

Collection Highlights 2021: An online reading list from the IET Library



These ebooks and ejournals, available via the [IET Virtual Library](https://theiet.org/virtual-library), are the most popular titles chosen from 2021 covering a wide range of engineering topics.

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Ebooks (provided by EBSCO and Knovel)

[Electric Powertrain: Energy Systems, Power Electronics and Drives for Hybrid, Electric and Fuel Cell Vehicles, John G. Hayes and G. Abas Goodarzi. \(2018\).](#) The why, what and how of the electric vehicle powertrain empowers engineering professionals and students with the knowledge and skills required to engineer electric vehicle powertrain architectures, energy storage systems, power electronics converters and electric drives.

[Ugly's Electrical References, Charles R. Miller \(2020\).](#) Offering the most pertinent, up-to-date information used by electricians, including: table change information, mathematical formulas, NEMA wiring configurations, ampacity and conduit fill information, and conversion tables.

[Textbook of Renewable Energy, Bhatia, S. C., Gupta, R. K. \(2018\).](#) A comprehensive guide to renewable energy technologies.

[Energy Storage: Systems and Components, Rufer, A.. \(2018\).](#) 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.

[Practical Guide to Inspection, Testing and Certification of Electrical Installations, Kitcher, C. \(2019\).](#) This book covers everything you need to learn about inspection and testing, with clear reference to the latest updates to the legal requirements and wiring regulations.

[Transmission and Distribution Electrical Engineering, Bayliss, C.R. and Hardy, B.J. \(2012\).](#) Utilising examples from real-life systems and challenges, this book clearly and succinctly outlines fundamental knowledge requirements for working in this area.

[Electrical Engineer's Reference Book, Laughton, M.A. and Warne, D.F.. \(2003\).](#) A vital reference book covering materials, processes, power electronics, power generation, power systems and much more.

[Building Services Handbook, Hall, Fred and Greeno, Roger. \(2017\).](#) This book summarises the application of all common elements of building services practice, technique and procedure, to provide an essential information resource for students and practitioners.

[Hydraulics and Pneumatics - A Technician's and Engineer's Guide, Parr, Andrew. \(2011\).](#) This book is a guide to the successful operation of hydraulic and pneumatic systems for all engineers and technicians working with them.

[Advanced PID Control, Åström, Karl J. and Hägglund, Tore. \(2006\).](#) Design of PID controllers are brought into the mainstream of control system design by focusing on requirements that capture effects of load disturbances, measurement noise, robustness to process variations and maintaining set points.

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.

[California Management Review.](#) Focused on bridging communication between those who study management and those who practice it.

[Systems Engineering.](#) Publishes multidisciplinary information on systems engineering and management of products and services.

[Sustainability.](#) Provides an advanced forum for studies related to sustainability and sustainable development.

[EC&M Electrical Construction and Maintenance.](#) Articles and product news for electrical engineers and contractors.

[Control Engineering.](#) For engineers in all industries who design and maintain control and instrumentation systems for automated process and manufacturing solutions.

[International Journal of Production Research.](#) Deals with technology and fundamental behaviour of production resources.

[Journal of Product Innovation Management.](#) Articles on effective management practices.

[Tribology & Lubrication Technology.](#) Features articles, case studies, best practice analyses, industry surveys and interviews with leading professionals.

[Wireless Communications and Mobile Computing.](#) A forum for sharing research and ideas in the telecommunications and networking industries.



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