

ice | virtual library

Quick start user guide

The ICE Virtual Library is the leading resource from ICE Publishing, the publishing business of the Institution of Civil Engineers (ICE)

The online platform delivers comprehensive, trusted information on all aspects of civil engineering and construction, including:

- the **largest civil engineering ebook** collection in the world
- **18 specialist engineering journals** (ICE Proceedings suite)
- leading research journals such as ***Géotechnique*** and ***Magazine of Concrete Research***
- extensive **journal archives** dating back to 1836
- our new **ICE Science** journal series taking a holistic approach to materials science

Thanks to sophisticated metadata and linking software, our journal articles and ebooks are visible via your library's online search catalogue, through internet search engines (e.g. Google Scholar) or via major indexing and abstracting services . Alternatively, you can visit our online platform directly at **icevirtuallibrary.com**



This short guide will help you find your way around our site and make the most of its many features

icevirtuallibrary.com

1. Registering an account

The first thing you should do when using the ICE Virtual Library is register for a personal account as this offers you a whole range of benefits, including the ability to save your **favourite journals**, **searches** and **bookmarks**. You will also be able to sign up to **content alerts** to stay up to date with the latest research as it publishes.

Register here and then fill in some basic information about yourself, your username and password

The image shows the ICE Virtual Library homepage. The 'Register' button is circled in orange. An inset shows the 'Personal Registration' form with the following fields:

- Name *
- Email address *
- Confirm Email address *
- Country * (United Kingdom)
- Interest1 (Choose)
- Interest2 (Choose)
- Login Details: Your user name and password must have a minimum of 5 characters. User Name *

Please see section 4. for more information on features available once your personal account has been set up.

2. Browsing the content

On visiting the ICE Virtual Library you'll note that the homepage highlights the latest news, publications and most read journal articles across the platform. This is a useful way of keeping up to date with the most influential research currently being published.

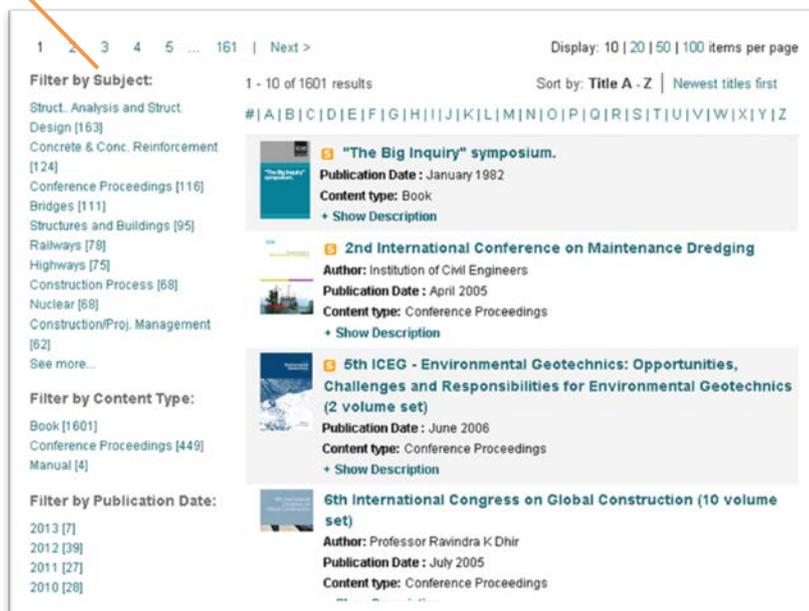
With one click from the homepage you can also browse our extensive range of content, either by **content type** (ebooks or journals), **alphabetically** or by **subject area**

The image shows the ICE Virtual Library homepage with the 'Subjects' menu open. The menu items are:

- Building Design (non-structural)
- Civil Engineering Industry
- Computational Engineering
- Construction Materials
- Contracts, Finance and Law
- Earthquake Engineering
- Energy
- Environment
- Geospatial Engineering
- Ground Engineering
- Maritime
- Municipal, Community, Urban & Rural
- NEC
- Other Disciplines
- Professional Development
- Quality Systems
- Sciences & Other Subjects
- Sitework
- Structures and Buildings
- Surviving & Conf. Documents

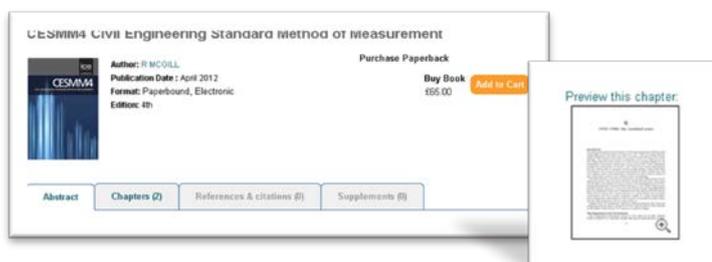
a.) Browsing ebooks

If you've chosen to view our ebooks, the listing can be viewed either alphabetically or by clicking on the faceted browse options, dividing titles by subject, content type or publication date



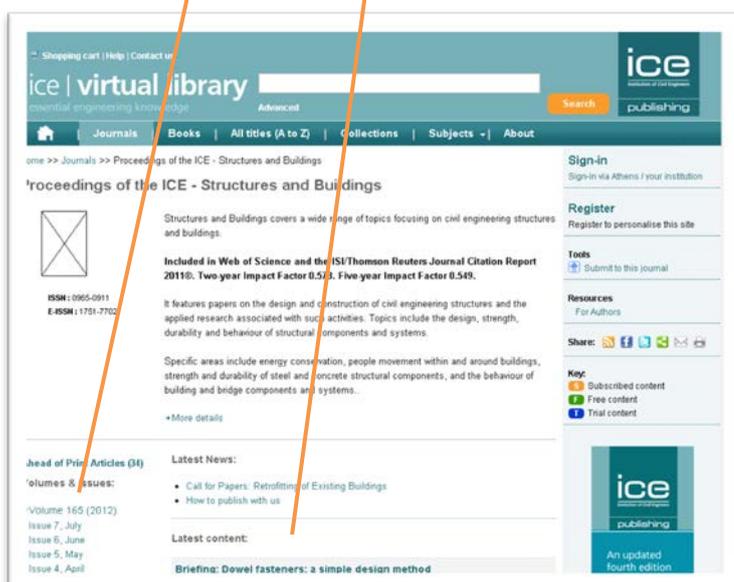
Once you click on an ebook title, you can gain a better understanding of the book by browsing the **Abstract**, **Chapter listing**, **References** or **Supplementary materials**. Our platform also allows you to preview the first page of a chapter to check the content is right for you

Each chapter is available for download as a PDF.



b.) Browsing journals

If you choose to click on a journal title you will be taken to the journal homepage, which contains links to the journal's list of **issues** and **latest articles** which can be viewed in HTML or as a PDFs



N.B. Use the key to understand which content is free or which content your institution has access to. You can purchase non-subscribed titles as individual articles, or recommend a subscription to your librarian

Key:

- S** Subscribed content
- F** Free content
- T** Trial content

Recommend to library

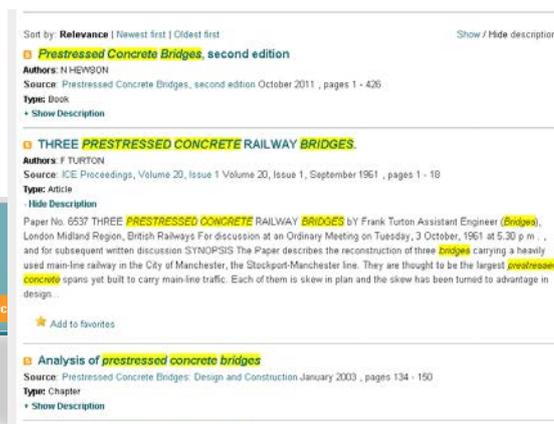
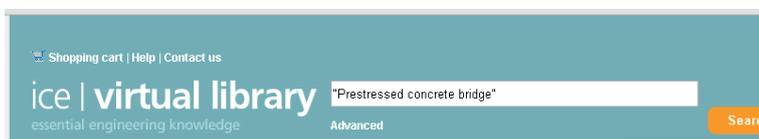
Browse related content

If the journal article or ebook isn't quite what you're looking for, don't forget to browse the related publications. Or alternatively, click on the author's name to find additional titles published by them. This is a great way to find more high impact content of direct relevance.

3. Searching across the content

a.) Quick search

If you're looking for literature relating to a specific keyword, you can do a quick search from the homepage. Remember, use double quotes to search for an exact phrase. Once your search results are displayed you can gain a better understanding of the context by expanding each result to see where your key words occur



b.) Advanced search

Alternatively you can click through from the homepage to perform an advanced search. Advanced searching enables you to pre-filter your search results so that it's easier to find the most relevant material.

You can restrict your search to specific **authors** or **publications**, to selected **subject areas**, **publication types** or **archive years**

Advanced search

Enter one or more search criteria below.
 Boolean AND, OR and NOT are supported (e.g. pitt AND flooding).
 Use quotation marks (" ") to find an exact phrase (e.g. "mortar spalling").
 Use asterisks to match partial words in fields (e.g. atkins*).

Search for: All of these words ▼
 Within the fulltext?

This author:

This title:

This ISSN / ISBN or DOI:

But don't search for:

Search within:

This subject: ▼

This publication type: ▼

Search between these dates: From: ▼ to: ▼

Sort results by: ▼

You can also choose to print, email, share or export your search results according to your preference

4 Getting more from the ICE Virtual Library

As stated in section 1, registering a personal account on the ICE Virtual Library allows you to personalise the site and receive a range of benefits. This includes saving **favourite journals**, **searches** and **bookmarks**. You will also be able to sign up to **content alerts** or see any orders you've made for titles your institution does not subscribe to.

My account

From here, you can set up email alerts, save your searches, view your orders and update your personal details. You can get back to this page at any time by clicking on 'My Account' in the right hand column.

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Key:
 [Green icon] Subscribed content
 [Red icon] Free content

a.) Add to favourites

Once registered, you can bookmark your 'favourite' articles, journals or ebook chapters so they can be easily retrieved on a return visit. You can do this as you view your search results or once you are in the article itself:

Piezoelectric cement composite for structural health monitoring

Authors: Koduri Ramam¹; K. Chandramouli²
 + View affiliations

Buy Article £24.00 Add to Cart

Source: Advances in Cement Research, Volume 24, Issue 3, 01 June 2012, pages 165 – 171

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Abstract | References & citations (0) | Supplements (0)

This study focuses on the design and development of perovskite (lead magnesium niobate, PMN, lead zirconium titanate, PZT), tungsten bronze structured (lead barium bismuth niobate, PBBN) and OPC (ordinary Portland cement) abbreviated as x[0.5(PMN-PZT)-0.5PBBN)-(1-x)OPC, composite for non-destructive testing purposes. A new piezoelectric material was developed with a combination of perovskite, tungsten bronze

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b.) Saved search/search history

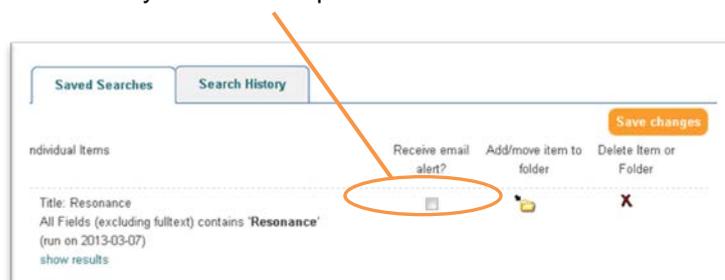
Once you've conducted a search, the Virtual Library allows you to save the search by itself or within a group of related searches saved within a folder name of your choice



You can view your saved searches (as well as your search history) whenever you're logged into your personal account allowing you to retrieve or re-run relevant search results.

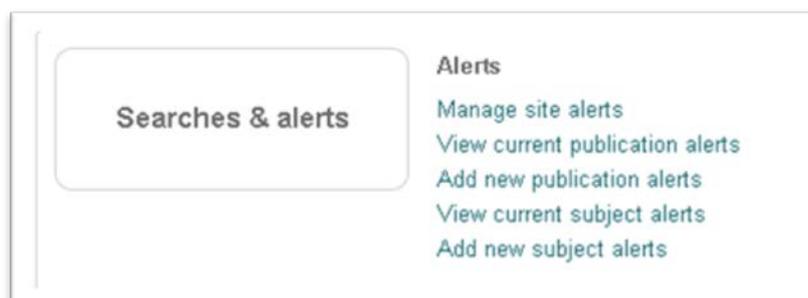
c.) Saved search alerting

To receive notifications when new material that matches your search term is added to the site, you just need to tick the 'receive email alert' box within the saved search item. You will then receive an email when new content relevant to your search is published



d.) Email alerting

You can also choose to receive emails about **updates to the site**, **new publications** or **new journal issues**, or new content in **specified subject areas**. Enter your account area and add or manage your alerts accordingly



Alternatively, if you come across a journal you're particularly interested whilst using the site, you can set up an email alert straight from the article page

Smart surfaces by initiated chemical vapor deposition

Author: Anna Maria Coclite ^{1,2}
+ View affiliations

Source: Surface Innovations, Volume 1, Issue 1, January 2013 pages 6-14

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Abstract | References & citations (0) | Supplements (0)

The ability to modify the surface of materials with functional and responsive coatings is a powerful tool for the fabrication of smart devices for biotechnology, microfluidics, membrane technology, sensors and drug delivery systems. A recently developed method for the deposition of polymeric thin films, called initiated chemical vapor deposition (iCVD) is reviewed here. The authors will describe the high versatility of iCVD in driving application-specific properties into the material, creating a platform for the implementation of polymeric coatings into device fabrication. The significant impact of this polymerization technique lies in the possibility of obtaining polymers with chemical structure similar to

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- Add to favourites
- Create email alert**
- Recommend to library
- Get permissions
- + Cite this

Resources

For Authors

d.) Reference management

When referring to content from a journal article within your own writing, it's important to record this reference, or citation, in the format that is appropriate for the destination of your work. You can export citation details direct to your preferred reference management system by clicking on 'Cite this' in the tool bar

Tools

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- Get permissions
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- BibTeX
- Endnote
- Plain Text
- RefWorks

Resources

For Authors

e.) User guides

If you need any more help in using the ICE Virtual Library, you can check our frequently asked questions in the 'Help' or 'Contact us'