

# IEEE *Xplore*<sup>®</sup> 全文電子資料庫 - IEL 資料庫簡介 及 操作說明使用指引 -

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涵堂資訊 獨家代理

# IEEE Xplore® 全文電子資料庫

## ➤ 認識 IEEE Xplore® Digital Library

1) IEEE 學會

2) IEL 資料庫

## ➤ IEEE Xplore® 平台功能

1) 瀏覽功能 **Browse**

2) 檢索功能 **Search**

3) 個人化設定 **My Settings**



# IEEE 學會介紹



**IEEE**

**The Institute of Electrical  
and Electronics Engineers**

**國際電機電子工程師學會**

# IEEE 學會\_簡介

- 非營利組織，全球最大的技術學會之一，成員遍佈160多個國家地區，會員超過42萬人
- 核心運作方式:
- IEEE會員、舉辦研討會、制定標準、出版期刊、會議論文、電子書及線上課程
- IEEE Xplore 資料庫涵蓋：
  - -收錄500萬+文獻內容
  - -每月平均高達1200萬次下載量
  - -超過500萬的用戶



IEEE 能源領域  
學者  
RazanGafbin  
在薩爾瓦多  
從事淨水專案

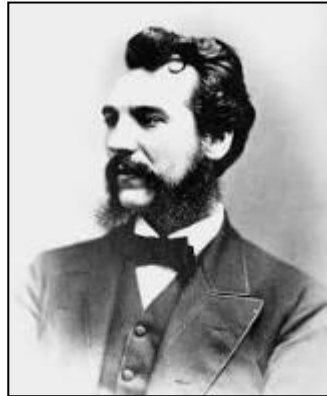


IEEE 智慧村  
計劃 幫助  
撒哈拉以南  
的非洲村莊

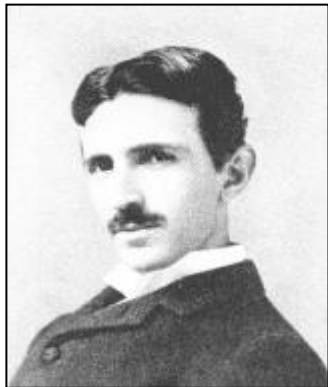
# IEEE 學會\_起源



Thomas Edison



Alexander Graham Bell



Nikola Tesla

Landmark exhibition at Franklin Inst. in Philadelphia, the American Institute of Electrical Engineers held its first conference on 7-8 Oct. 1884. This was the first formal technical conference on electrical engineering held in the U.S.



# IEEE 學會\_組織演進

1884

1912

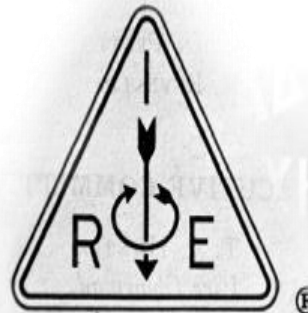
1963

Present



**AIEE**  
American Institute  
of Electrical Engineers

Thomas Edison,  
Alexander Graham Bell,  
and other notables  
founded the **American  
Institute of Electrical  
Engineers.**



**IRE**  
Institute of Radio  
Engineers

Pioneers of wireless technologies  
and electronics founded the more  
internationally focused  
**Institute of Radio Engineers.**



AIEE and IRE merged to become the Institute of  
Electrical and Electronics Engineers, or **IEEE.**

# 科技領域頂尖學者卓越成就 皆仰賴 IEEE 文獻



## IEEE 榮譽徽章獲獎者：

2016

**G. David Forney, Jr.**

戴夫·福尼

主要以對電信系統論，特別是編碼理論和資訊理論的研究而知名。

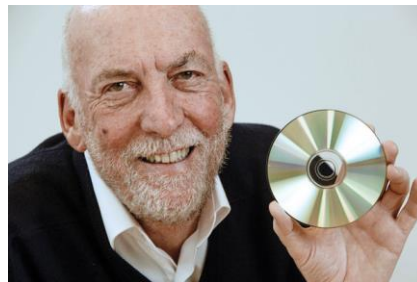


2017

**Kees Schouhamer Immink**

基斯·伊明克

開創數位音頻，視頻和數據記錄的時代，包括CD, DVD和Blu-ray Disc等儲存媒體。



2018

**Bradford W. Parkinson**

布拉德福德·帕金森  
GPS全球定位系統的研究先驅

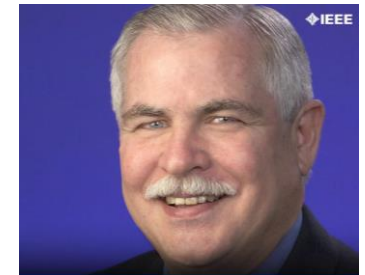


2019

**Kurt E. Petersen**

庫特·彼德森

美國國家工程院的成員。主要因其在微機電系統上工作而聞名。





- IEEE Aerospace and Electronic Systems Society
- IEEE Antennas and Propagation Society
- IEEE Broadcast Technology Society
- IEEE Circuits and Systems Society
- IEEE Communications Society
- IEEE Computational Intelligence Society
- IEEE Computer Society
- IEEE Consumer Electronics Society
- IEEE Control Systems Society
- IEEE Dielectric and Electrical Insulation Society
- IEEE Educational Activities Council
- IEEE Electron Devices Society
- IEEE Electron Packaging Society
- IEEE Electron Devices Society
- IEEE Engineering in Medicine and Biology Society
- IEEE Geoscience and Remote Sensing Society
- IEEE Industrial Electronics Society
- IEEE Industry Applications Society
- IEEE Information Theory Society
- IEEE Instrumentation and Measurement Society
- IEEE Intelligent Transportation Systems Society
- IEEE Magnetics Society
- IEEE Microwave Theory and Techniques Society
- IEEE Nuclear and Plasma Sciences Society
- IEEE Oceanic Engineering Society
- IEEE Photonics Society
- IEEE Power Electronics Society
- IEEE Power & Energy Society
- IEEE Product Safety Engineering Society

# 39個專業分會

## IEEE Societies

- IEEE Systems, Man, and Cybernetics Society
- IEEE Technology and Engineering Management Society
- IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
- IEEE Vehicular Technology Society

# IEEE 涵蓋各個科技領域

**More than just electrical engineering & computer science**

- Aerospace & Defense
- Automotive Engineering
- Biomedical Engineering
- Biometrics
- Circuits & Systems
- Cloud Computing
- Communications
- Computer Software
- Electronics
- Energy
- Engineering
- Imaging
- Information Technology
- Medical Devices
- Nanotechnology
- Optics
- Petroleum & Gas
- Power Electronics
- Power Systems
- Robotics & Automation
- Semiconductors
- Smart Grid
- Wireless Broadband  
and many more



# IEEE Xplore® 豐富的文獻量

**5 Million**

documents in full text PDF format

**Over 3,900**

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IEEE standards

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eBooks Titles

**200**

IEEE journals, magazines  
and transactions

Proceedings from

**over 1,800**

IEEE and IET conference titles

**Over 400**

eLearning courses

More than **1.7 million**  
contributing authors

# 期刊引用率以 **IEEE** 文獻佔比最多

Journal Citation Reports® by Impact Factor

## IEEE publishes:

- **27 of the top 30** journals in **Electrical and Electronic Engineering**
- **21 of the top 25** journals in **Telecommunications**
- **7 of the top 10** journals in **Artificial Intelligence**
- **8 of the top 10** journals in **Automation & Control Systems**
- **4 of the top 5** journals in **Computer Science, Information Systems**
- **7 of the top 10** journals in **Computer Science, Hardware & Architecture**
- **3 of the top 5** journals in **Computer Science, Cybernetics**
- **3 of the top 5** journals in **Imaging Science & Photographic Technology**
- **3 of the top 5** journals in **Transportation Science & Technology**

Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

Each year, the Journal Citation Reports® (JCR) from Web of Science Group examines the influence and impact of scholarly research journals. JCR reveals the relationship between citing and cited journals, offering a systematic, objective means to evaluate the world's leading journals.

# IEEE 文獻在各領域影響甚鉅

Journal Citation Reports® by Impact Factor

## IEEE journals are:

- **# 1** in Artificial Intelligence
- **# 1** in Automation and Control Systems
- **# 1** in Cybernetics
- **# 1** in Hardware & Architecture
- **# 1** in Imaging Science & Photographic Technology
- **# 1** in Information Systems
- **# 1** in Instruments and Instrumentation
- **# 1** in Medical Informatics
- **# 1** in Remote Sensing
- **# 1** in Telecommunications
- **# 2** in Electrical & Electronic Engineering

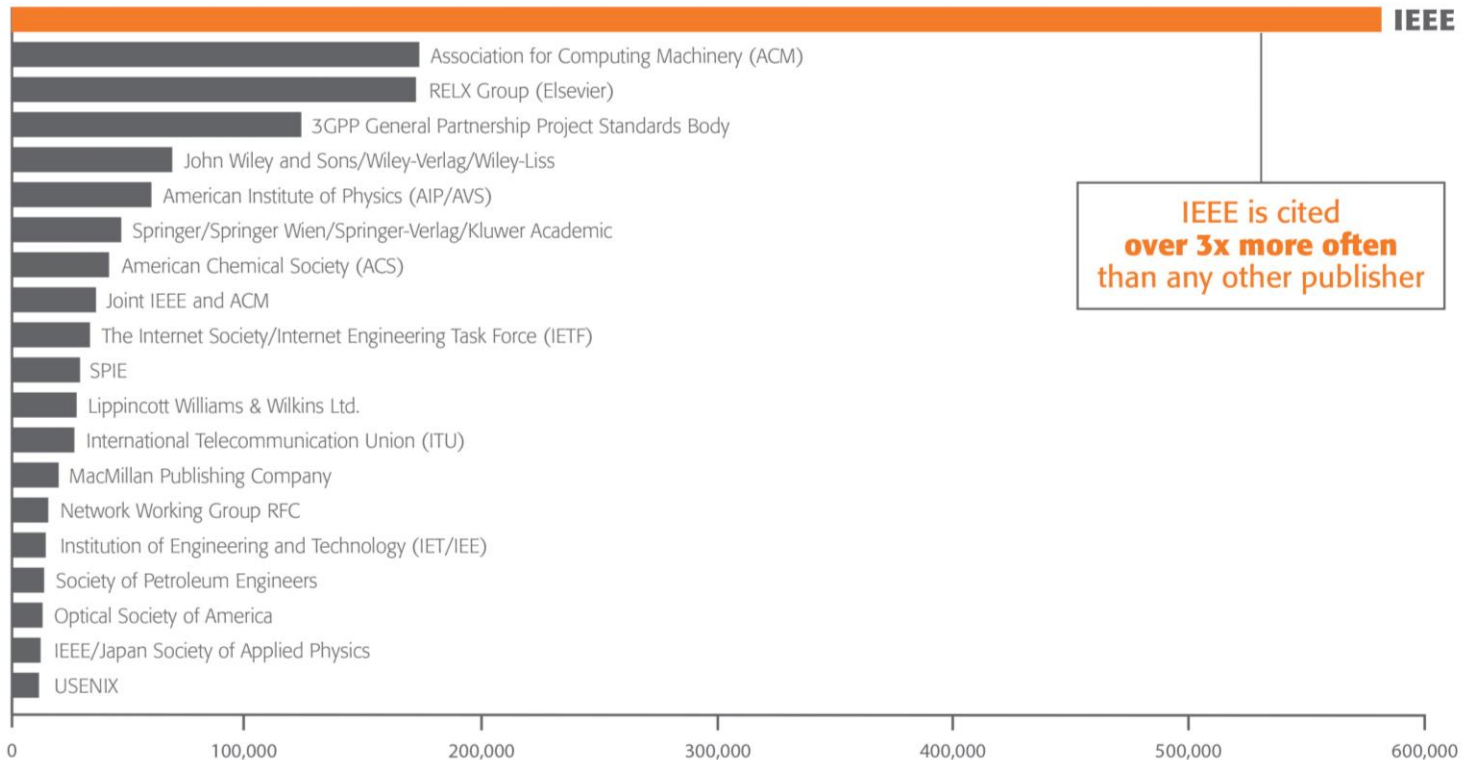


Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

The Journal Citation Report presents quantifiable statistical data that provide a systematic, objective way to evaluate the world's leading journals.

# IEEE 在人工智慧.自動駕駛汽車. 物聯網... 相關專利中 佔據主導地位

Number of U.S. Patent References from Top 50 Companies to Top 20 Publishers



Source: 1790 Analytics LLC, Copyright 2020

# 認識 IEL 資料庫

**IEEE Xplore<sup>®</sup>**

**IEL (IEEE Electrical Library)**

- IEEE 電子出版品皆透過 IEEE Xplore 平台連線。
- IEL 為 IEEE 收錄最完整的線上資料庫，完整收錄 IEEE 出版的核心文獻，包括期刊雜誌、會議論文及技術標準。
- 亦可查看，其他相關學會出版的文獻全文。  
包括：IET 會議論文、Bell Lab 技術期刊及 VDE 會議論文。

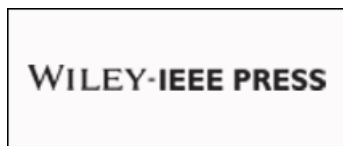
合作的出版單位有:

**TSINGHUA**  
Science and Technology

Alcatel-Lucent  
Bell Labs



**IET** The Institution of  
Engineering and Technology



**now**



**River Publishers**

**VDE**

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# IEEE Xplore 各國下載量排名 台灣第六

#1 USA



#2 China



#3 India



#4 South Korea



#5 United Kingdom



#6 Taiwan



#7 Germany



#8 Japan



#9 Canada



#10 Australia



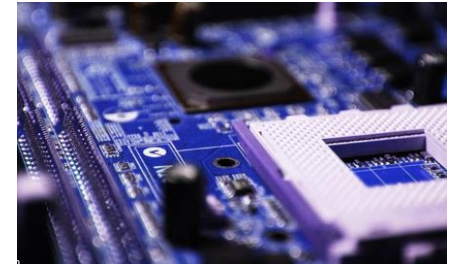
Data as of January 2019

# IEEE Xplore® 收錄文獻類型



# New JOURNAL 2020 & 2021

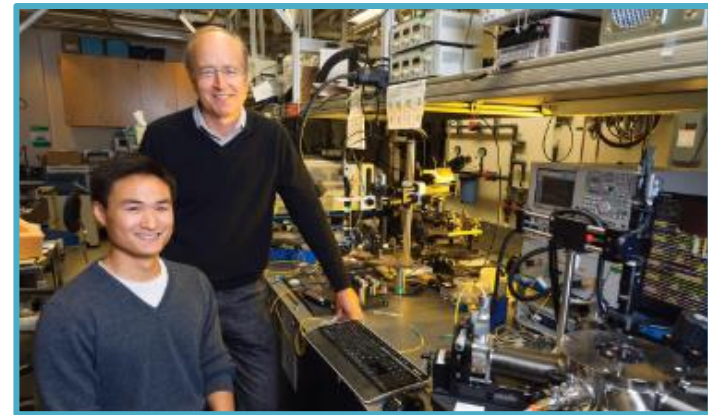
- IEEE Journal of Emerging and Selected Topics in **Industrial Electronics**
- IEEE Journal on Selected Areas in **Information Theory**
- IEEE Transactions on **Technology and Society**
- IEEE Transactions on **Artificial Intelligence**
- IEEE BITS the **Information Theory Magazine**



\*Please note this is a tentative list and is subject to change.

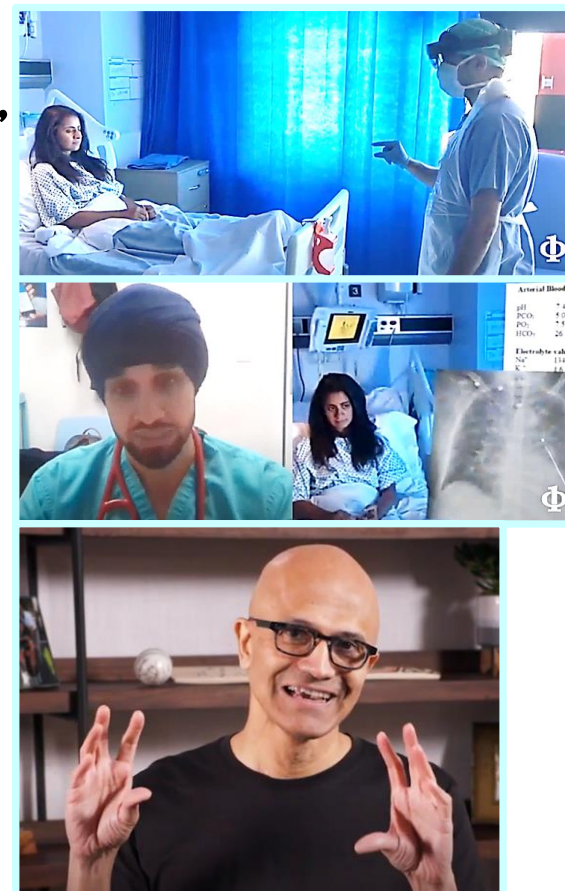
# IEEE 不間斷的線上學術研討交流

- 大多數 IEEE 會議以新的虛擬方式持續舉辦，許多會議都創下出席人數的紀錄，並獲得廣大迴響。
- 例如: 2020年5月舉辦的CLEO會議
  - 有來自75個國家，近 20,000 名參與者
  - 超過 1,800 篇科學文獻 (較以往增長20%)
  - 這些文獻如今都可以在IEE Xplore查找全文



# IEEE 持續帶動全球科技脈動

- 通過主題演講、會議、研討會及虛擬學習討論，該活動成為強而有力的論壇，能夠以全球視野推動電腦視覺、AI 和機器學習的理解、應用和進步。
- 例如: 2020年6月舉辦的CVPR會議
  - 有來自全球各地近7,600名參與者
  - 超過 1,470 篇科學文獻 (較以往增長13%)
  - 這些文獻如今都可以在IEE Xplore查找全文
  - 微軟首席執行官薩蒂亞•納德拉 ( Satya Nadella ) 演示用於安全治療英國COVID-19患者的霍洛倫斯技術



# IEEE Conference 專業研討會議

引領專家學者持續在新興技術上不斷突破

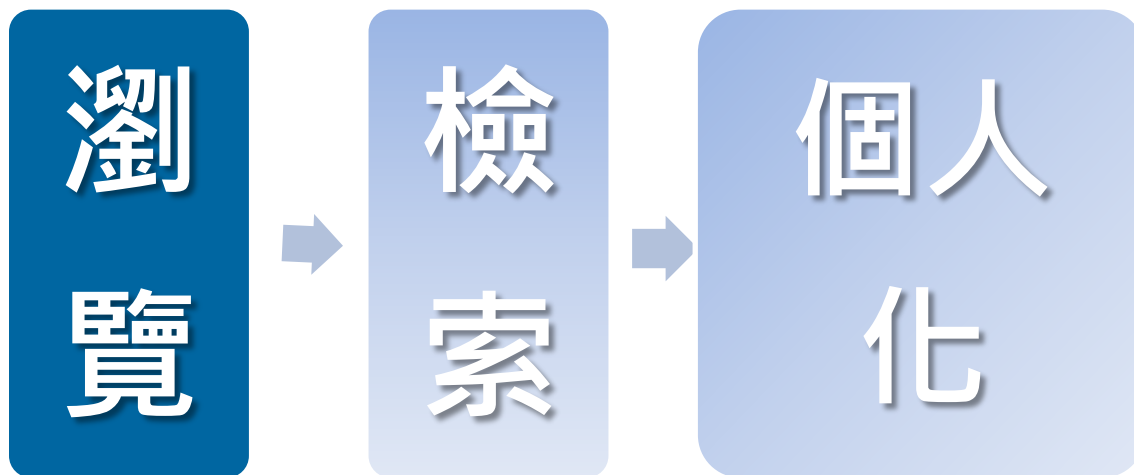
2020 年發佈的一些與創新技術有關的學術研討會:

- IEEE Int'l Conf on Blockchain and Cryptocurrency (ICBC)
- 2020 Conf on Data Science and Machine Learning Applications
- World Symposium on Artificial Intelligence (WSAI)
- Int'l Conf on Artificial Intelligence and Big Data (ICAIBD)
- Int'l Conf on Connected and Autonomous Driving
- 2020 Global Internet of Things Summit (GloTS)
- IEEE Int'l Conf on Cyber Security and Cloud Computing
- IEEE Int'l Conf on Power Electronics, Smart Grid, and Renewable Energy
- Int'l Conf on Renewable Energies for Developing Countries
- Conf on Innovation in Clouds, Internet and Networks, and Workshops (ICIN)
- 2020 Int'l Conf on Ubiquitous Robots (UR)
- 2020 3rd Int'l Conf on Engineering: Machine Learning and Internet of Things



Note: this is a partial listing of new conferences and is not all-inclusive or final. Information is subject to change.

# IEEE *Xplore*<sup>®</sup> 平台功能



# IEEE Xplore 首頁總覽(I)

The screenshot shows the IEEE Xplore homepage with several callout boxes:

- 個人化功能** (Personalized Function): Points to the 'Browse' dropdown menu.
- 顯示學校英文名稱** (Display School English Name): Points to the 'Access provided by:' field.
- 個人化功能登入** (Personalized Function Login): Points to the 'Personal Sign In' link.

The main content area features the slogan "Advancing Technology for Humanity" and a search bar displaying "SEARCH 5,224,287 ITEMS". Below the search bar are buttons for "ADVANCED SEARCH" and "TOP SEARCHES".

## 瀏覽功能:

- 依文獻類型
- 最受歡迎
- 最新出版

Free to Access Now: COVID-19 Related Research in IEEE Xplore.  
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## 檢索工具列:

- 簡易檢索
- 進階檢索
- 檢索熱門文獻



# IEEE Xplore 首頁總覽(2)

## Featured Articles

熱門期刊內容



**Children May Trust Robots More Than Human Physical Therapists**

1 Sep 2019



**Unlocking IoT Data with 5G and AI**

26 June 2019

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**Wanted: A Bomb Detector as Sensitive as a Dog's Nose**

2 Oct 2019

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**New Course Program Explores IEEE Standard 1547TM - 2018**

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**IEEE Launches TechRxiv Preprint Server**

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**IEEE Announces Call for Papers for New Open..**

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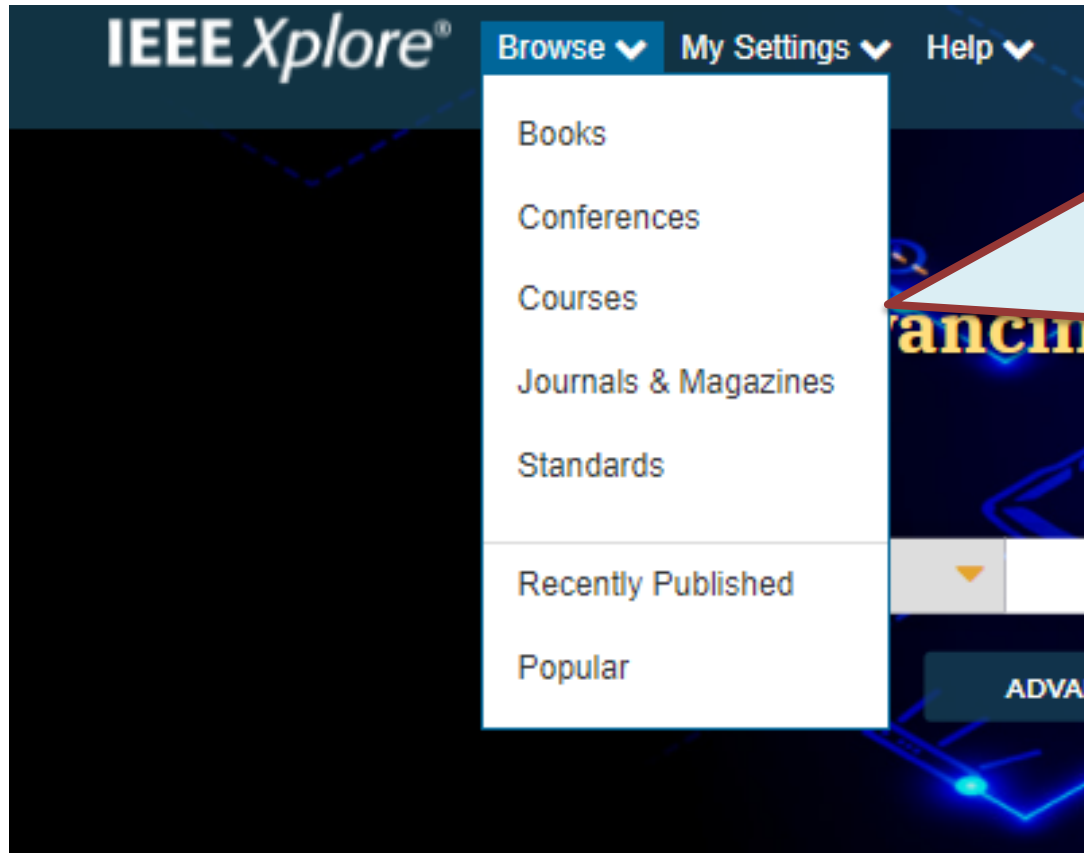
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## IEEE 即將舉辦之研討會

### Upcoming Conferences

<b>11</b> DE C	2019 IEEE 58th Conference on Decision and Control (CDC)	<a href="#">REGISTER</a>	<a href="#">11-13 DECEMBER 2019   NICE, FRANCE</a>	<a href="#">🔗</a>
<b>18</b> JA N	IEEE International Conference on Micro Electro Mechanical Systems	<a href="#">REGISTER</a>	<a href="#">18-22 JANUARY 2020   VANCOUVER, BRITISH COLUMBIA, CANADA</a>	<a href="#">🔗</a>
<b>8</b> M AR	2020 Optical Fiber Communications Conference and Exhibition (OFC)	<a href="#">REGISTER</a>	<a href="#">8-12 MARCH 2020   SAN DIEGO, USA</a>	<a href="#">🔗</a>

# Browse 瀏覽功能



- 依照文獻類別瀏覽
  - 電子書
  - 會議論文
  - 線上課程
  - 期刊雜誌
  - 技術標準
- 其他綜合瀏覽
  - 最近出版文獻
  - 熱搜文獻

# 1. 期刊雜誌瀏覽

All

Advanced Search | Other Search Options

Browse Journals & Magazines

**可輸入關鍵字查詢刊名**

By Title | By Topic | Virtual Journals

Search by keywords  Sign Up for Alerts

**依開頭字母順序查詢**

Browse Titles

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 | 0-9 | All

Displaying Results 1-25 of 337 Sort By: Publication Title A - Z  | Per Page: 25

**期刊清單**

Refine results by

Show active titles only

Year

Single Year Range

1872, 2019

**預先設定顯示筆數**

IEEE Access  
Publisher: IEEE Years: 2013 - Present Most Recent Issue

IEEE Aerospace and Electronic Systems Magazine  
Publisher: IEEE Years: 1986 - Present Most Recent Issue

IEEE Transactions on Aerospace and Electronic Systems  
Publisher: IEEE Years: 1965 - Present Most Recent Issue

# 期刊雜誌 瀏覽 (Browse)

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- 9 | [All](#)

Displaying Results 1-25 of 337

Sort By: [Publication Title A - Z](#) | Per Page: [25](#)

Refine results by

Show active titles only

Year

1872,

2019

[IEEE Access](#)

Publisher: IEEE Years: 2013 - Present [Most Recent Issue](#)

[IEEE Aerospace and Electronic Systems Magazine](#)

Publisher: IEEE Years: 1986 - Present [Most Recent Issue](#)

[IEEE Transactions on Aerospace and Electronic Systems](#)

Publisher: IEEE Years: 1965 - Present [Most Recent Issue](#)

# 期刊雜誌瀏覽 [ByTitle/ByTopic]

Browse Journals & Magazines [?](#)

**By Title** | By Topic | Virtual Journals

Network

[Sign Up for Alerts](#) | [Title List](#)

Browse Titles [?](#)

A | B |

有14筆刊名符合“ Network” 的刊物

設定排序條件

Displaying Results 1-14 of 14 for Network x

Sort By: Publication Title A - Z | Per Page: 25

Year

Single Year | Range

1987 2019

From 1987 To 2019

Publisher

- IEEE (12)
- IET (1)
- OUP (1)

Topic

- Communication, Networking & Broadcasting (12)
- Computing & Processing (7)

左邊檢索欄可以進階篩選年份/出版社/主題

IEEE Transactions on Cognitive Communications and Networking

Publisher: IEEE Years: 2015 - Present Most Recent Issue

Journal of Communications and Networks

Publisher: IEEE Years: 1999 - Present Most Recent Issue

Journal of Complex Networks

Publisher: OUP Years: 2013 - Present Most Recent Issue

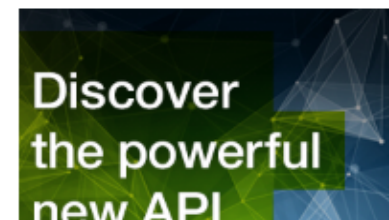
IEEE Transactions on Control of Network Systems

Publisher: IEEE Years: 2014 - Present Most Recent Issue

IEEE Transactions on Green Communications and Networking

Publisher: IEEE Years: 2017 - Present Most Recent Issue


預先設定顯示筆數



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期刊介紹

7.197  
Impact  
Factor

0.0091  
Eigenfactor

2.096  
Article  
Influence  
Score



分析期刊被引用狀況，以呈現其影響力的指標

As currently defined, IEEE Network covers the following areas: 1. network protocols and architectures, 2. Protocol design and validation, 3. Communication software and its development and test, 4. Network control and signalling, 5. network management, 6. Practical network implementations including local area networks, (LANs), metropolitan area networks (MANs), and wide area networks, (WANs), 7. Switching and processing in integrated (voice/data) networks and network components, 8. Micro-to-host communication. [View Full Aims & Scope](#)


發行主旨

Author Resources

Popular Articles

Latest Published Articles

# 期刊雜誌資訊介紹 (About Journal)

Browse Journals & Magazines > IEEE Network 

IEEE Network



Home	Popular	Early Access	Current Issue	All Issues	About Journal
------	---------	--------------	---------------	------------	---------------

8.808 Impact Factor	0.01064 Eigenfactor	1.994 Article Influence Score	
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## Author Resources

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## Meet the Editor

Editor-in-Chief

Chonggang Wang   
InterDigital, USA

## Aims & Scope

## Publication Details


## Information

- IEEE Network Magazine
- Information for Authors
- Editorial Board

## Sponsored by

- IEEE Communications Society

## Editor-in-Chief

Chonggang Wang   
InterDigital, USA

## Advertising

Mark David  
m.david@ieee.org

ISSN : 0890-8044

## ISSN Information


Frequency: 6


一年出版六次(雙月刊)

# 期刊雜誌瀏覽-熱門文獻 (Popular)

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Early Access

Current Issue

每月熱門Top 50

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Date

April 2019 

Select All on Page

Learning IoT in Edge: Deep Learning for the Internet of Things with Edge Computing 

He Li ; Kaoru Ota ; Mianxiong Dong

Publication Year: 2018, Page(s): 96 - 101

Cited by: Papers (33)

 Abstract   (221 Kb) 

直接下載PDF檔

Blockchain-Enabled Security in Electric Vehicles Cloud and Edge Computing 

Hong Liu ; Yan Zhang ; Tao Yang

Publication Year: 2018, Page(s): 78 - 83

Cited by: Papers (5)

 Abstract   (270 Kb) 

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# 期刊雜誌瀏覽-單篇文獻介紹 (Volume/Issue)

Journals & Magazines > IEEE Network > Volume: 34 Issue: 3

## A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems

Publisher: IEEE

Cite This

PDF

文章標題

Walid Saad ; Mehdi Bennis ; Mingzhe Chen

引文格式

174  
Paper  
Citations

7476  
Full  
Text Views



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### Abstract

#### Document Sections

- » Introduction
- » 6G Driving Applications, Metrics, and New Service Classes

### Abstract:

The ongoing deployment of 5G cellular systems is continuously exposing the inherent limitations of this system, compared to its original premise as an enabler for Internet of Everything applications. These 5G drawbacks are spurring worldwide activities focused on defining the next-generation 6G wireless system that can truly integrate far-reaching applications ranging from autonomous systems to extended reality. Despite recent 6G initiatives (one example is the 6Genesis project in Finland), the fundamental architectural and performance components of 6G remain largely undefined. In this article, we present a holistic, forward-looking vision that defines the tenets of a 6G system. We opine that 6G will not be a mere exploration of more spectrum at high-frequency bands, but it will rather be a convergence of upcoming

### More Like This

A Comprehensive Survey on Internet of Things (IoT) Toward 5G Wireless Systems  
IEEE Internet of Things Journal  
Published: 2020

Optimal Routing for Multihop Social-Based D2D Communications in the Internet of Things  
IEEE Internet of Things Journal  
Published: 2018

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# 期刊雜誌瀏覽-單篇文獻PDF全文

Journals & Magazines > IEEE Network > Volume: 34 Issue: 3

## A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems

Publisher: IEEE

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### Abstract

#### Document Sections

- » Introduction
- » 6G Driving Applications, Metrics, and New Service Classes

### Abstract:

The ongoing system, con drawbacks that can truly Despite rec architectura holistic, forv exploration

The screenshot displays the article's abstract and document sections. The abstract discusses the ongoing deployment of 5G cellular systems and the need for a next-generation 6G wireless system. It mentions that 5G drawbacks are spurring worldwide activities focused on defining the next-generation 6G wireless system that can truly integrate far-reaching applications ranging from autonomous systems to extended reality. Despite recent 6G initiatives (one example is the 6Genesis project in Finland), the fundamental architectural and performance components of 6G remain largely undefined. In this article, the authors present a holistic, forward-looking vision that defines the tenets of a 6G system. They opine that 6G will not be a mere exploration of more spectrum at high-frequency bands, but it will rather be a convergence of upcoming technological trends driven by exciting, underlying services. In this regard, they first identify the primary drivers of 6G systems, in terms of applications and accompanying technological trends. Then, they propose a new set of service classes and expose their target 6G performance requirements. They then identify the enabling technologies for the introduced 6G services and outline a comprehensive research agenda that leverages those technologies. We

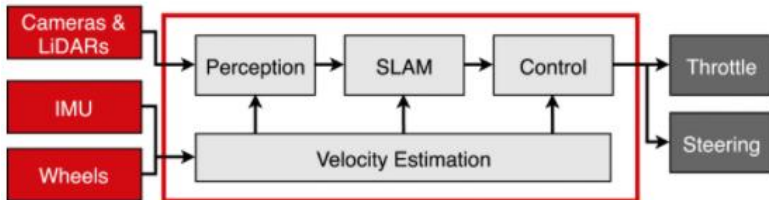
realized. One can argue that the evolutionary path of 5G (i.e., supporting rate-hungry eMBB services) has gained significant momentum. However, the promised revolutionary outlook of 5G, a system operating almost exclusively at high-frequency millimeter wave (mmWave) frequencies and enabling heterogeneous IoT services, has thus far remained a mirage. Although the 5G systems that are currently being marketed will readily support basic IoT and URLLC services (e.g., factory automation), it is debatable whether they can deliver tomorrow's smart city IoT applications. Moreover, although 5G will eventually support fixed-access at mmWave frequencies, it is more likely that early 5G roll-outs will still use sub-6 GHz for supporting mobility.

Meanwhile, an unprecedented proliferation of new IoT services is ongoing. Examples range from extended reality (XR) services (encompassing augmented, mixed, and virtual reality (AR/MR/VR)) to telemedicine, haptics, flying vehicles, brain-computer interfaces, and connected autonomous systems. These applications will disrupt the original 5G goal of supporting short-packet, sensing-based URLLC services. To successfully operate IoT services such as AR and connected autonomous systems, a wireless system must simultaneously deliver high reliability, low latency, and high data rates, for heterogeneous devices.

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## 快速瀏覽圖表

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 Fig. 1.  
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Top: pilatus driverless, the formula student race car used for testing. ©FSG - Zenker. Bottom: Simplified software architecture of pilatus driverless race car showing the central role of velocity estimation.

datasets across their infrastructure to enhance network functions and provide new services. This trend motivates new machine learning techniques that go beyond classical big data analytics.

### Trend 5 – From Self-Organizing Networks (SON) to Self-Sustaining Networks

SON has only been scarcely integrated into 4G/5G networks due to a lack of real-world need. However, CRAS and DLT technologies motivate an immediate need for intelligent SON to manage network operations, resources, and optimization. 6G will require a paradigm shift from classical SON, whereby the network merely adapts its functions to specific environment states, into a *self-sustaining network (SSN)* that can maintain its key performance indicators (KPIs), *in perpetuity*, under highly dynamic and complex environments stemming from the rich 6G application domains. SSNs must be able to not only adapt their functions but to also sustain their resource usage and management (e.g., by harvesting energy and exploiting spectrum) to autonomously maintain high, longterm KPIs. SSN functions powered 6G SSNs

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### Trend 6 – Convergence of Communications, Computing, Control, Localization, and Sensing (3CLS)

The past five generations of cellular systems had one exclusive function: wireless communications. However, 6G will disrupt this premise through a convergence (i.e., joint and simultaneous offering) of various functions that include communications, computing [5], control, localization, and sensing. We envision 6G as a multi-purpose system that can

5. Y. Li et al., "Joint Optimization of Radio and Virtual Machine Resources with Uncertain User Demands in Mobile Cloud Computing", *IEEE Trans. Multimedia*, vol. 20, no. 9, pp. 2427-38, Sept. 2018.

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provide 3CLS.


TABLE 1. Requirements of 5G vs. 6G-based 5G vs. 6G

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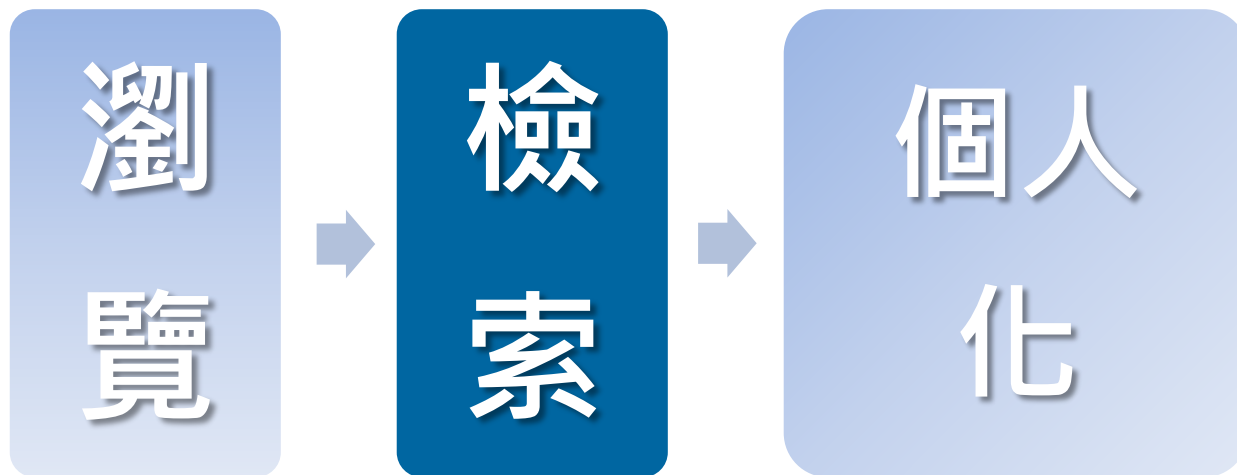
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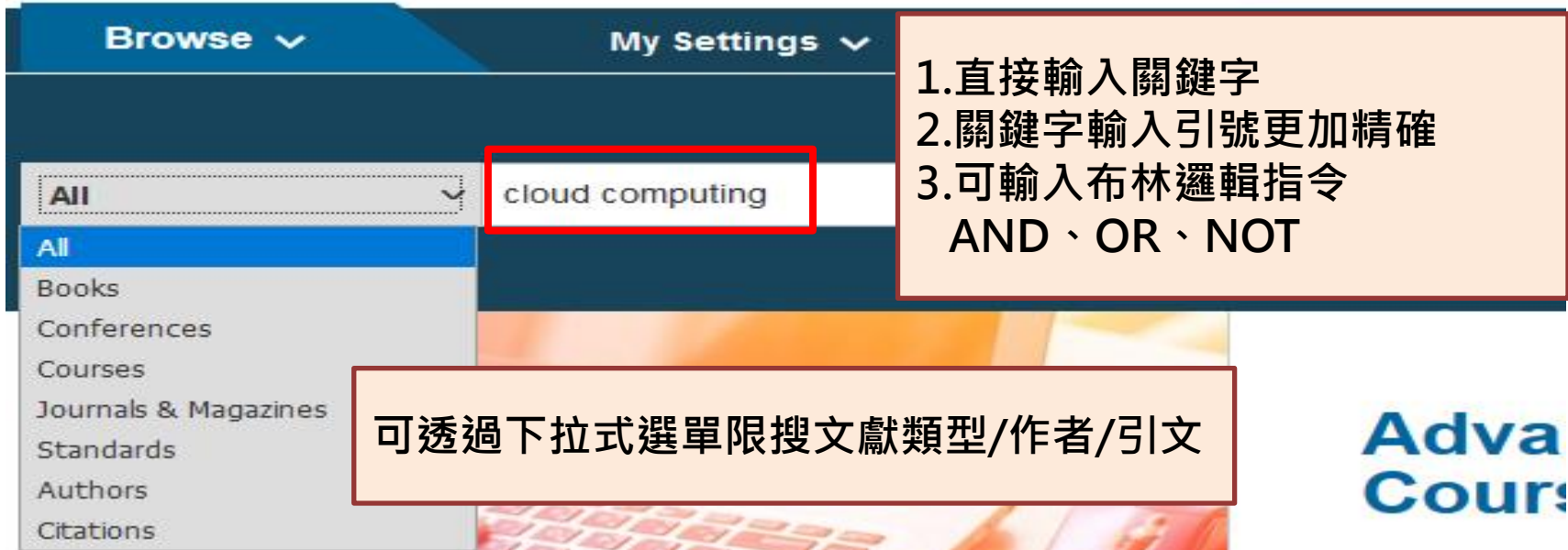
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C-Cloud: A Cost-Efficient Reliable **Cloud of Surplus Computing** Resources  
Partha Dutta ; Tridib Mukherjee ; Vinay Gangadhar Hegde ; Sujit Gujar  
2014 IEEE 7th International Conference on Cloud Computing

A "No Data Center" Solution to **Cloud Computing**  
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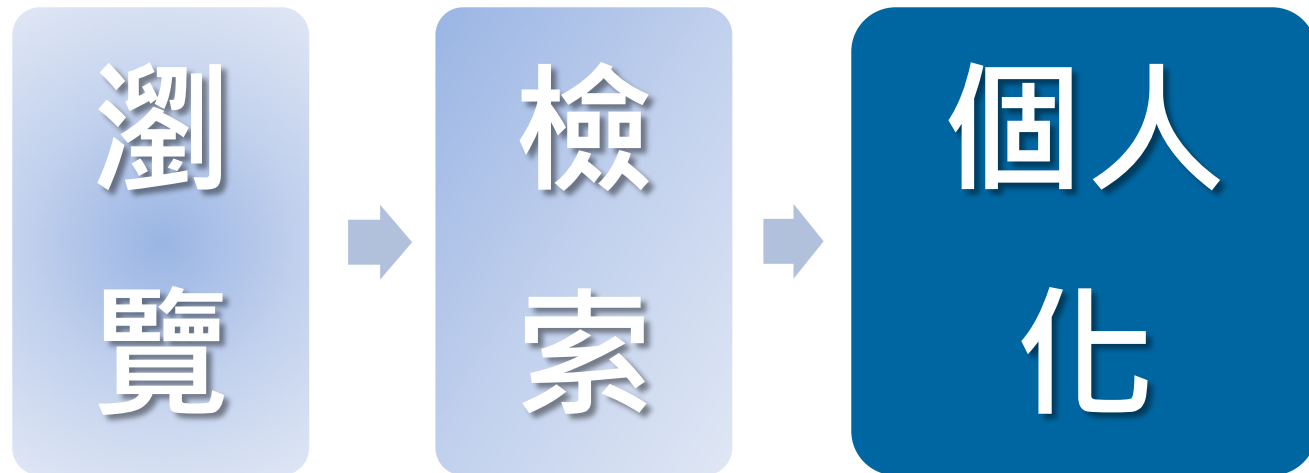
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The screenshot shows the 'Alerts' section of the HINTON Information Services website. At the top, there is a search bar with 'All' selected and a search icon. Below the search bar is the text 'ADVANCED SEARCH'. The main content area is titled 'Alerts' with a help icon. A paragraph explains that alerts will be sent to sylvia.cheng@hintoninfo.com and that the email address can be changed in the 'Preferences' section. Below this is a navigation bar with tabs for 'Journals & Magazines', 'Conferences', 'Standards', 'Books', 'Citation', 'Saved Searches', and 'Authors'. The 'Saved Searches' tab is highlighted with a red box. Underneath, there is a 'Refine Results by' section with a 'Select All' checkbox. The 'Content Type' section is expanded, showing 'IEEE Access' checked. Below that, there are checkboxes for 'Journals (215)', 'Magazines (49)', and 'IEEE Aerospace and Electronic Systems Magazine'. The 'Publisher' section is collapsed. At the bottom, there are checkboxes for 'IEEE Transactions on Aerospace and Electronic Systems' and 'IEEE Transactions on Affective Computing', followed by an 'Update' button. On the right side, there is a promotional banner for 'THE IEEE APP: Let's stay connected...' with a 'Download Today!' button and icons for the App Store and Google Play.

# Alerts (2) 檢索條件追蹤

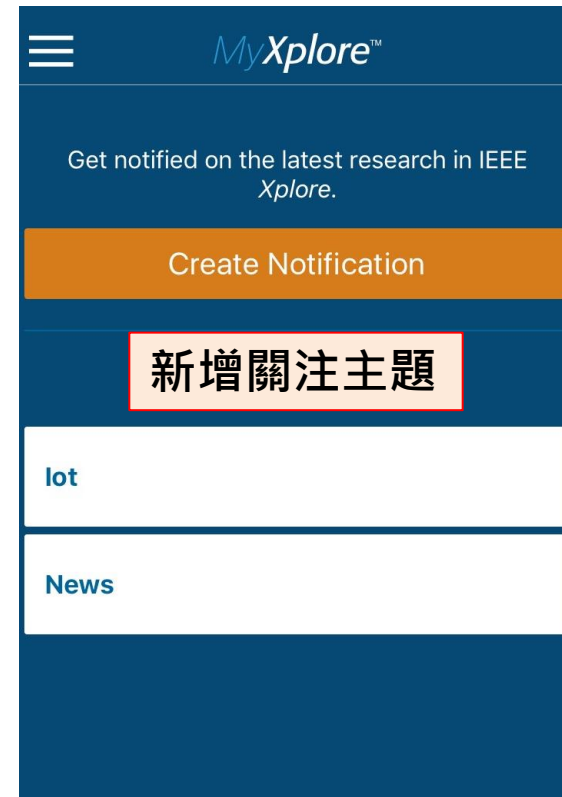
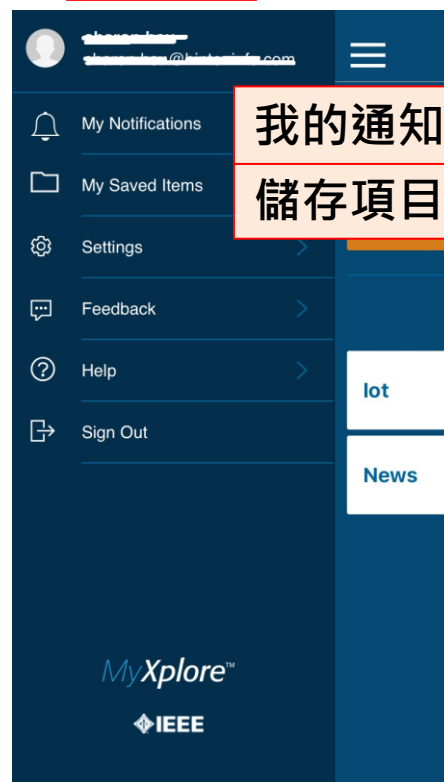
## [Set Search Alerts 設定檢索通知]

The screenshot shows the IEEE Xplore search results page. At the top, there is a navigation bar with links for IEEE.org, IEEE Xplore, IEEE-SA, IEEE Spectrum, and More Sites. The user is logged in as Sylvia Cheng, and there is a 'Sign Out' button. The main search bar contains the text 'All' and a search icon. Below the search bar, there is a section for 'Search within results' with a search icon. The search results are filtered for 'big data' and '5G', and the year '2021' is applied. There are checkboxes for 'Journals (3)' and 'Early Access Articles (2)'. A 'Set Search Alerts' dialog box is open, showing a 'Search Alert Name\*' field with the value '2021 5G' and an 'Email Address' field with the value 'sylvia.cheng@hintoninfo.com'. There are 'Cancel' and 'Save' buttons in the dialog box. Below the search results, there is a section for 'Publications You May Be Interested In: (Beta)' with four recommended publications: 'IEEE Transactions on Big Data', 'IEEE International Conference on Cloud Computing and Big Data Analysis (ICCCBDA)', 'International Conference on Machine Learning, Big Data, Cloud and Parallel Computing', and 'International Conference on Big Data and Smart Computing (BIGCOMP)'. A 'Feedback' button is located in the bottom right corner.



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Chan Dai Truyen Thai; Jemin Lee; Jay  
Prakash; Tony Q. S. Quek

IEEE Transactions on Information Forensics  
and Security

17 May 2018

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IEEE Transactions on Wireless  
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選擇排序方式

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Abstract

分享

### A Coding Approach With Key-Channel Randomization for Physical-Layer Authentication

**AUTHOR(S)**  
Jinho Choi

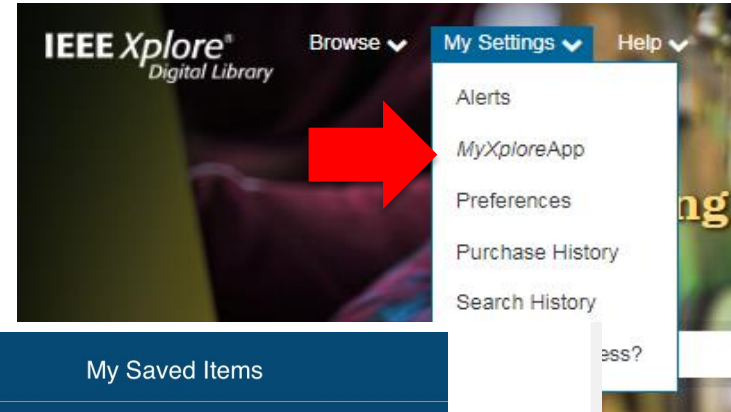
**JOURNAL/CONFERENCE**  
IEEE Transactions on Information Forensics and Security  
15 Jun 2018

**ABSTRACT**  
We propose a physical-layer challenge-response authentication approach in this paper based on combined shared secret key and channel state information between two legitimate nodes in an orthogonal frequency division multiplexing system. The proposed approach can be used even if the correlation of channel coefficients exists, which can be exploited to extract the shared secret key in conventional a...

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# Preference (検索偏好)

**Preferences** ?

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Search

**All Metadata** Full Text & Metadata Full Text Only ?

**Results Layout**

Title Only **Title & Citation** Title, Citation & Abstract

**Results Per Page** 25 **Sort By** Newest First

**Publisher**

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**On** Off

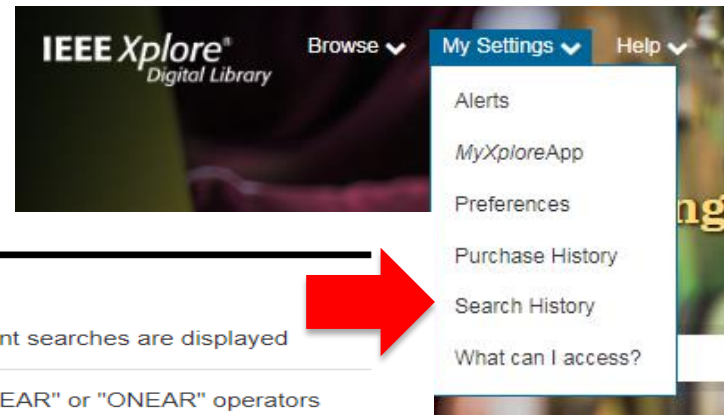
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# Search History

## ( 檢 索 紀 錄 )



My Settings > Search History

### Search History

Search History Recording

On

Off

Search History provides an authoritative record of your queries. You can:

- Run, modify, and combine previous searches
- Review refinements and other details of a previous search
- Store up to 50 searches

#### Tips

Only the 50 most recent searches are displayed

Searches including "NEAR" or "ONEAR" operators cannot be combined

50 Keyword limit for combined searches

7 Wildcard limit for combined searches

Search alerts are not available for combined searches

Select multiple searches to combine them together.

Search

Export

Print

Set #	Search Query	Details	Results   Date & Time	
<input type="checkbox"/> 2	National Taipei University of Technology	13033	Feb 4, 2021, 3:00:08 PM	
<input type="checkbox"/> 1	Artificial Intelligence	247778	Feb 4, 2021, 2:55:01 PM	

Feedback



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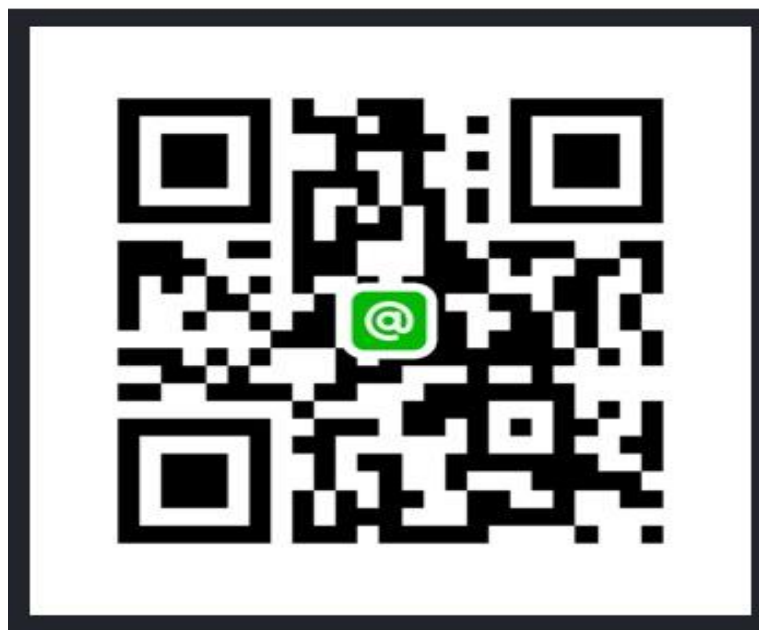


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導航系統： Navigation System	智慧控制 Intelligent Control	光纖網路： Optical Networks
社群網路分析： Social Network Analysis	流體力學： Fluid mechanics	綠色能源開發： Green-Energy Exploration
資料探勘： Data mining	半導體裝置： Semiconductor Devices	生物識別系統： Biometric Systems
智慧型遠端監控： Smart Remote Monitoring	無人飛機：UAV 衛星定位系統：GPS	雷達感測技術： Radar Sensing Technology
醫療科技輔具： Medical Assistive Tech	視訊處理： Video processing	衛星通訊 Satellite Communication

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人工智慧： Artificial intelligence	燃料電池：Fuel cell	光纖通訊 Fiber Optic Communication
嵌入式系統： Embedded System	智慧電網：Smart grid	有機發光二極體： OLED：Light-emitting diode
有機光電元件： OLED, Solar Cell	馬達驅動： Motor drive	軌道電力系統： Railway Power System
天線工程 Antenna Engineering	無線射頻辨識：RFID	光纖雷射 / 光纖感測： Fiber laser / Fiber Sensing
紅外線技術： Infrared Technology	紅外線技術： Infrared Technology	超大型積體電路：( VLSI ) Very-Large-Scale integration

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Contact us at [service@hintoninfo.com](mailto:service@hintoninfo.com)  
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# Questions?



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