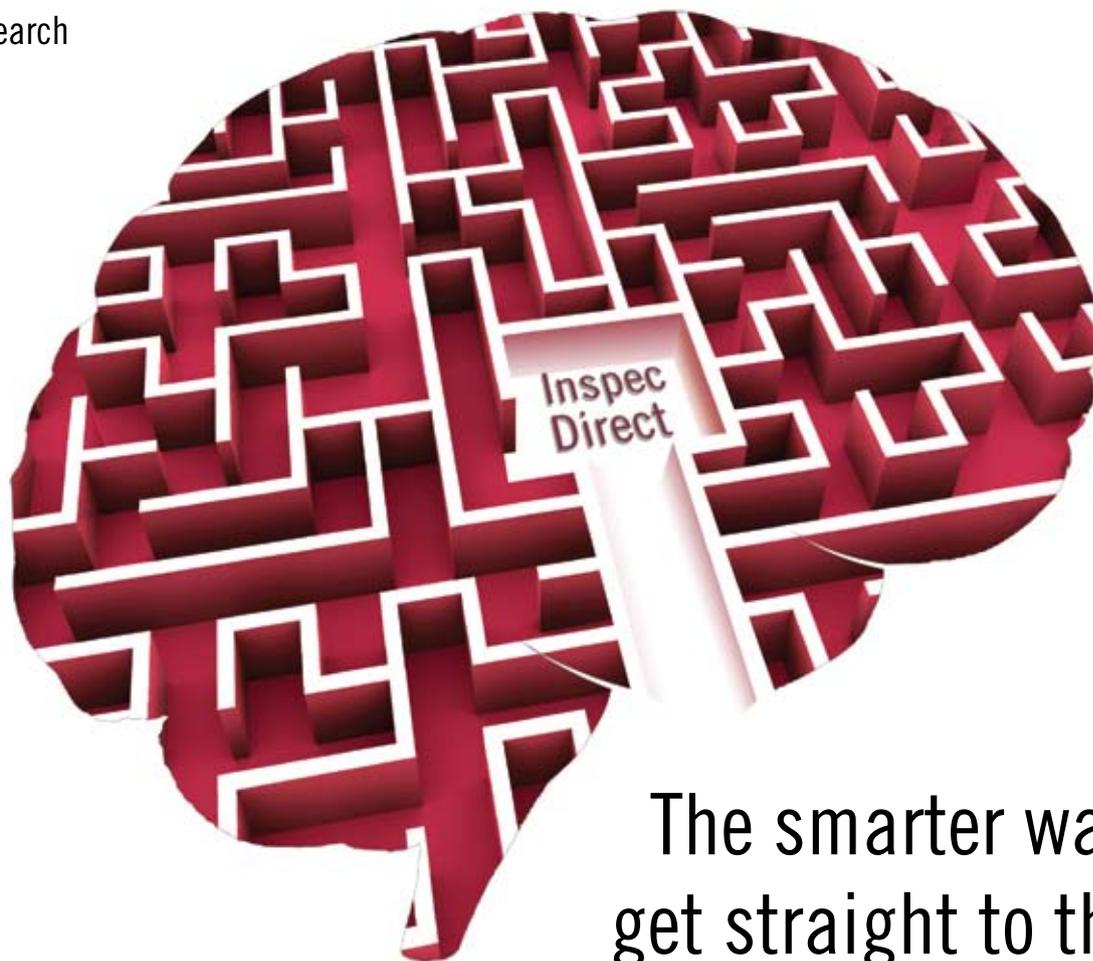
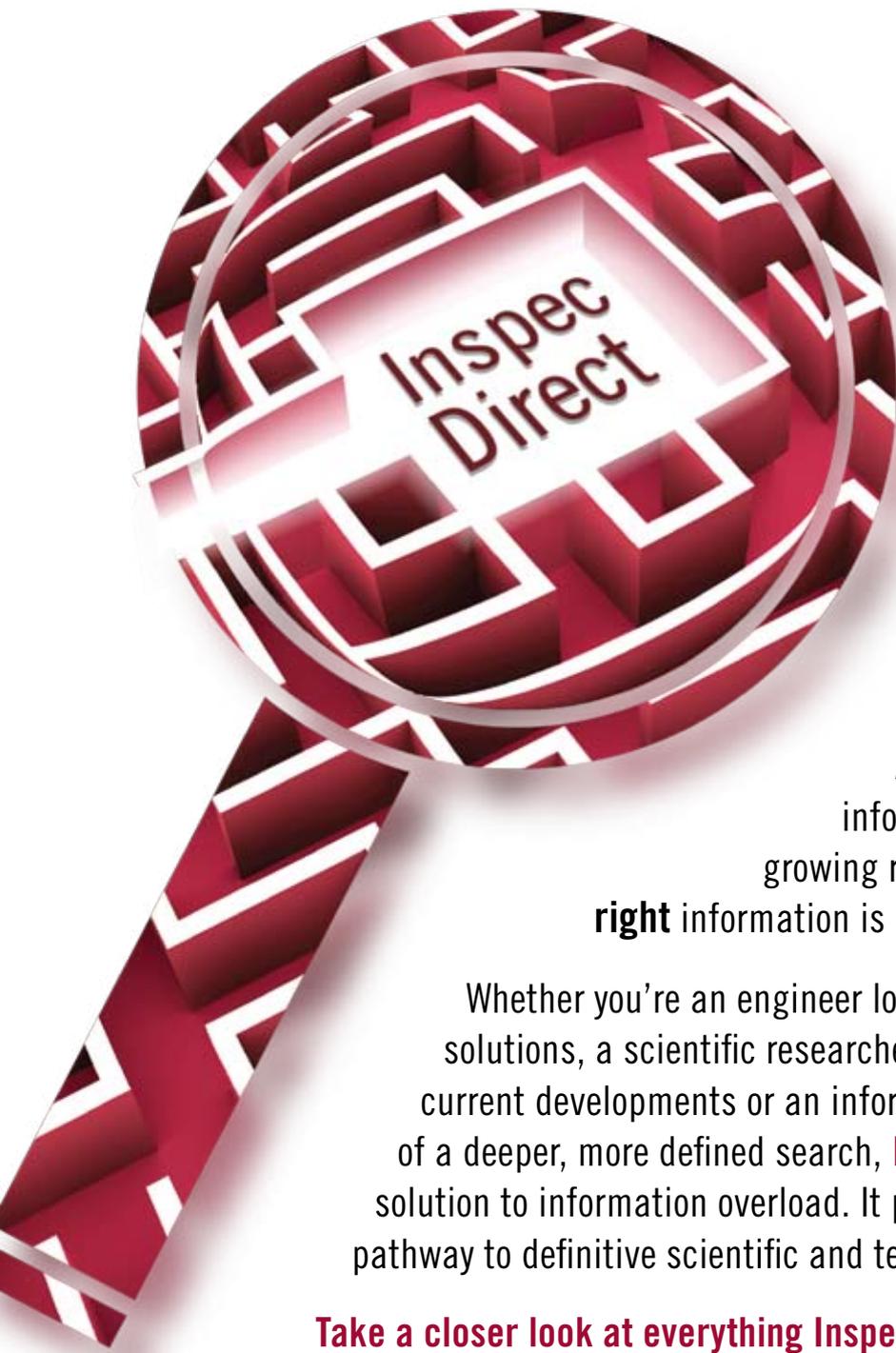


IE InspecDirect

The intelligent online tool for
scientific and technical
research



The smarter way to
get straight to the
information that **matters**



Fast, accurate and a **focus** on quality

Keeping pace with developments in the fast moving world of science, engineering and technology has never been more demanding.

As the quantity of available information expands at an ever growing rate, your search for the **right** information is increasingly challenging.

Whether you're an engineer looking for innovative technology solutions, a scientific researcher searching for current developments or an information professional in need of a deeper, more defined search, **Inspec Direct** offers the solution to information overload. It provides you with a clear pathway to definitive scientific and technical information.

Take a closer look at everything Inspec Direct can deliver.



A powerful tool to deliver results

Inspec Direct is an innovative online research tool which provides direct routes to the information you need from the world's most definitive bibliographic database in the scientific and engineering fields.

You can get straight to the essential resource, saving time and money and accelerating your R&D activities.

Inspec Direct helps you to avoid research duplication by identifying work already carried out. And you can monitor, analyse and visualise technology trends.

It delivers high quality, authoritative information via its sophisticated search capabilities.

Engineers and scientists are under increasing pressure to contribute to academic advances and corporate growth. As pioneers of future innovation, getting access to a quality information tool of the calibre of **Inspec Direct** is a fundamental requirement.

“ *I have used Inspec for several years, initially as a Physical Science Librarian for physics information and most recently for computer science and electrical engineering research, and I have always found Inspec to be a very rich resource for scientific researchers.* **”**

Computer Science and
Electrical Engineering Librarian
Major Southwestern University, USA

Inspired thinking from Inspec Direct

In addition to assisting you in your search for journal articles, conference papers and technical publications, **Inspec Direct** may be used to gauge current awareness, seek out new product information, for technological forecasting, competitive intelligence, patent-related searching and data-mining.

The key to its success is that the online platform incorporates leading web technologies and services that are entirely user focused. Inspec's intuitive search interfaces mean it can cater for both novice and expert searchers, making it a cross departmental tool which adds value to everyone's work.

Achieving real value from research is a top priority for successful organisations worldwide.

The increasingly global pressures on the research environment makes it critical that you commit to tools that save you time and money.

If you are seeking to gain a competitive advantage, work faster and more creatively, ensuring a quality outcome, **Inspec Direct** will contribute significantly to your success.

Put simply, **Inspec Direct** is an unbeatable investment in the competitiveness and profitability of your organisation.



Content and coverage

Inspec Direct enables you to make fast intelligent searches. Launched in 1969, Inspec is one of the world's largest and most wide ranging bibliographic database for scientists and researchers. We are celebrating 40 innovative years in 2009.

Subject Coverage

Inspec provides a comprehensive index of literature in five main subjects: physics, electrical engineering and electronics, computers and control, information technology for business, and mechanical and production engineering.

It is a multidisciplinary resource database that covers a wide range of topics including operations research, material science, information science, oceanography, engineering mathematics, nuclear engineering, environmental science, geophysics, nanotechnology and biomedical technology.

Outline of Inspec content

Physics

- General
- The physics of elementary particles and fields
- Nuclear physics
- Atomic and molecular physics
- Fundamental areas of phenomenology
- Fluids, plasmas and electric discharges
- Condensed matter: structure, thermal and mechanical properties
- Condensed matter: electronic structure, electrical, magnetic, and optical properties
- Cross-disciplinary physics and related areas of science and technology
- Geophysics, astronomy and astrophysics

Electrical engineering and electronics

- General topics, engineering mathematics and materials science
- Circuit theory and circuits
- Components, electron devices and materials
- Magnetic and superconducting materials and devices
- Optical materials and applications, electro-optics and optoelectronics
- Electromagnetic fields
- Communications
- Instrumentation and special applications
- Power systems and applications

Information technology for business

- General and management aspects
- Applications
- General systems and equipment
- Office automation – communications
- Office automation – computing

Computers and control

- General and management topics
- Systems and control theory
- Control technology
- Numerical analysis and theoretical computer topics
- Computer hardware
- Computer software
- Computer applications

Mechanical and production engineering

- General topics in manufacturing and production engineering
- Manufacturing and production
- Engineering mechanics

Access more than 10 million records

Over 4,000 scientific and technical journals, some 2,200 conference proceedings, as well as numerous books, reports and dissertations are scanned each year. **Inspec Direct** now contains over 10 million bibliographic records and is growing at the rate of 650,000 records each year.

Subject and specialised indexing

A whole range of indexing is added to each abstract by subject specialists to ensure that the right information is retrieved in a swift and cost effective manner.

Thesaurus A dynamic and evolving vocabulary of over 18,000 scientific terms to provide accuracy and quality.

Free Indexing A search field in which you can discover significant and new and emerging concepts.

Classification An extensive hierarchical classification for you to limit searches to your subject areas.

Treatment Codes Allows you to restrict your search to a particular approach e.g. experimental results, market data, new developments.

Document Types Restrict your search to particular documents e.g. journal articles, conference papers.

Numerical Data Indexing Standardises terminology and values to retrieve significant measurements.

Chemical Substance Indexing Aids retrieval of non-stoichiometric inorganic compounds and material systems.

Astronomical Object Indexing Standardises designations to aid retrieval of celestial objects outside the solar system.

Inspec Archive 1898–1968

The Inspec Archive file complements the main Inspec Database extending the coverage back to 1898–1968. It is the digitised version of the original Science Abstracts series.

The Inspec Archive comprises:

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

The Archive makes it easy to locate references to historic research and engineering breakthroughs. It also gives access to often forgotten research that may be of use in assessing the validity of current patents.

Inspec Ozone

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 journals and will cover subjects currently at the periphery of Inspec's core subject areas. **Inspec Ozone** will be exclusive to **Inspec Direct**.



Features and functionality

Inspec Direct is unrivalled in its power and scope. Its user-friendly search capabilities will make it an essential addition to your research capabilities.

The screenshot displays the IET Inspec Direct Advanced Search interface. At the top, there's a navigation bar with 'Home | Contact Us' and 'Brought to you by: IET'. The main header includes 'IET Inspec Direct' and 'Logged on as: DemoUser22 | Logout'. Below the header, there are tabs for 'Quick Search', 'Advanced Search', 'Expert Search', 'Search Aids', 'My Searches', 'My Records', and 'My Inspec'. The 'Advanced Search' tab is active. The search form is divided into several sections: 'DATABASES TO BE SEARCHED' (indicating 11160967 records), 'SEARCH INDEXES' (with 'Basic index' selected), 'LIMIT BY' (with 'All document types', 'All treatment types', 'All subject areas', and 'All languages' selected), and 'SORT BY' (with 'Accession Number' selected). The form also includes a 'Date Range' (1997 to 2006), 'Published' (in the last), 'Added to database in last' (1 week), 'Since search last run', 'Autostemming' (On), and 'Only full text articles' (Yes). A 'Search' button is located at the bottom right of the form. A 'Search Tips' sidebar is visible on the right side of the page.

Example of Advanced Search

Search features

Three levels of search Quick Search, Advanced Search and Expert Search.

Browse Indexes A valuable search feature that aids retrieval and innovation.

Limit Searches Impose limits across 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, publication date, accession number, document type, author name.

Search within the previous results only.

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

Save results and search strategies to folders for future use.

Email results to your colleagues.

Full-text links are available for all articles with an assigned DOI (Digital Object Identifier).

You can arrange for **alerts** of the latest records to be sent to you via email or RSS (for those with IP address access) to keep you abreast of your subject field.

Make use of extensive **context sensitive help screens**, plus additional training materials, tutorials and guides.

Use **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 searches and create alert services.

Example of Search Result

Inspect 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 Provide proper context to your search by limiting to specific areas.

List of Journals Search and browse approximately 10,000 current and previous titles of serials indexed by Inspec.



Example of Analysis Records



Powerful functionality

The new Inspec Direct platform incorporates extra functions that give the expert researcher the edge to get the results they need.

For the professional searcher and data miner:

Analyse

A sophisticated tool to allow analysis of preselected results by:

- Ranked order (e.g. the number of articles written by given authors)
- Number of hits over time (e.g. the number of articles per year that contain a particular Classification code)

Results can be downloaded in CSV format for further analysis.

Visualisation

A module for viewing the analysed results as graphs, pie and bar charts showing the most frequent occurrences for content in fields such as Thesaurus terms, Journals, Classification.

For the librarian:

COUNTER

Provision of COUNTER usage statistics.

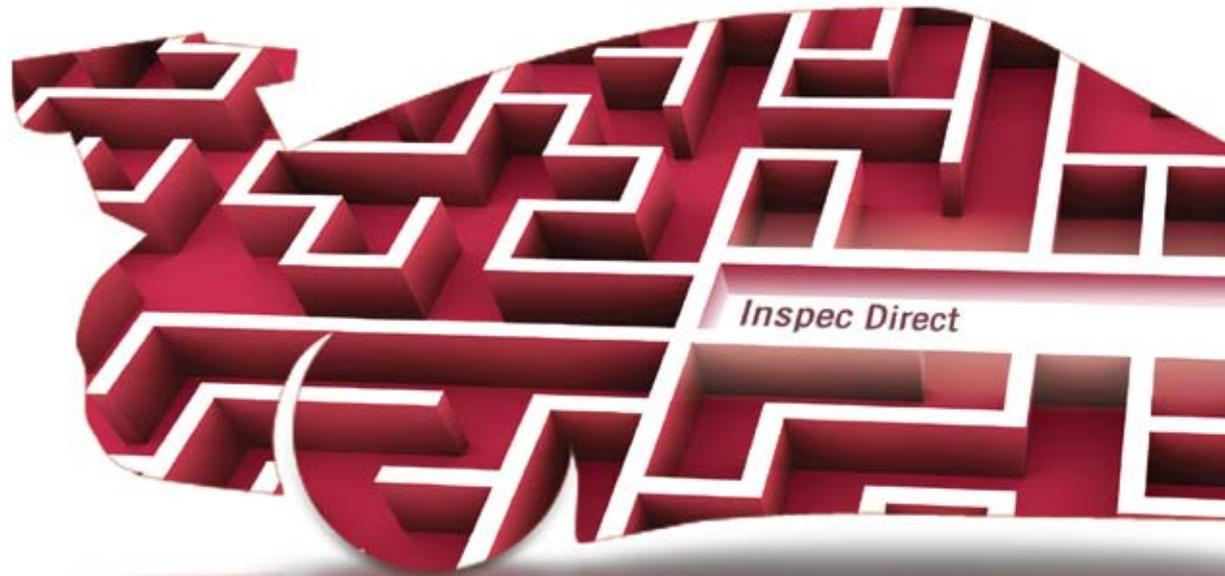
Open URL

Compliance 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.

Take Inspec Direct for a **test drive**



and boost



Arrange a free trial

Simply call your nearest Inspec office or visit www.theiet.org/inspecdirect to organise your free trial. It's an opportunity to assess the difference that **Inspec Direct** can make to your research capabilities.

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. Our flexible pricing plans give you unlimited access to **Inspec Direct** on an annual basis.

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The IET is Europe's largest and most influential membership organisation for professionals in the science, engineering and technology fields.