards in the field of metrology and mechanical properties of advanced materials. Given the scope of the topics, this

book can be useful for students, researchers and professionals interested in the measurement of surfaces, and the applications thereof.

Bubbles, Drops, and Particles in Non-Newtonian Fluids, Second Edition New

India
Publishing Agency
This book gives a comprehensive overview of the rapidly evolving field of three-dimensional

(3D) printing, and its increasing applications in the biomedical domain. 3D printing has distinct advantages like improved quality, cost-effectiveness, and higher efficiency compared to traditional manufacturing processes. Besides these advantages, current challenges and opportunities regarding choice of material, design, and efficiency are addressed in the book. Individual

chapters also focus on select areas of applications such as surgical guides, tissue regeneration, artificial scaffolds and implants, and drug delivery and release. This book will be a valuable source of information for researchers and professionals interested in the expanding biomedical applications of 3D printing.

Industrial Power Engineering Handbook The Energy and Resources Institute (TERI) This book gathers selected contributions in the field of civil and construction engineering, as presented by international researchers and engineers at the 2nd International Scientific Conference on Socio-Technical Construction and Civil Engineering (STCCE), held in Kazan, Russia on April 21-28 2021. The book covers a wide range of topics including building constructions and structures, bridges, roads and tunnels, building materials and products, construction management, energy efficiency and thermal protection of buildings, ventilation, air conditioning, gas supply and lighting in buildings, innovative and smart technologies in construction, sustainable development, transport system development.

The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations. Indian Journal of Technology Springer Nature Naturally burning coal fires and those ignited by human activities receive little attention from the media

compared to other environmental hazards, but their study is gaining ground. Here, the world's leading experts present their research findings covering topics such as the gases generated in underground coal fires, the origin of gas-vent minerals and land-cover changes due to coal fires. Bulletin of the Institution of Engineers (India). Geological Society of America

Bubbles, Drops, and Particles in Non-Newtonian Fluids, Second Edition continues to provide thorough coverage of the scientific foundations and the latest advances in particle motion in non-Newtonian media. The book demonstrates how dynamic behavior of single particles can yield useful information for modeling transport processes in complex multiphase

flows. Completely revised and expanded, this second edition covers macroscopic momentum and heat/mass transfer from a single rigid or fluid particle or ensembles of particles involving strong inter-particle interactions including packed beds, fluidized beds, and porous media with different types of non-Newtonian fluids. It reflects advances made since the publication of the previous, bestselling edition with new material on topics such as extensional flow; time-independent, time-dependent and visco-elastic fluids; free settling behavior of non-spherical particles; and particle motion in visco-elastic and visco-plastic fluids, boundary layer flows, flows in porous media, and falling object rheometry. An excellent reference and handbook dealing with the technological aspects of non-Newtonian materials encountered in nature and in technology, this book highlights qualitative differences between the response of a Newtonian and non-Newtonian fluids in the complex flows encountered in processing applications. *Advances in Metrology and Measurement of Engineering Surfaces* Woodhead Publishing This book

presents the select proceedings of the 3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICCEMME 2020). The book discusses the recent researches and concrete findings in the field of mechanical

design and automation with its allied branches. Various topics covered in this book include modeling and simulation, application of modelling to complex real-world systems, application of machine or deep learning in mechanical problems, artificial intelligence,

vehicle design, robotics, vehicle dynamics and control, biomechanics, and vibration-related problems. Given its content, the book will be useful for beginners, researchers, and professionals interested in the field of mechanical engineering.