



University of Bolton

quick start guide

ICE Virtual Library

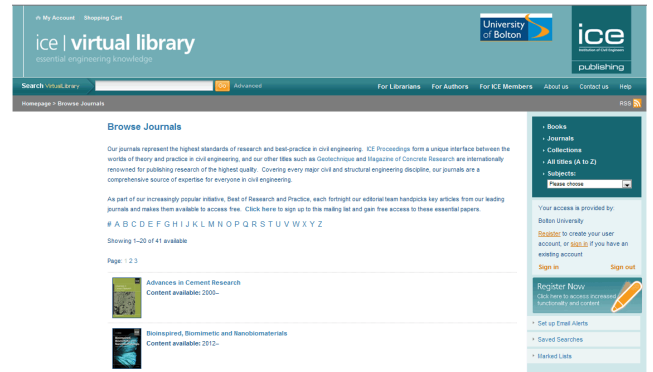
The ICE (Institution of Civil Engineers) Virtual Library provides full text access to over forty journals that the ICE publishes which are relevant to Civil Engineering and Construction.

OpenAthens Login

Before attempting to access any electronic resource you must first login to OpenAthens. This is to ensure that only Bolton University students are able to access our resources. Your OpenAthens username and password are the same as your University username and password. Click on the yellow OpenAthens link on the Library Homepage and follow the links to complete the login. On the Successful Athens login page, click on the **Electronic Information Resources** link.

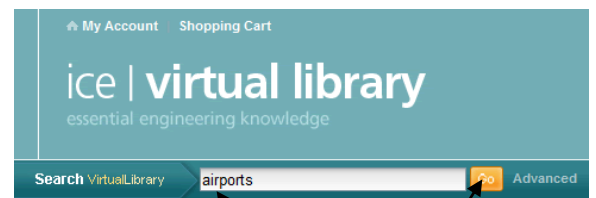


Now click on **I** under the Browse the A-Z list of electronic resources. Scroll down the page and then click on **ICE Virtual Library**. The ICE home page will load as shown in the next column.



Accessing information

The default option is the Basic Search. In the Search box enter a **keyword** or **phrase** and then click on **Go** to the right of the box.



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To narrow your results to those which are within the Library's subscription and available in full text, click on [Repeat this search in subscribed titles](#)

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1,391 results found for (All Fields including Full Text contains 'airport and design')

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Article **CONCRETE AND AIRPORT PAVEMENTS.**
 Authors: J M BARLING, BAA
 Source: Proceedings of the ICE - Transport, Volume 123, Issue 4, November 1997, pages
 PDF
 1.39Mb

Article **MOUNT PLEASANT AIRPORT, FALKLAND ISLANDS: DESIGN.**
 Authors: G SKENE, GJ BRICE, PSA
 Source: ICE Proceedings, Volume 82, Issue 1, February 1987, pages 77 - 96
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A PDF of the document, as shown below, will now open on screen showing the full-text of the document.

Proceedings of the Institution of Civil Engineers
 Transport 147
 August 2001 Issue 3
 Pages 162-173

Paper 12488
 Received 31/10/2000
 Accepted 03/09/2001

Keywords:
 airports; infrastructure planning;
 transport management


John Twigg
 Head of Planning and
 Community Affairs,
 Manchester Airport plc


The role of Manchester Airport

J. Twigg

This paper reviews the role of Manchester Airport in the transport network of the North West. The airport is now more than just a transport interchange, but affects the economy and environment over a wide area. A second runway was opened in February 2001, one of the largest civil engineering projects in the region. Increasingly attention is focused on how airports will manage the growth in road traffic and the pressure on surface access connections. At the same time, there is increasing con-

of services to over 170 destinations across the world's continents (Fig. 2). Over recent years there has been a significant expansion in the range of scheduled services, especially those to long-haul destinations such as Hong Kong, Singapore, the Middle East and cities in the USA. The opening of the second runway will increase the airport's runway capacity from 50 movements an hour to around 65 movements per hour. This will remove the capacity constraint which had become an obstacle to airlines wanting to open new routes.

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Remember to check the colour coded squares at the left of a title to see if a record is available in full text or abstract only.

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