



### Inspired thinking from Inspec Direct

The new Inspec Direct platform supports all levels of scientific and technical research in the corporate, industrial, government and academic sectors. Providing online access to millions of abstracts of high quality, relevant peer-reviewed articles, conference proceedings and technical reports, the entire Inspec Database is now available via a secure and intuitive interface, from the IET, featuring state-of-the-art indexing, search features and analytical functionality.



Fast, accurate and  
a focus on quality

#### Achieve real value with Inspec Direct

Engineers and scientists are under increasing pressure to contribute to academic advances and corporate growth. Access to quality information tools is fundamental for research. Inspec Direct will help fulfil your research needs so that you can:

- keep pace with developments in the fast moving world of science, engineering and technology
- access the **quality** data you need, quickly
- avoid the wrong research approaches
- monitor trends and research, internationally
- avoid research duplication and “reinventing the wheel”
- save time and money by accelerating your R&D activities.

#### Content and coverage

Inspec is the leading English-language bibliographic database which may be used for scientific and engineering research information, current awareness, new product information, technological forecasting, competitive intelligence, patent-related searching and data-mining.

##### Subject coverage

Inspec provides a comprehensive index of literature to five main subjects: **physics, electrical engineering and electronics, computers and control, information technology for business, and mechanical and production engineering**. It also covers a wide range of topics including oceanography, engineering mathematics, environmental science, geophysics, nanotechnology and biomedical technology.

##### Access to more than 10 million records

Each year over 4000 scientific and technical journals are abstracted (1600 are indexed cover-to-cover) and some 2700 conference proceedings, numerous books, reports and dissertations are scanned for inclusion in Inspec Direct. It now contains more than 10 million bibliographic records from 1969 to date and is growing at the rate of 650,000 records each year.

In 2009 the content of Inspec Direct will be further enhanced by the launch of Inspec **Ozone**. This additional database will carry abstracts of articles selected from Inspec's list of academic Journals and will cover subjects currently at the periphery of Inspec's core subject areas.

#### Subject and Specialised Indexing

A range of indexing is added to each abstract by highly-qualified subject specialists, ensuring easy retrieval of relevant information, in a swift and cost effective manner.

**Thesaurus** – a dynamic and evolving controlled vocabulary of over 10,000 scientific terms that provide accuracy and quality to search results.

**Free Indexing** – discover significant, new and emerging concepts with this search field.

**Classification** – an extensive hierarchical classification developed by scientists and engineers over 30 years that limit searches to your subject areas.

**Treatment Codes** – confine your search to the type of information e.g. experimental results, market data, new developments.

**Document Types** – restrict your search to particular document types e.g. journal articles, conference papers.

**Numerical Data Indexing** – specialised indexing that standardises terminology and values to retrieve significant measurements.

**Chemical Substance Indexing** – indexing that aids retrieval of inorganic compounds and other material systems that overcome problems found in uncontrolled indexing and free text.

**Astronomical Object Indexing** – standardises designations to aid retrieval of celestial objects outside the solar system.

#### Inspec Archive 1898 - 1968

The Inspec Database was launched in 1969 and is now complemented by the Inspec Archive file extending the coverage back to 1898. It represents the digitised version of the original Science Abstracts series and comprises;

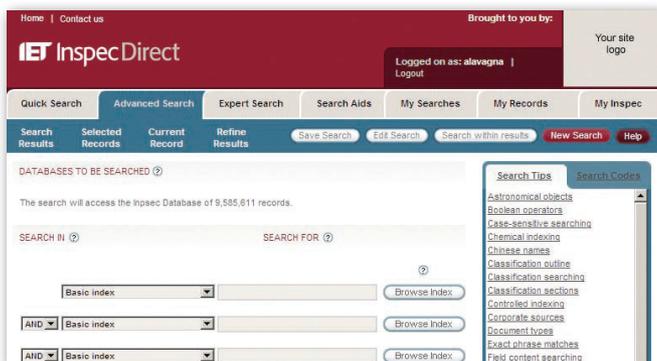
- over 873,700 indexed abstracts to journal articles, conference proceedings, books, reports and dissertations
- abstracts longer than present day records which contain diagrams and complex mathematical proof
- tables, graphs and figures from the original source document in many of the earlier records
- original indexing and classifications
- enhancements to indexing in the form of current day Inspec Thesaurus terms and Classification codes.

## Features and functionality

This new online search tool is combined with intuitive search interfaces that cater for both novice and expert searchers.

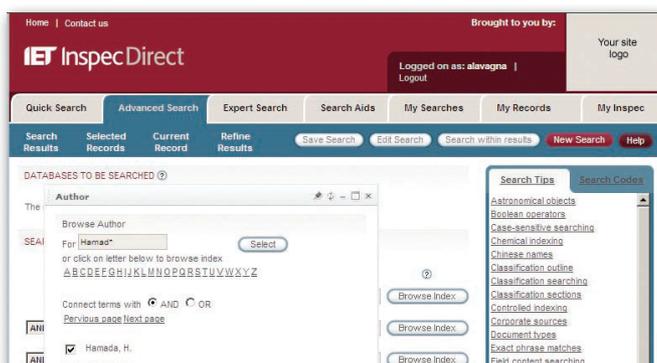
**Quick Search** – lets you search on words and phrases.

**Advanced Search** – allows you to perform complex searches using keyword search and browsing in specific fields, using Boolean operators, truncation, refine search, setting limit parameters and sorting results.



**Expert Search** – command language for expert searchers that allows a high degree of search sophistication and flexibility.

**Browse multiple Indexes** – a valuable search feature that improves retrieval efficiency and innovation.



**Limit Searches** – by a wide variety of fields including publication date, document type, treatment code, subject area, language and only those articles that are available online.

**Search via Hyperlinks** – initiate a new search by clicking on various field terms such as author names, corporate sources, classification codes and thesaurus terms.

### Results options

**Sort** by relevance ranking, publications date, accession number, document type, author name.

**Search** only within the previous results.

**Export** results using a wide range of download formats that enable easy import to personal bibliographic databases for further analyses.

**Save** results and search history to folders for future use.

**Email** results to colleagues.

**Full text links** for all articles for which a DOI (Digital Object Identifier) has been assigned.

**Alerts** with the latest records can be sent to you via e-mail or RSS (for those with IP address access) to keep you abreast of your subject field.

### Inspec Search Aids

Browse and search the Inspec Thesaurus, Classification and List of Journals to help you improve your search techniques and hone results.

**Thesaurus** – browse and search over 10,000 controlled vocabulary and 8,000 synonyms, with the ability to import a particular term with all its narrower terms into your search strategy.

**Classification** – determine those codes that will confine your search to a broad subject area to guarantee highly relevant results.

**List of Journals** – search and browse nearly 10,000 current and previous titles of serials indexed by Inspec.

**Help** – extensive context sensitive help screens, plus additional training materials, tutorials and guides.

### Personalisation features (My Inspec)

to set up your search preferences, save your search strategies and results to folders for future reference, share with others, create combined searches from previous saved search history, and create alert services.

## Powerful functionality

Whether you're keen to monitor competitor activities or track technological developments, Inspec provides the added value functions tailored to your specific needs.

### For the professional searcher and data miner:

**Analyse** – a sophisticated tool to allow analysis of preselected results by ranked order (e.g. the number or articles written by given authors), or the number of hits over time (e.g. the number of articles per year that contain a particular classification code) and to download the results in CSV format for further analysis.

**Visualisation** – a module for viewing analysed results as graphs, pie and bar charts showing the most frequent occurrences for content in fields such as Thesaurus Terms, Journals, Classification Codes and Publishers.

### For the librarian

**COUNTER** – provision of COUNTER usage statistics.

**Open URL** – compliancy for linking to full-text and library resources.

**MetaSearch compatibility** – allowing Inspec to be searched alongside other databases when searched using systems such as MetaLib or other federated search systems.

**Free Trial** See what a difference Inspec Direct can make to your organisation by contacting your local Inspec office. If you do decide to make Inspec Direct a permanent resource, you will be able to consider a variety of competitive pricing options to meet your organisational needs.

**Email** [inspecdirect@theiet.org](mailto:inspecdirect@theiet.org)

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**Europe, Middle East, Africa**  
T: +44 (0)1438 767297

**The Americas**  
T: +1 (732) 321 5575

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T: +852 2521 2140

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