

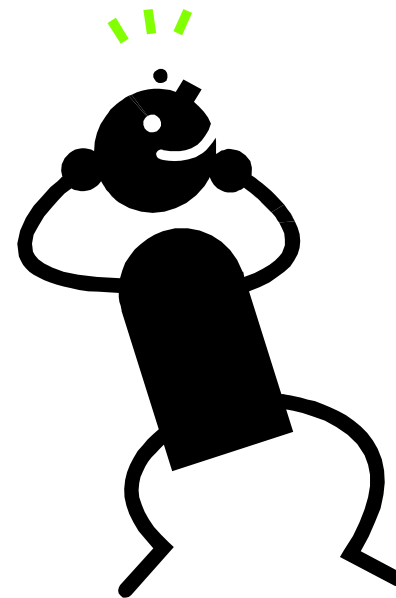
IET Digital Library

電子電機電通全文資料庫

飛資得知識服務

什麼是IET?

- Institute of **E**ngineering and **T**echnology
- 2006年三月，**IEE** (Institution of Electrical Engineers, 西元1871創會)正式與**IIE** (The Institution of Incorporated Engineers)合併且改名為IET-英國工程及科技學會
- 歐洲最大的工程相關專業非營利組織
- 目前全球共有150,000個會員



什麼是IDL?

- IET Digital Library

- IDL 是工程及科技學會 IET (Institution of Engineering and Technology) 出版的全文資料庫。工程及科技學會的前身是著名的英國電機工程師學會 (IEE)。

The screenshot shows the IET Digital Library website interface. At the top, there is a navigation bar with links for 'Visit www.theiet.org | My IET', 'Shopping cart', 'Subscribe', 'Contacts', and 'Help'. Below this is the main header with the IET logo, 'Digital Library' text, a search bar, and a dropdown menu set to 'All content'. A secondary navigation bar includes 'Home', 'Journals & magazines', 'Conferences', 'eBooks', 'Subjects', and 'Collections'. The main content area features a 'Welcome to IET Digital Library' message, a brief description of the library's holdings, and a large banner for 'The NEW IET Digital Library' with a 'Find out more' button. To the right, there are links for 'Login', 'Not registered yet?', and 'Resources for...' (Authors, Referees, Librarians, Members). At the bottom, there is a 'Latest content' section with two featured articles: 'Control Theory: A guided tour' and 'Developments in Control Theory Towards Global Control'. A 'Subscribe to our publications' section is also visible on the right side.

IDL內容

- IDL全文資料庫包括IET 期刊、雜誌超過20種 (其中包含了24本 Research Journals、2本Letters Journals及1本雜誌)，共100,000多篇技術性論文，以及1100餘會議出版品和研討會摘要。2012年已出版兩本新刊-IET Biometrics以及IET Networks。
- 資料內容最早回溯至1994年。
- 收錄主題：電子、電機、通訊、電腦、動力、控制、雷達、電路、材料、生物工程及IT等。提供此領域科技產業發展的最前線資料，滿足了眾多讀者對的尖端資訊迅速獲取的需求。
- 使用者：IET的用戶遍佈全球，世界範圍內的大多數高等院校、研究所，以及世界排名前列的電子、電腦、電信、航空公司多年來均有訂閱IET期刊，雜誌和會議錄。

IDL特色

- 簡單易操作使用介面:用戶可以通過多種檢索方式檢索到自己所關注的資訊。
- 搜尋結果可簡易輸出、儲存、或直接線上瀏覽。
- 提供瀏覽、下載或列印出與原出版物版面完全相同的文字、圖畫、圖表、表格和照片的全文資訊。
- 提供個人化服務 My account
1. My profile 2. Subscriptions & orders 3. Searches 4. Alerts & alerts
- IDL更新速度很快，每個星期都有最新的文獻收錄。而且，每年IET會出版新的刊物，並加至IDL中。



IDL全文資料庫收錄 1.期刊

IET 期刊 (共27種)			
Electronic Letters	電子學快報	IET Microwaves, Antennas & Propagation	微波、天線與傳播
Micro & Nano Letters	微型及納米快報	IET Nanobiotechnology	納米生物科技
IET Biometrics	生物統計學	IET Networks	網路通訊
IET Circuits, Devices & Systems	電子電路、器件與系統	IET Optoelectronics	光電子學
IET Computers & Digital Techniques	電腦與數位技術	IET Radar, Sonar, Navigation	雷達、聲納和導航
IET Computer Vision	電腦視覺	IET Power Electronics	電力電子
IET Communications	通信	IET Renewable Power Generation	再生發電
IET Control Theory & Applications	控制理論與應用	IET Science, Measurement & Technology	科學、測量與技術
IET Electric Power Applications	電力應用	IET Signal Processing	信號處理
IET Electrical Systems in Transportation	大眾運輸電力系統	IET Software	軟體
IET Generation, Transmission & Distribution	發電、輸電與配電	IET Systems Biology	系統生物學
IET Image Processing	圖像處理	IET Synthetic Biology	人工生物學
IET Information Security	資訊安全	IET Wireless Sensor Systems	無線感應系統
IET Intelligent Transport Systems	智慧運輸系統		

IDL全文資料庫收錄 2. 雜誌

IET 雜誌

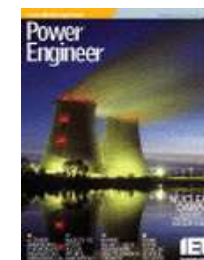
Engineering & Technology

工程和技術

另外還提供以下雜誌的回溯資料，最早回溯至1994年

- *Communications Engineer* 通訊 程師 (2003-2007)
- *Control & Automation* 控制與自動化技術 (1994-2007)
- *Electronics* 電子學 (2003-2007)
- *Engineering Management* 程 理 (1994-2007)
- *Information Professional* 資訊專業人士 (2004-2007)
- *Manufacturing* 製造業 (1994-2007)
- *Power Engineer* 電力 程師 (1994-2007)
- *IEE Review* (1994-2006)
- *Engineering Science and Education Journal* 工程科學與教育 (1994-2002)
- *Electronics & Communication Engineering Journal* 電子學與通訊工程(1994-2002)

基本特色：
彩色圖像
新知與分析
工業/產業spotlight
快報
書本評論



IDL全文資料庫收錄 3.會議出版品 & 研討會摘要

IET 會議出版品 & 研討會摘要 **(IET Conference Publications & IET Seminar Digests)**

IET每年組織很多國際會議和展覽，會議內容涉獵廣泛。同時IET會舉辦眾多的研討會和座談會。IDL資料庫包含從1994年至今工程及科技學會組織的超過1100份關於工程方面的會議錄和研討會錄。

IDL旗鑑期刊內容簡介

Electronics Letters (電子學快報)

電子學快報是IET的旗艦刊物，從1965年3月開始出版的第一卷第一期至目前為止皆收錄在IDL中。它每兩周出版一期的速度，被廣泛認為是本領域內擁有最快出版程式的刊物。

電子學快報覆蓋了現代電子學領域內的所有學科，並且由於非常高的引用率，而被認為是電子學領域內的領導刊物。



IDL期刊內容簡介

Biometrics (生物統計學)

New

Biometrics是2012年的新期刊，在生物辨識的領域中，逐漸增加且達到成熟實行應用的程度，透過該刊可增長對生物識別系統、未來發展與應用的認識。



Networks (網路通訊)

New

2012年新出版期刊，涵蓋所有基礎發展與進階方法學論，於未來的網路通訊方面達到更有效更可靠且更上一層的成果；特別在已知及逐漸增加的科技發展瓶頸上，汲取新觀念與優秀的解決方式。



IET會議出版品&研討會摘要內容簡介

Conference Publications (會議錄)

IET每年組織許多國際會議和展覽。會議內容涉及到電機，電子，製造業，系統工程學和相關科學。出版會議錄也是爲了支持IET每年組織的這些活動。



Seminar Digests (研討會摘要)

研討會摘要主要來自IEE研討會和座談會上所展示的訊息精華部分，例如演說者的講義、PPT等。



IET雜誌內容簡介

Engineering and Technology (工程和技术)

IET的旗艦雜誌，從2008年起出版頻率從原來12次提升到21次。提供分析，新聞以及創新公告。覆蓋面廣泛，致力於控制，通訊，軟體，計算，製造業，電力和管理工程學等專業。



Communications Engineer (通訊工程師)

提供對各種領域進行深入研究的新成果訊息，包括通訊工程，以及涵蓋移動通訊（藍芽技術，4G），網路廣播，多媒體，衛星，通訊網路和設施維護等方面的技術訊息。



IET雜誌內容簡介

Computing & Control Engineering (電腦與控制工程)

它的重點主要在計算機軟體，資訊系統，以及它們的應用，還有程控系統，自動化和機器人技術，以及目前在工業和商業領域被廣泛應用的商品檢驗方法和其他的先進技術。



Manufacturing Engineer (製造工程師)

它是唯一一本服務于製造工程師界的雜誌。它不僅擁有最先進的技術資訊，而且還涵蓋了生產計畫，以及采買等細節內容，可讀性十分強。



IET雜誌內容簡介

Electronics Systems & Software (電子系統學和軟體)

它被專業的工程師和設計師認為是電子系統建築和設計方面最前沿的刊物。主題包括電磁兼容性，微系統和納米技術，射頻和微波工程學等等。



Engineering Management (工程管理)

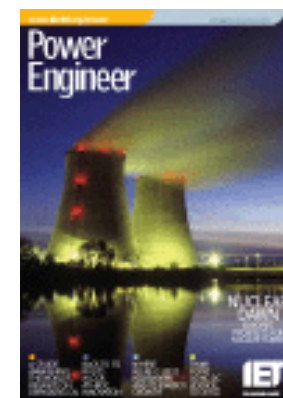
包括項目管理，營銷，金融，質量管理，以及工程師在社會中的責任。主題包括質量系統和管理，立法，債務以及包括在法律，商業和經營戰略，設計程式等方面。



IET雜誌內容簡介

Power Engineer (能源工程師)

瞄準於電力能源工程，它包括電力能源的各個方面，從產生，到圍繞它產生的各種重要論題（比如半導體和微電子學領域的許多問題）。



Information Professional (資訊專業人士)

著重在IT產業的最新發展、尤其強調在此產業需要的工作技能，新科技如何影響IT專業人士繼續前行。此外還有一些管理和策略的議題探討，例如一項企劃執行的花費控制等等。它提供產品企劃員、系統發展工程師、立約者、顧問，以及資深IT管理者在做未來產品相關決定的一些重要參考面向。



IDL & E-book 使用介面說明

主頁面 <http://digital-library.theiet.org/>

The screenshot shows the IET Digital Library homepage. At the top, there is a navigation bar with links for 'Shopping cart', 'Subscribe', 'Contacts', and 'Help'. Below this is a search bar with a 'Search' button and a dropdown menu for 'All content'. The main navigation menu includes 'Home', 'Journals & magazines', 'Conferences', 'eBooks', 'Subjects', and 'Collections'. A 'Welcome' section provides an overview of the library's holdings. A large banner for 'The NEW IET Digital Library' features the text 'Your online access to essential engineering intelligence' and a 'Find out more' button. On the right side, there are sections for 'Login', 'Not registered yet?', 'Resources for...' (listing Authors, Referees, Librarians, and Members), and 'Subscribe to our publications'. At the bottom, a 'Latest content' section displays two featured articles with their respective covers.

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The IET Digital Library holds more than 100,000 technical papers from 1994 onwards for all IET journals, magazines, books, conference publications and seminar digests. Highly cited journals such as *Electronics Letters* are available alongside 24 research journal titles, the IET's online only journal *Micro & Nano Letters*, the IET's member magazine *Engineering & Technology*, plus seminar digests and conference publications. Find out more...

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Control Theory: A guided tour
Using clear tutorial examples, this fully updated new edition concentrates on explaining and ...

Developments in Control Theory Towards Global Control
Global control, a term coined by Professor Shinji Hara at The ...

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快速連結

資源提供連結

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Advanced search

Enter one or more search criteria below. Boolean AND, OR and NOT are supported (e.g. fuel AND cell). To find an exact phrase use the quotation mark (e.g. "fuel cell"). Use asterisks (*) to match partial words in fields (e.g. optic*).

輸入關鍵字

 All of these words Within the full text?

This author

This title

This ISSN / ISBN or DOI

But don't search for

可輸入作者、期刊名、ISSN或ISBN

Search within

This subject

 All subjects

This publication type

 All content

出版品種類選項

Search between these dates

From All years

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Sort results by

- Relevance
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- Newest first
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- Electrical and electronic engineering [1389]
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- Cross-disciplinary physics and related areas of science and technology [855]
- Components, electron devices and materials [797]
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- Condensed matter: structure, thermal and mechanical properties [531]
- Structure of liquids and solids; crystallography [397]
- Condensed matter: electronic structure, electrical, magnetic, and optical properties [381]
- Methods of nanofabrication and processing [374]
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Filter by content type:

- Article [2003]
- ConferencePaper [247]
- Chapter [59]
- E-Book [11]

Experimental study on the conduction function of nano-hydroxyapatite artificial bone

Author(s): W. Zhu, X. Zhang, D. Wang, W. Lu, Y. Ou, Y. Han, K. Zhou, H. Liu, W. Fen, L. Peng, C. He, Y. Zeng
 Source: Micro & Nano Letters, Volume 5, issue 1, 2010, p. 19 - 27
 Type: Article
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GHz amplifiers go nano

Author(s): H. Dyball
 Source: Electronics Letters, Volume 47, issue 4, February 2011,
 Type: Article
[Hide details](#)

文章摘要

Mass-producible carbon nanotube field effect transistors (CNTFETs) have been used for the first time to build a GHz amplifier. US-based collaborating companies RF Nano Corp. and MITEQ Ltd. developed a CNTFET-based single-stage L-band RF amplifier which demonstrates the highest performance circuit published so far for this technology. "RF Nano is the first and only company able to mass produce CNTFETs useful for amplifiers that operate in the GHz range," said Dr Michael Schroter, Vice President RF Engineering at RF Nano. "In addition, RF Nano has a working compact transistor model with a suite of passives in development for a full CNTFET MMIC platform."

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Resonant nano-cluster devices

Author(s): J. Haglmüller, H. Rauter, G. Bauer, F. Pittner, T. Schalkhammer
 Source: IEE Proceedings - Nanobiotechnology, Volume 152, issue 2, 2005, p. 53 - 63
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Nano-hydroxyapatite/fibrin glue/recombinant human osteogenic protein-1 artificial bone for repair of bone defect in an animal

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Home > Journals & magazines > Electronics Letters > Volume 47, Issue 4 > Article

GHz amplifiers go nano

Author(s): H. Dyball ¹

[View affiliations](#)

Source: Electronics Letters, Volume 47, issue4, 17 February 2011, page 227



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Supplementary material (0)

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Abstract

Mass-producible carbon nanotube field effect transistors (CNTFETs) have been used for the first time to build a GHz amplifier. US-based collaborating companies RF Nano Corp. and MITEQ Ltd. developed a CNTFET-based single-stage L-band RF amplifier which demonstrates the highest performance circuit published so far for this technology. "RF Nano is the first and only company able to mass produce CNTFETs useful for amplifiers that operate in the GHz range," said Dr Michael Schroter, Vice President RF Engineering at RF Nano. "In addition, RF Nano has a working compact transistor model with a suite of passives in development for a full CNTFET MMIC platform."

DOI: 10.1049/el.2011.9013
Print ISSN : 0013-5194
Online ISSN : 1350-911X
Format: PDF

See

INSPEC索引詞

This article has the following associated article(s):

L-band carbon nanotube transistor amplifier

其他索引詞

Inspec keywords: carbon nanotubes; field-effect MMIC; nanotube devices; MMIC amplifiers; field effect transistors

Other keywords: single-stage L-band RF amplifier; MMIC amplifiers; CNTFETs; carbon nanotube field effect transistors; GHz amplifiers

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Control Theory: A guided tour

Author(s): James Ron Leigh
Publication date : January 2012
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篩選

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- 2010 [9]
- 2009 [7]
- 2008 [11]
- 2007 [6]
- 2006 [10]
- 2005 [10]
- 2004 [24]
- 2003 [15]
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A Handbook for EMC Testing and Measurement

Author(s): David Morgan
 Publication date : January 1994
[Show details](#)



A History of Control Engineering 1800-1930

Author(s): S. Bennett
 Publication date : January 1979
[Show details](#)



A History of Control Engineering 1930-1955

Author(s): S. Bennett
 Publication date : January 1993
[Show details](#)



A History of the World Semiconductor Industry

Author(s): P. R. Morris
 Publication date : January 1990
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A Management Guide to Logistics Engineering

Editor: K. Beal
 Publication date : January 1989
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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 作者名字母順序搜尋

Acarnley, Paul

Stepping Motors: a guide to theory and practice

Publication date : January 2002

Show details ▶

Ackerley, R.

Telecommunications Performance Engineering

Publication date : January 2004

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Adams, J.

Electrical Safety: a guide to causes and prevention of hazards

Publication date : January 1994

Show details ▶

Aggarwal, Raj

Artificial Intelligence Techniques in Power Systems

Publication date : January 1997

Show details ▶

Al-Hashimi, Bashir

System-on-Chip: Next Generation Electronics

Publication date : January 2006

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Albertos, P.

Control Engineering Solutions: a practical approach

Publication date : January 1997

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IET Taiwan Rep.--飛資得知識服務
Tel: +886-2-26581258 EXT.504
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