

ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING INFORMATION SOURCES QUICK GUIDE

Books

You can search for books in the Library by looking on the Library catalogue: <http://www.brad.ac.uk/library> See **reading lists online** for books recommended for individual modules.

Dwivedi, H. Clark, C. Thiel, D. (2010) *Mobile application security*. New York: McGraw-Hill
Classmark: L681.31.025.3 DWI

Du, K. and Swamy, M.N.S. (2010) *Wireless communication systems from RF subsystems to 4G enabling technologies*. Cambridge: Cambridge University Press.
Classmark: W621.396.931 DU

Whitaker, J.C. (2007) *AC power systems handbook*. Boca Raton: Taylor & Francis
Classmark W621.3211 WHI

eBooks

Type the titles into the Library catalogue and follow the hyperlink to connect to the ebook. Alternatively go to **eResources and Databases** and search Knovel. (A collection of Civil Engineering eBooks.)

Laughton, M.A. and Warne, D.F. (2003) *Electrical Engineers reference book*. Knovel. [Online]. Available at: <http://knovel.com> (Accessed: 21st July 2011)

Warne, D.F. (2005) *Newnes electrical power engineers handbook*. Knovel. [Online]. Available at: <http://knovel.com>

Encyclopaedias and Dictionaries

Dharma, P., Agrawal and Bin Xie (ed.) (2010) *Encyclopedia on ad hoc and ubiquitous computing: theory and design of wireless ad hoc, sensor, and mesh networks*. Singapore: World Scientific

Classmark: W621.396.931.6(03) AGR

Kaplan, S.M. (2004) *Wiley electrical and electronics engineering dictionary*. Hoboken: Wiley

Classmark: W621.3(03) WIL

Journal Titles

Some examples of useful titles the Library subscribes to:

- IEEE signal processing magazine.
- IEEE transactions on pattern analysis and machine intelligence
- IEEE journal on selected areas in communications.
- IEEE journal of selected topics in quantum electronics
- IEEE transactions on industrial electronics

- IEEE transactions on power electronics.
- IEEE journal of solid state circuits
- IEEE communications magazine
- IEEE transactions on information theory
- Pattern recognition
- Probability in the engineering and informational sciences
- Robotica
- Advanced robotics

Information Databases

All the following databases can be found on the Library home page. Follow the link **eResources and Databases**.

IEEE Xplore®:

This is the best place to start. An excellent resource which provides indexing and full text access to IEEE journal articles and conference proceedings.

Compendex®:

This is the first place to look for all engineering research. Compendex is the most comprehensive database for engineering. You can search for journals articles, technical papers and conference proceedings. The material dates back to 1884.

Web of Knowledge:

This has two very useful, scholarly, comprehensive databases within it: Web of Science and Journal Citation Index. Web of science indexes peer reviewed journals. It's a

good multidisciplinary database. It is possible to do a 'citation search'. This function enables you to search for all the papers, which have quoted a particular reference.

ScienceDirect®:

Full text access to over 2,000 peer reviewed journal titles.

Barbour Index Health and Safety:

Full text of a wide range of up to date health and safety documentation, including legislation, regulations, standards and guidance.

ScienceDirect:

Full text access to over 2,000 peer reviewed journal titles.

ACM Digital Library:

Access to the full text of Association of Computing Machinery journal, transactions, proceedings etc.

Conference Proceedings

IEEE Xplore:

Includes conference proceedings in full text.

Web of Science:

Indexes proceedings of conferences.

British Library Integrated Catalogue:

Has an index of UK conference proceedings.

Standards

BSO British Standards Online:

The library has access to all current British Standards in full text via BSOonline. Eurocodes also included.

IEEE standards:

Institute of Electrical and Electronics Engineers are available through IEEEExplore.

ASTM standards American Society for Testing and Materials:

Search their website. Available in the library.

ITU: International telecommunications union:

They allocate global radio spectrum and satellite orbits, develop the technical standards.

Patents

Esp@cenet:

Worldwide coverage from 63 different countries.

Theses and Research

ETHOS:

(Electronic Theses Online Service): Look here to find UK PhD theses which have been digitalised. If Ethos is unable to supply you with the thesis please ask and we might be able to get it via the Inter Library-Loan service.

Bradford Scholars:

Bradford Scholars is an online service designed to host the full text of research materials produced by staff and MPhil/PhD students at the University of Bradford.

Virtual Scholars:

All the university of Bradford dissertations.

Past Exam Papers

Past exam papers are available via Blackboard. To access them log into Blackboard and click on Past Exam Papers under Student Organisations.

Professional Organisations

The Institution of Engineering and Technology (IET) – UK

Institute of Electrical and Electronics Engineers (IEEE) - US

Email alerts

IEEE Xplore:

This service has its own email alerting service.

Zetoc:

Regular updates from the British Library.

Help

If you need any further information or help using all the resources, please contact

Kirsty Carver: Subject Librarian for EDT. Room 1.9 k.carver@bradford.ac.uk

You will also find useful information on the Library Home page.
<http://www.bradford.ac.uk/library>