Collection Highlights 2022: An online reading list from the IET Library

These ebooks and ejournals, available via the IET Virtual Library are the most popular titles chosen from 2022 covering a wide range of engineering topics.
This book provides an overview of the development of new solutions and products that address key topics, including electric/hybrid vehicles, ultrafast battery charging, smart grids, renewable energy, peak shaving, and reduction of energy consumption.


The Leader Lab: Core Skills to Become a Great Manager, Faster, Luna, T., and Renninger, L., (2021). This book is based on LifeLabs Learning's successful workshop series. It combines research, tools, and an approachable style that makes it a valuable professional resource.


Reliability, Maintainability and Risk - Practical Methods for Engineers (9th Edition), Smith, D. J., (2017). This book provides engineers with the safety and risk assessment tools and techniques they need to work effectively in any safety or reliability critical environment.

This book brings together over 100 years of combined experience in the specialist areas of power engineering to offer a fully revised and updated expert guide to total power solutions.

This practically-oriented, all-inclusive guide covers all the major enabling techniques for current and next-generation cellular communications and wireless networking systems.


Sir Francis Ronalds: Father Of The Electric Telegraph, Ronalds, B. F., (2016). Telecommunication has undergone unprecedented change in recent times. Sir Francis Ronalds foresaw its development. His subsequent creations, the most important of which include an early version of the telegraph, have had significant impact on modern living.

Introduction to Python for Science and Engineering, Pine, D. J., (2019). This guide offers a quick and incisive introduction to Python programming for anyone. The author has carefully developed a concise approach to using Python in any discipline of science and engineering.

Ebooks (provided by EBSCO and Knovel)

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Ejournals (provided by EBSCO)

Energies. Covers topics related to energy sources, systems, policy, and management.

Harvard Business Review. Presents analysis of management problems and practice in all fields of management and administration.

International Journal of Production Research. Deals with technology and fundamental behaviour of production resources.

Wireless Communications and Mobile Computing. A forum for sharing research and ideas in the telecommunications and networking industries.

Polymers. Covers analysis and research across a wide range of topics within organic chemistry.

Advances in Materials Science & Engineering. Publishes original research on all areas of materials science and engineering.

Astronomy. Publishes original astronomical research, with an emphasis on significant scientific results derived from observations.

Railway Gazette International. Dedicated to reporting news, analysing trends, and campaigning for development and investment in the rail industry.

Electrical Engineering. Features original articles drawn from the entire range of electrical and electronic engineering, including related fields in mathematics and physics.

Journal of Civil Engineering and Management. Fields of research concerning building materials, structure mechanics, road and bridge engineering and more.

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