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109年9月22日



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# IEEE學會介紹









# The Institute of Electrical and Electronics Engineers

電機電子工程師學會







# IEEE 會員為科技領域頂尖學者

#### **IEEE Medal of Honor Recipients**



2016

G. David Forney, Jr. Influenced virtually every major advance in the field of coding theory

2017

Kees Schouhamer Immink

Provided the foundation for all generations of optical storage media from CDs to Blu Ray discs

2018

Bradford W. Parkinson

Played a pivotal role in developing GPS

2019

Kurt E. Petersen

Contributions to and leadership in the development and commercialization of innovative technologies in the field of MEMS.











### IEEE 運作方式

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43萬人









- IEEE Aerospace and Electronic Systems Society
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39個專業分會

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  - faty Engineering Society

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# **IEEE Societies**

- TEEE Systems, Man, and Cypernetics Society
- **IEEE Technology and Engineering Management** Society
- IEEE Ultrasonics, Ferroelectrics, and Frequency **Control Society**
- **IEEE Vehicular Technology Society**







### **■EEE** 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

- Information Technology
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Power Electronics

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Source: 2019 Journal Citation Reports study, released in June 2020

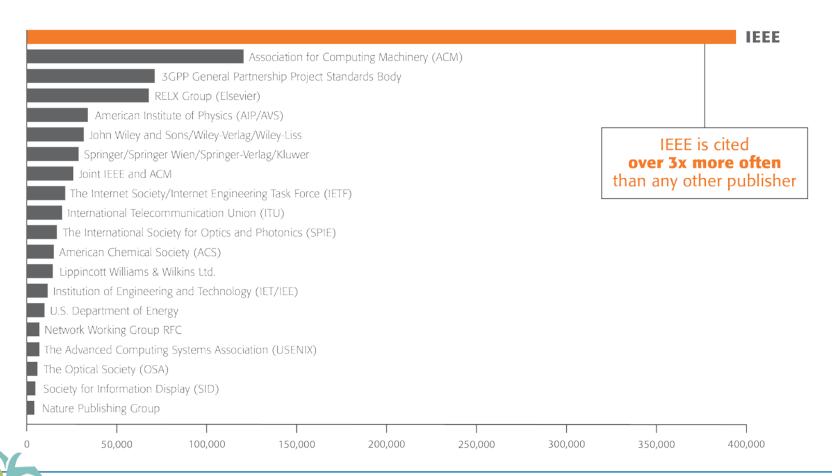
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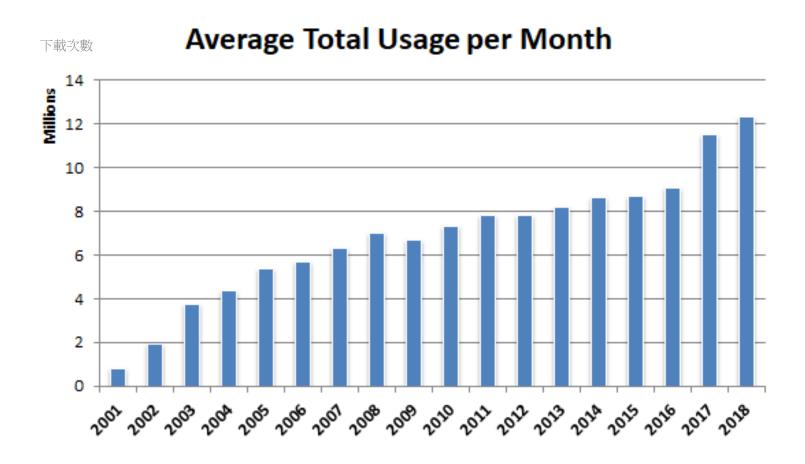






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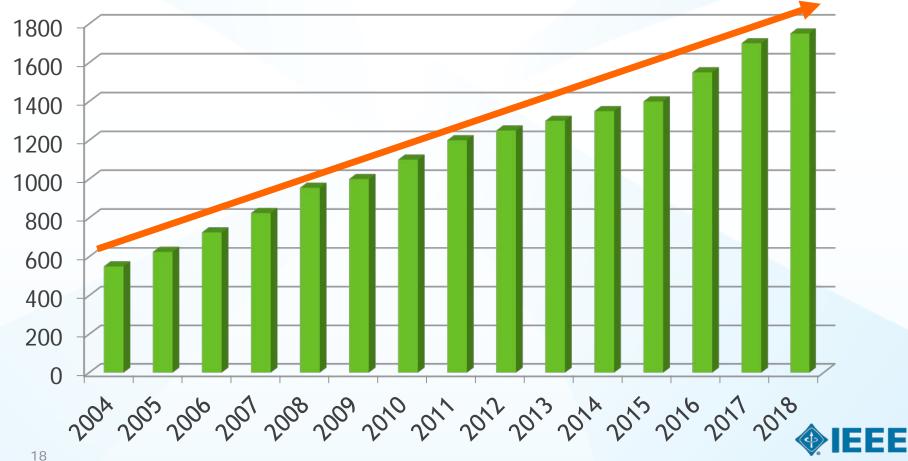




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- ➤ IEEE現有42個主持標準化工作的專業學會及委員會
- 標準制定內容包含試驗方法、符號、定義以及測試方法等領域。
- ▶ 熱門標準:

IEEE Std 802.1Q 2018— Local and Metropolitan Area



IEEE Std 1584-2018—Guide for Performing Arc-Flash Hazard Calculations

IEEE Std 802.3-2018—IEEE Standard for Ethernet

IEEE Std 2030.5-2018—IEEE Standard for Smart Energy Profile Application

**Protocol** 





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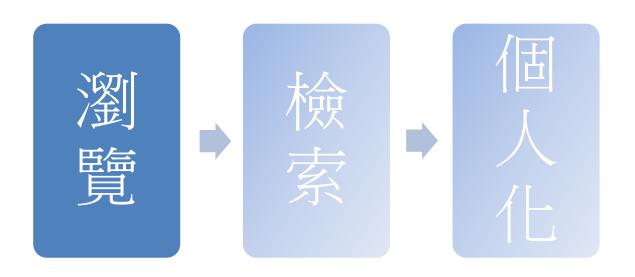
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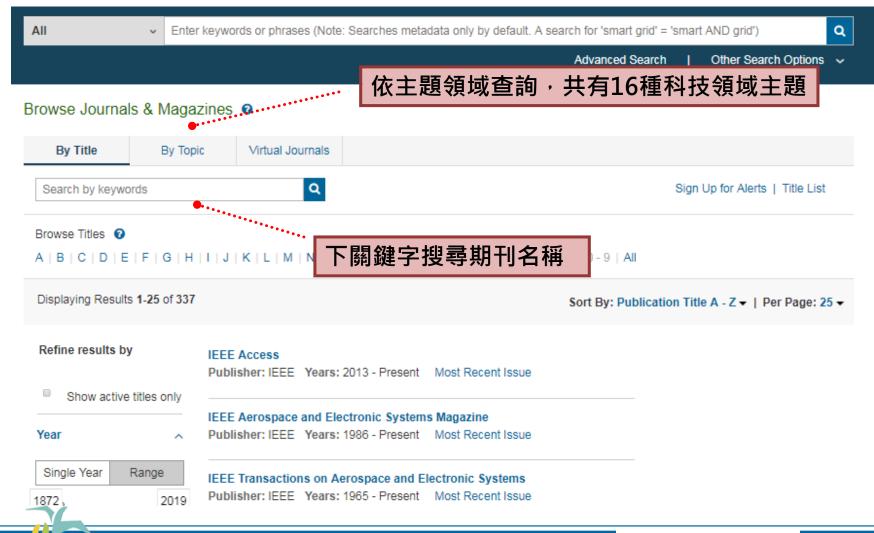
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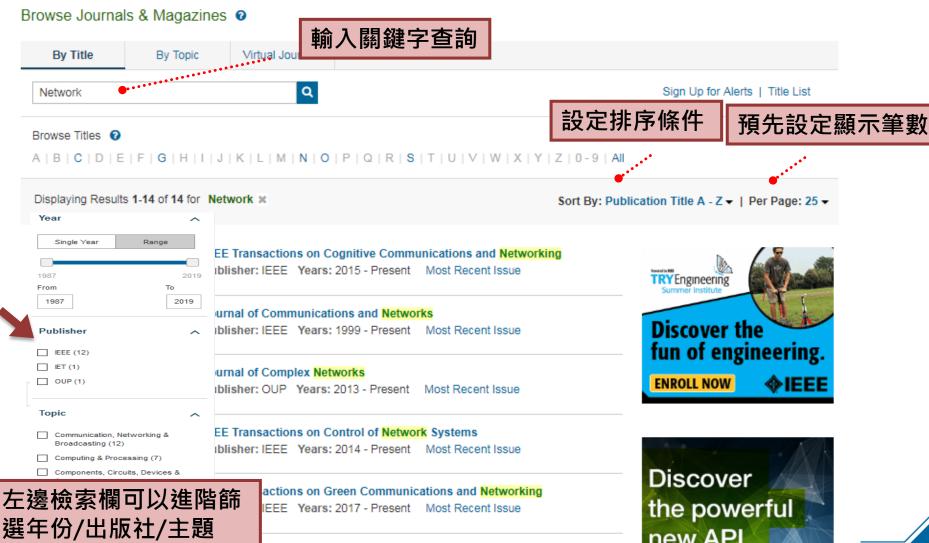


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#### **Publication Details**

IEEE Network Magazine

Frequency: 6

Aims & Scope



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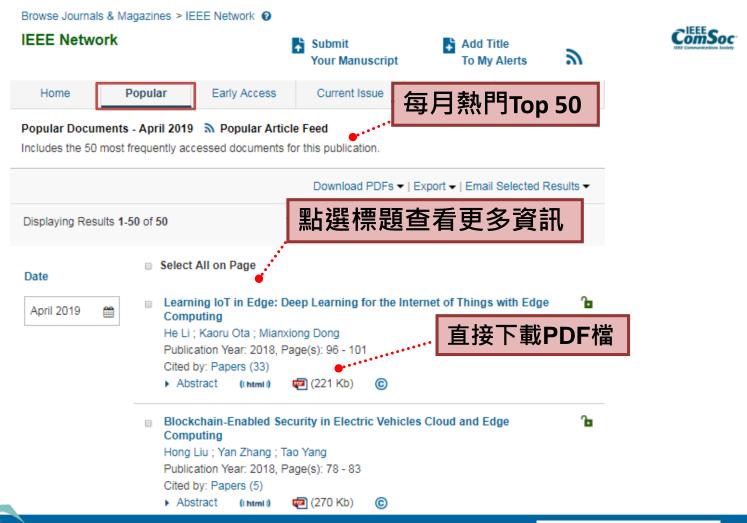
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### 期刊瀏覽-熱門文獻







### 期刊瀏覽-單篇文獻介紹

Journals & Magazines > IEEE Network > Volume: 32 Issue: 1 0

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

文章標題

33 Paper Citations 10510 Full Text Views

文章摘要













#### .

#### Abstract

Document Sections

- Introduction
- 2. Related Work
- Deep Learning for IoT in Edge Computing
- Scheduling Problem and Solution
- 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

#### More Like This

Internet of Things and Edge Cloud Computing Roadmap for Manufacturing

IEEE Cloud Computing

Published: 2016

Internet of Things Monitoring System of Modern Eco-Agriculture Based on Cloud Computing

IEEE Access Published: 2019

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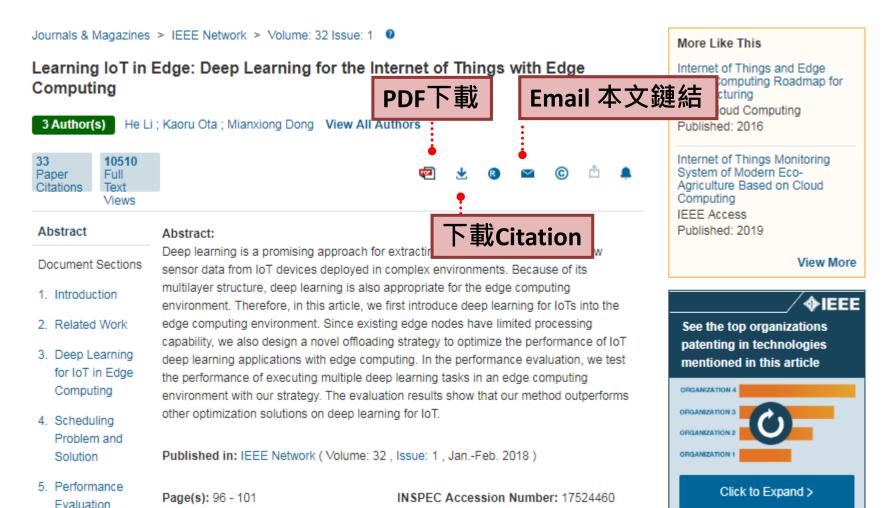


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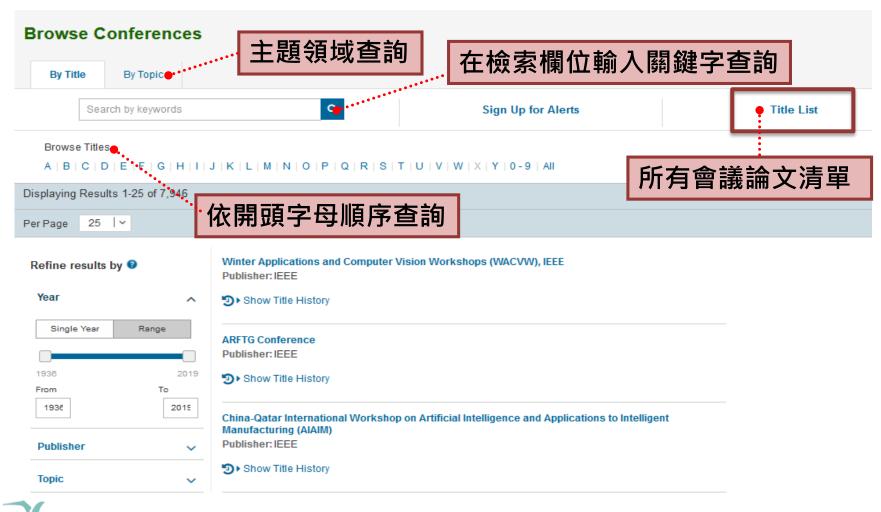
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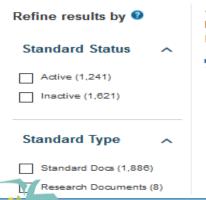






# 利用左邊檢索欄位篩選標準的狀態/類型/主題

CINISITIYIAII



1 - IEEE Standa Electric Equipa Publisher: IEE

Active
Approved
1-2000
Limits ii
Insulatio

Inactive Supersed

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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Active

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Approved

1-2000 - IEEE Recommended Practice - General Principles for Temperature Limits in the Rating of Electrical Equipment and for the Evaluation of Electrical Insulation

» Revision of ANSI/IEEE Std 1-1986

Inactive



Superseded

1-1986 - IEEE Standard General Principles for Temperature Limits in the Rating of Electric Equipment and for the Evaluation of Electrical Insulation

- » Superseded by IEEE Std 1-2000
- » Revision of ANSI/IEEE Std 1-1986

#### Superseded

1-1969 - IEEE General Priniciples for Temperature Limits in the Rating of Electric Equipment

» Superseded by ANSI/IEEE Std 1-1986

### Superseded

1-1962 - AIEE General Principles Upon Which Temperature Limits Are Based in the rating of Electric Equipment













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# HTML 全文瀏覽(A)

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## HTML 全文瀏覽(B)

## Abstract文摘頁面

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

2 Author(s)

Karthik Kumar; Yung-Hsiang Lu View All Authors

720 Paper Patent

12157 Text Views

### 快速掌握全文關鍵















### Abstract

Document Sections

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

Authors

Figures

References

Citations

Keywords

Metrics

### 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

Date of Publication: 08 April 2010 

O

► ISSN Information:

INSPEC Accession Number: 11228200

DOI: 10.1109/MC.2010.98

Publisher: IEEE

## 利用左方列表跳轉至作者、圖像公式、引 用/被引用文獻等資訊







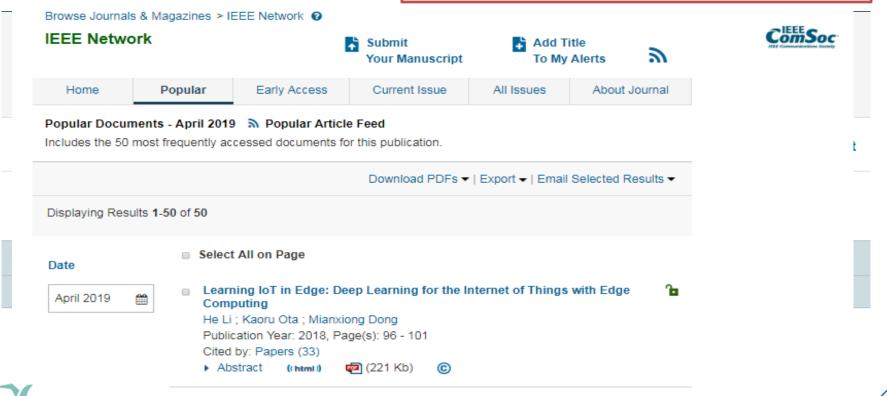




## 瀏覽操作練習

利用瀏覽功能 找出IEEE出版期刊 "IEEE Network" 近期熱門文獻的標題為何?

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



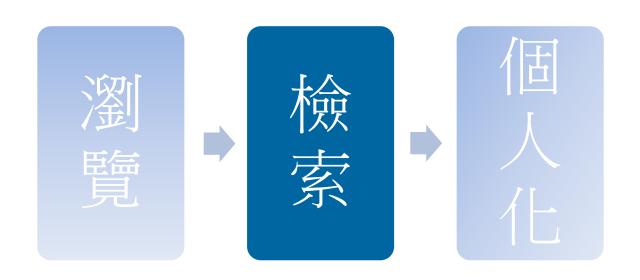








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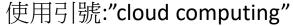
未使用引號:cloud computing

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

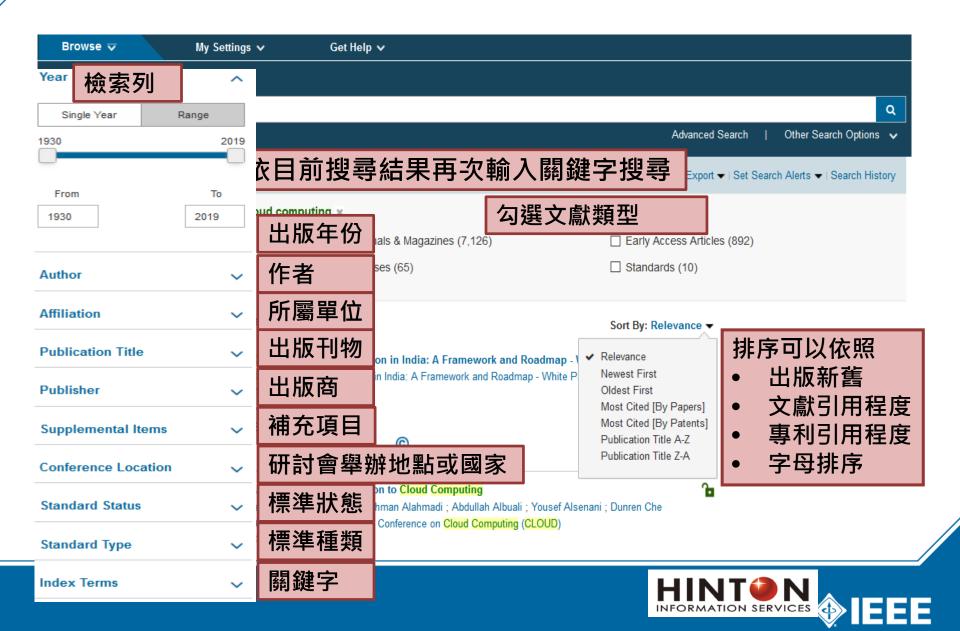
Tessema Mengistu ; Abdulrahman Alahmadi ; Abdullah Albuali ; Yousef Alsenani ; Dunren Che 2017 IEEE 10th International Conference on Cloud Computing (CLOUD)







### Basic Search 基本檢索



## 多重檢索範圍總結

### 更加精確的搜索及利用更多選項來擴大結果

作者

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Rajkumar Buyya (152)		University of Western Sydney (60)		IEEE Access (769)		UP (200)	
Hai Jin (143)		School of Computer Engineering, Nanyang Technological University,		IEEE Cloud Computing (584)		Wiley (72)	
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## 多重檢索範圍總結

### 更加精確的搜索及利用更多選項來擴大結果

#### 研討會舉辦地點 補充項目 標準狀態 關鍵字 Conference Location Supplemental Items **Index Terms** Standard Status Media (432) Active (5) Enter Location Enter Terms Code (2) Inactive (4) cloud computing (34,565) Beijing (1,327) Datasets (1) San Francisco, CA (1,218) resource allocation (5,691) Shanghai (822) mobile computing (4,813) 標準種類 New York, NY (796) virtual machines (4,520) Chengdu (792) security of data (3,852) View more... Standard Type Standard Docs (6)

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## 作者檢索與分析

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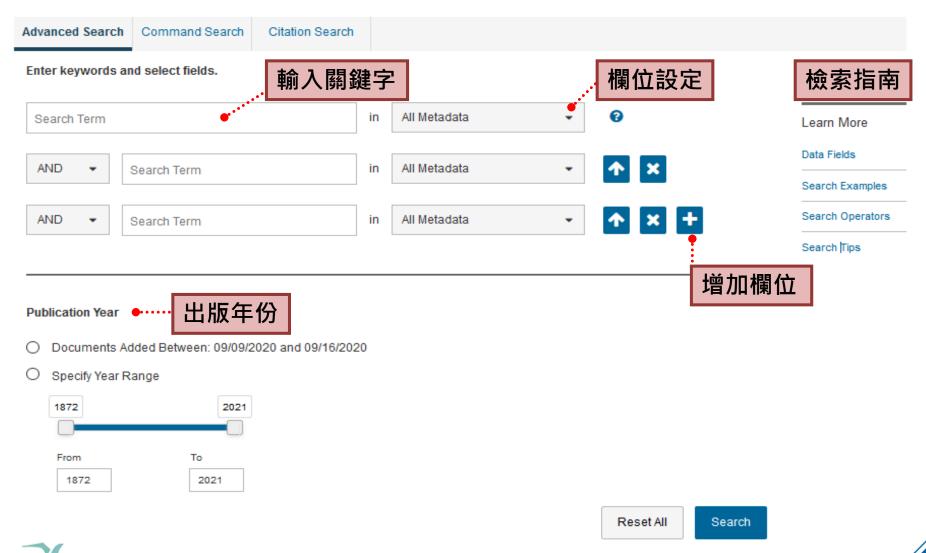
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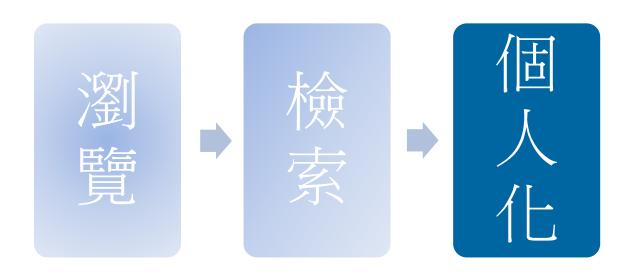
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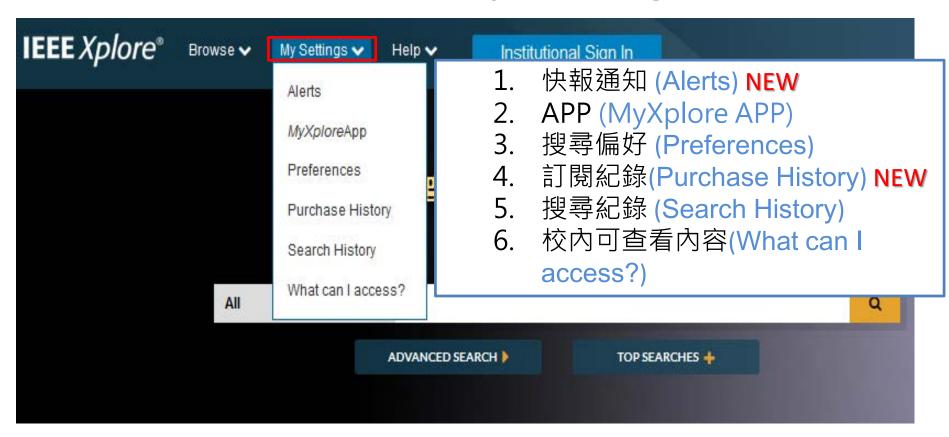








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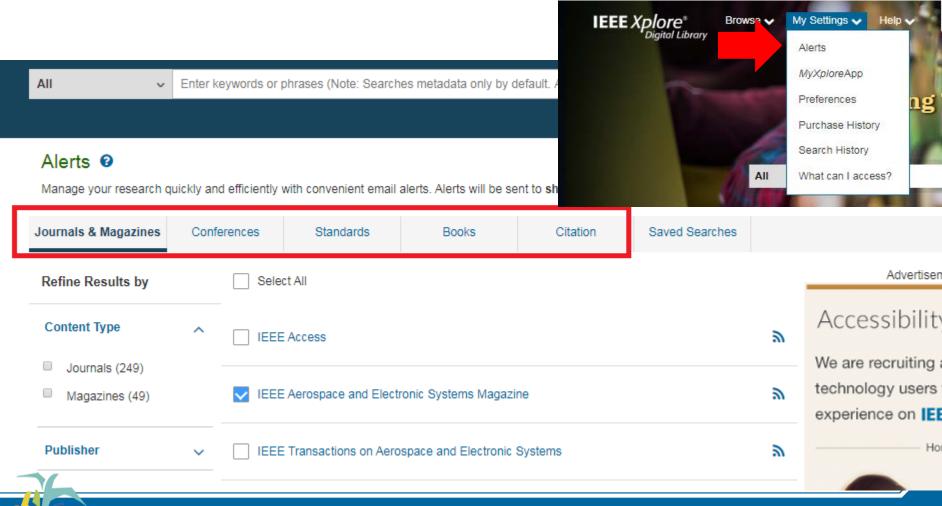


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			Create Account		



# Alert I.新知快報(Content Alert)











# Journal Alert

Browse Journals & Magazines > IEEE Aerospace and Electronic ... ?

### IEEE Aerospace and Electronic Systems Magazine







Home

Popular

Current Issue

All Issues

About Journal

2.113 Impact Factor 0.00162 Eigenfactor **0.448**Article Influence
Score



IEEE Aerospace and Electronic Systems Magazine is a monthly magazine that publishes articles concerned with the various aspects of systems for space, air, ocean, or ground environments as well as news and information of interest to IEEE Aerospace and Electronic Systems Society members.

The articles in this journal are peer reviewed in accordance with the requirements set forth in the IEEE PSPB Operations Manual (sections 8.2.1.C & 8.2.2.A). Each published article was reviewed by a minimum of two independent reviewers using a single-blind peer review process, where the identities of the reviewers are not known to the authors, but the reviewers know the identities of the authors. Articles will be screened for plagiarism before acceptance.







# Alerts II.檢索條件通知 (Saved Searches)



23 new results for 'iot mobile' Inbox x



IEEE Xplore Search Alerts <no-reply@ieee.org>

to me 🔻

IEEE Xplore Search Alerts

Saved Search Name: iot mobile

發送檢索條件下最新文章的 通知至e-mail

Alerts

MyXplore App

Preferences:

Purchase History

Search History

What can I access?

Search Query:

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

#### 23 NEW RESULTS

View Results (https://ieeexplore.ieee.org/search/search/search/search/Within=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

Published In: IEEE Communications Magazine

" Content Type[Journals & Magazines] "

car with jot

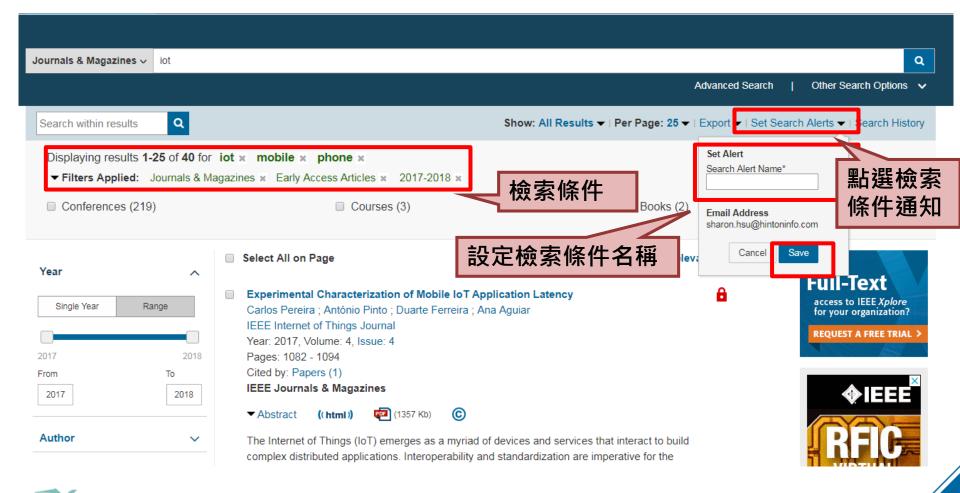
You Searched For







### 檢索條件通知(Saved Searches)

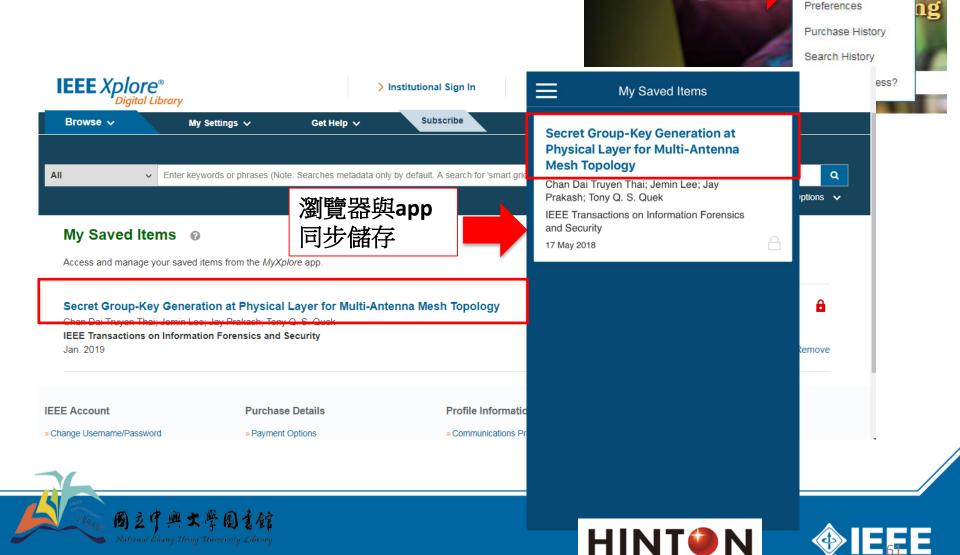






### 個人化設定(My setting)

# My Xplore APP



IEEE Xplore®
Digital Library

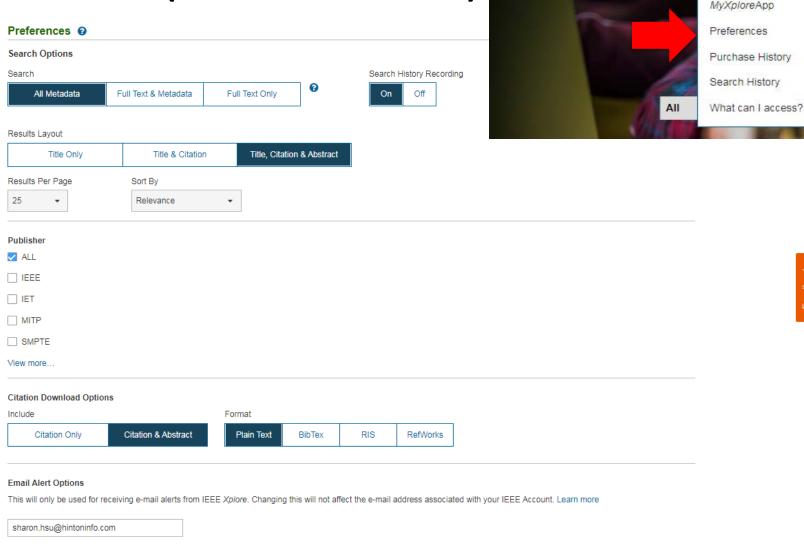
Browse >

My Settings ~

MyXploreApp

Alerts

# 檢索偏好(Preference)



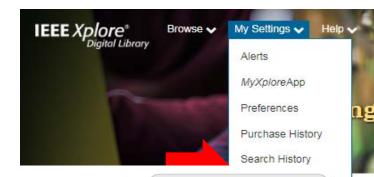
IEEE Xplore\*
Digital Library

My Settings -

Alerts

Browse >

# 檢索紀錄 (Search History)



Search History Recording: ON

(Modify settings in your preferences)

### Search History

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

- · rerun, modify, and combine previous searches
- · review refinements and other details of a previous search
- · store up to 50 previous searches on your account

Select multiple searches to combine them together.

#	Search Query	Details	
□35	("Author Affiliations":National Chung Hsing University)	1337 S Metadata S Sep. 21, 2017 18:20 UTC	X
□34	National Chung Hsing University	1584 5 Metadata Sep. 21, 2017 18:18 UTC	X
□33	fast steerable proncipal component analsis	12 • Metadata • Apr. 27, 2017 14:02 UTC	X
□32	LTE, MIMO	<ul><li>2058</li><li>Metadata</li><li>Mar. 3, 2017 21:08 UTC</li></ul>	X

#### SEARCH HISTORY TIPS

Only the most recent 50 searches are displayed

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

- 50 Keyword limit for combined searches
- 5 Wildcard limit for combined searches

Search alerts are not available for combined searches





# IEEE OA介紹及期刊投稿流程



## • OA簡介

### 何謂OA

- •Open Access (OA 開放取用/開放近用/開放獲取),將學術資源開放在網路上提供使用者自由取用。
- •《布達佩斯公開取用倡議》(Budapest Open Access Initiative,簡稱 BOAI)是 OA 運動重要的宣言,強調允許使用者在無經濟、法律或技術層面的困擾下,合法閱讀、下載、複印、傳播、列印、搜尋作品或連結全文資料,僅需於重製或散佈時正確引述作者的作品。
- •布達佩斯公開取用宣言所定義的 OA 約略等同於創用 CC 中的 CC-BY 授權。
- •Open Access Journals 是指經過同儕審查,且以免費的方式提供使用者取用之電子期刊。

	OA期刊 (Open Access)	傳統期刊 (Subscription)
作者成本	支付文章處理費(APC)	不須支付相關費用
著作權	作者擁有著作權	出版商擁有著作權
使用權	免費取用	只限訂閱戶取用
授權方式	創用CC授權	著作權法
費用支付來源	著者研究計畫或機構補助	學校或機構經費
同儕評審機制	有	有
傳播管道	數位化網路平台	紙本印刷或數位化平台





• 本校師生在IEEE資料庫投稿狀況

### 2016-2019年本校教師發表在IEEE資料庫的文章篇數統計表

年度	非OA期刋發表篇數	OA期刋發表篇數	合計
2016	18	3	21
2017	26	4	30
2018	23	12	35
2019	17	11	28
合計	84	30	114





## • 投稿OA作者端處理流程

- 1.投稿流程
- 2.稿件獲選
- 3. eCF授權
- 4. 補助申請

作者和原來投稿作業方式不會有太大改變





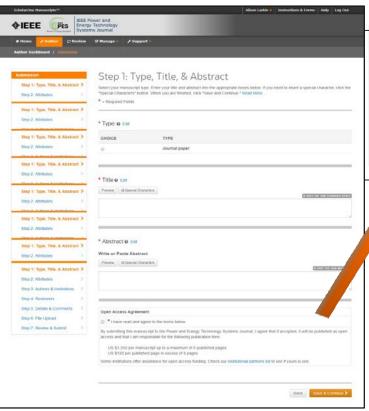
## 1.投稿流程

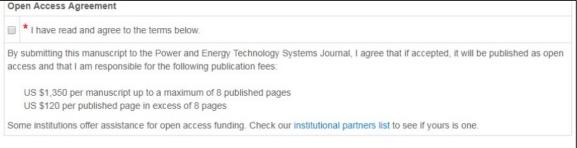
- IEEE寫作指南下載:
  - https://www.ieee.org/publications/authors/publishing-benefits/index.html?WT.mc\_id=pb\_ben\_pub
- IEEE投稿流程可參考圖書館OA網頁投影片
- ORCID申請請洽圖書館網頁說明: http://www.lib.nchu.edu.tw/index.php/libpubservice/orcid
- ●投稿流程由通訊作者(Corresponding Author)統籌處理
- ●作者投稿<mark>純OA期刊</mark>時將於「**步驟1**」時被要求接受OA發表條款及 發表費用
- 作者<mark>綜合型期刊</mark>時則會在「**稿件被接收**」後,才被詢問是否選擇以 OA方式發表





## 1.投稿流程 - 步驟1 - OA journal (例 1)





註: 單頁費用由各學會自行訂定,且不同期刊費用不同,也非所有期刊都會收取



## 1.投稿流程 - 步驟1 - OA journal (例 2)

#### **Open Access Agreement**

\* I have read and agree to the terms below.

By submitting this manuscript to the Photonics Journal, I agree that if accepted, it will be published as open access and that I am responsible for the following publication fees:

US \$1,220 for 6 or fewer published papers US \$1,820 for 7-10 published papers US \$125 per page for published pages 10 and above

Applicable taxes will be added to all open access, overlength, voluntary page charges as well as reprint orders at time of processing for bill to addresses in Canada and in all European Union countries. Bill to customers who are VAT registered in European Union countries will not have tax added when they provide their VAT registration number.

Some institutions offer assistance for open access funding. Check our institutional partners list to see if yours is one.

#### \* Impact Statement

IEEE Photonics Journal seeks manuscripts which will be of interest to our readers and have long reaching impact on the photonics community. In less than 500 characters, including spaces, please describe the importance of your paper and how it compares to existing understanding of phenomenon or to existing devices, systems, or applications. Your description should make clear how your manuscript advances knowledge in some significant way. Your Impact Statement should quickly convince an editor or reviewer that your work is not only novel but also makes a leap in thought, performance, or application. Submissions without an Impact Statement or with Impact Statements that merely duplicate their abstract and introduction will be returned to the authors without review.

註:不同期刊費用可能有所差異.

更多發表費用(APC) 相關訊息

https://open.ieee.org/index.p\_hp/forauthors/article-processing-charges/.

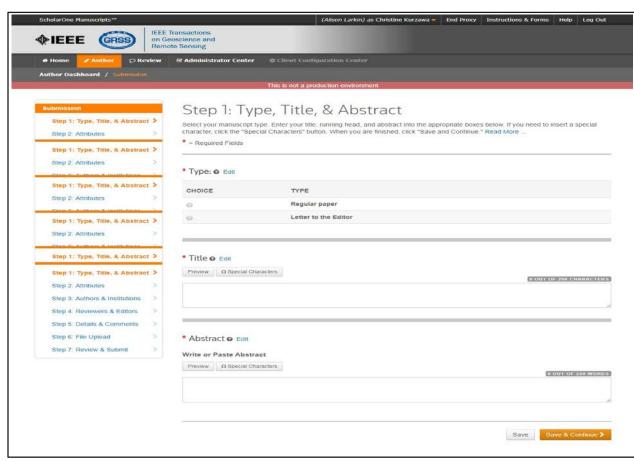




## 1.投稿流程 – Hybrid Journal綜合型期刊

註:

Open Access 選項於送 出稿件時不會顯示



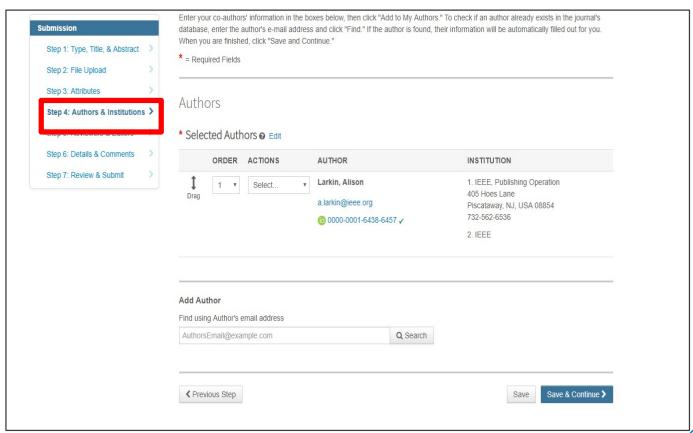




## 1.投稿流程 -步驟 4 作者&所屬單位資訊

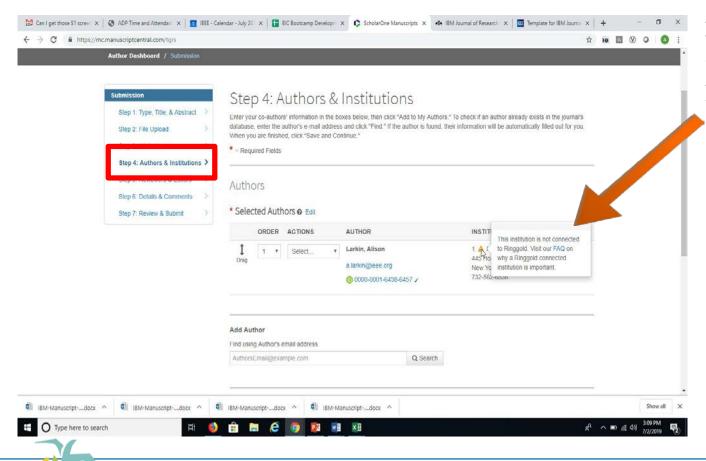
通訊作者需輸入所有作者所屬機構的資訊

所屬機構資訊將會 被用於和機構OA帳 戶比對





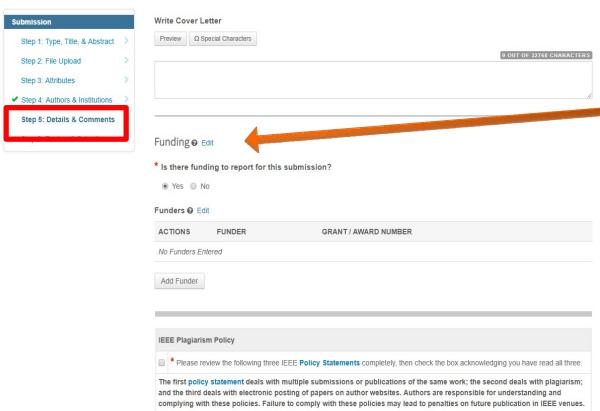
## 1.投稿流程 - 核對Ringgold ID



Ringgold IDs (34916)與投稿系統整合,當作者填寫之所屬機構資訊無法對應到一組Ringgold ID時,將會出現錯誤訊息



#### 1.投稿流程 - 步驟5 詳細資料及備註



作者也將被要求填寫 是否有補助支援。此 項目出現位置依各期 刊而有所不同



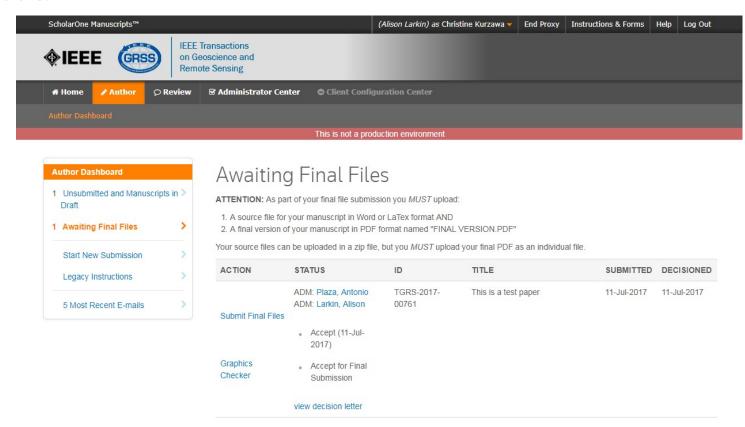


#### 2.稿件獲選

- 當稿件被接受,作者將被提醒上傳最終檔案並確認所有稿件詳細資訊。
- 針對混合型期刊中的論文,作者需選擇是否以OA形式發表。



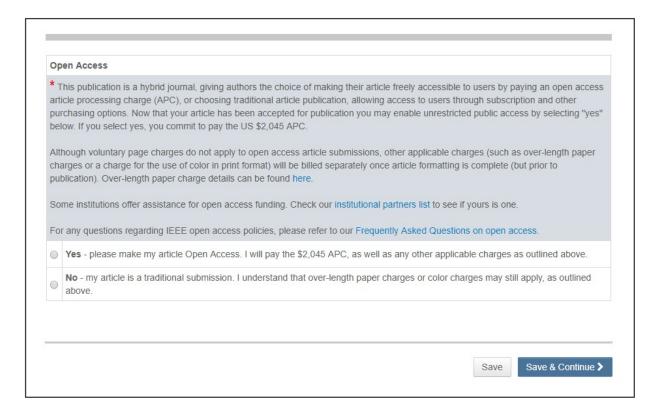
### 2.稿件獲選 - 最終檔案上傳







#### 2.稿件獲選 - 綜合型期刊



註:綜合型期刊文章作者 只有在稿件獲選後才會被 問及是否選擇OA方式發 表

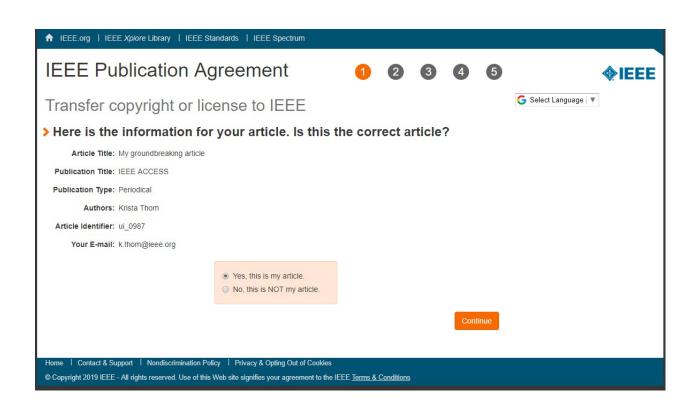


#### 2.稿件獲選 - 版權授權選擇

- 稿件獲選後,通訊作者需透過電子版權系統選擇授權方式 (eCF)
- 發表於綜合型期刊之作者需於以下兩種授權方式:
  - 傳統授權:版權轉移給出版單位,讀者需付費瀏覽
  - CC BY 4.0 授權: 版權仍歸作者所有,讀者可公開取得=>OA
- 於Gold OA 期刊依規定需選擇CC BY

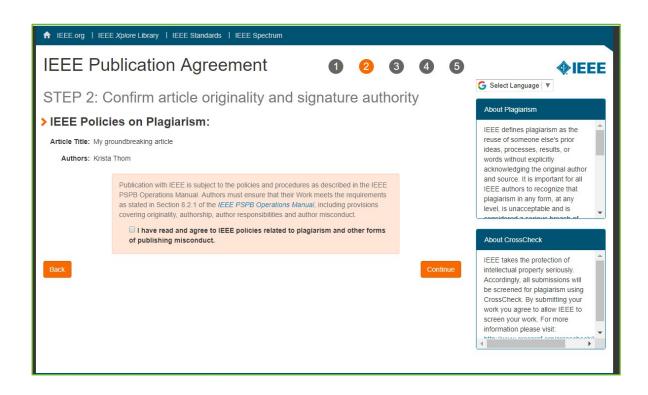


作者確認稿件相關訊息是否正確





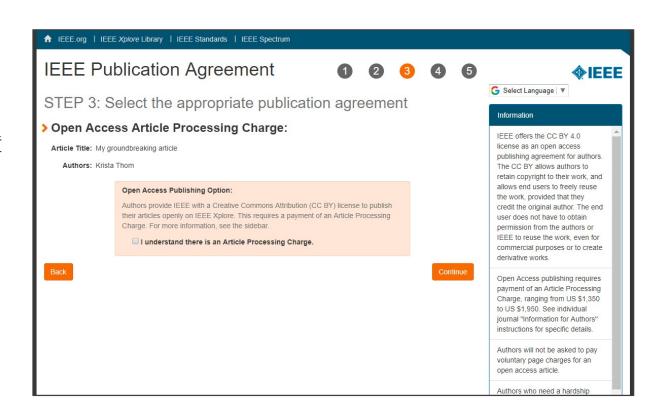
作者確認稿件原創性





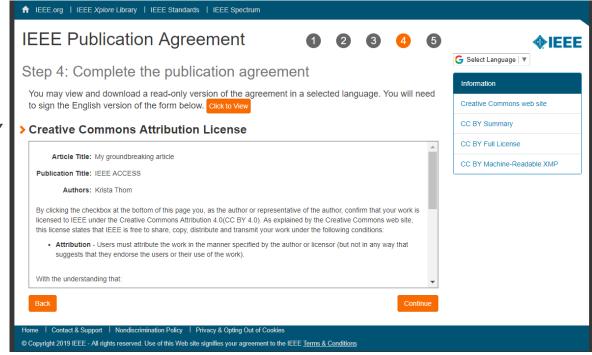


作者以OA方式 發表需支付文章 處理費用APC



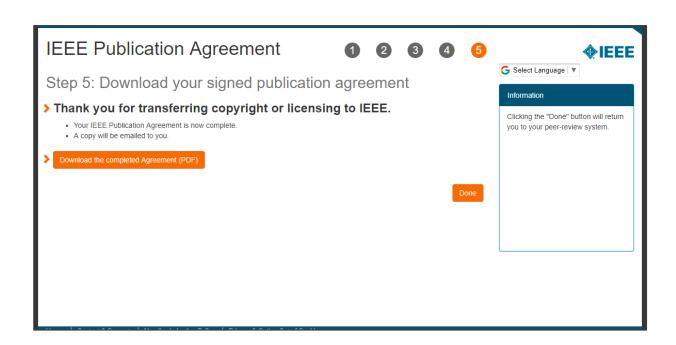


OA作者需簽署CC BY 4.0 授權書





作者送出電子簽名後將可下載授權書



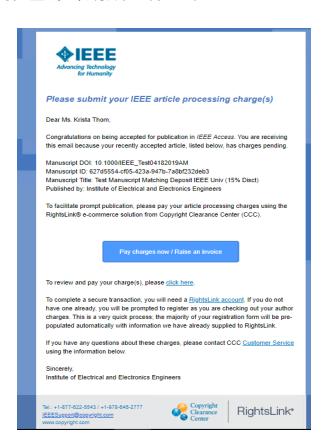


# 4.RightsLink Author

- 所有稿件處理費(APCs)皆透過 RightsLink Author (RLA)系統處理
- 稿件獲選後,作者將收到電子郵件通知,要求透過RLA系統支付稿件處 理費
- 若作者所屬機構曾簽署機構OA協議,作者可選擇申請機構補助所屬機構將依作者所提供的所屬機構資訊及Ringgold ID判別



#### 4.獲選及繳費通知



稿件獲選後,作者將收到電子郵件通知,要求透過RLA系統支付稿件處理費



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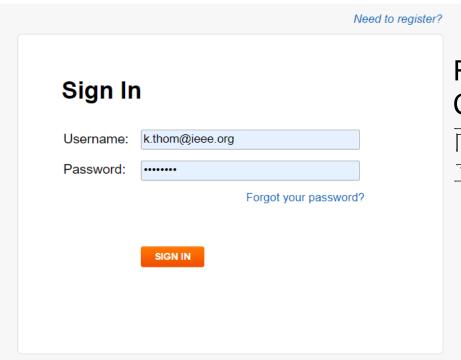
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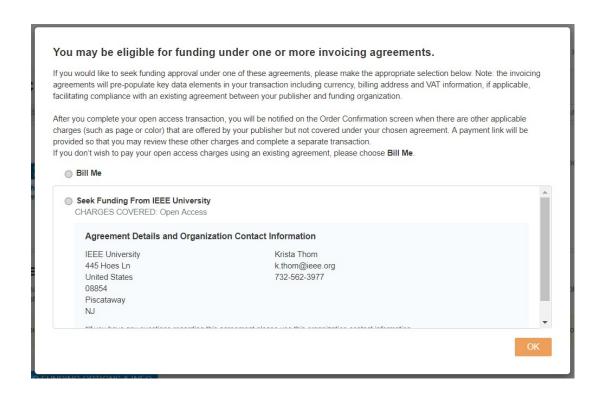
# 4.登入RightsLink 作者帳號



RightsLink Author系統直接由 Copyright Clearance Center 管理, 而非由IEEE管理,因此使用者需建 立RightsLink帳號以查看紀錄及付費



### 4.補助申請提醒

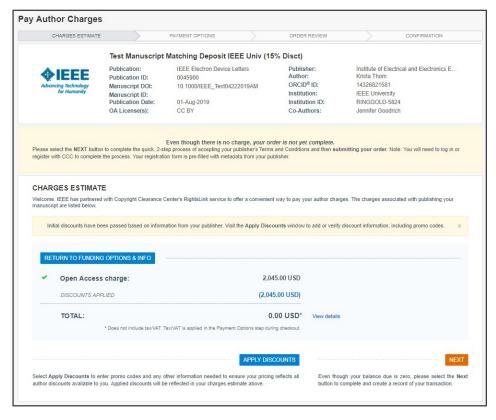


作者輸入所屬機構資訊與 既有機構資訊吻合時,作 者將會於彈跳式視窗中看 到補助申請提醒

若作者選擇 "Bill Me" 自 行支付,將依一般流程處 理,不會列入機構案件



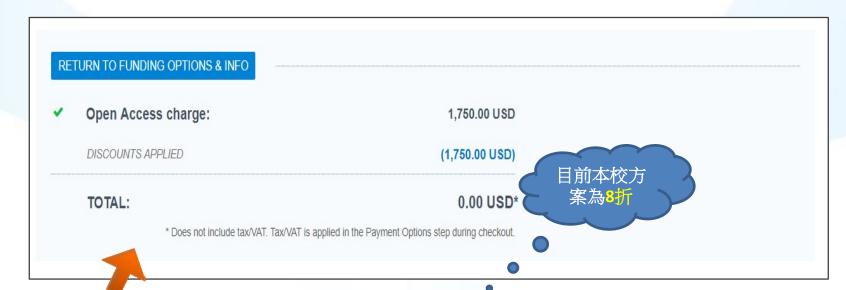
#### 4.應付費用明細



作者選擇付款方式後,將 可看到包含各項目費用和 折扣的明細

即使應付金額為零,作者 仍須完成結帳流程





作者選擇以機構帳戶發表之畫面(折扣幅度視方案內容而定)

作者選擇"Bill Me"時的畫面

#### RETURN TO FUNDING OPTIONS & INFO

Open Access charge:

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TOTAL:

1,750.00 USD\*

View details

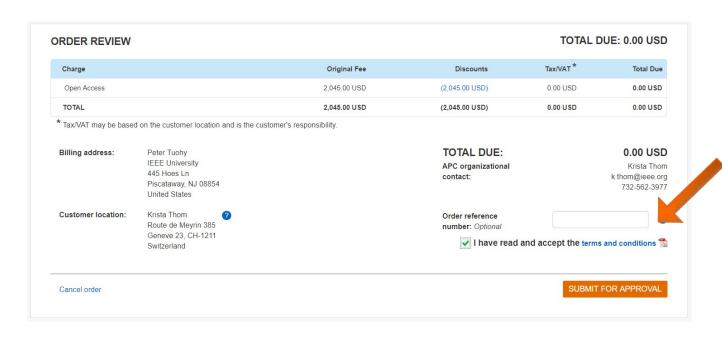
 $^{*}$  Does not include tax/VAT. Tax/VAT is applied in the Payment Options step during checkout.





#### 4.訂單內容明細

下一步,作者將能回顧訂單內容確認接受相關條款 若資料皆正確,作者需點選"SUBMIT FOR APPROVAL."

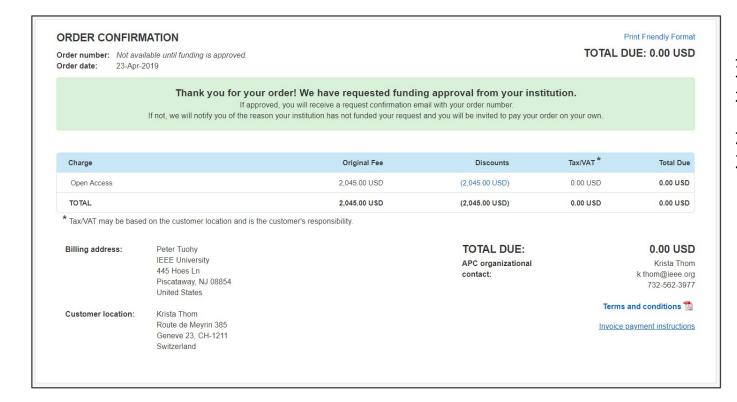


若機構要求填寫PO或其他追蹤編號時,作者可依規定填寫此欄位





#### 4.訂單確認



送出訂單後,作者將會看到確認畫面





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- IEEE Open Site: https://open.ieee.org/
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   https://www.ieee.org/publications/rights/author-posting-policy.html
- 預計系統開放時間109年10月



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#### 9月24日線上研討會預告

時間:9月24日 上午9點

Part 1:

題目: IEEE 期刊發表流程作者需知(中文主講)

主要對象: 欲投稿之師生及研究人員。也鼓勵圖書館及行政單位同仁參與

主講人:張武榮 | IEEE 客戶服務經理

主要內容:

IEEE 期刊發表計畫簡介

IEEE 作者參考資源簡介

IEEE 期刊發表流程暨步驟說明

預期時間:40分鐘簡報+10分鐘 Q&A

Part 2:

題目: IEEE OA 流程管理操作訓練(英文主講)

主要對象:以館員和行政人員為主,作者為輔

主講人:Scott Alison 資深客服經理Copyright Clearance Center

預期時間:30分鐘簡報+10 分鐘 Q&A





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#### 連絡人:

郭蕙貞組長:22840290-211

賴麗敏小姐: 22840290-218



