Collection Spotlight: An online reading list from the IET Library

These ebooks and ejournals, available via the IET Virtual Library, have been selected to highlight some of the most popular titles used by our members as well as new additions to the collection, covering a wide range of engineering topics.
Ebooks (provided by EBSCO and Knovel)

Nanotechnology for Smart Concrete, Ghasan Fahim Huselien, Nur Hafizah A. Khalid and Jahangir Mirza. (2022). This book discusses the advantages and applications of nanomaterials in the concrete industry, including self-healing, energy storage, and coatings.

Nuclear Power Plants: Recent Progress and Future Directions, John K. Compton. (2022). In this volume, recent research on nuclear power plants is presented across four chapters covering a range of topics relating to nuclear power plants in an accessible way.

Electrical Engineering Fundamentals, S. Bobby Rauf. (2020). Through this book, the reader will gain a clear and strong grasp of electrical engineering fundamentals, and a better understanding of electrical engineering terms, concepts, principles, laws, analytical techniques, solution strategies, and computational techniques.


High Voltage Direct Current Transmission, Dragan Jovcic. (2019). This new edition covers all HVDC transmission technologies including Line Commutated Converter (LCC) HVDC, Voltage Source Converter (VSC) HVDC, and the latest VSC HVDC based on Modular Multilevel Converters (MMC), as well as the principles of building DC transmission grids.

Energy Storage Devices for Renewable Energy-Based Systems - Rechargeable Batteries and Supercapacitors, Nihal Kularatna and Kosala Gunawardane. (2021). This is a fully revised edition of this comprehensive overview of the concepts, principles and practical knowledge on energy storage devices.

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.

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.

Business Strategy and the Environment. Original contributions which add to the understanding of business responses to improving environmental performance. Of interest to a broad interdisciplinary audience.

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.

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