

Resource Guide for Engineering, Mathematics and Computing

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Further Details

If you require any further information, or wish to access the Resource Guide online, please visit the Website at www.jisc.ac.uk/resourceguides/emc

If you would like to keep up to date with RGEMC news and events, you can do so by signing up to the mailing list at www.jiscmail.ac.uk/lists/RG-EMC-ANNOUNCE.html

The paper version of the guide has been enclosed with this edition of *MSOR Connections*. If you wish to order more FREE copies please do so by clicking on 'Free Materials' on the online form at www.jisc.ac.uk/resourceguides/emc

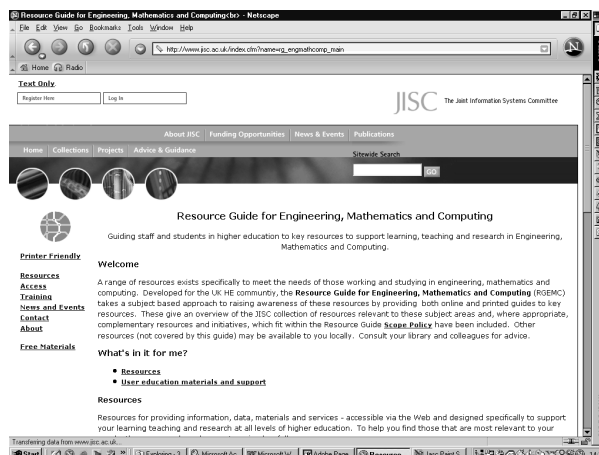
The Joint Information Systems Committee (JISC - www.jisc.ac.uk) and other public bodies invest significant funds and effort to provide a growing number of high quality networked resources, and other services, to support learning, teaching and research in UK Higher Education. With this ever-increasing choice and availability of resources, the business of finding quality resources that are relevant to your subject can be both time consuming and frustrating.

Aim

Developed for those engaged in higher education activities, the UK wide JISC-funded **Resource Guide** Initiative aims to provide a coherent and coordinated approach to promotion, dissemination and training activities to ensure that target audiences (including academics, library and information specialists, students, and researchers), are aware of these resources, and can quickly and easily assess resource relevance to their work and study in particular subject areas.

The Resource Guide Initiative covers 7 subject areas:

- Arts and Humanities
- Engineering, Mathematics and Computing
- Geography and the Environment
- Health and Life Sciences
- Hospitality, Leisure, Sport and Tourism
- Physical Sciences
- Social Sciences



Overview

The **Resource Guide for Engineering, Mathematics and Computing** (RGEMC), is compiled by a dedicated Resource Guide Adviser (RGA) who selects key resources for the relevant subject areas, and presents them in both print and web format. The RGA is supported by a subject-based advisory group, comprising librarians, academics and other relevant parties. Resources considered for the guide include the JISC collection of resources relevant to these subject areas and complementary resources and initiatives, which fit within set selection guidelines (the Resource Guide Scope Policy). Therefore, the Resource Guide also includes resources from partner organisations, such as the Learning and Teaching Support Network (LTSN), and the Research Councils.

Essentially, there are three main strands to the Resource Guide.

Resources

The guide itself, available in print and web format, lists resource descriptions.

To help you find those that are most relevant to your needs, the resources in the guide have been categorised as follows:

Bibliographic, reference and research information:

Resources for locating reference material for your chosen topic, including: searchable databases providing library catalogue information, abstracts, table of contents, conference papers, technical reports, standards and research papers; current awareness services; traditional and subject specific dictionaries, thesauri, handbooks and encyclopaedias.

Publications Online: Full-text resources available online including: online version of paper journals, e-journals (electronic journals with no print equivalent), e-print archives, and online books (e-books).

Subject gateways: Subject-based catalogues of Internet resources, which have been selected, evaluated and classified by subject specialists in accordance with criteria, designed to ensure resource quality. Subject Gateways help you access authoritative information on the web.

Data services: Networked access to key data and services, including: datasets, software, and images, moving pictures, and sound databases.

Learning and Teaching: Resources to support learning and teaching activities, including services to promote the development and transfer of good practices, teaching resources, and online tutorials. These may be useful to both students and academics, with certain resources aimed specifically at lecturers, e.g. providing materials and guidance on their integration into the curriculum.

Support and Advisory Services: Services to encourage and support the use of networked information within the education community. These services provide advice, information and training to promote the effective use of resources.

All of the resources listed in the Resource Guide, or information about them, can be accessed via the Internet. Access to resource content or service will vary between resources, and with each educational institution. Each resource description notes briefly any access conditions that apply, and these have been categorised as follows:

- Freely available - completely free to anyone
- Conditionally free - freely available under certain conditions e.g. only to UK Higher Education
- Registration required - can be accessed only after you have supplied personal information to the provider

- Subscription required – requires an individual or institutional subscription

Training and Support

Many of the resources described in the Guide are hosted by providers based at UK higher education institutions. Many providers offer comprehensive information, documentation and in-depth training events for their resource/s. In addition, the Resource Guide Adviser provides a co-ordinating role offering *staff and students* in the relevant subject communities a variety of free awareness raising and training activities, tailored to suit your needs. Activities include presentations, workshops, and awareness raising and promotional materials.

Feedback

Finally, the RGA also provides an important mechanism for soliciting community feedback about JISC resources, helping to ensure that communication about the use of resources remains a two-way process.

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Helping us develop to meet your needs

We always value any suggestions and feedback you might have, so that the Resource Guide can be best developed in line with the needs and requirements of the community.

Contact

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