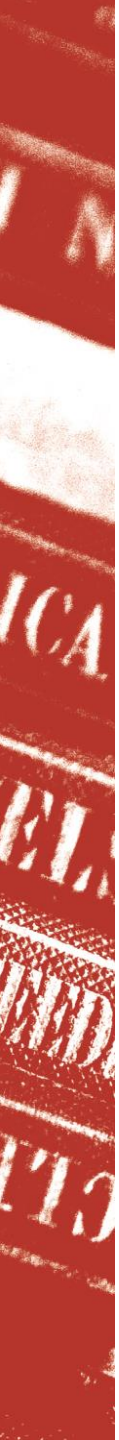
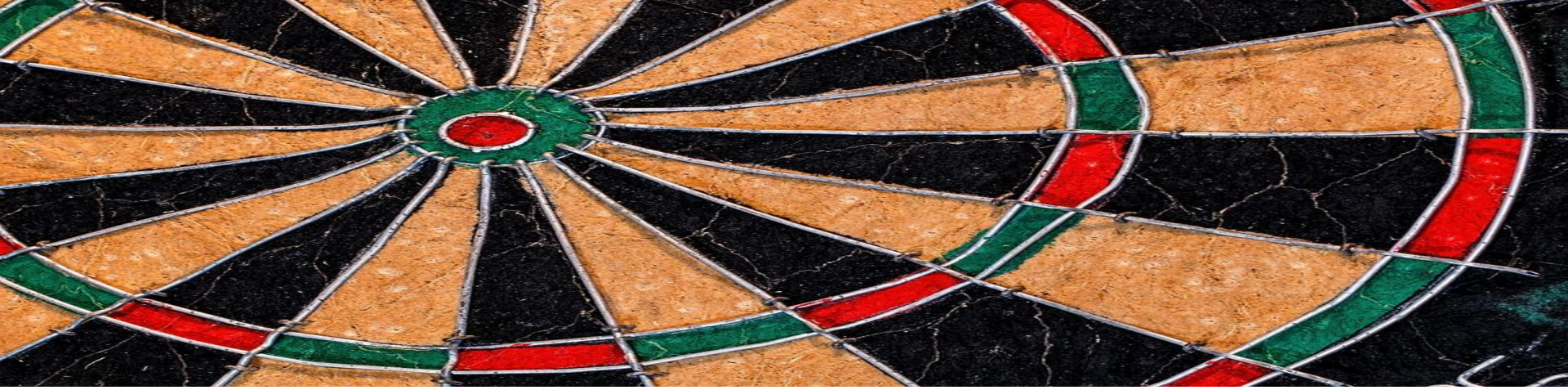


An Introduction to Queen Mary, University of London Library

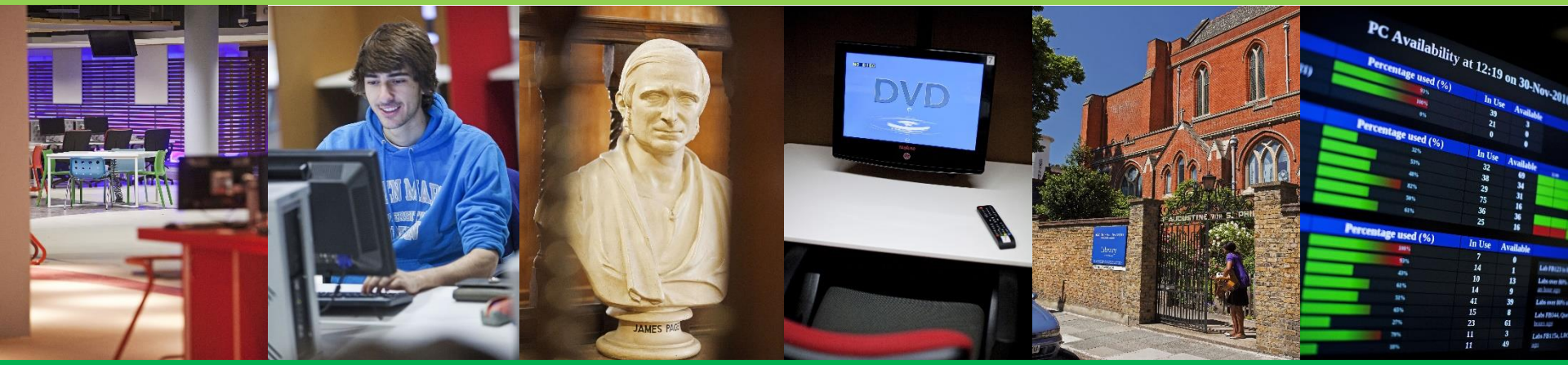
BUPT/QMUL International Joint Degree Programmes - BSc (Eng)



Learning Targets

- Learning the basics about QMUL Library Services
- Familiarity of how to access and make use of Library Subject Guides
- Know how to develop a search strategy
- Know how to access electronic books and journals

Queen Mary Library Services



- Three sites, all in East London, with the Mile End Library supporting the majority of subjects
- Over 100 staff work for Library Services
- 3 Faculty Liaison Librarians

Science & Engineering Faculty Liaison Team

James Soderman – Faculty Liaison Librarian : Science and Engineering

Jack Gain – Information Assistant (Maternity leave cover for Victoria Hart)

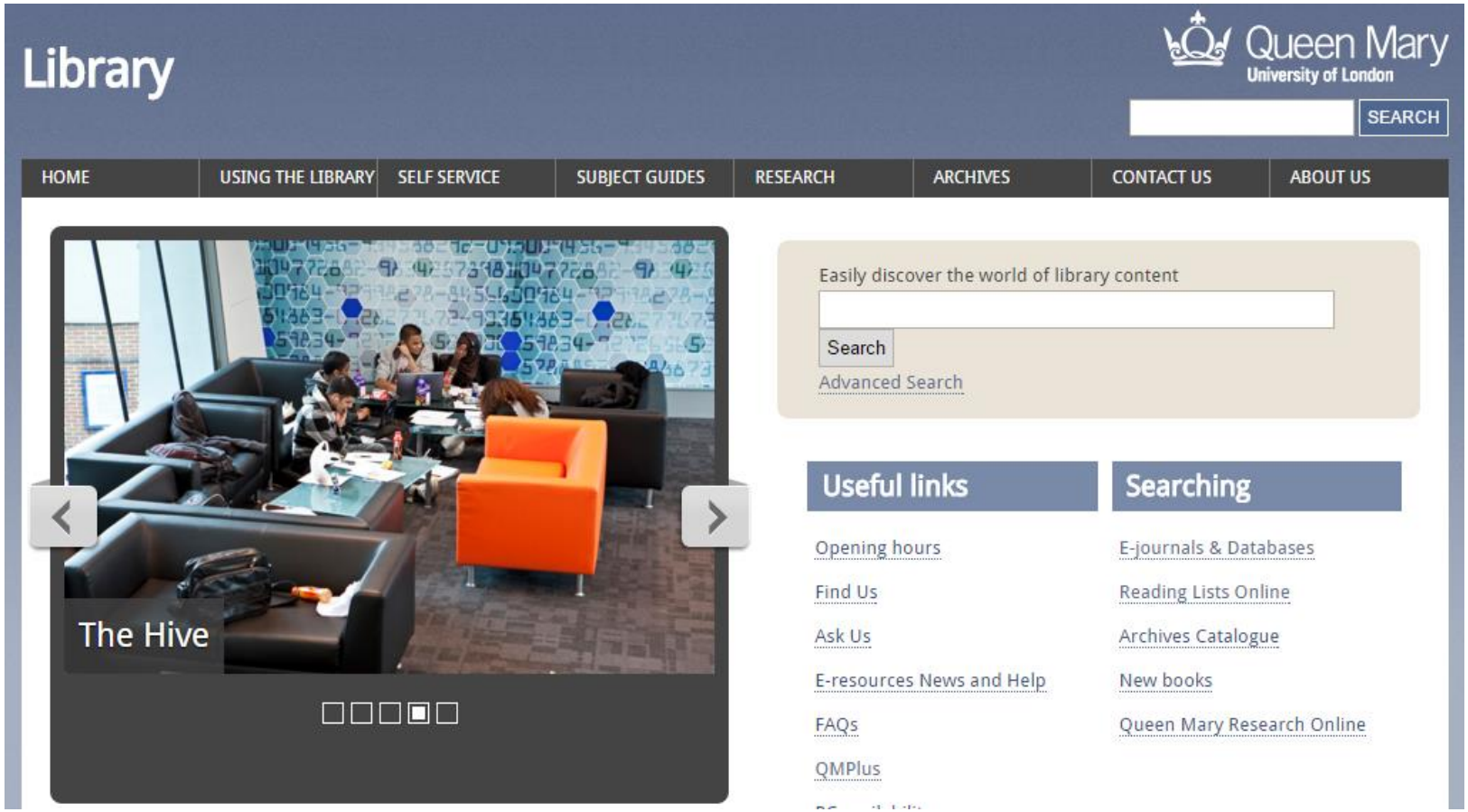
library-sande@qmul.ac.uk

“The largest portion of my work is to teach information literacy to students and staff. Within this remit I do lectures, workshops and 1to1:s, and can also answer questions by email and phone.”

James Soderman – Faculty Liaison Librarian : Science and Engineering

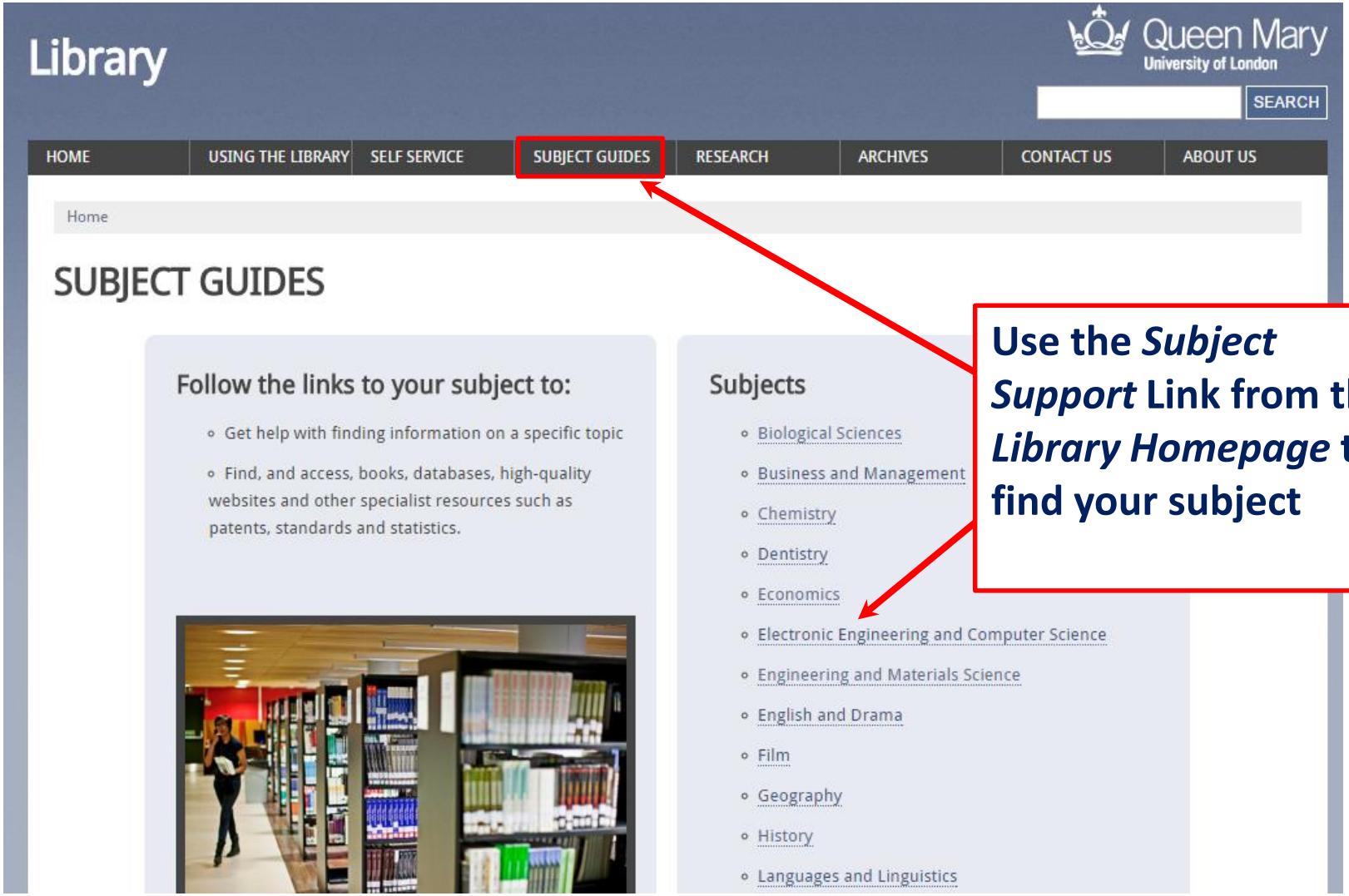
Contact your team:
library-sande@qmul.ac.uk

The Library Website



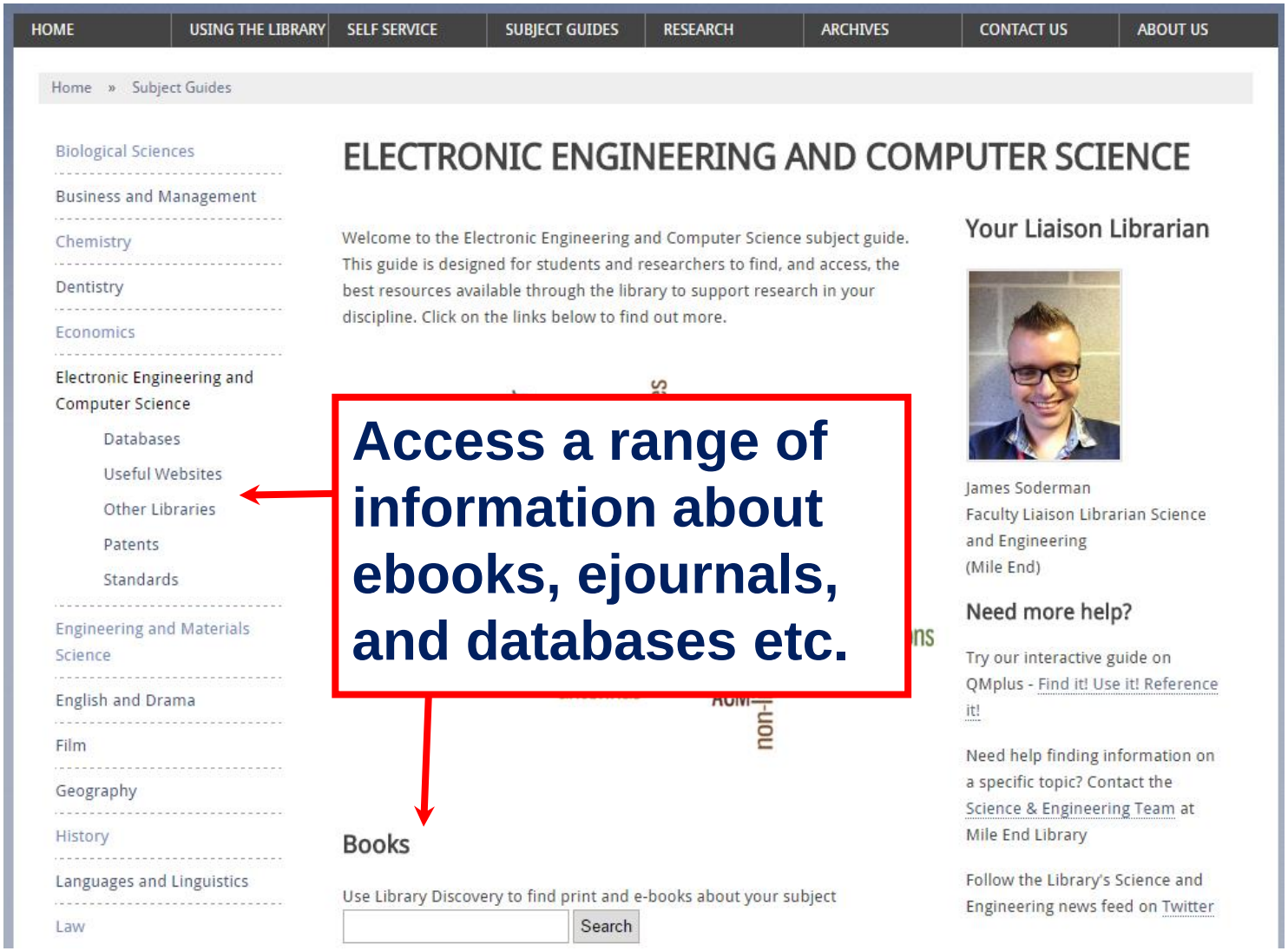
http://www.library.qmul.ac.uk/

Library Subject Guides



Use the *Subject Support* Link from the *Library Homepage* to find your subject

Library Subject Guides



Electronic Resources

- Queen Mary Library Services provides access to various electronic resources, also know as e-resources, including:
  - **Electronic books** (e-books)
  - **Electronic journals** (e-journals)
  - **Databases** (indexes and full text collections)
- See subject pages for EECS resources:
- http://www.library.qmul.ac.uk/subject/eecs

Conditions of Use

The copyright license usually give you right to download single items for personal use while studying at QMUL.

Conditions of Use

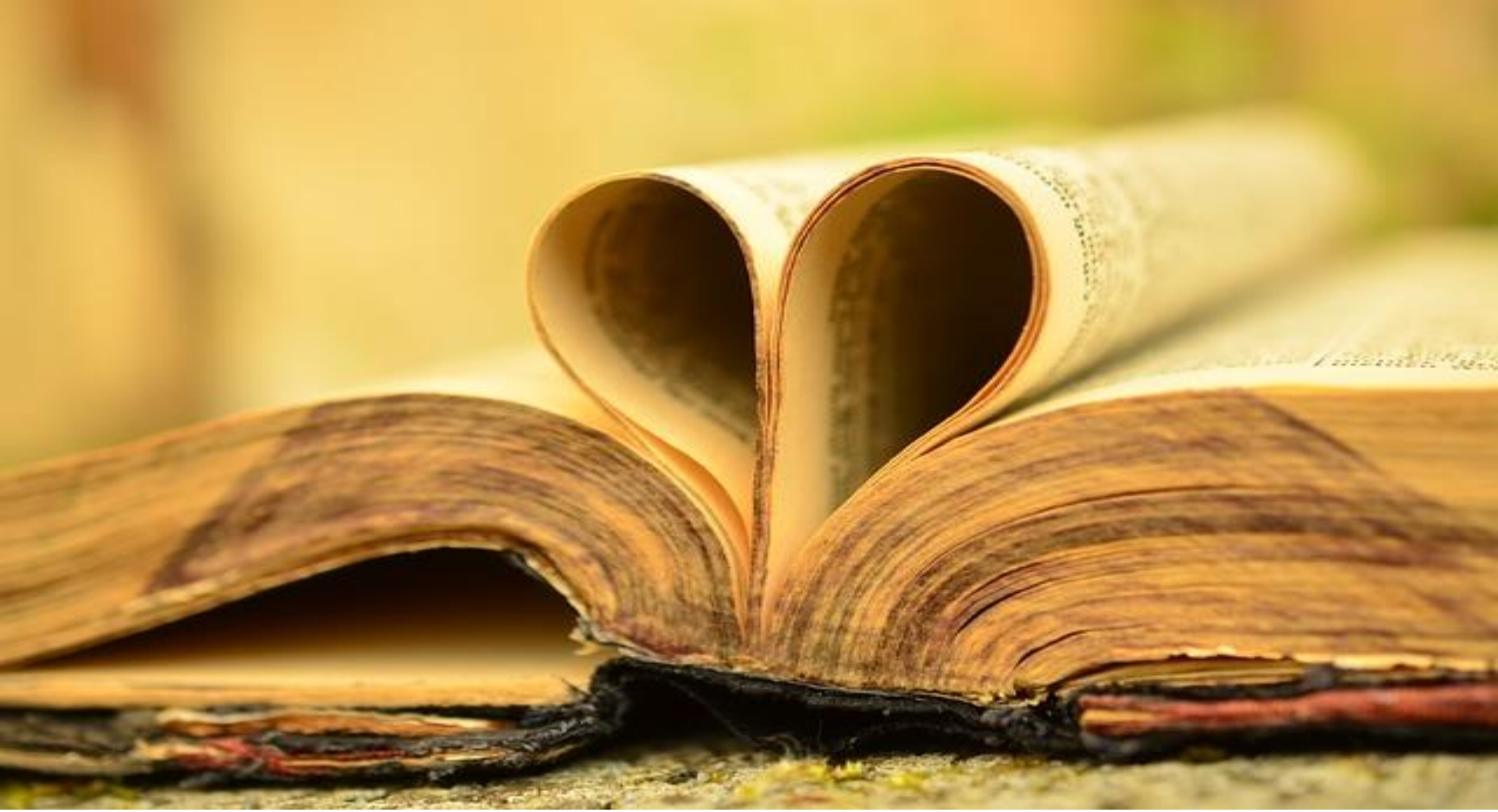
Please do not attempt:

- **Systematic downloading** (e.g. downloading the complete contents of an issue of a journal)
- **Republishing**
- **Re-distribution**
- **Copying or reproduction**
- **Alteration**

http://www.library.qmul.ac.uk/copyright/electronic

Login

- You may need to login using your Queen Mary **IT Services *Student Service*** username and password (the same credentials you use to login to **QMPlus** and **MySIS**)
- Most of our resources are **proxied** and are easiest accessed via the Library website.
- If you enter from any other way please login via the ***Shibboleth*** link.



So what literature should I be looking for?

Academic Information

Characteristics

Author: has some degree of authority in a particular field; typically holds an academic post or is a researcher

Audience: other experts in a particular field, including students of a recognised academic discipline

Purpose: advances study and research by reporting new findings or ideas; increases author's authority and credentials in field

Example: articles published in scholarly, peer-reviewed journals such as the ***Annals of biomedical engineering***

Trade Information

Characteristics

Author: member of a profession or trade but not necessarily a researcher

Audience: members of a particular field or trade

Purpose: informs, promotes, and generally strengthens the profession and enhances knowledge of current professional practice

Example: *Engineering Industries Association Website*
http://www.eia.co.uk/

Technical information – Standards

Standards - Characteristics

Author: Usually written by Standards organisations by experts from the field/trade its covering

Audience: members of a particular field/trade

Purpose: documents tried and tested methods in different industries, and set recommendations on how to best execute what the standard is covering.

Example: Standards issued by IEEE or BSI, try searching in IEEE Explore.

Technical information - Patents

Patents - Characteristics

Author: can be either individual persons or organisations.

Purpose: produced to legally protect inventions from exploitation. During a set period of time the patent holder has exclusive rights to make, sell or use the invention.

Possible uses: patents usually hold a wealth of technical information about the invention they are covering.

Example: to find different European patents go to:
http://www.epo.org/searching/free/espacenet.html

Information Formats

Books including reference books such as encyclopaedias, handbooks and directories

Periodical/journal papers, also called articles

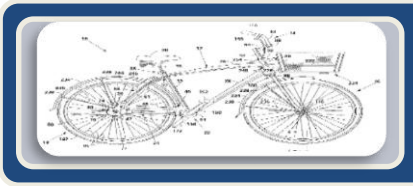
Conference papers, meetings, symposia

Postgraduate theses, called dissertations in USA

Information Formats

Standards

Reports, e.g. NASA reports



Patents

Information available via the Web, e.g. engineering trade and industry information

Talk to an expert

Where do I start?

Define

Defining your search/enquiry

Develop

Developing your search strategy

Be prepared

- Library Catalogues
- Subject Information Databases
- Web search and gateways

Developing a Search Strategy

- A good method of searching more effectively is to prepare a “search strategy” This means choosing and organising search terms that are directly related to the subject you are researching.

Developing a Search Strategy

To search for information effectively you will need to:

- Identify important concepts and choose **keywords**

Search Strategy Exercise

Pick a topic you might want to research. How many words and short phrases can you find that describe the subject in both it's broadest and narrowest terms?

If you spend some time writing these words and phrases down you will have a range of terms to begin searching with.

Developing a Search Strategy

Many subjects are complex. You may need to break your search down into separate concepts, and carry out separate searches for each then combine the results.

e.g. Learning incoherent dictionaries for sparse approximation using iterative projections and rotations

Break down : Incoherent dictionary
Dictionary learning
Sparse approximation
Iterative projections

Developing a Search Strategy

- These may need to include **synonyms**
  e.g. dictionary, glossary, vocabulary

- and **related terms**
  e.g. Lie group methods, mutual coherence, approximation algorithm etc.

Make sure that the terms you decide to include is relevant to your research area.

Truncation (wildcards)

- Search for word variations (eg singular/plural or different spelling):

comput* **finds** computing, computer…

behavi* **finds** behavior, behaviour, behaving

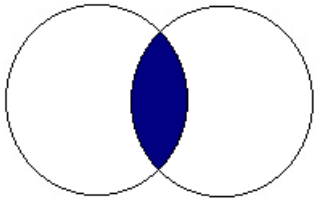
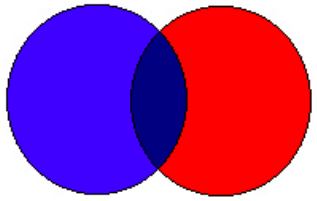
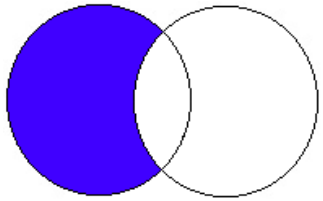
wom?n **finds** woman or women

Phrase Searching

To search for an exact phrase, enclose the phrase in “quotation marks”.

The query **"energy consumption"** will retrieve records that contain the exact phrase *energy consumption*.

Boolean Operators

AND	**computer AND cognitive** 	Search for articles that contain both of the search terms. *Using AND narrows your search*
OR	**computer OR cognitive** 	Search for articles that contain one or both of the search terms (useful for synonyms). *Using OR broadens your search*
NOT	**computer NOT cognitive** 	Search for articles that contain the first term and do not contain the second term. *Using NOT narrows your search*

E-BOOKS

E-books

Queen Mary subscribes to a large number of relevant electronic books, including titles via:

- IET e-books (about 300 titles)
- Knovel Library (about 3500 titles)
- Wiley-IEEE Books via IEEE Xplore (500+ titles)

- Plus many other titles from other publishers, all available via Library Discovery.

Electronic Quick Reference Books

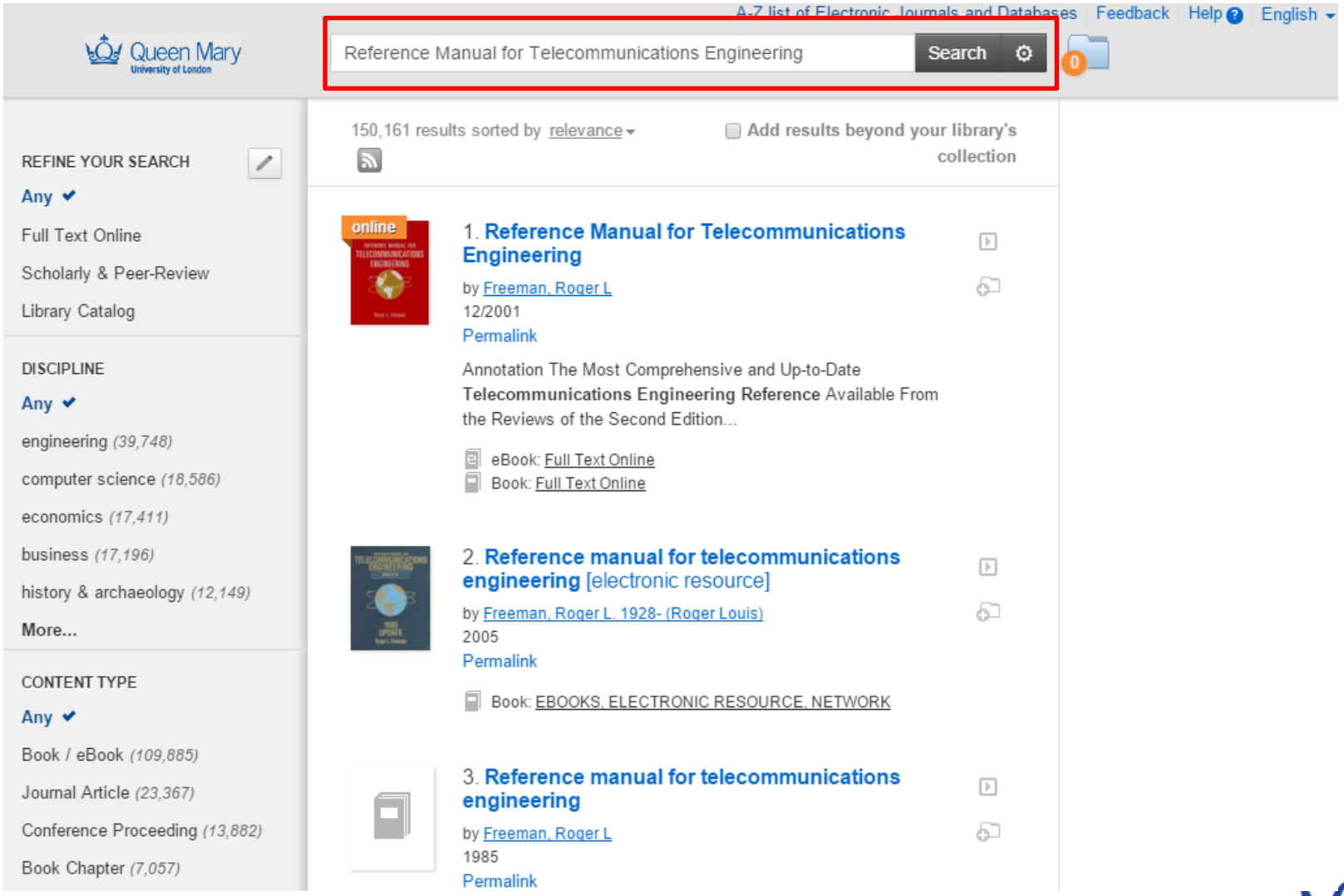
There is sometimes a need to answer a question quickly. There are lots of tools out there for this. Why not use the following key e-reference works?

- *Encyclopedia of Computer Science*
- *Reference Manual for Telecommunications Engineering*.
- *Wiley Encyclopedia of Electrical and Electronics Engineering*

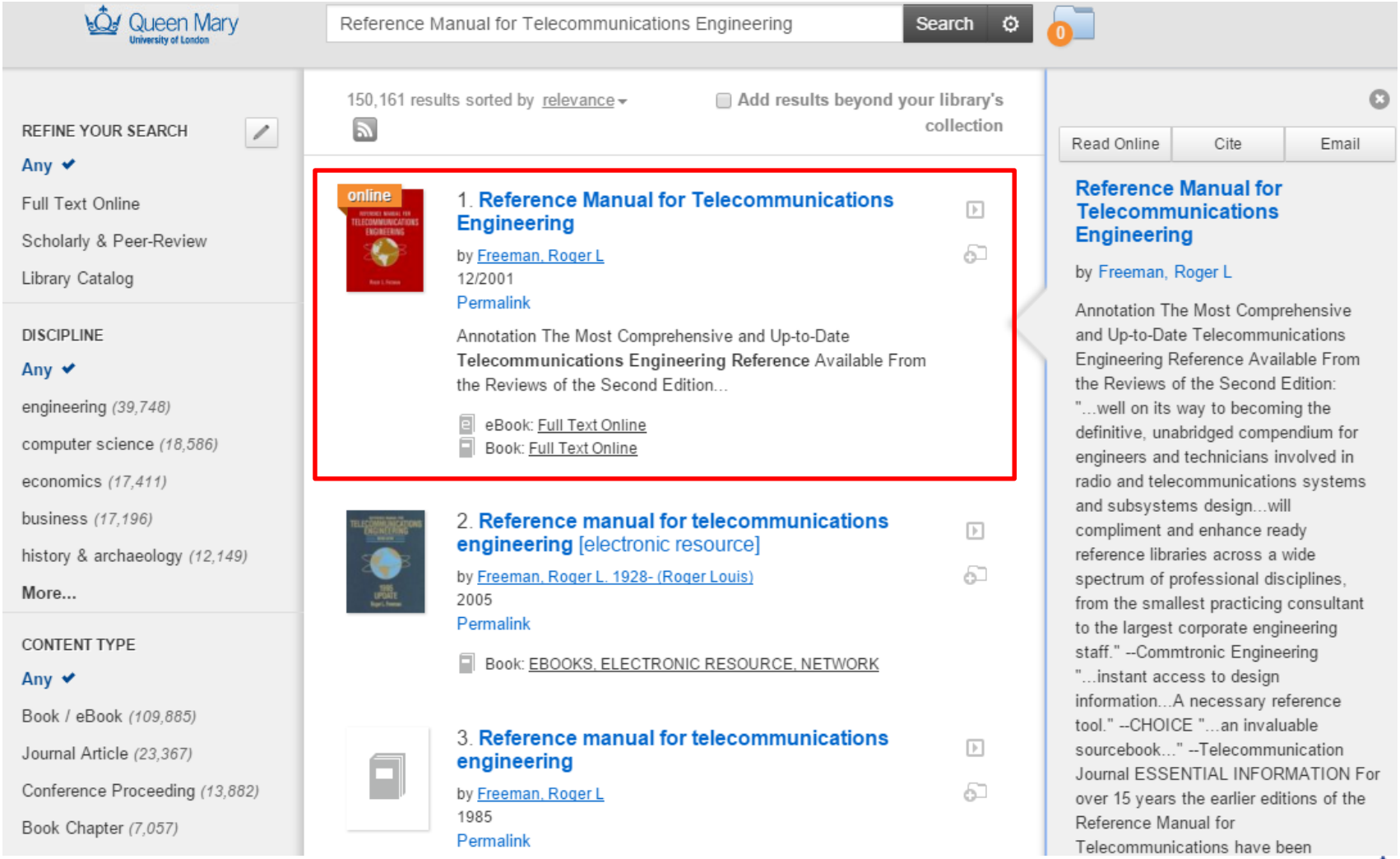
Library Discovery

- The Queen Mary Library Discovery contains records of print items held onsite, as well as records of e-book and e-journal titles (all available offsite)
- Access the Library Discovery via the Library Services website homepage, the EECS books subject page, or directly via:
- http://www.library.qmul.ac.uk/

Library Discovery - Title Search



Library Discovery - Results



360 Link to Full Text

You are looking for

Reference Manual for Telecommunications Engineering

Author:	Freeman, Roger L
Publisher:	Wiley-Interscience [Imprint]
ISBN:	0-471-41718-1, 978-0-471-41718-7
Date:	01/01/2002

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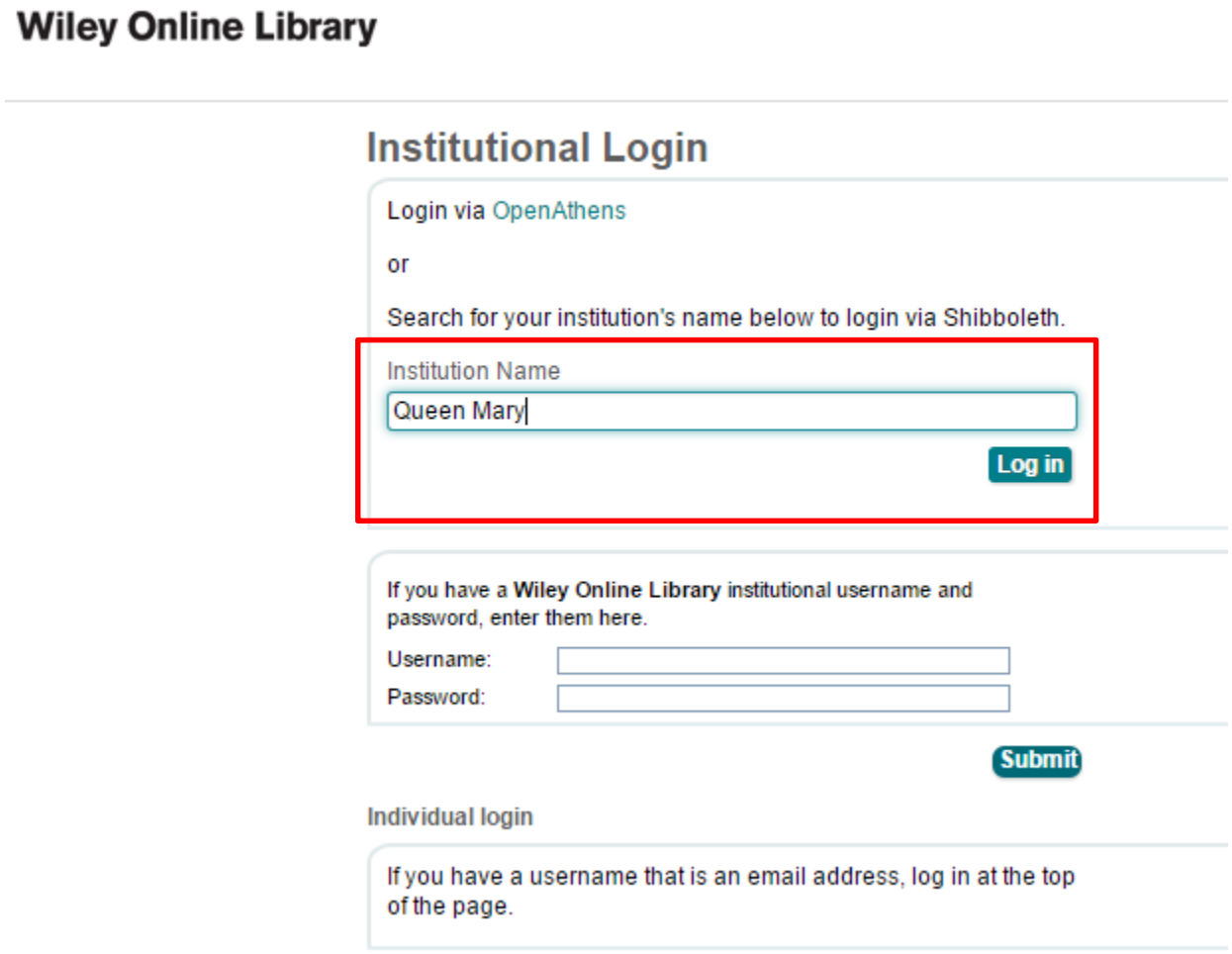

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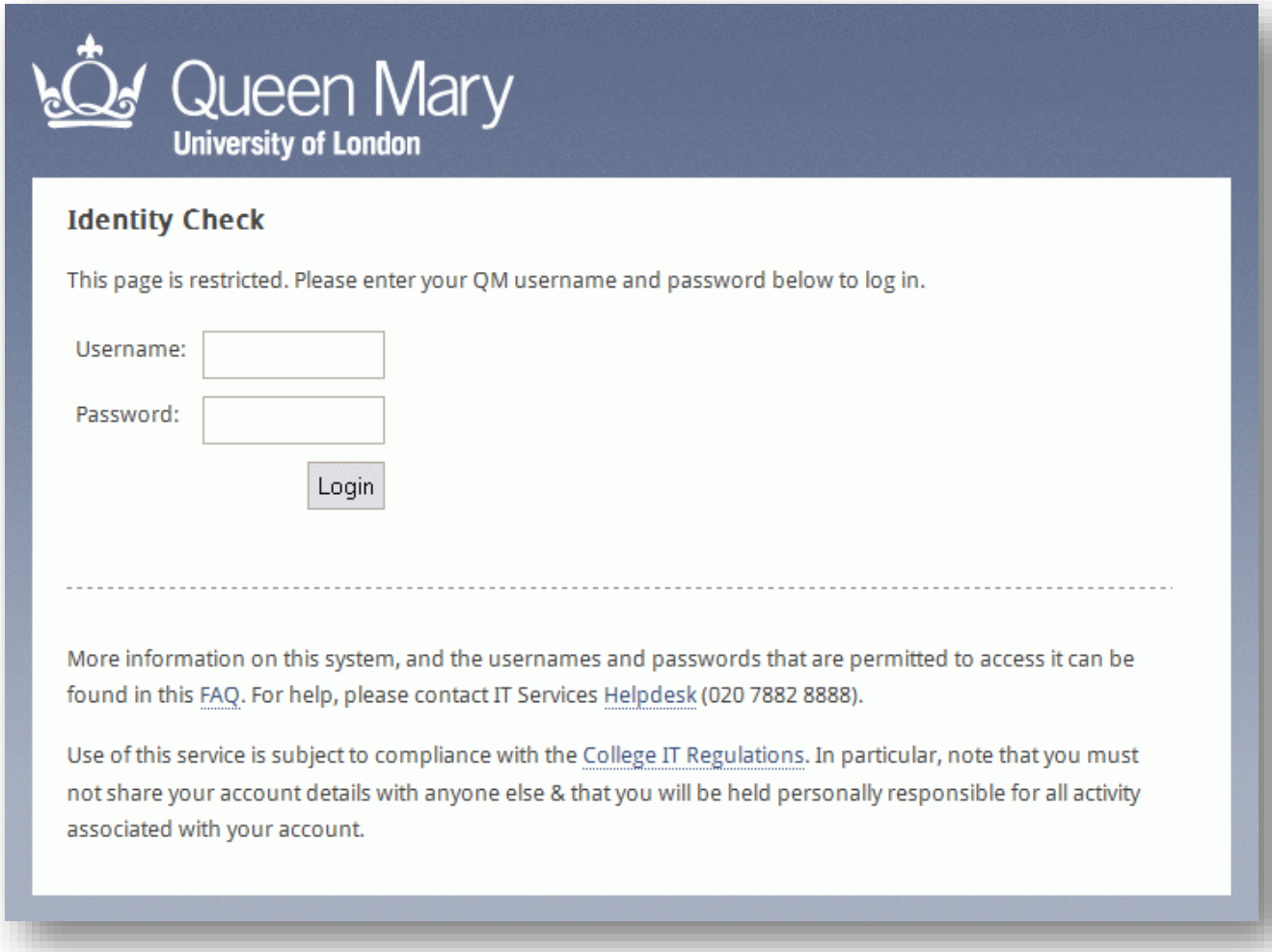
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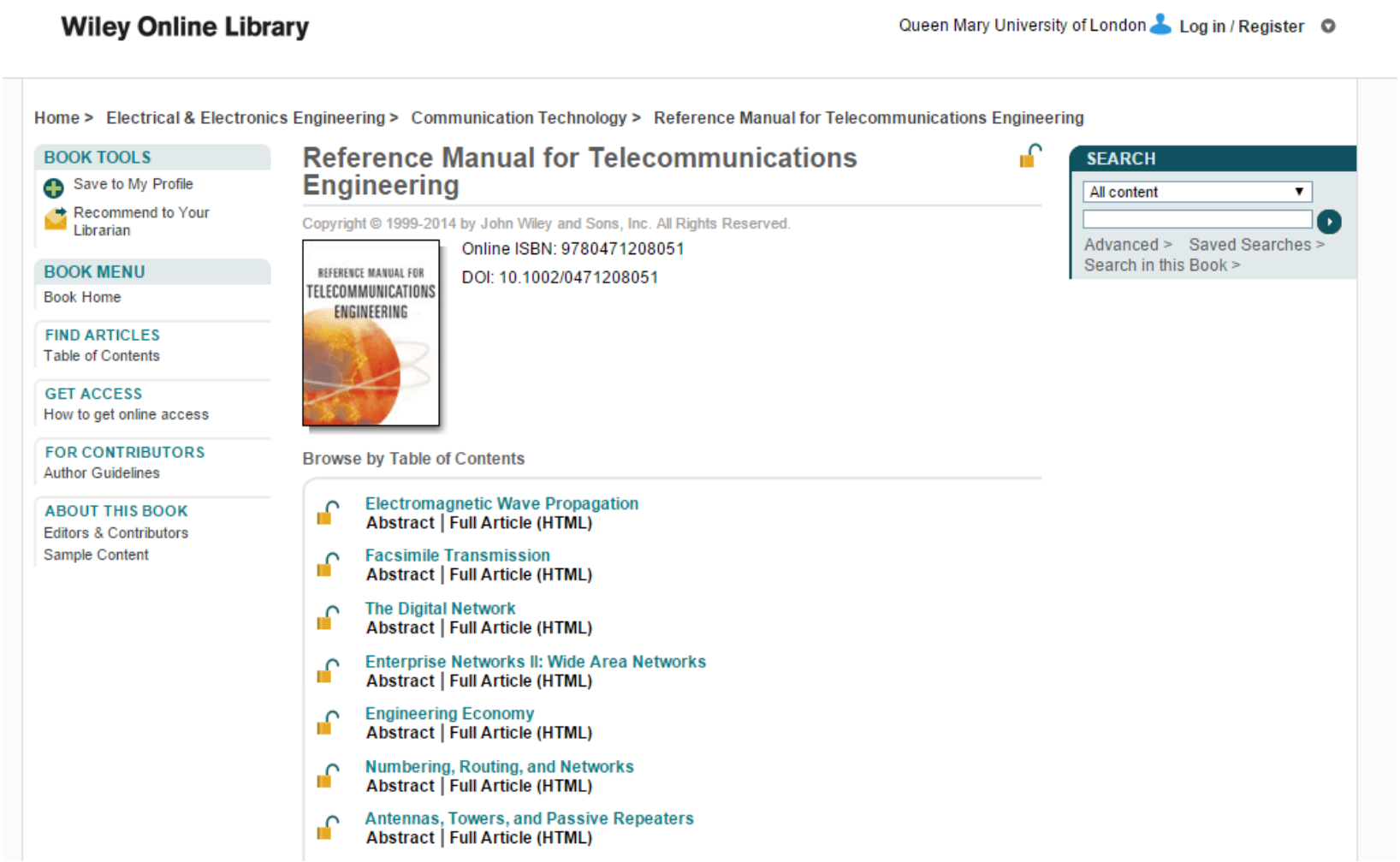
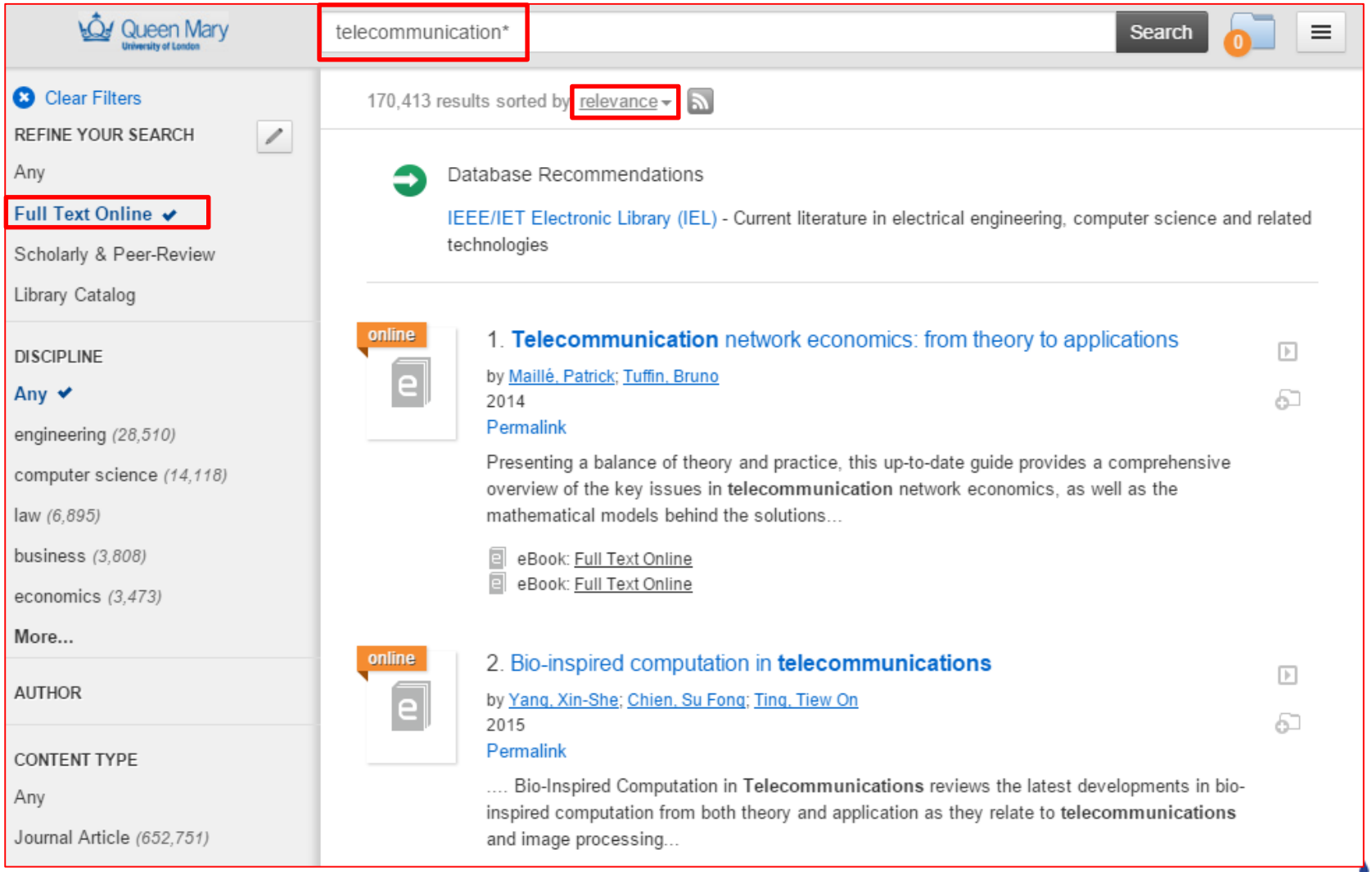
Identity Check
This page is restricted. Please enter your QM username and password below to log in.
Username:
Password:
Login
More information on this system, and the usernames and passwords that are permitted to access it can be found in this FAQ. For help, please contact IT Services Helpdesk (020 7882 8888).
Use of this service is subject to compliance with the College IT Regulations. In particular, note that you must not share your account details with anyone else & that you will be held personally responsible for all activity associated with your account.

Full Text Electronic Book



Catalogue – Subject Search



ELECTRONIC JOURNALS

Electronic Journal Collections

Queen Mary subscribes to about 15,000 e-journal titles, including large collections relevant to BUPT/QM JP students via:

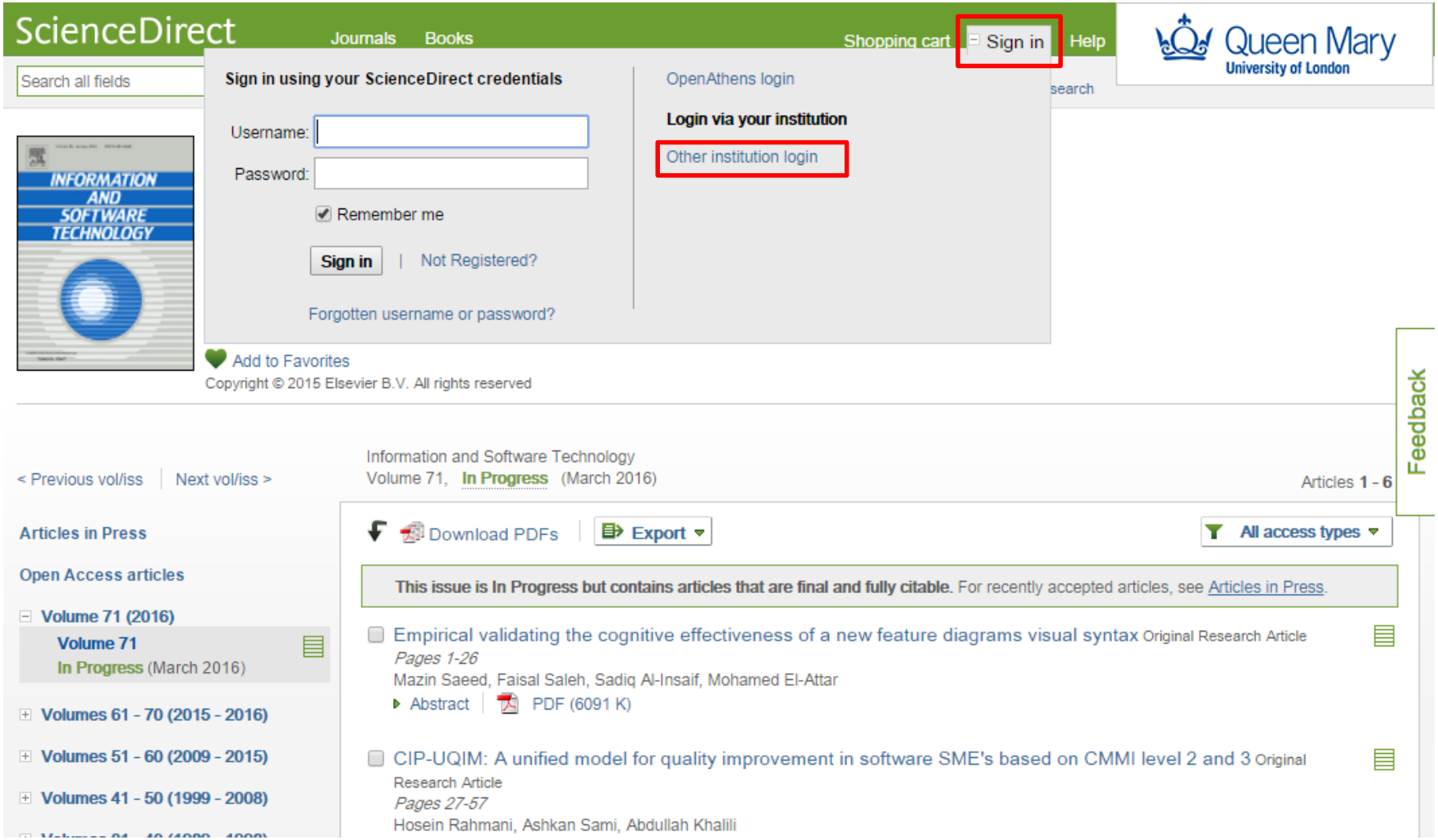
- **ACM Digital Library**
- **Elsevier ScienceDirect**
- **IEEE/IET Electronic Library (IEL)** via IEEE *Xplore*
- **SpringerLink**
- **Wiley Online Library**

Plus relevant titles via many other publishers

Reference / Citation example

Fenton, N, Neil, M, Marsh, W, et al. (2007). Predicting software defects in varying development lifecycles using Bayesian nets. ***Information and Software Technology***, 49(1), 32-43.

E-journal login



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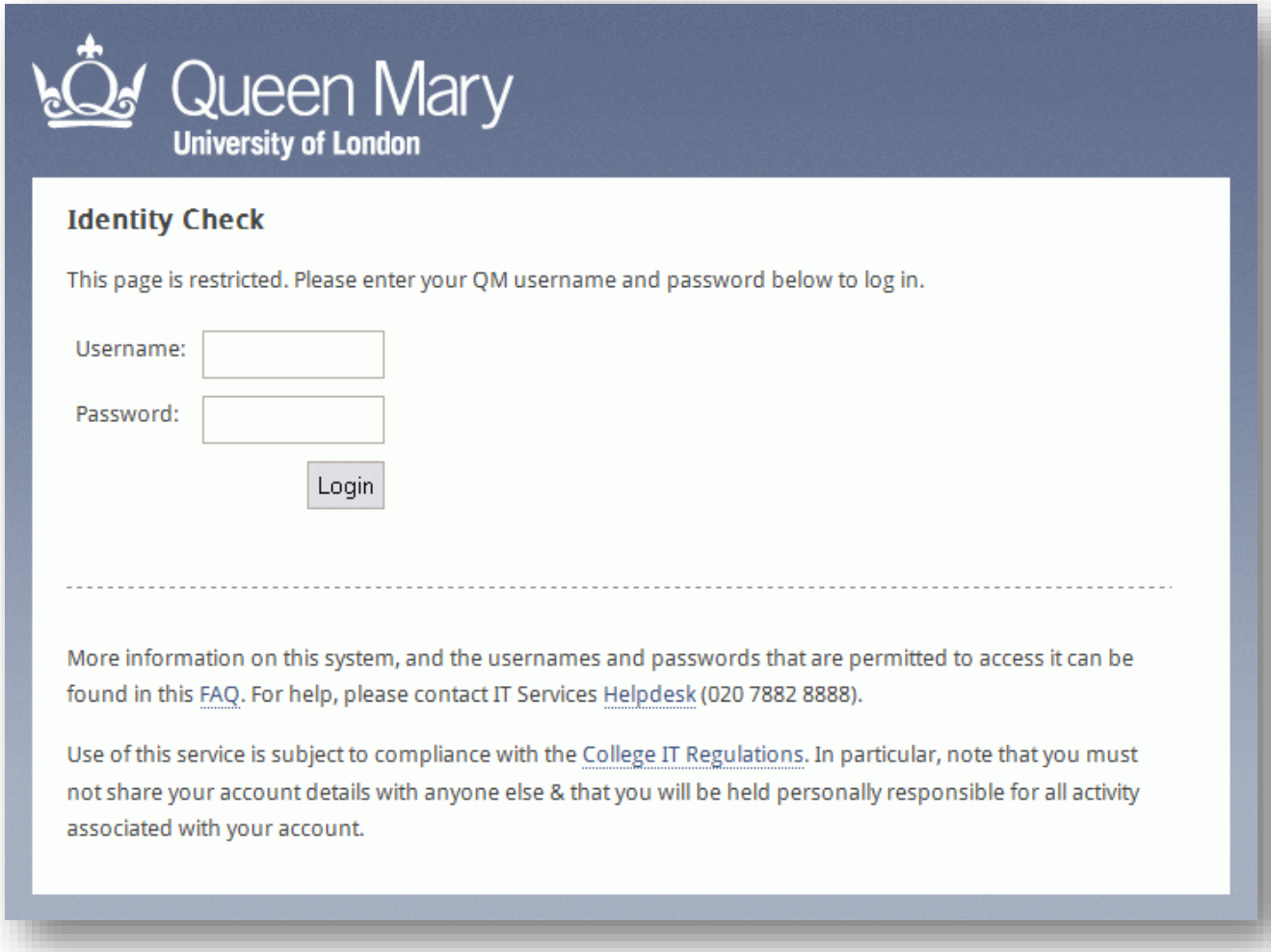

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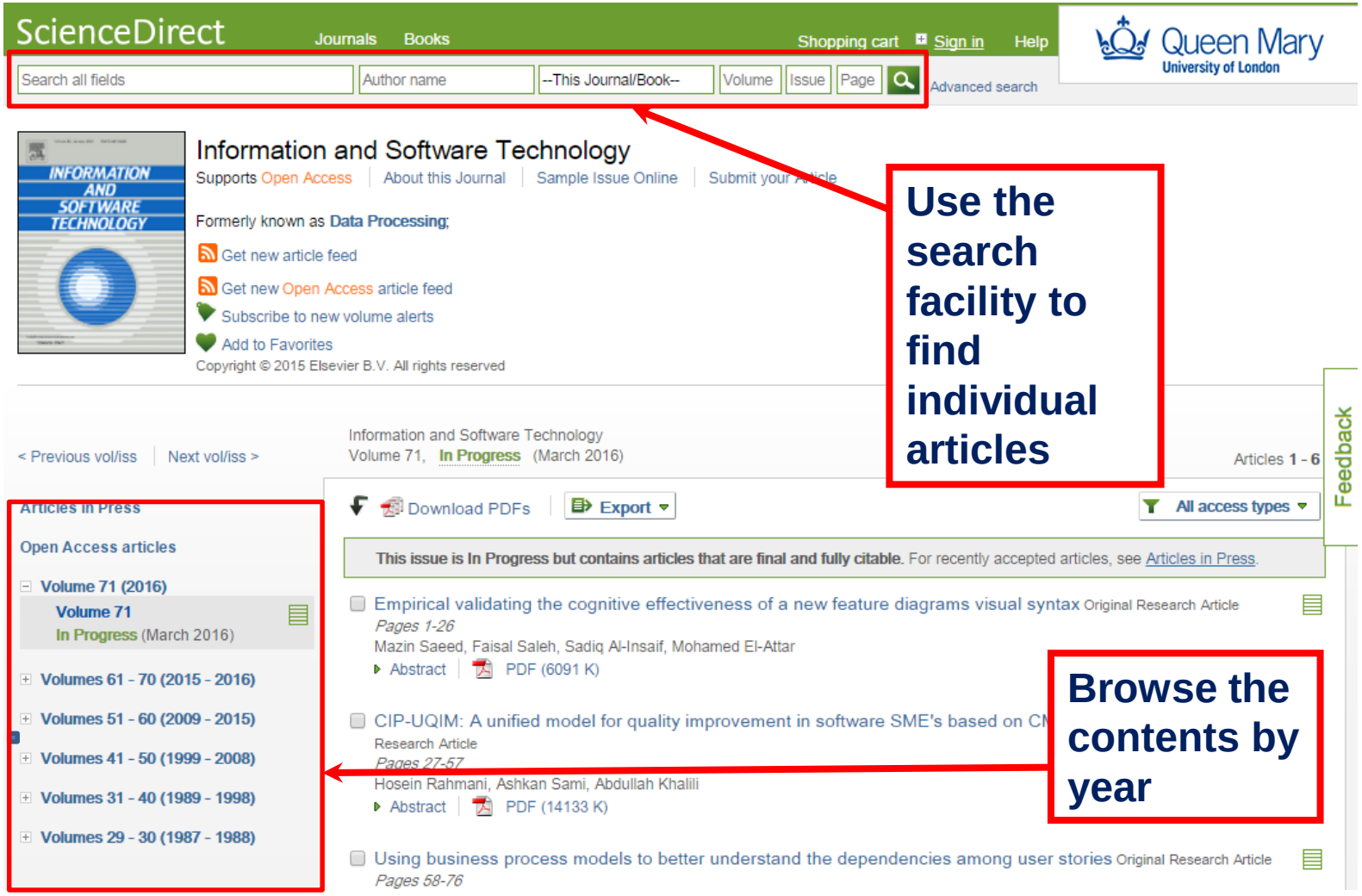
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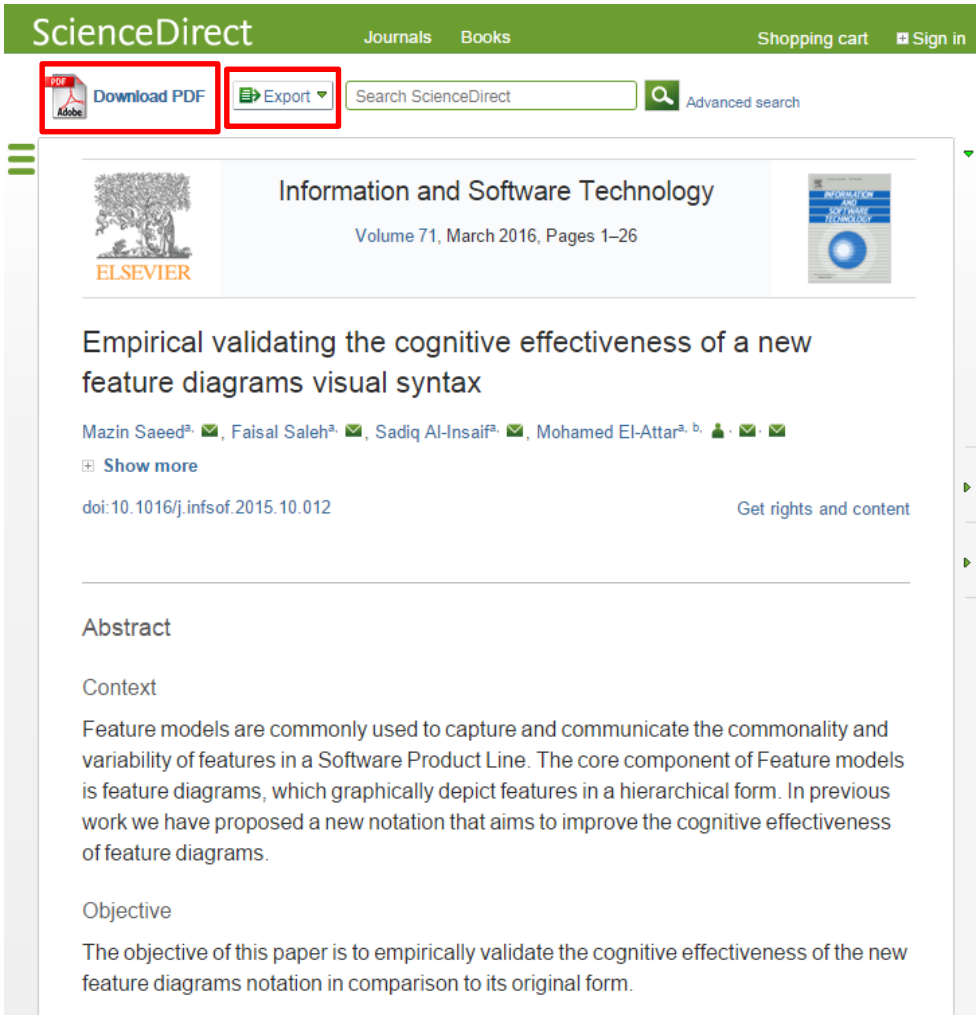
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Volume 71, March 2016, Pages 1–26
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Mazin Saeed[a], Faisal Saleh[a], Sadiq Al-Insaif[a], Mohamed El-Attar[a, b]
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Abstract
Context
Feature models are commonly used to capture and communicate the commonality and variability of features in a Software Product Line. The core component of Feature models is feature diagrams, which graphically depict features in a hierarchical form. In previous work we have proposed a new notation that aims to improve the cognitive effectiveness of feature diagrams.
Objective
The objective of this paper is to empirically validate the cognitive effectiveness of the new feature diagrams notation in comparison to its original form.

Reference Management Tools

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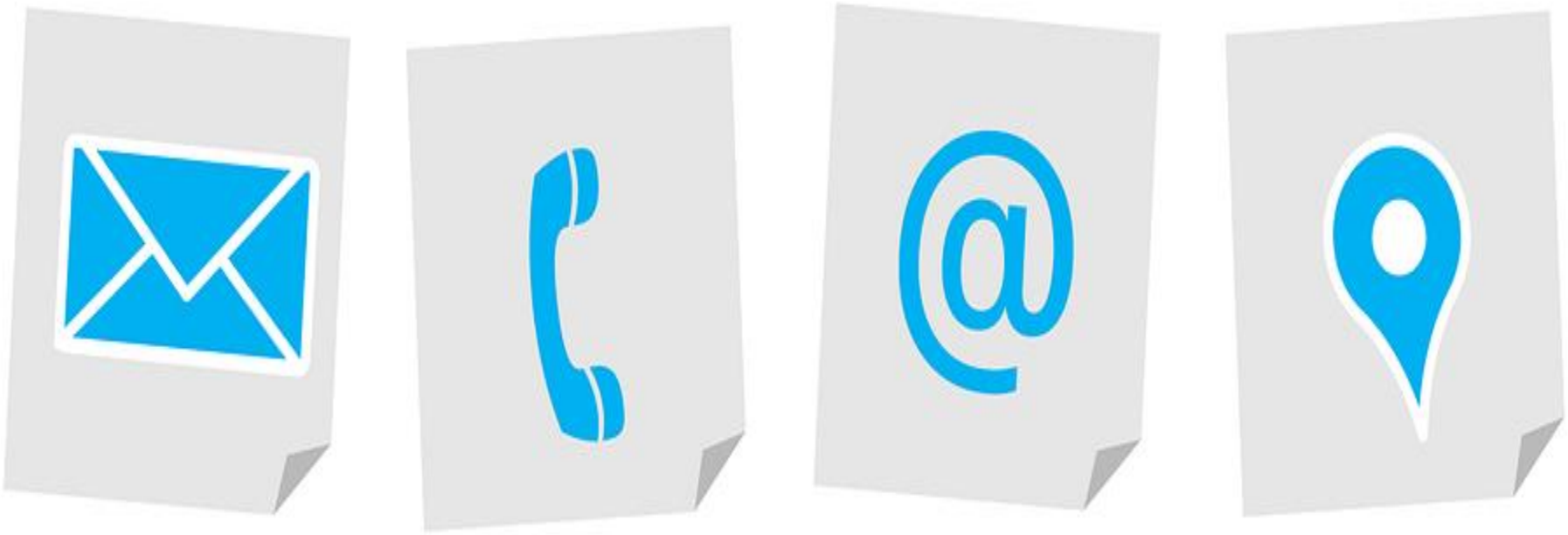
- Collect and organize references
- Import references and related PDFs directly from databases
- Insert citations and bibliographies into Word documents



How to contact your S&E team?

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