

Title of the book

Thermal Engineering

Author:

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About the Book

In a world driven by the pursuit of energy efficiency and sustainability, understanding the principles of Thermal Engineering has become indispensable. This book Thermal Engineering serves as a comprehensive guide into the intricate realm of heat transfer, thermodynamics, and energy conversion processes. From fundamental concepts to advanced applications, it navigates readers through the complexities of thermal systems with clarity and depth. Whether you're a student delving into the subject for the first time or a seasoned practitioner seeking to broaden your expertise, this book offers invaluable insights and practical knowledge. I owe a debt of gratitude to our colleagues, who were chiefly instrumental in favouring me to undertaking this work. Valuable comments and Suggestions for the book will be acknowledged with thanks.

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ABOUT THE AUTHOR



Dr S A Mohan Krishna, is a Mysore based academician, an associate professor in the Department of Mechanical Engineering at VidyaVardhaka College of Engineering, Mysuru, India. He has been awarded with numerous state, national and international awards for engineering education, science popularization and communication. He has been in the editorial board for many prolific national and international journals. He is known for his works in the thermal engineering, science popularization and astronomy. Mohan Krishna completed Bachelor of Engineering from one of the prestigious institutions in Mysuru, VidyaVardhaka College of Engineering (VVCE) in 2003, Karnataka, India. M Tech in Energy Systems from Sri Jayachamarajendra College of Engineering (SJC), Mysuru, Karnataka, India in 2010, presently JSS University of Science & Technology and completed Ph. D from The National Institute of Engineering (NIE), Mysuru, Karnataka, India in 2017.

His area of interest in both teaching and research is mainly Thermal Engineering. Dr. Mohan Krishna has published over 100 papers in peer reviewed international journals and has presented papers at Qatar (ICAMR), Bangkok and Singapore (ICMAT) in international conferences and also national conferences in various parts of India. Few of his papers have very good citation and have been indexed in many international indexing agencies. He is in the editorial and reviewer board for over 110 reputed referred national and international journals including the most prominent namely Scopus, Thomson Reuters, Taylor & Francis, ASME, ASM International, Science Citation Index, Web of Science, Elsevier and Springer. Earlier, he had authored his three books in the stream of engineering with the titles, 'A Text Book on Cryogenics', 'A Book on Illustrative Problems in Engineering Thermodynamics' and 'A Book for Competitive Examinations in Mechanical Engineering: A book on Computational Fluid Dynamics' is in pipeline. He was also in the technical advisory committee for the international conferences held at Taiwan, South Korea, Vancouver and New Delhi. He has international affiliations, association and collaboration with nations namely USA, Budapest (Hungary), Johannesburg (South Africa), France, Germany, Iran, United Kingdom, China, Hong Kong, Taiwan, Italy, Netherlands, Belgium, South Korea, Virginia, Singapore and Malaysia. He is also a research supervisor and is currently guiding two research scholars.

He is a life member, honorary member & fellow for American Society of Mechanical Engineers, American Society of Thermal & Fluid Engineers, South Asia Institute for Science & Engineering, Hong Kong, International Association of Engineers, USA, International Institute of Aeronautics & Astronautics, USA, Senior Member of Electrical & Electronics Engineering Institute for Engineering Research & Publication, Communication Institute, Greece, National Society of Professional Engineers, Global Scientific Innovative Research, Malaysia, International Council of Academies of Engineering and Technological Sciences, Indian Society of Heat and Mass Transfer, National Society for Fluid Mechanics and Fluid Power, Indian Society for Technical Education (ISTE), REST Society for Research International, Institution of Engineers (IIE), Indian Society of Mechanical Engineers (ISME), Society of Automotive Engineers (SAE), Aeronautical Society of India, International Association for Engineering & Technology, IET, Confederation of Indian Industries, The Indus Entrepreneurs, Quality Circle Forum of India, Federation of Karnataka Chambers of Commerce and Industry (FKCCI), The Indus Entrepreneurs, Confederation of Indian Industries, Quality Circle Forum of India, International Scientific Research Organization for Science, Engineering & Research, International Institute of Organized Research, and Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE).

Dr Krishna is the recipient of NIE Gold Medal, Dr Raj Achievement Technology Award, Bharataratna Sir M Visvesvaraya Achievement Award, Dr A P J Abdul Kalam Achievement Award, Dr S Radhakrishnan Education Award, Dr Satish Dhawan Excellence Achievement award, Sir CV Raman Lifetime Achievement award, ISHRAE Chapter Service award, Dr Raja Ramanna award, Dr. U R Rao Achievement International Excellence award, Dr. M G K Menon International Excellence award, Outstanding Performance Award, IARE award, International Teachers' Excellence Achievement award, Professional Excellence International award, Best Teacher award, National Eminent Educator award, Dedicated Educator award, IABE award, Outstanding Researcher award, Sir J C Bose International Excellence award, RSRI Researcher award, Best Teacher and Researcher award and many more which have been conferred to him in the field of science, education, engineering, astronomy, and technology by various prestigious and premier associations and professional bodies. He has been awarded state, national and international awards with recognition to his achievements in Science, Engineering, Education, and Astronomy. He has been given three honorary doctorates by three vocational varsities. Since 1997, he started delivering lectures when he was an engineering student. He has given over 250 programmes in television and radio too and has delivered over 1000 talks in Science, Education, Engineering, Astronomy and general topics. Contributed over 3000 science, technology and astronomy articles in popular newspapers, magazines and periodicals and is comprehensively aiming to reach greater heights.



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