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➤ 認識IEEE Xplore[®] Digital library

- 1) IEEE 學會介紹
- 2) 認識 IEEE Xplore 資料庫

➤ IEEE Xplore[®] 平台功能

- 1) 瀏覽功能
- 2) 檢索功能
- 3) 個人化設定



IEEE學會介紹



The **I**nstitute of **E**lectrical and **E**lectronics **E**ngineers

電機電子工程師學會

IEEE 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、標準、電子書及線上課程
- IEEE Xplore 資料庫涵蓋：
 - 收錄500萬+文獻內容
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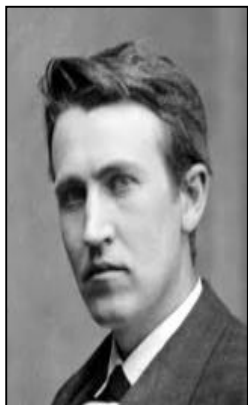


IEEE 能源領域學者 RazanGafbin 在薩爾瓦多從事淨水專案

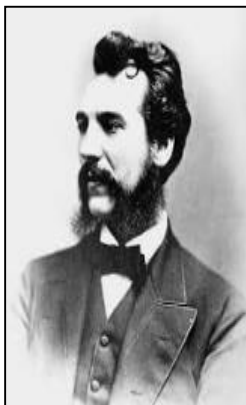


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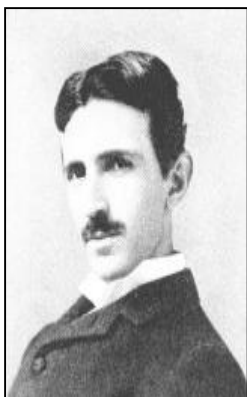
IEEE 的起源



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

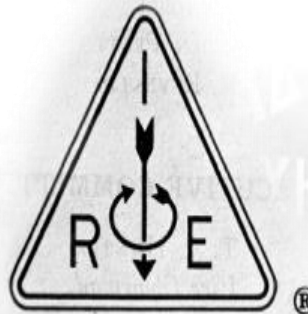


AIEE

American Institute
of Electrical Engineers

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

1912



IRE

Institute of Radio
Engineers

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

1963



Present

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

當今科技領域頂尖學者的卓越成就 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。

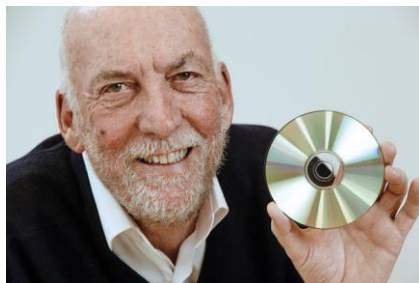


2017

Kees Schouhamer Immink

基斯·伊明克

開創了數字音頻，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

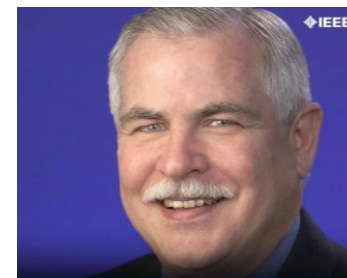


2019

Kurt E. Petersen

庫特·彼德森

美國國家工程院的成員。他主要因其在微機電系統上的工作而聞名。



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

39個專業分會

IEEE Societies

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
- Communication Systems
- Computer Software
- Electronics
- Energy
- Engineering
- Imaging
- Information Technology
- Medical Devices
- Nanotechnology
- Optics
- Petroleum & Gas
- Power Electronics
- Robotics & Automation
- Semiconductors
- Smart Grids
- Wireless Broadband and many more

出版電機電子工程和電腦領域

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- **The top 5** journals in **Automation and Control Systems**
- **8 of the top 10** journals in **Computer Science, Artificial Intelligence**
- **4 of the top 5** journals in **Computer Science, Hardware & Architecture**
- **The top 3** journals in **Computer Science, Cybernetics**
- **3 of the top 5** journals in **Computer Science, Information Systems**
- **2 of the top 5** journals in **Robotics**
- **3 of the top 5** journals in **Imaging Science and Photographic Technology**

Source: . Journal Citation (Clarivate Analytics, June 2021)

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

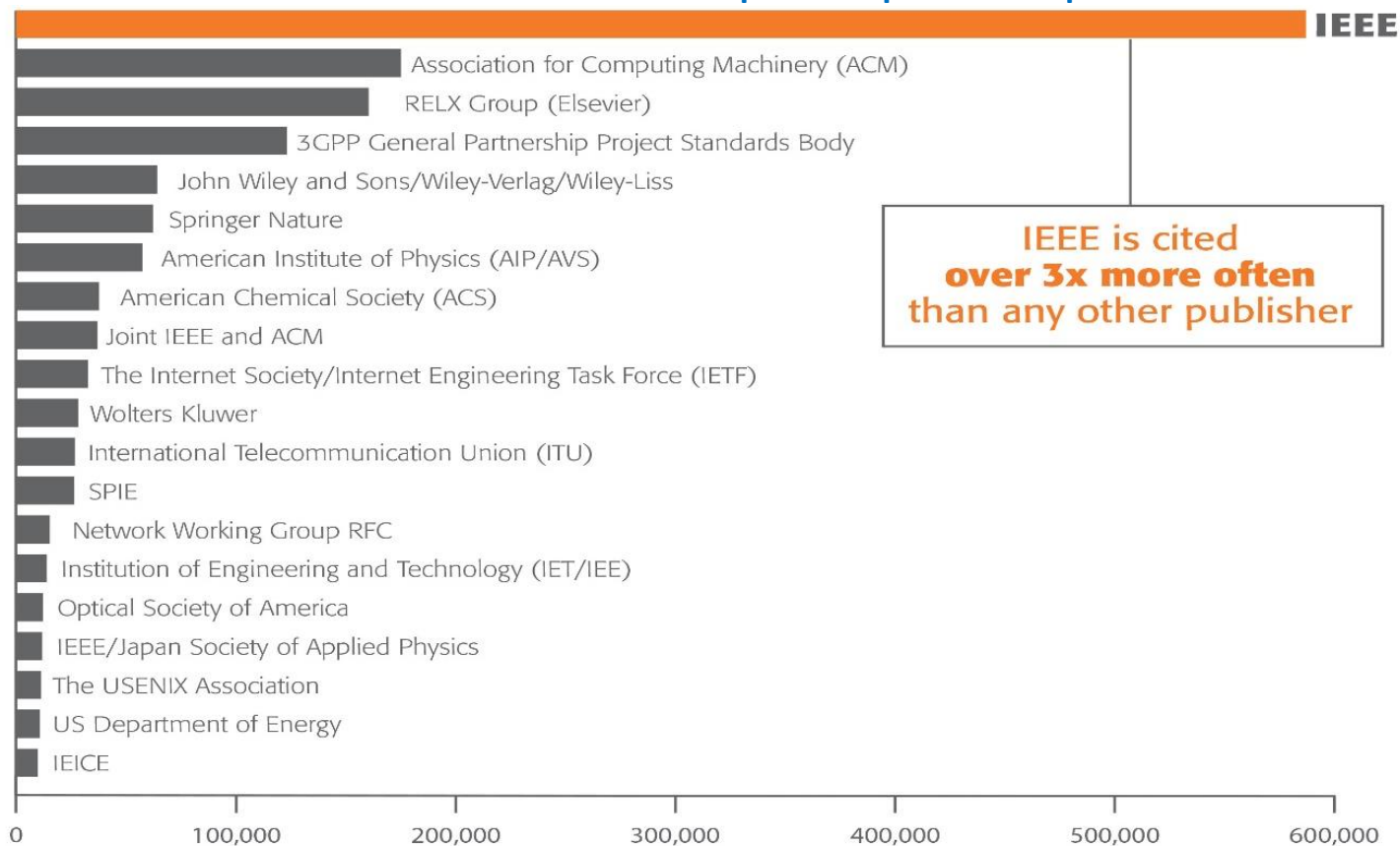


Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

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、自動駕駛汽車和物聯網 相關專利中位居主導地位

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



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IEL (IEEE Electrical Library)

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- 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。

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IET The Institution of
Engineering and Technology



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IEEE sponsors more than 1,600 annual conferences and events worldwide, curating cutting-edge content for all of the technical fields of interest within IEEE.



IEEE 標準制定



- IEEE 標準協會 IEEE-SA
- 標準制定內容包含試驗方法、符號、定義以及測試方法等領域。
- 常見標準：

IEEE 802.1—High Level Interface(Internetworking)

IEEE 802.1d—生成樹協議

IEEE 802.1p—General Registration Protocol

IEEE 802.1q—虛擬區域網 等等...





<https://ieeexplore.ieee.org>

瀏覽



檢索



個人化

首頁總覽(I) NEW

個人化功能

顯示學校英文名稱

個人化功能登入

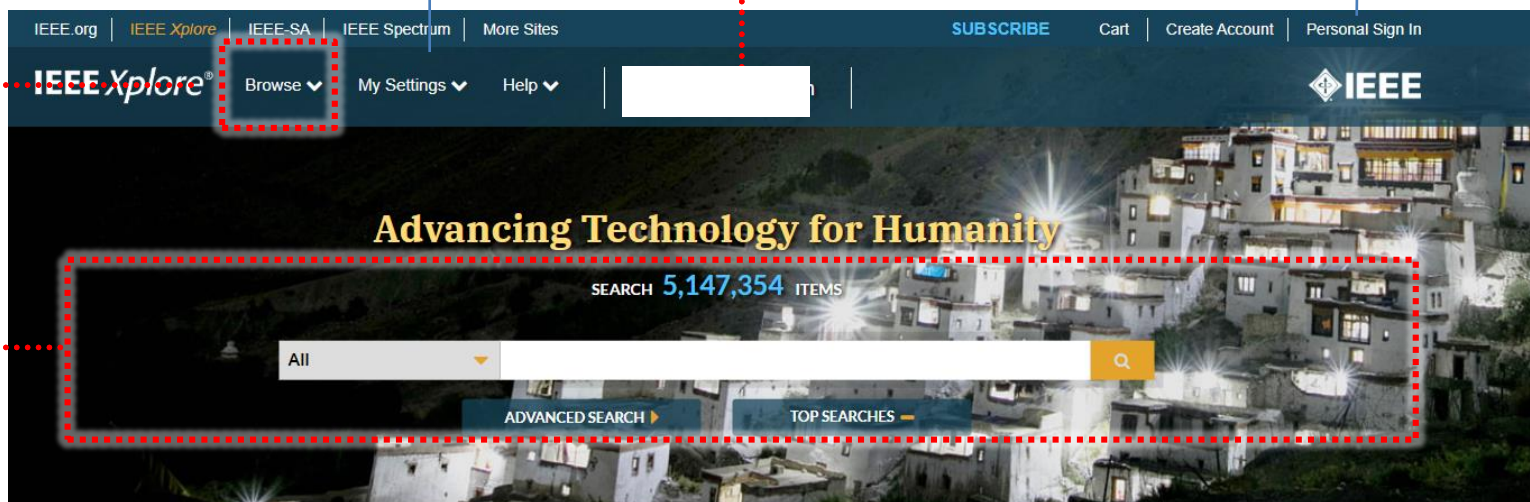
瀏覽功能:

- 依文獻類型

檢索工具列:

- 全文檢索
- 各類文獻檢索
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IEEE 即將舉辦之研討會

Upcoming Conferences

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

Feedback 用戶回饋 **NEW**

IEEE Xplore每個頁面右側
Feedback功能給予回饋

The screenshot displays the IEEE Xplore Digital Library website. At the top, navigation links include 'Browse', 'My Settings', 'Help', and 'Institutional'. The main banner features the text 'Advancing Technology' and 'Searches and'. Below the banner, there are three feedback options: 'Specific feedback' (I'd like to give feedback on a specific part of this page.), 'Generic feedback' (I'd like to give general feedback on the entire website.), and 'Need Help? Contact & Support'. The interface is powered by Usabilla. On the right side of the page, there is a vertical orange 'Feedback' button. A red dotted line points from the text above to this button. The bottom of the page shows a search result for 'Blockchain' with 3,393 results and 'Antenna' with 268,753 results.

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Digital Library

What do you think of this?

☹️ 😞 😐 😊 😄

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Specific feedback
I'd like to give feedback on a specific part of this page.

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I'd like to give general feedback on the entire website.

Need Help?
Contact & Support

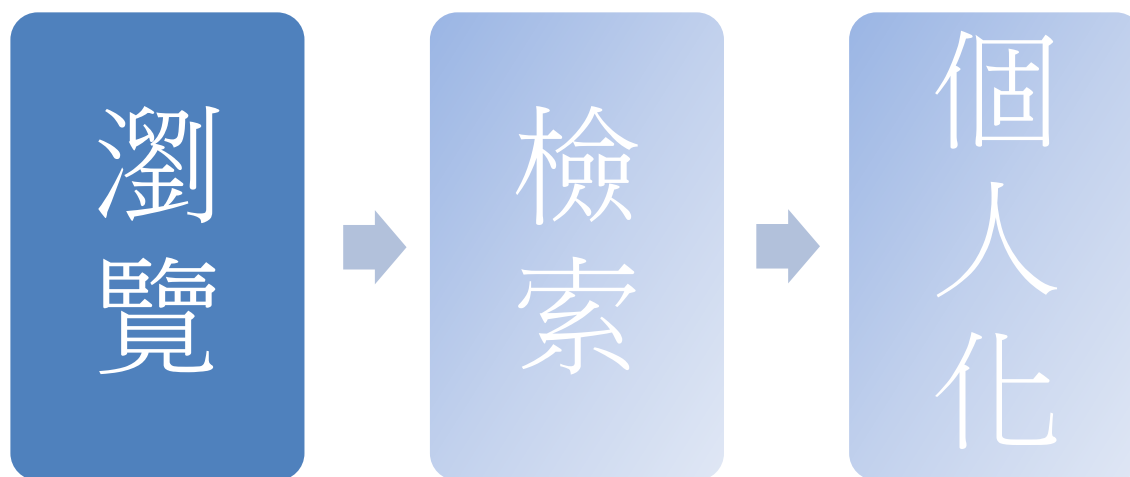
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Feedback

Blockchain
3,393

Antenna
268,753

IEEE Xplore[®]平台功能



瀏覽功能Browse



The screenshot shows the IEEE Xplore Digital Library interface. The 'Browse' menu is open, displaying a list of document types. A red callout box highlights the list of document types, which includes: a) 書籍 (Books), b) 會議論文 (Conference Papers), c) 線上課程 (Online Courses), d) 期刊雜誌 (Journals & Magazines), and e) 技術標準 (Standards). The background of the website shows a banner for 'What is the Fourth Industrial Revolution?' with an illustration of a city and industrial elements.

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Browse ▾ My Settings ▾

Books
Conferences
Courses
Journals & Magazines
Standards

依照文獻類別瀏覽

- a) 書籍
- b) 會議論文
- c) 線上課程
- d) 期刊雜誌
- e) 技術標準

What is the
Fourth Industrial Revolution?

IEEE

1. 期刊雜誌瀏覽

All Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid') **Q**

Advanced Search | Other Search Options

Browse Journals & Magazines **?**

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Search by keywords **Q** Sign Up for Alerts **Title List**

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

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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

期刊雜誌搜尋畫面

All Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid') 

Advanced Search | Other Search Options 

依主題領域查詢，共有16種科技領域主題

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

[IEEE Aerospace and Electronic Systems Magazine](#)

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期刊雜誌搜尋結果

Browse Journals & Magazines ?

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By Title

By Topic

Virtual Jour

Network



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Browse Titles ?

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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 To

1987 2019

Publisher

☐ IEEE (12)

☐ IET (1)

☐ OUP (1)

Topic

☐ Communication, Networking & Broadcasting (12)

☐ Computing & Processing (7)

☐ Components, Circuits, Devices &

EE 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

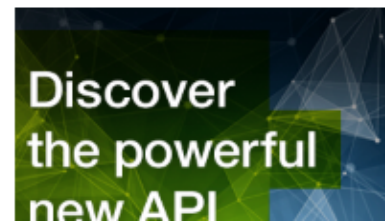
Publisher: OUP Years: 2013 - Present Most Recent Issue

EE Transactions on Control of Network Systems

Publisher: IEEE Years: 2014 - Present Most Recent Issue

Transactions on Green Communications and Networking

Publisher: IEEE Years: 2017 - Present Most Recent Issue



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主旨

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Publication Details

- [IEEE Network Magazine](#)

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☐ 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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期刊瀏覽-單篇文獻介紹

Journals & Magazines > IEEE Network > Volume: 32 Issue: 1

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

3 Author(s) He Li ; Kaoru Ota ; Mianxiong Dong View All Authors

33
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Citations

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文章標題

文章摘要

Abstract

Document Sections

1. Introduction
2. Related Work
3. Deep Learning for IoT in Edge Computing
4. Scheduling Problem and Solution
5. Performance Evaluation

Abstract:

Deep learning is a promising approach for extracting accurate information from raw sensor data from IoT devices deployed in complex environments. Because of its multilayer structure, deep learning is also appropriate for the edge computing environment. Therefore, in this article, we first introduce deep learning for IoTs into the edge computing environment. Since existing edge nodes have limited processing capability, we also design a novel offloading strategy to optimize the performance of IoT deep learning applications with edge computing. In the performance evaluation, we test the performance of executing multiple deep learning tasks in an edge computing environment with our strategy. The evaluation results show that our method outperforms other optimization solutions on deep learning for IoT.

Published in: IEEE Network (Volume: 32 , Issue: 1 , Jan.-Feb. 2018)

Page(s): 96 - 101

INSPEC Accession Number: 17524460

關聯文獻

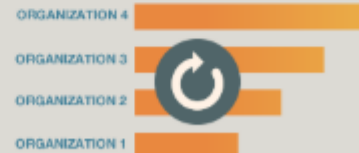
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2. Qualitative Relationship between QoE and QoS
3. The Exponential Relationship between QoE and QoS
4. Mapping of Weighted Session Time to Perceived Web Browsing Quality
5. Cancellation Rate of Web Browsing Users

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Keywords

Metrics

mechanisms that build on QoS monitoring.

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2008.

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2005.

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- 7 Relationship between Quality-of-service and Quality-of-Experience for Public Internet Service
- 8 Internet Low Bit Rate Codec (iLBC)
- 9 Testing the IQX Hypothesis for Exponential Interdependency between QoS and QoE for Voice Codecs iLBC and ...
- 10 Packet Reordering Metrics

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- 4 Mathematical Bottom-to-Up Approach in Video Quality Estimation Based on PHY and MAC Parameters
- 5 Novel AHP-based QoE factors' selection approach

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

3 Author(s) He Li ; Kaoru Ota ; Mianxiong Dong [View All Authors](#)

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2. Related Work
3. Deep Learning for IoT in Edge Computing
4. Scheduling Problem and Solution
5. Performance Evaluation

Abstract:

Deep learning is a promising approach for extracting sensor data from IoT devices deployed in complex environments. Because of its multilayer structure, deep learning is also appropriate for the edge computing environment. Therefore, in this article, we first introduce deep learning for IoTs into the edge computing environment. Since existing edge nodes have limited processing capability, we also design a novel offloading strategy to optimize the performance of IoT deep learning applications with edge computing. In the performance evaluation, we test the performance of executing multiple deep learning tasks in an edge computing environment with our strategy. The evaluation results show that our method outperforms other optimization solutions on deep learning for IoT.

Published in: IEEE Network (Volume: 32 , Issue: 1 , Jan.-Feb. 2018)

Page(s): 96 - 101

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1 - IEEE Standard General Principles for Temperature Limits in the Rating of Electric Equipment and for the Evaluation of Electrical Insulation
Publisher: IEEE

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1 - IEEE Standard General Principles for Temperature Limits in the Rating of Electric Equipment and for the Evaluation of Electrical Insulation

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Revision of **National Electrical Safety Code, C2-2012**

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Abstract:

This Code covers basic provisions for safeguarding of persons from hazards arising from (1) conductors and equipment in electric supply stations, and (2) overhead and underground lines. This Code includes work rules for the construction, maintenance, and operation of electric systems. This Code is applicable to the systems and equipment operated by utilities, or similar systems and equipment operated by complex under the control of qualified persons. This Code consists of the introduction and the following parts:

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The environmental performance criteria of the IEEE 1680 family of standards are intended to define a measure of environmental leadership in: the design and manufacture of ~~personal computer~~ **electronic** products ~~that are marketed to institutions~~; the delivery of specified services that are associated with the sale of the product ~~to institutions~~; and in associated corporate performance characteristics.

This family of standards is defined with the intention that the criteria are technically feasible to achieve, but that only products demonstrating the leading environmental performance currently available in the marketplace would meet them at the time of their adoption. As the environmental performance of products that are available in the marketplace improves, it is intended that the criteria will be updated and revised to set a higher performance standard for leadership products.

This standard is intended to serve as a baseline for further environmental standards for additional electronic products to be developed in the future. References to IEEE Std 1680 likewise reference, unless otherwise specified, the individual product standards in the IEEE 1680 family of standards.

1.3 Application


The environmental performance criteria are contained in the standards that are members of this IEEE 1680 family of standards. The principles and procedures identified in Clause 1 apply to ~~notebook personal computers, desktop personal computers, and personal computer monitors~~. ~~The principles and procedures identified in Clause 1, Clause 2, and Clause 3 apply to personal computer electronic~~ products and will apply to future standards developed for additional electronic products.

Different configurations of a product, as defined in the standards in this family, may include options for processors, memory, hard disks, etc. A product, for the purpose of this family of standards, is every configuration that could be offered in a specific marketing model and chassis type. If ~~there is a~~ specific configuration within a marketing model and chassis type that would change ~~configurations do not meet~~ the environmental performance substantially, especially if that configuration would no longer meet a criterion criteria as declared, then the manufacturer could not claim conformance to this Standard for that configuration, even if the same model in other configurations did conform to this Standard. The manufacturer shall clearly report such special to the Product Registration Entity which configurations ~~that do not conform to meet the Standard to the Product Registration Entity~~ criteria as declared.

A product includes ~~a desktop computer, a notebook computer or monitor, an electronic product~~ and all the peripherals that are integral to its operation. For example, the desktop computer together with the keyboard, the mouse, and the power cord would be a product.

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☐ **The Case for VM-Based Cloudlets in Mobile Computing** 

Mahadev Satyanarayanan ; Paramvir Bahl ; Ramon Caceres ; Nigel Davies


IEEE Pervasive Computing

Year: 2009 , Volume: 8 , Issue: 4

Page s: 14 - 23

Cited by: Papers (1385) | Patents (16)

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Cloud Computing for Mobile Users: Can Offloading Computation Save Energy?

2 Author(s)

Karthik Kumar ; Yung-Hsiang Lu [View All Authors](#)720
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Document Sections

1. Saving Energy for Mobile Systems
2. Challenges and Possible Solutions

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Abstract:

The cloud heralds a new era of computing where application services are provided through the Internet. Cloud computing can enhance the computing capability of mobile systems, but is it the ultimate solution for extending such systems' battery lifetimes?

Published in: [Computer](#) (Volume: 43 , Issue: 4 , April 2010)

Page(s): 51 - 56

INSPEC Accession Number: 11228200

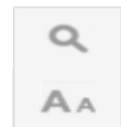
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DOI: [10.1109/MC.2010.98](#)

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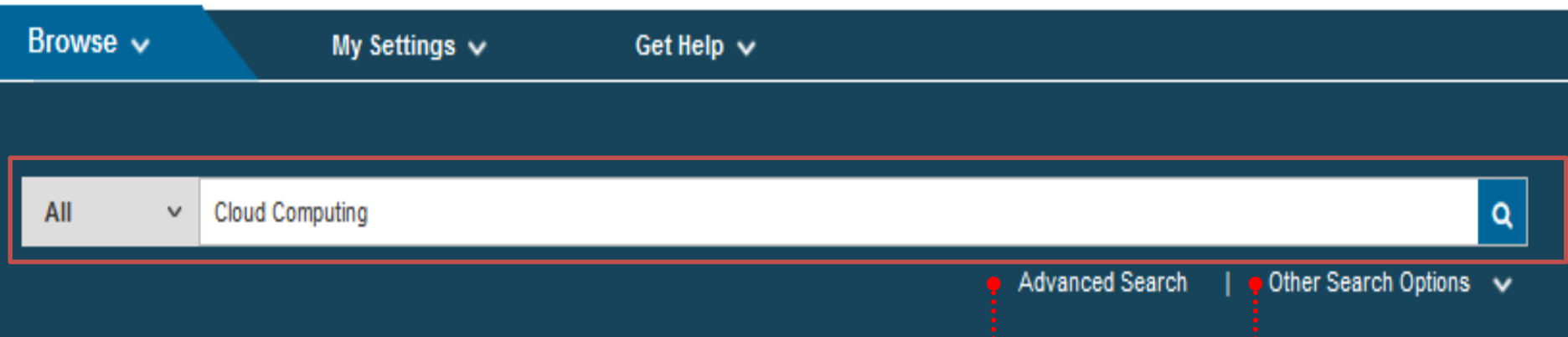
Walid Saad; Mehdi Bennis; Mingzhe Chen
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使用引號:"cloud computing"

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
Tessema Mengistu ; Abdulrahman Alahmadi ; Abdullah Albuali ; Yousef Alsenani ; Dunren Che
2017 IEEE 10th International Conference on Cloud Computing (CLOUD)

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- ☐ Standards (4)

☐ **IEEE Standard for a High-Performance Serial Bus**
IEEE Std 1394-2008 (Revision of IEEE Std 1394-2004)
Year: 2008
Pages: 1 - 1074
Cited by: **Patents (484)**
IEEE Standards
▶ Abstract (16426 Kb) ©

☐ **Personal Cloud Computing Security Framework**
Sang-Ho Na; Jun-Young Park; Eui-Nam Huh
2010 IEEE Asia-Pacific Services Computing Conference
Year: 2010
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Author(s)

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1. Walker, James

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1. Walker, James, "20"

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2. Barton, Gary; Lang, Zhongmin; Desai, Nitin; Walker, James Robert, "20"

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3. Qureshi, Waheed; McGinty, John M.; Andre, Olivier; Abdullah, Shafaq, "Controlling mobile device access to enterprise resources"

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4. Barton, Gary; Lang, Zhongmin; Desai, Nitin; Walker, James Robert, "Providing virtualized private network tunnels"

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Walker, James Robert; Desai, Nitin; Lang, Zhongmin, "Policy based application

► Patent No. 9521147 View at Patent Office Full Text: PDF

6. Borzycki, Andrew; Deva, Mallikharjuna Reddy; Bissett, Nick; Roychoudhry, Anil; Duursma, Martin, "Automated meeting room"

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7. Barton, Gary; Lang, Zhongmin; Desai, Nitin; Walker, James, "Conjuring and providing profiles that manage execution of mobile applications"

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Inventors:

Walker, James

Abstract:

Systems, methods, and computer-readable media for wrapping an application with field-programmable business logic to load application code of a mobile application. Subsequently, the computing device may modify the application code to wrap the application with an application wrapper that is configured to manage execution of the application based on one or more policy files and configured to intercept one or more functions of the application code, where the one or more policy files each define one or more access controls that are enforced by a device management system on one or more user devices. Subsequently, the computing device may create a library file comprising field-programmable business logic defining implementation code linked to one or more of the functions intercepted by the wrapper. The computing device may then provide the wrapped application and the library file to at least one user device.

United States Patent

Walker

field-programmable business logic

Wrapping an application with field-programmable business logic

application and the library

Assignee:

CITRIX SYSTEMS INC

Filing Date:

27 March 2015

Grant Date:

28 March 2017

Wrapping an application with field-programmable business logic

Abstract

Systems, methods, and computer-readable media for wrapping an application with field-programmable business logic are presented. In some embodiments, a computing device may load application code of a mobile application. Subsequently, the computing device may modify the application code to wrap the application with an application wrapper that is configured to manage execution of the application based on one or more policy files and configured to intercept one or more functions of the application code, where the one or more policy files each define one or more access controls that are enforced by a device management system on one or more user devices. Subsequently, the computing device may create a library file comprising field-programmable business logic defining implementation code linked to one or more of the functions intercepted by the wrapper. The computing device may then provide the wrapped application and the library file to at least one user device.

Systems, methods, and computer-readable media for wrapping a mobile application. Subsequently, the computing device may modify the application code to wrap the application with an application wrapper that is configured to manage execution of the application based on one or more policy files and configured to intercept one or more functions of the application code, where the one or more policy files each define one or more access controls that are enforced by a device management system on one or more user devices. Subsequently, the computing device may create a library file comprising field-programmable business logic defining implementation code linked to one or more of the functions intercepted by the wrapper. The computing device may then provide the wrapped application and the library file to at least one user device.

US9606774B2

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Legal status: Active

Application number: US14671351

Other versions: US20160283198A1 (Application)

Inventor: James Walker

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- OUP(79,074)
- MITP(26,937)
- BIAI(3,366)
- TUP(2,758)
- URSI(1,150)
- Morgan & Claypool(96,000)

CONTENT TYPES

- ☐ Conferences (3,372,094)
- ☐ Journals & Magazines (1,359,801)
- ☐ Books (43,812)
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- ☐ Courses (487)

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Note: Use the drop down lists to generate the correct Operator and Data Field Codes.
This wizard will NOT build your expression. [View examples of how to write a boolean search string](#)

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Data Fields

Operators

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OR

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Document Title

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The screenshot shows the IEEE Xplore website interface. At the top, there's a navigation bar with 'IEEE Xplore®', 'Browse', 'My Settings', 'Help', and 'Institutional Sign In'. Below this is a search bar with a dropdown menu set to 'All' and a search button. A checkbox for 'Search within Publication' and a link to 'ADVANCED SEARCH' are also visible. The main content area features a 'Browse Journals & Magazines > IEEE Network' breadcrumb. The 'IEEE Network' section has a navigation bar with 'Home', 'Popular', 'Early Access', 'Current Issue', 'All Issues', and 'About Journal'. In the center, there are four metrics: '10.693 Impact Factor', '0.01189 Eigenfactor', '2.208 Article Influence Score', and '14.7 CiteScore (Powered by Scopus)'. To the right of these metrics, the 'Add Title To My Alerts' button is circled in red. Other buttons include 'Submit Manuscript', 'Add to My Favorites', and an RSS feed icon. The IEEE ComSoc logo is also present. A blue banner on the right side of the page reads 'Need Full-Text access to IEEE Xplore for your organization?'.

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Publisher



☐ IEEE Transactions on Aerospace and Electron

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檢索條件通知(Saved Searches)

The screenshot shows the IEEE Xplore search results page for the query 'iot'. The interface includes a search bar at the top with 'Journals & Magazines' selected and 'iot' entered. Below the search bar, there are options for 'Advanced Search' and 'Other Search Options'. The search results are displayed as a list of items, with the first item being 'Experimental Characterization of Mobile IoT Application Latency'. The results are filtered by 'Journals & Magazines', 'Early Access Articles', and '2017-2018'. A red box highlights the 'Set Search Alerts' link in the top right corner. Another red box highlights the 'Filters Applied' section, which shows 'Journals & Magazines', 'Early Access Articles', and '2017-2018'. A third red box highlights the 'Set Alert' dialog box, which has a 'Search Alert Name*' field and an 'Email Address' field (sharon.hsu@hintoninfo.com). A fourth red box highlights the 'Save' button in the dialog. Annotations in Chinese point to these elements: '檢索條件' (Search Conditions) points to the filters; '設定檢索條件名稱' (Set Search Condition Name) points to the 'Search Alert Name*' field; and '點選檢索條件通知' (Click to set search condition notification) points to the 'Set Search Alerts' link. The 'Full-Text' section on the right shows 'access to IEEE Xplore for your organization?' and a 'REQUEST A FREE TRIAL' button. The 'IEEE RFIC' logo is also visible.

Journals & Magazines v iot

Advanced Search | Other Search Options v

Search within results

Show: All Results | Per Page: 25 | Export | **Set Search Alerts** | Search History

Displaying results 1-25 of 40 for **iot** x **mobile** x **phone** x

▼ Filters Applied: Journals & Magazines x Early Access Articles x 2017-2018 x

Conferences (219) Courses (3) Books (2)

Year

Single Year Range

2017 2018

From To

2017 2018

Author

Select All on Page

Experimental Characterization of Mobile IoT Application Latency

Carlos Pereira ; António Pinto ; Duarte Ferreira ; Ana Aguiar

IEEE Internet of Things Journal

Year: 2017, Volume: 4, Issue: 4

Pages: 1082 - 1094

Cited by: Papers (1)

IEEE Journals & Magazines

▼ Abstract (html) PDF (1357 Kb) ©

The Internet of Things (IoT) emerges as a myriad of devices and services that interact to build complex distributed applications. Interoperability and standardization are imperative for the

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iot mobile

Search Query:
iotmobile::Content Type[Journals & Magazines,Early Access Articles]:

23 NEW RESULTS

View Results (https://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=mobile&contentType=periodicals&refinements=ContentType%3AJournals+.AND.+Magazines&refinements=ContentType%3AEarly+Access+Articles&sortType=&searchField=Search_All&queryText=iot&ranges=20180808_20180822_Search%20Latest%20Date&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT)

A Dynamic Edge Caching Framework for Mobile 5G Networks

<https://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=8443597&contentType=Early+Access+Articles&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT>

Posted Online: 08/22/2018

Author(s): Dinh Thai Hoang; Dusit Niyato; Diep N. Nguyen; Eryk Dutkiewicz; Ping Wang; Zhu Han

Published In: IEEE Wireless Communications

Multi-Access Mobile Edge Computing for Heterogeneous IoT

<https://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=8436038&contentType=Journals+%26+Magazines&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT>

Posted Online: 08/14/2018

Author(s): Yan Zhang; Yuan Wu; Hassnaa Moustafa; Danny H. K. Tsang; Alberto Leon-Garcia; Usman Javaid

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Switch-Type Modulators and PAs for Efficient Transmitters in the 5G Wireless Infrastructure

Publisher: [IEEE](#)[Cite This](#) [PDF](#)[Nikolai Wolff](#); [Serguei Chevtchenko](#); [Andreas Wentzel](#); [Olof Bengtsson](#); [Wolfgang Heinrich](#) [All Authors](#)**2**
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Abstract

Document Sections

- I. Introduction
- II. Broadband Envelope Tracking at 2 GHz
- III. Extrapolation to the 5G Case at 20...30 GHz
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Abstract:

This paper discusses envelope-tracking solutions for broadband mm-wave transmitters as required for 5G applications. The unique feature is to use switch-type circuits based on GaN devices in the modulators. Starting from state-of-the-art results in the 2 GHz band, the potential of advanced solutions for 30 GHz transmitters with bandwidths beyond 1 GHz is discussed. Both discrete-level class-G and class-S modulators are considered.

Published in: [2018 IEEE MTT-S International Microwave Workshop Series on 5G Hardware and System Technologies \(IMWS-5G\)](#)**Date of Conference:** 30-31 Aug. 2018**Date Added to IEEE Xplore:** 08 October 2018**► ISBN Information:****INSPEC Accession Number:** 18149249**DOI:** [10.1109/IMWS-5G.2018.8484690](#)**Publisher:** [IEEE](#)**Conference Location:** Dublin, Ireland

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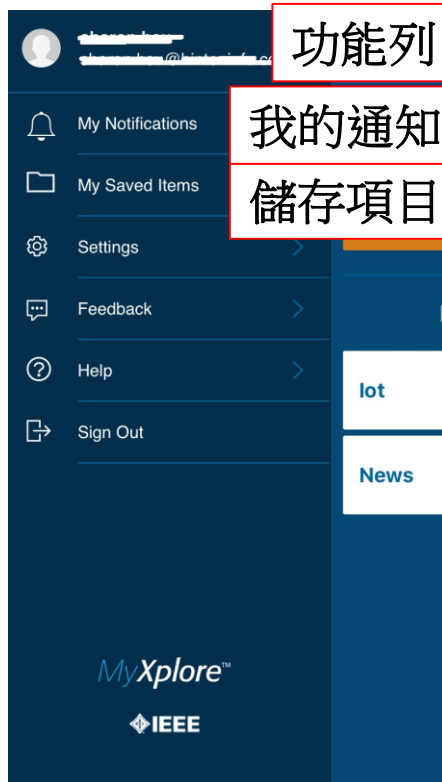
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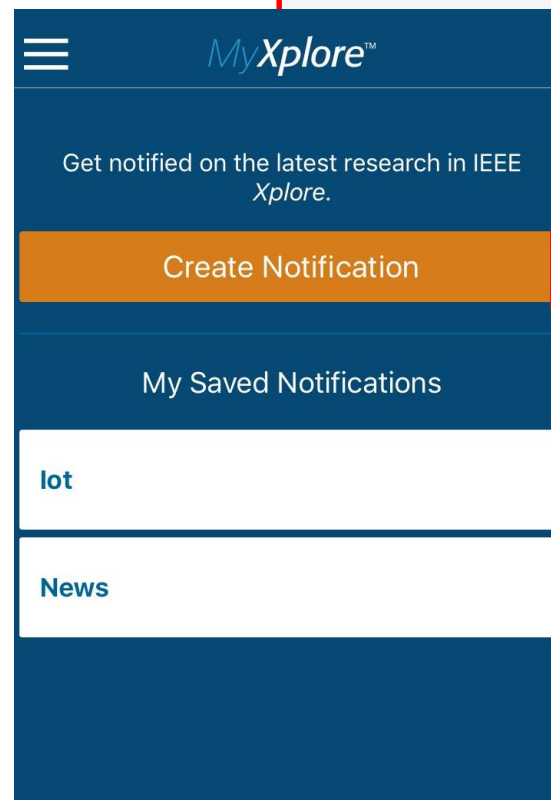
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<input type="checkbox"/> 34	National Chung Hsing University	1584 Metadata Sep. 21, 2017 18:18 UTC
<input type="checkbox"/> 33	fast steerable principal component analysis	12 Metadata Apr. 27, 2017 14:02 UTC
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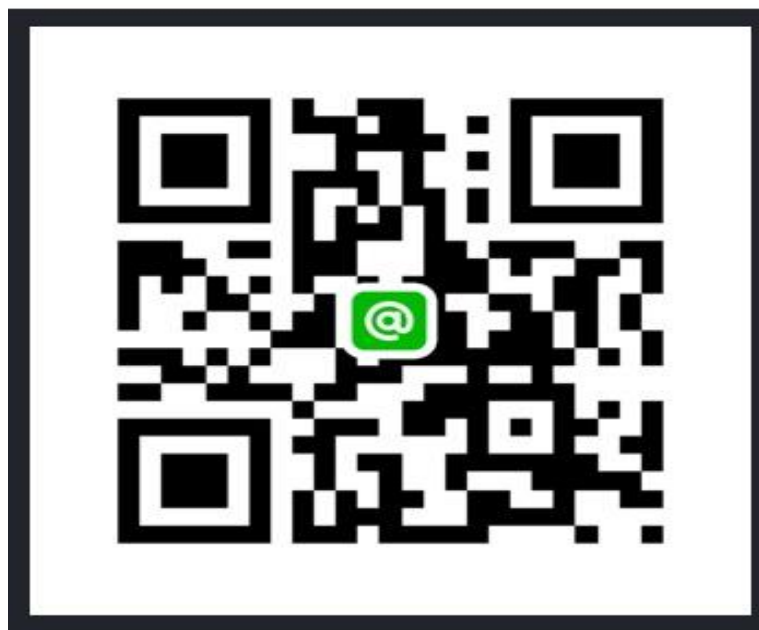
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