



# 使用手冊

# 目 次

<b>ACM Digital Library 簡介</b>	2
<b>ACM Digital Library 使用</b>	2
首頁	2
Journals/Magazine (期刊/雜誌頁面)	3
單本期刊主頁	3
Proceedings (會議錄頁面)	5
Conferences when & where (會議舉辦時間與地點頁面)	6
ACM Books	6
ACM Books (電子書頁面)	7
單本電子書的頁面	7
SIGs (特別興趣團體)	8
SIGs (SIGs 主頁面)	8
ACM Conferences (ACM 會議頁面)	10
People (作者頁面)	11
Profile (作者資訊頁面)	12
<b>檢索功能</b>	13
Advanced Search (進階檢索)	14
檢索技巧	15
檢索範例	15
檢索結果畫面	16
文章頁面	18
<b>ACM 個人帳戶</b>	19
註冊 ACM 個人帳戶	19
登入 ACM 個人帳戶	23
My Profile 頁面	24
My Binders 頁面	24
My Saved Searches 頁面	25

## ACM Digital Library 簡介

ACM Digital Library 是由全球最大的電腦教育及科學機構 — 美國計算機協會 (Association for Computing Machinery, ACM) 所出版的資料庫，集合電腦科學領域中頂尖的作者、編輯群和評論者，提供高品質和可靠的資訊來源。資料庫內容包含由 ACM 本身及其附屬機構所出版的全文文章，並提供電腦文獻指引(the Guide to Computing Literature)，涵蓋整個電腦領域的文摘與索引服務。且提供分析工具來幫助分析電腦科學領域出版品、作者及機構。

## ACM Digital Library 使用

■ 首頁：<http://dl.acm.org/>



- ❶ **Journals**：所有 ACM 出版的期刊總頁面。
- ❷ **Magazines**：所有 ACM 出版的雜誌總頁面。
- ❸ **Proceedings**：ACM 與 ACM SIGs 所贊助舉辦的會議論文頁面。
- ❹ **ACM Books**：ACM 電子書頁面 (不包含在 ACM Digital Library 訂閱可使用項目中，需另行購買)。
- ❺ **SIGs**：ACM 的特殊興趣團體 (Special Interest Groups, SIG) 頁面。
- ❻ **Conferences**：ACM 與 ACM SIGs 所贊助舉辦的會議資訊頁面。
- ❼ **People**：ACM Digital Library 中的作者頁面。

\* 若要用個人化功能，需登入個人的 ACM Web account

\* 直接在檢索框輸入關鍵詞進行快速檢索(Quick Search)後，在檢索結果的左側會有條件選項，可以透過條件選項縮限檢索結果；若想第一次檢索時直接限定多個條件，請選進階檢索(Advanced Search)

## ■ Journals/Magazine (期刊/雜誌頁面)

(Magazines 的顯示方式基本上如同 Journals, 所以僅以 Journals 頁面為例。)

Home > ACM Journals

**■ About ACM Journals**

ACM publishes more than 50 scholarly peer-reviewed journals in dozens of computing and information technology disciplines. Available in print and online, ACM's high-impact, peer-reviewed journals constitute a vast and comprehensive archive of computing innovation, covering emerging and established computing research for both practical and theoretical applications. ACM journal editors are thought leaders in their fields, and ACM's emphasis on rapid publication ensures minimal delay in communicating exciting new ideas and discoveries.

Recommend ACM DL

ACM JOURNALS

View : ☒ Grid View ☐ List View

選擇塊狀(Grid)或條列(List)方式  
顯示下方的期刊清單  
[此處為塊狀方式(Grid View)]

**CSUR**  
ACM Computing Surveys

**DGOV**  
Digital Government:  
Research and Practice

**DTRAP**  
Digital Threats: Research  
and Practice

**HEALTH**  
ACM Transactions on  
Computing for Healthcare

**IMWUT**  
Proceedings of the ACM  
on Interactive, Mobile,  
Wearable and Ubiquitous  
Technologies

**JACM**  
Journal of the ACM

各頁面最上方的黑色功能列中為固定顯示，此功能列上的檢索框皆設定為在整個 ACM Digital Library 中檢索。進入每個子頁面的檢索功能條，則限定僅檢索子頁面之下的內容。點擊頁面下方的各期刊名稱，即可進入該期刊的主頁。

## 單本期刊主頁 (以 ACM Computing Surveys 為例)

Journal Home Latest Issue Archive Authors Editors Reviewers Affiliations Award Winners About Contact Us

1

**ACM Computing Surveys**

Search within CSUR

僅在這本期刊中檢索

Home > ACM Journals > ACM Computing Surveys

**■ ACM Computing Surveys**

進入當期頁面

ACM Association for Computing Machinery

These comprehensive, readable surveys and tutorial papers give guided tours through the literature and explain topics to those who seek to learn the basics of areas outside their specialties in an accessible way. The carefully planned and presented introductions in *Computing Surveys (CSUR)* are also an excellent way for researchers and professionals to develop perspectives on, and identify trends in complex technologies. Contributions ... (More)

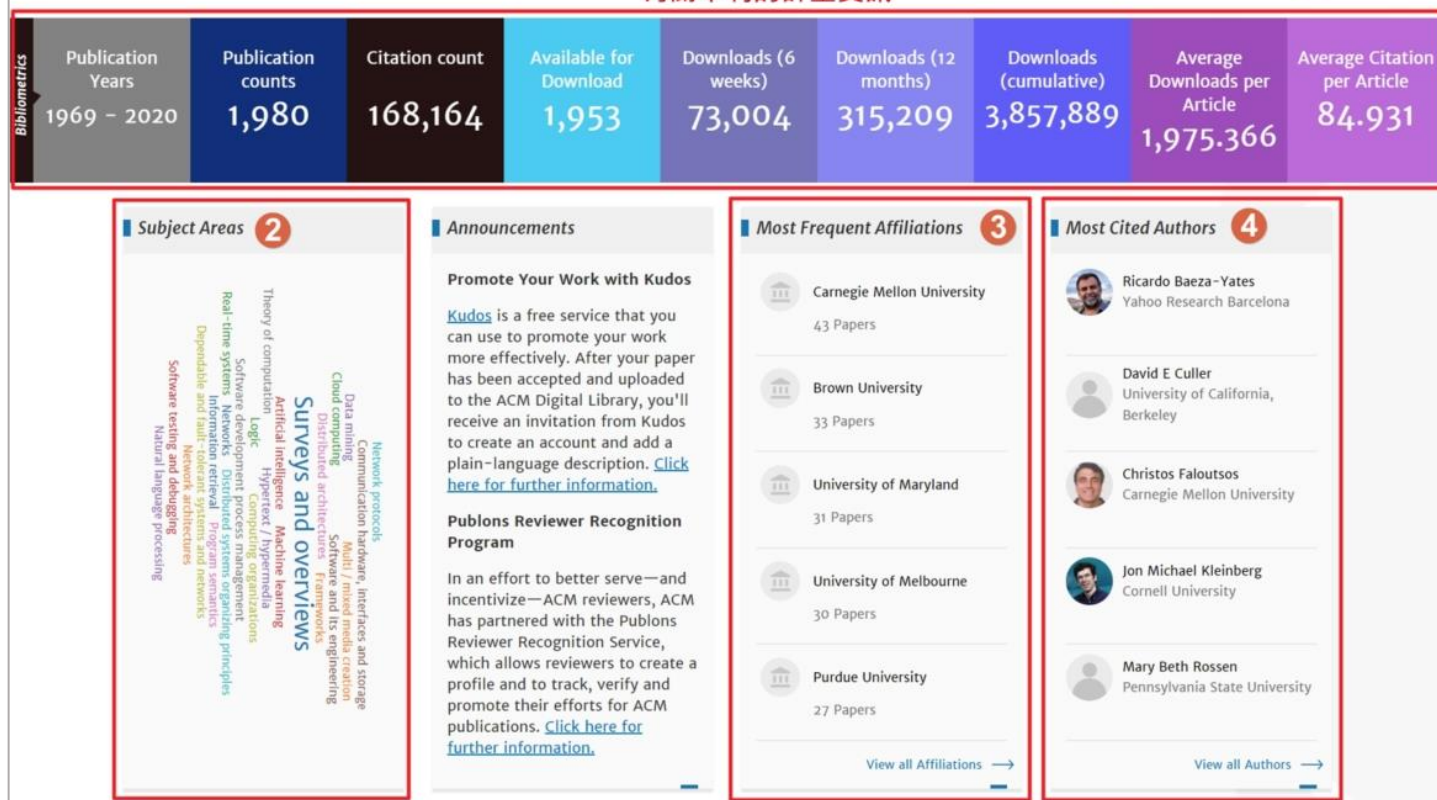
Editor-in-Chief: Albert Zomaya

設定獲取期刊出刊通知  
(個人化功能)

Get Alerts for this Journal

Twitter LinkedIn YouTube Facebook Email RSS

## 有關本刊的計量資訊



### 1 期刊功能標籤說明：

- **Latest Issue**：最新一期。
- **Archive**：過往的刊期。
- **Authors**：本刊中的作者。
- **Editors**：本刊的編輯群。
- **Reviews**：給本刊評論者的資訊 — 評審的過程、標準、決定……等等資訊，投稿者也可以從這裡了解投稿後的評審流程。
- **Affiliations**：本刊作者所屬機構。
- **Award Winners**：與本刊相關的得獎者。
- **About**：提供 編輯憲章(Charter)、投稿呼籲 (CFTs=Call for Paper)、本刊的通知(Announcement)、以及刊物被那些資料庫/服務收錄其摘要與索引(Abstracting and Indexing)的資訊。
- **Contact Us**：本刊的管理者的連絡資訊。

2 **Subject Areas**：本期刊中常見的主題。點選本期刊中常見的主題，就會執行含該主題在這本期刊中的檢索結果顯示。

3 **Most Frequent Affiliations**：最常投稿本刊的作者所屬機構。

4 **Most Cited Authors**：最常被引用的作者。

## ■ Proceedings (會議錄頁面)

The screenshot shows the ACM Proceedings website. At the top, there are three tabs: "ACM Proceedings" (annotated with a red box and '1'), "Conferences when & where", and "ICPS Proceedings" (annotated with a red box and '2'). Below the tabs is a large blue banner with the text "ACM Proceedings" and a search bar labeled "Search with ACM Proceedings" (annotated with a red box). Below the banner, there is a section titled "ACM Proceedings" with a description of conference proceedings. To the right of this section is a search box labeled "Search Proceedings by title:" (annotated with a red box and '3'). Below the search box is a link "Clear Search". Below the search box is a section titled "Browse Proceedings alphabetically" (annotated with a red box and '4') and "會議依照A-Z排列". Below this section is a table of conferences (annotated with a red box and '5'). The table has columns for conference names and the number of proceedings. The conferences listed are 3DAPAS, 3DOR, and 3DVP. The table also shows the total number of conferences for each letter (A: 204, B: 49).

Home > ACM Proceedings

### ACM Proceedings

Conference proceedings capture innovation across the spectrum of computing fields by publishing refereed research findings and invited papers from ACM conferences, workshops and symposia. In the field of computing, conferences constitute a vital channel for publications because they are the venue where cutting edge research is presented and discussed. ACM and its SIGs convene more than 170 conferences, symposia and workshops each year.

Search Proceedings by title:

Search with ACM Proceedings

在所有ACM Proceedings中檢索

3 Conferences

3DAPAS: Dynamic Distributed Data-Intensive Applications, Programming Abstractions, and Systems 1 Proceedings

3DAPAS '11: Proceedings of the 2011 workshop on Dynamic distributed data-intensive applications, programming abstractions, and systems

View Conference →

3DOR: 3D Object Retrieval

3DVP: 3D Video Processing

A 204 Conferences

B 49 Conferences

❶ ACM Proceedings：是由 ACM 與 ACM SIGs 所贊助舉辦會議的論文

❷ ICPS Proceedings：非 ACM 與 ACM SIGs 所贊助舉辦會議，但是會議論文由 ACM 所出版的。

以上每個會議名稱點擊打開後，會顯示所曾舉行過年份的會議，點入該年份的會議名稱，會進入該年份會議的 conference 頁面



## Conferences when & where (會議舉辦時間與地點頁面)

本頁面提供近期以及未來，將舉辦的會議資訊。

ACM Conferences | Conferences when & where | ICPS Proceedings

Home > Conferences > Upcoming events

### Upcoming and Past Conferences

ACM's Special Interest Groups (SIGs) sponsor more than 170 computing conferences, workshops, and symposia around the world. These events, which mirror the state-of-the-art in their respective fields, attract renowned experts from a broad range of computing.

View List of ACM Conferences →

1 Search by Title

Choose from a specific SIG Choose Conference Apr 20, 2018 ~ Jan 20, 2021

City State Country

Clear All Search

2 353 Results Sort By: Latest

Conference Name	Date	Location	Official Website
<b>ASPDAC '21</b> Sponsor: SIGDA ASPDAC '21: 26th Asia and South Pacific Design Automation Conference	January 18 ~ 21, 2021	Tokyo, Japan	ASPDAC '21 Website
No Available Proceeding yet			
<b>Middleware '20</b> Sponsor: SIGDA Middleware '20: 21st International Middleware Conference	December 7 ~ 11, 2020	Delft, Netherlands	
No Available Proceeding yet			

3 地圖 衛星檢視

Google 地圖資料 ©2020 使用條款

- 1 設定條件以檢索未來的會議。
- 2 檢索結果顯示。
- 3 互動式地圖 — 表示未來將舉辦的會議， 表示已舉辦過的會議

## ACM Books (需額外訂購)

ACM 自 2014 年起，與 Morgan & Claypool 出版社合作，啟動了一個新的電子書系列出版企劃 — ACM BOOKS，來扮演重要角色以服務社群。也更增強 ACM Digital Library 中豐富的期刊與會議出版品的組合。

ACM BOOKS 電子書系列預計將涵蓋所有計算機科學領域中的主題，本系列初始將專注於四種類型的書籍：

- 研究生等級之教科書
- 研究專書 -- 提供發展成熟和新興領域的概述
- 從業人員等級的專業書籍
- 專論計算機史與計算機對社會影響之書籍

## ACM Books (電子書頁面)

[Books Home](#) [Archive](#) [Forthcoming Books](#) [Authors](#) [Affiliations](#) [Award Winners](#)

# ACM Books

Search within ACMBOOKS

在所有ACM Books中檢索

Home > ACM Books

### ACM Books

ACM Books is a series of scholarly research monographs and graduate-level texts, authored by computer scientists and practitioners at the forefront of computing technology and includes books across the entire spectrum of computer science, geared to researchers, educators, practitioners and students. Comprehensive in its coverage of both established and emerging computing fields, the series focuses on graduate-level textbooks, research monographs, practitioner-level professional books, and books devoted to the history and social impact of computing. The ACM Books editorial board is composed of world-renowned professionals who represent the field's major areas of study.

[Recommend ACM DL](#)

  
ACM BOOKS  
[Browse Books in the ACM Guide to Computing Literature](#)

### New Releases



**Computing and the National Science Foundation, 1950-2016: Building a Foundation for Modern Computing**

Peter A. Freeman,  
W. Richards Adrion, +1

2019

This organizational history relates the role of the National Science Foundation (NSF) in the development of modern computing. Drawing upon new and existing oral histories, extensive use of N...

[Read More](#) →



**Providing Sound Foundations for Cryptography: On the Work of Shafi Goldwasser and Silvio Micali**

Oded Goldreich

2019

Cryptography is concerned with the construction of schemes that withstand any abuse. A cryptographic scheme is constructed so as to maintain a desired functionality, even under malicious attempts aim...

[Read More](#) →



**Concurrency: the Works of Leslie Lamport**

Dahlia Malkhi

2019


This book is a celebration of Leslie Lamport's work on concurrency, interwoven in four-and-a-half decades of an evolving industry: from the introduction of the first personal computer to an...

[Read More](#) →

## 單本電子書的頁面

Home > ACM Books > *The Handbook of Multimodal-Multisensor Interfaces: Language Processing, Software, Commercialization, and Emerging Directions - Volume 3*

### *The Handbook of Multimodal-Multisensor Interfaces: Language Processing, Software, Commercialization, and Emerging Directions - Volume 3* · July 2019



**Editors:** Sharon Oviatt, Björn Schuller, Philip R. Cohen, +3

**Publisher:** Association for Computing Machinery and Morgan & Claypool

**ISBN:** 978-1-970001-75-4

**DOI:** <https://doi.org/10.1145/3233795>

**Pages:** 813

**Appears In:** ACM Books

[PDF](#)

[ePub](#)

電子書提供的格式

(個人化功能)  
儲存至個人資料夾

[Save to Binder](#)

[Export Citation](#)

[Twitter](#) [LinkedIn](#) [Facebook](#) [Email](#)

### 有關本書的計量資訊

	Citation count	Downloads (6 weeks)	Downloads (12 months)	Downloads (cumulative)
<b>Bibliometrics</b>	14	1,752	2,060	2,060



## ■ SIGs (特別興趣團體)

ACM 的特別興趣團體 (Special Interest Groups, SIGs) 是來自全球領先的思想家的原始研究, 和個人觀點的主要來源, 涉及廣泛的電腦學科。目前在 ACM 之下包含 37 個 SIGs, 每一個 SIG 皆在各自的專業範圍內培養技術社群, 旨在提高其成員的技能, 使其與新趨勢保持同步, 並提供與同儕建立聯繫的機會。SIG 出版通訊和雜誌, 透過多種認可計劃鼓勵卓越發展, 並在本地至全球範圍組織會議和活動。

### SIGs (SIGs 主頁面)

# Special Interest Groups (SIGs)

在SIGs中檢索

Search within SIGs

Home > All Sigs

## SIGs


ACM's Special Interest Groups (SIGs) are a primary source of original research and personal perspectives from the world's leading thinkers across a broad spectrum of computing disciplines. SIGs foster technical communities within their respective specialties and aim to advance the skills of their members, keeping them abreast of emerging trends and offering opportunities for networking with colleagues. SIGs publish newsletters and magazines, encourage excellence through multiple recognition programs, and organize conferences and activities on a local-to-global scale.

View :

Grid View

List View


Recommend ACM DL




**SIGACCESS**  
The ACM Special Interest Group on Accessible Computing promotes the professional

More


**SIGACT**  
Special Interest Group on Algorithms & Computation Theory




**SIGADA**  
Special Interest Group on Ada Programming Language




**SIGAI**  
Special Interest Group on Artificial Intelligence



**SIGAPP**  
Special Interest Group on Applied Computing




**SIGARCH**  
Special Interest Group on Computer Architecture




**SIGBED**  
Special Interest Group on Embedded Systems




**SIGBIO**  
Special Interest Group on Bioinformatics, Computational Biology




**SIGCAS**  
Special Interest Group on Computers and Society




**SIGCHI**  
Special Interest Group on Computer-Human Interaction



**SIGCOMM**  
Special Interest Group on Data Communication



**SIGCSE**  
Special Interest Group on Computer Science Education



8

此處以 SIGGRAPH (Special Interest Group on Computing Graphics, 電腦圖形學特別興趣小組) 頁面為例

**SIGGRAPH**  
Special Interest Group on Computer Graphics

1 SIG Home 2 Publications 3 Upcoming Events 4 Authors 5 Affiliations 6 Award Winners

Search within SIGGRAPH

在SIGGRAPH中檢索

Home > SIGs > SIGGRAPH

**SIGGRAPH** • Special Interest Group on Computer Graphics

The ACM Special Interest Group on Computer Graphics (SIGGRAPH) promotes the generation and dissemination of information on computer graphics and interactive techniques. Everyone is welcome to apply for membership, but most members are researchers, developers, or users from the technical, academic, business, and artistic communities. Membership in ACM SIGGRAPH includes a monthly ACM SIGGRAPH email newsletter, a siggraph.org email address, discounts on conference registrations, and free access to ACM SIGGRAPH publications in the ACM Digital Library.

Join SIG

Recommend ACM DL

SIGGRAPH Website

下一場會議資訊

**Next Conference**

I3D '20  
Sponsor: SIGGRAPH

I3D '20: Symposium on Interactive 3D Graphics and Games

September 15 - 17, 2020

San Francisco, CA, USA

I3D '20 website

有關本團體的計量資訊

Bibliometrics	Publication Years	Publication counts	Available for Download	Citation count	Downloads (cumulative)	Downloads (6 weeks)	Downloads (12 months)	Average Citation per Article	Average Downloads per Article
	1969 - 2019	40,510	34,646	913,918	23,056,537	334,275	1,380,914	22.56	665.489

即將舉行的會議資訊

**Upcoming Conferences**

Conference Name	Date	Location	Sponsors	Website
I3D '20 Sponsor: SIGGRAPH	I3D '20: Symposium on Interactive 3D Graphics and Games	September 15 - 17, 2020	San Francisco, CA, USA	I3D '20 Website

- ❶ **SIG Home**：每個 SIG 的主頁面。
- ❷ **Publications**：該 SIG 團體的刊物與會議資訊頁面。
- ❸ **Upcoming Events**：該 SIG 團體未來將舉辦的會議資訊頁面。
- ❹ **Authors**：屬於該團體的作者群頁面。
- ❺ **Affiliations**：屬於該團體作者的所屬機構群頁面。
- ❻ **Award Winners**：曾獲獎的 ACM 作者。

## ■ ACM Conferences (ACM 會議頁面)

The screenshot shows the ACM Conferences website. At the top, there is a navigation bar with three tabs: 'ACM Conferences' (labeled 1), 'Conferences when & where' (labeled 2), and 'ICPS Proceedings' (labeled 3). Below the navigation bar is a large blue banner with the text 'ACM Conferences'. To the right of the banner is a search bar with the placeholder text 'Search within ACM Conferences' and a magnifying glass icon. Below the search bar is the text '在ACM Conference中檢索'. Below the banner is a section titled 'ACM Conferences' with a paragraph of text and a 'Recommend ACM DL' button. Below this section is a 'View' dropdown menu with 'Grid View' and 'List View' options. Below the dropdown menu is a grid of 12 conference tiles, each with a title and a brief description. The tiles are arranged in two rows of six. The first row contains: ACM SE (ACM Southeast Regional Conference), ANCS (Architecture for Networking and Communications Systems), APGV (Applied Perception in Graphics & Visualization), ASE (Automated Software Engineering), ASIA CCS (ACM Symposium on Information, Computer and Communications Security), and ASPDAC (Asia and South Pacific Design Automation Conference). The second row contains: ASPLOS (Architectural Support for Programming Languages and Operating Systems), ASSETS (ACM SIGACCESS Conference on Computers and Accessibility), AUS-CE (Australian Computing Education), BCB (Bioinformatics, Computational Biology and Biomedicine), C&C (Creativity and Cognition), and CCS (Computer and Communications Security).

1 ACM Conferences

2 Conferences when & where

3 ICPS Proceedings

# ACM Conferences

Search within ACM Conferences

在ACM Conference中檢索

Home > ACM Conferences

### ACM Conferences

ACM and ACM Special Interest Groups (SIGs) sponsor more than 170 computing conferences, workshops, and symposia around the world. These events, which range in size from conferences with tens of thousands of attendees to small workshops, mirror the state-of-the-art in their respective fields and attract renowned experts from a broad range of computing disciplines, who submit leading-edge research papers for presentation at the conference and inclusion in the published proceedings. Many of these conferences have earned preeminent status in their respective fields, attracting attendees from around the globe.

Recommend ACM DL

View: ☒ Grid View ☐ List View

選擇塊狀(Grid)或條列(List)  
顯示期刊清單

<b>ACM SE</b> ACM Southeast Regional Conference	<b>ANCS</b> Architecture for Networking and Communications Systems	<b>APGV</b> Applied Perception in Graphics & Visualization	<b>ASE</b> Automated Software Engineering	<b>ASIA CCS</b> ACM Symposium on Information, Computer and Communications Security	<b>ASPDAC</b> Asia and South Pacific Design Automation Conference
<b>ASPLOS</b> Architectural Support for Programming Languages and Operating Systems	<b>ASSETS</b> ACM SIGACCESS Conference on Computers and Accessibility	<b>AUS-CE</b> Australian Computing Education	<b>BCB</b> Bioinformatics, Computational Biology and Biomedicine	<b>C&amp;C</b> Creativity and Cognition	<b>CCS</b> Computer and Communications Security

- 1 **ACM Conferences** : ACM 所贊助舉辦的會議資訊
- 2 **Conferences when & where** : 提供近期與未來將舉辦的會議資訊
- 3 **ICPS Proceedings** : 非 ACM 與 ACM SIGs 所贊助舉辦會議, 但是會議論文由 ACM 所出版的。

## ■ People (作者頁面)

The screenshot shows the ACM People page. At the top, there's a blue header with the word 'People'. Below it, a breadcrumb trail reads 'Home > People'. A section titled 'People' describes the community and provides instructions for authors. A search bar is labeled '檢索作者姓名' (Search author name). On the left, a sidebar contains 'Subjects' and 'Affiliations' lists, with a red box and the number '1' indicating filter options, and a vertical label '縮限條件過濾作者' (Limit filter authors). The main area shows a grid of author profiles. A red box with the number '2' highlights the 'Sort By: Latest Published' dropdown, with a label '作者資料顯示排序' (Author information display sorting). Other numbered annotations include '3' for a profile picture, '4' for contact icons, '5' for the 'View Profile' button, and '6' for the 'Quick View' button.

### ❶ 提供下列特定條件，以便限縮過濾作者：

**Subjects**：主題

**Affiliations**：所屬機構

**ACM Designations**：ACM 成員 (member/fellow/senior member/distinguished member)

**Geography**：國家

**Publication Date**：文章出版日期

### ❷ 作者顯示排序項目，預設為 Latest Published (最新出版)，另有下列選項：

**Most Published**：出版文章最多

**Given Name a..Z**：名字，由 a 到 Z

**Given Name Z..a**：名字，由 Z 到 a

**Surname a..Z**：姓氏，由 a 到 Z

**Surname Z..a**：姓氏，由 Z 到 a



- 3 ACM 相關獎項標記：若作者曾獲得 ACM 相關獎項，或者屬於 ACM 成員 (ACM Fellow)，此處會出現相關的標記
- 4 作者資訊：作者的電子郵件信箱資訊，以及作者的網頁連結
- 5 View Profile：觀看作者的 ACM 個人資訊頁面
- 6 Quick View：顯示作者個人的資訊快覽

Profile (作者資訊頁面)


點選 Profile，可完整顯示作者的所有資訊，包含計量資料 (如以下範例)

Justin M Solomon

Search for Justin M Solomon's work

在該作者發表的文章中檢索

Home > Justin M Solomon




Justin M Solomon

Massachusetts Institute of Technology • Stanford University • MIT Computer Science and Artificial Intelligence Laboratory

1

Most frequent co-Author




Adrian Butscher

Stanford University

View author

2

Most cited colleague



Leonidas John Guibas

Stanford University

View author

3

Last year's Top subject

Computer graphics

View research

4


Last year's Top keyword

Hexahedral meshing

View research

5

Most frequent Affiliation



Massachusetts Institute of Technology

14 Papers

View affiliation

Bibliometrics

Average Citation per Article

17.419

Citation count

749

Publication counts

43

Publication Years

2007 - 2020

Available for Download

31

Average Downloads per Article

570.129

Downloads (6 weeks)

1,303

Downloads (12 months)

5,483

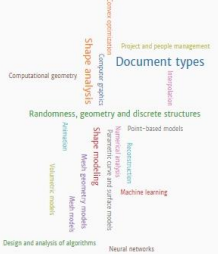
Downloads (cumulative)

17,674

此作者的計量資訊

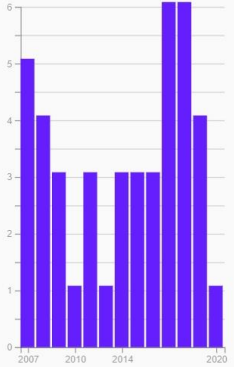
6

Subject Areas




7

Published Items by Year



8

Keywords



9

Colleague Collaboration

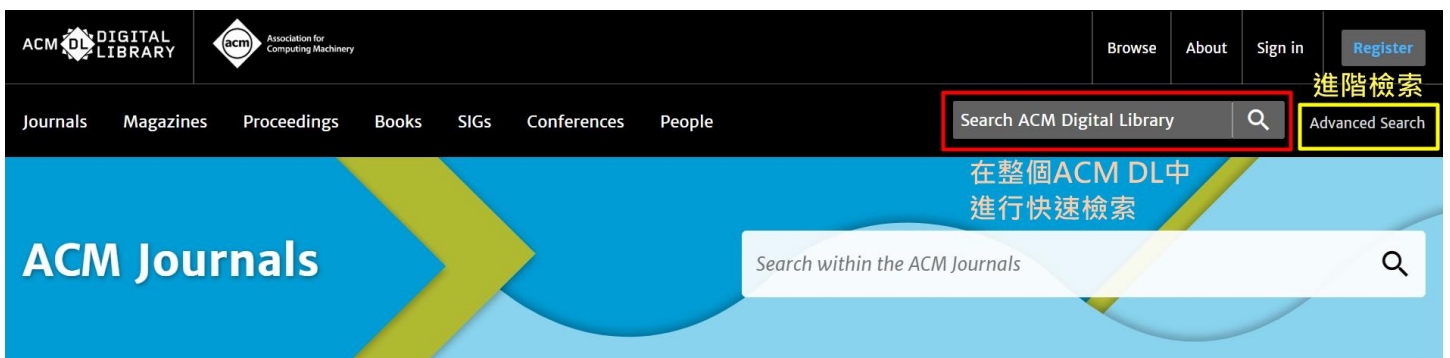
Adrian Butscher	7
Mirela Ben-Chen	6
Leonidas J Guibas	5
David Bommes	3
Gabriel Peyré	3
Sebastian Claiici	3
Vladimir Kim	3
Eitan Grinspun	2



- ❶ **Most frequent co-Author**：最常合作的共同作者
- ❷ **Most cited colleague**：最常被引用的合作作者
- ❸ **Top subject**：投稿文章最常見的主題
- ❹ **Last year's Top Keywords**：去年最常用的關鍵字（關鍵字是作者自行給予）
- ❺ **Most frequent Affiliation**：作者最常投稿時所屬的機構
- ❻ **Subject Area**：文章所屬主題
- ❼ **Published Items by Year**：文章出版年份
- ❽ **Keywords**：作者自行給予文章的關鍵字
- ❾ **Colleague Collaboration**：文章合作的作者

## 檢索功能

ACM Digital Library 中的檢索，分為**快速檢索**(Quick Search)與**進階檢索**(Advanced Search)兩種，在 ACM Digital Library 的首頁，以及每一個 ACM Digital Library 的頁面的右上方，均會顯示快速檢索框，以及進階檢索的連結，如下圖所示。



## Advanced Search (進階檢索)

### Advanced Search

#### Search

Search anything within the ACM Digital Library or go to your [Saved Searches](#)

Search items from:

The ACM Full-Text collection

▼

i

1

Search Within i

Anywhere

▼

Enter Search term

+

2

Filters i

Published in

▼

Match All

▼

Enter Search term

+

Publication Date i

3

☒ All dates

☐ Last

Please Select

▼

☐ Custom range

From:

Select Month

▼

Select Year

▼

To:

Select Month

▼

Select Year

▼

按 + 可以  
增加檢索欄位

- ❶ 設定檢索 ACM 僅含全文的內容，或包含書目資料的部份 (ACM Guide to Computing Literature)
- ❷ 設定檢索的欄位 (ex: 文章題名, 作者...等)，或設定限定條件 (ex: 出版於某期刊, 經費來源單位...等)
- ❸ 限定出版品的年月

## 檢索技巧

### 1. 布林邏輯

可使用布林爾運算元符 AND, OR 和 NOT 來縮小或擴大搜索結果。

在預設的情況下，除非在編輯查詢輸入中，指定其他運算符，否則在“Search Within”之間會假定為 AND 關係。

### 2. 檢索詞組

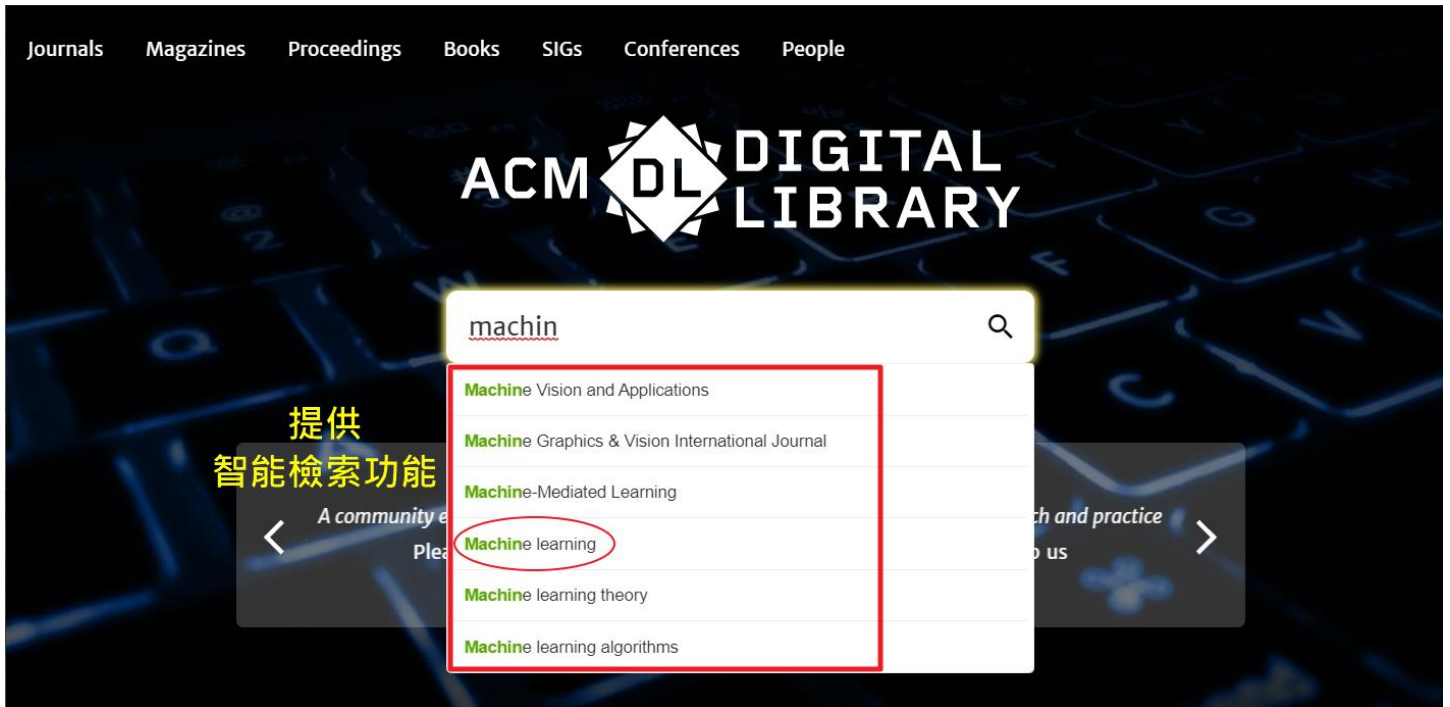
將詞組放在引號 “ ” 中，以檢索與該詞組完全相符的結果。

### 3. 通配符

- 使用星號 \* 指定任意數量的未知字符。例如，如果您搜索 comput \*，搜索引擎將提供包含 comput 單詞的結果，例如 compute, computing, computing 等。
- 使用問號 ? 指定任何單個未知字符。例如，如果您搜索 compute ?, 搜索引擎將提供如 computer 或 computed 之類的詞的結果，而不包 computers，因為問號僅代表一個字符。
- 注意：在搜索詞的開頭，或在引號內搜索短語時，不能使用通配符。

## 檢索範例

以 machine learning 為例，在首頁快速檢索框內，輸入檢索詞彙後，按下放大鏡按鈕，執行檢索。



## 檢索結果畫面

The screenshot shows the ACM Search Results interface. At the top, the title "Search Results" is displayed. A search bar contains the text "在快速檢索結果中，進行二次檢索" (Perform a secondary search in the fast search results). Below the search bar, there are buttons for "41,358 Results", "Edit Search", and "Save Search". A red box highlights the search bar and the "41,358 Results" button, with the annotation "檢索結果數量 重新設定檢索" (Search result count, re-set search). Another red box highlights the "Expand your search to The ACM Guide to Computing Literature (2,798,803 records)" link, with the annotation "擴展檢索結果至在DL中僅含書目資料的部份" (Expand search results to only contain bibliographic data in the DL). On the left, the "Applied Filters" section shows "Machine Learning" as the initial search condition. A red box highlights the "People" and "Publications" filter categories, with the annotation "利用系統預設條件縮限檢索結果" (Use system default conditions to limit search results). The main results area shows a list of search results, including "Session details: Session 6: Machine Learning for Physical Design (part 2)" and "Session details: Session 3: Machine Learning for Physical Design (part 1)". A red box highlights the "Select All" checkbox and the "勾選檢索結果" (Select search results) label, with the annotation "檢索結果類型" (Search result type). Another red box highlights the "Relevance" dropdown menu, with the annotation "檢索結果顯示依據" (Search result display basis).

系統預設縮限檢索結果條件有下列幾項：

**People**

**Publication**

**Conferences**

**Reproducibility Badges** (關於通過 ACM 論文額外審閱程序的標記, 有數種)

**Publication Date**

(※關於 Reproducibility Badges 的完整說明, 可參考 <https://www.acm.org/publications/policies/artifact-review-badging#functional>)

檢索結果顯示預設為依照相關性(Relevance)排列, 檢索結果顯示有下列選項：

**Relevance**：相關性

**Earliest**：出版年代最早

**Latest**：出版年代最新

**Downloaded**：下載數 (高至低)

**Cited**：引用數(高至低)

勾選檢索結果：可儲存文章至個人資料夾(binder) [個人化功能]，或是匯出文章的書目資料（提供三種格式：BibTex/EndNote/ACM Ref）

People

Names

Institutions

Authors

Editors

Reviewers

Publications

Journal/Magazine Names

Proceedings/Book Names

All Publications

Content Type

匯出所勾選文章的書目資料

Export Citations

(個人化功能) 儲存所勾選文章

Save to Binder

per page: 10 20 50 | Downloaded

PROCEEDING

KDD '06: Proceedings of the 12th ACM SIGKDD international conference on Knowledge discovery and data mining

Tina Eliassi-Rad, Lyle Ungar, Mark Craven, Dimitrios Gunopulos

This volume serves as the written record of the Twelfth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-06) held in Philadelphia, Pennsylvania on August 20- 23, 2006. The KDD conference provides a forum for novel research ...

10,490 161,575

Metrics

Total Citations 10,490

Total Downloads 161,575

Last 12 Months 6,331

Last 6 weeks 1,605

PROCEEDING

th ACM SIGKDD international conference on mining

Johannes Gehrke, William DuMouchel

International Conference on Knowledge Discovery and Data Mining, is being held in Seattle, Washington, U.S.A., on August 22-25, 2004, with an optional day trip to Rainier National Park on August 26. KDD provides a forum ...

游標移到此處可顯示文章的計量資料



## 文章頁面

點選檢索結果的文章題名，可進入到文章頁面，如下圖所示

The screenshot shows the article page for "DeepFovea: neural reconstruction for foveated rendering and video compression using learned statistics of natural videos" in ACM Transactions on Graphics, Volume 38, Issue 6. The page includes a navigation bar at the top with links like Journal Home, Latest Issue, Archive, etc. The article title is prominently displayed, followed by the authors: Anton S. Kaplanyan, Anton Sochenov, Thomas Leimkühler, Mikhail Okunev, Todd Goodall, and Gizem Rufo. The publication information states it is from November 2019, Article No. 212. On the left, there is a sidebar with "ACM Transactions on Graphics Volume 38, Issue 6" and a list of links: Abstract, References, Supplemental Material, Index Terms, and Comments. The main content area features the "Abstract" and "References" sections. The abstract discusses providing an immersive visual experience with head mounting, high resolution, and low latency. The references list two papers: one by Sami Abu-El-Hajja et al. (2016) and another by Martin Arjovsky et al. (2017). On the right side of the article, there are social media sharing icons (Twitter, LinkedIn, Facebook, Email) and a notification bell icon. Below these, there are buttons for "eReader" and "PDF". A red box highlights the "eReader" and "PDF" buttons, with a red text label "本篇文章可得的全文格式" (Full-text formats available for this article). Another red box highlights the notification bell icon, with a red text label "文章被引用通知 (個人化功能)" (Article citation notification (personalized feature)). A third red box highlights the "References" section, with a red text label "參考書目提供連結" (Reference list provides links). On the far right, there is a vertical sidebar with a "PDF" button and a "Help" link.

ACM Digital Library 中的文章，總計有以下四種全文格式，但並非每篇章都提供四種全文格式，大部分的文章僅提供兩或三種（範例所提供之全文格式為 eReader 及 PDF 兩種格式）。

### 1. PDF Format

2. **eReader**：無須額外安裝軟體，透過瀏覽器網頁線上閱讀，提供外加功能，如文章目次與參考資料連結、線上筆記(透過 [REMARQ](#)®服務提供，需另在 REMARQ®註冊)等等。

3. **Digital Edition**：僅有部分 ACM Magazines 提供 Digital Edition 格式全文

### 4. HTML Format

參考書目提供對外連結透過 Google Scholar  與 CrossRef 。有 ACM DL 圖示者  表示在 DL 內有全文。

ACM Transactions on Graphics  
Volume 38, Issue 6  
← Previous Next →

Abstract  
References  
Supplemental Material  
Index Terms  
Comments

ACM DIGITAL LIBRARY

**Supplemental Material** 補充資料

video

a212-kaplanyan.mp4  
MP4  
466.4 MB

Play stream Download

Available for Download

zip a212-kaplanyan.zip (460.1 MB) Download

Supplemental files.

**Index Terms**

DeepFovea

Computing methodologies

Computer graphics Machine learning

**Recommended** 推薦文章

The reliableables: volumetric performance capture of humans with realistic relighting  
We present "The Relightables", a volumetric capture system for photorealistic and high quality relightable full-body performanc...  
[Read More](#)

Interactive reconstruction of Monte Carlo image sequences using a recurrent denoising autoencoder  
We describe a machine learning technique for reconstructing image sequences rendered using Monte Carlo methods. Our...  
[Read More](#)

Feedback

## ACM 個人帳戶

### 註冊 ACM 個人帳戶

- ※ **請留意**：ACM Web account 登入需輸入 Username (在建立帳戶時系統會自動產生)，Username 並非註冊時所輸入的電子郵件地址，因此請您留意建立帳戶完後所收到的 email 通知，email 中會包含 Username 資料。
- ※ **遠端登入認證**：建立 ACM Web account 後，請先在機構的 IP address 之下，登入一次 ACM web account，之後即可在機構外(非機構 IP address 之下)，透過登入 ACM Web account，而可使用機構的 ACM DL 訂閱內容，此遠端認證可維持 6 個月。6 個月後需重新在機構的 IP address 之下，再次登入 ACM web account，則遠端認證可再維持 6 個月。

1. 點選 ACM 首頁(<https://dl.acm.org/>)右上方的 Register

ACM DIGITAL LIBRARY

Association for Computing Machinery

Browse About Sign in **Register**

Journals Magazines Proceedings Books SIGs Conferences People

ACM DIGITAL LIBRARY

Search

Advanced Search

Welcome to the ACM Digital Library

A community engaged with a repository of resources to support computing research and practice

Please explore and use the [Feedback] button on any page to help us shape the new site.

2. 輸入要建立 ACM account 要使用個人的機構 email address (需能收到系統發出的確認信)之後，按下 Continue 按鈕。

3. 依照網頁上的指示，依序填寫英文姓名、設定密碼、以及設定忘記密碼時提示問題與答案，填寫完後按下 Continue 按鈕。

\* 系統之後會自動產生 ACM Account Username，請記住此系統產生的Username，即為之後登入帳號的Username

輸入英文姓名

設定密碼，長度限定為6-26字母

Security Question and Answer

Set a question and answer for your account. Your answer is case-sensitive.

Keep your question and answer combination confidential: if you forget your password, you'll be able to reset it by answering your security question correctly.

Question

Answer

[Continue](#)

設定忘記密碼時的提示問題與答案，答案字母大小寫有區別

4. 接下來網頁會顯示系統自動稱成的 username，此 username 即為日後登入 ACM Digital Library 個人帳戶的 username，請記下此 username。系統同時會發送包含帳戶確認鏈結的確認 email，到初始註冊時的 email 信箱中。

ACM Account

CREATE ACCOUNT TROUBLE LOGGING IN RESET PASSWORD UPDATE USERNAME RETRIEVE CLIENT NUMBER

Your New ACM Account Information

An ACM Account has been created for you with this username:

系統會自動產生username，此即為日後登入Username

An email message, with a link to confirm your request for this account, will arrive at your email @igrouptaiwan.com momentarily.

If you don't receive the email within a few minutes, [click here to resend it.](#)

Return to: [idp.acm.org/](http://idp.acm.org/)

5. 在各位初始註冊時所填入的 email 信箱，會收到類似下列 email 通知(完成 ACM account 設定)。請依照 email 中指示，點擊鏈結。

File Edit View Go Message Events and Tasks Tools Help

台科大 FW: (台科大) Fwd: C X

Get Messages Write Address Book Tag Quick Filter Calendar Tasks Search

From: ACMAccountNotify

Subject: Complete Your ACM Account

To: Kevin Klein

Reply Forward Archive Junk Delete More

上午 10:58

Please follow this link to complete setting up your account:

<https://accounts.acm.org/verify.cfm?ticket=FA9C1816ED29FCDF9CF23C828AC2DB74&ticket2=01DFE1813D12B58E33DFB0ZSCEFXGER>

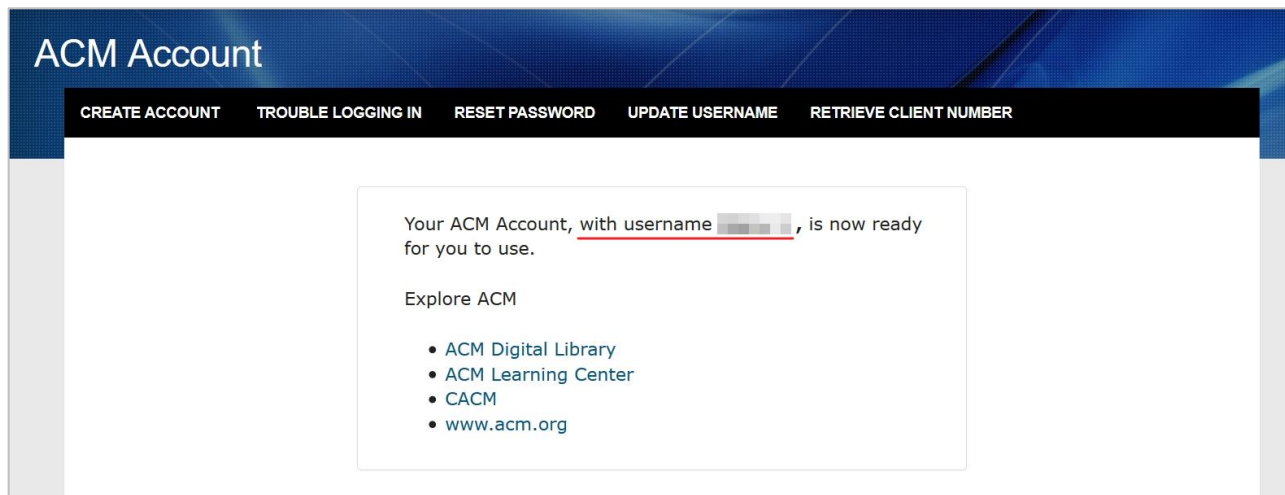
Please do not reply to this email. It is generated automatically, and replies will not reach a human reader. Please send your reply to ACM Member Services, at [acmhelp@acm.org](mailto:acmhelp@acm.org), instead, and a Member Services Representative will assist you.

ACM Member Services  
[acmhelp@acm.org](mailto:acmhelp@acm.org)  
 1-800-342-6626 (USA and Canada)  
 +1-212-626-0500 (Global)

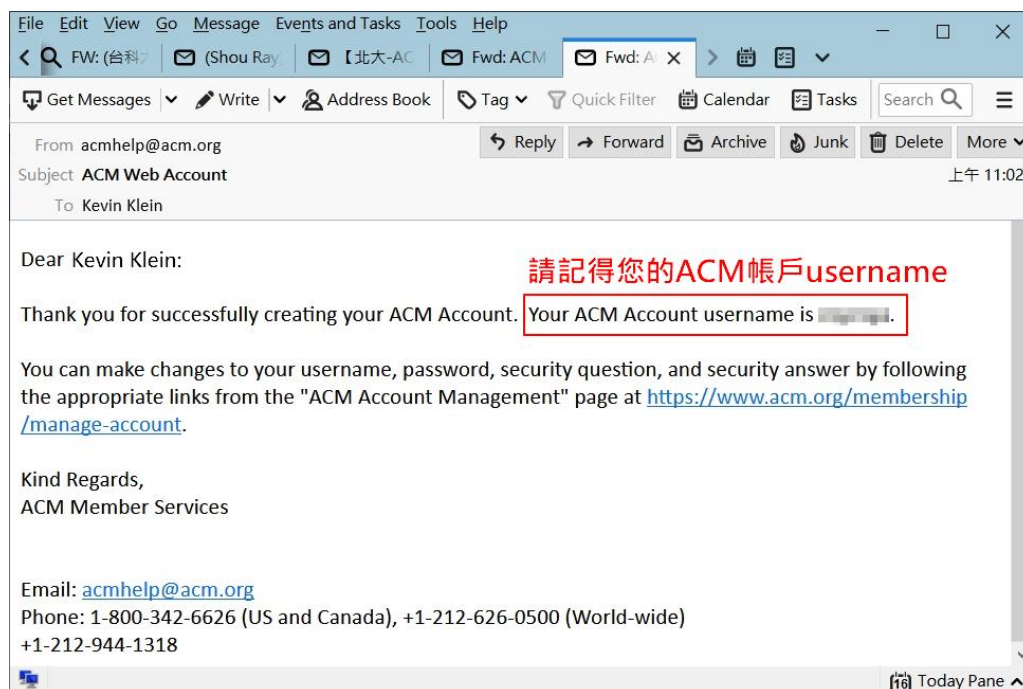
Today Pane



6. 點擊鏈結後，會顯示下列網頁資訊 (網頁上會再次顯示 username 資料)，即可完成創建 ACM account。



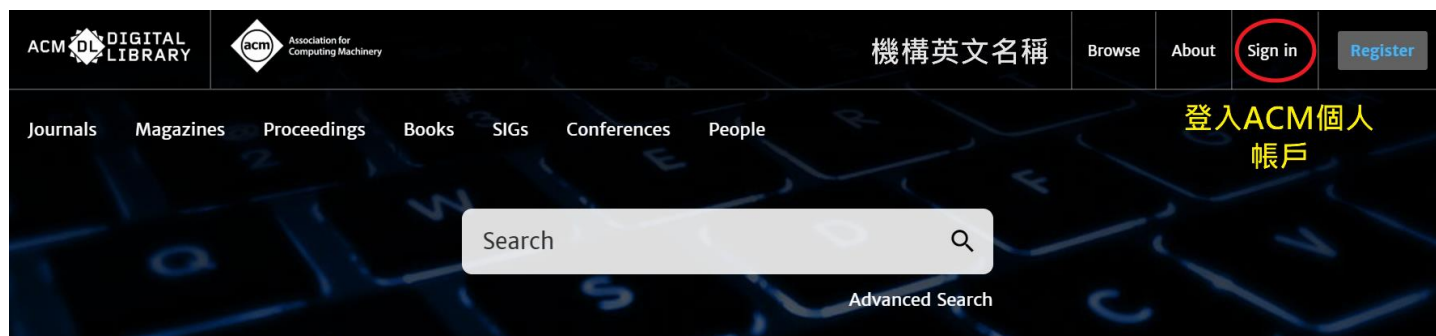
同時也會收到 ACM Web account 已成功設立的通知信。



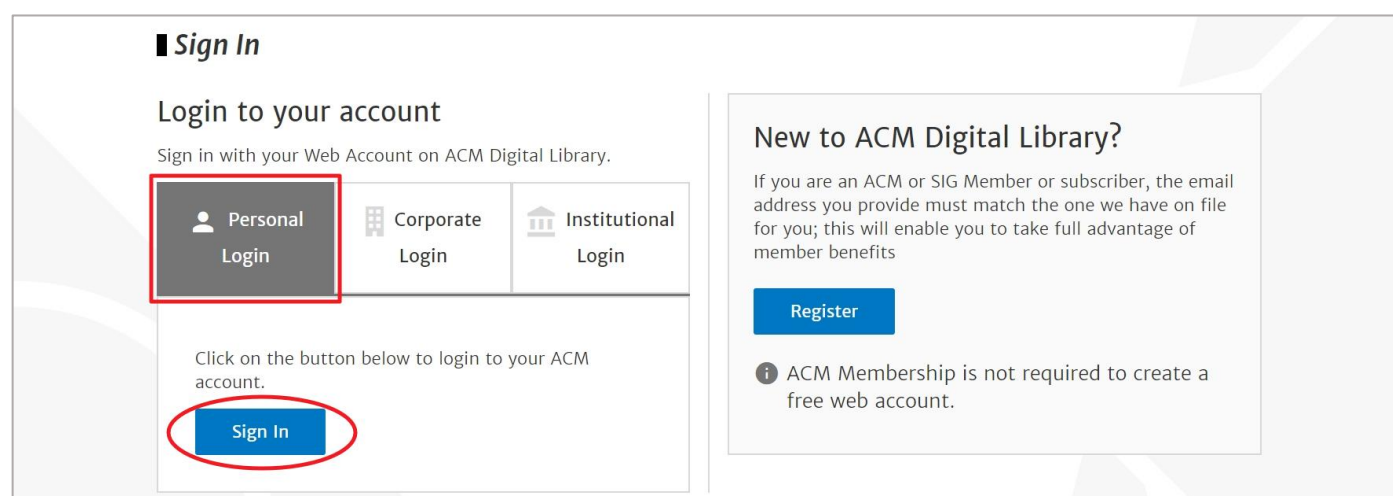


## 登入 ACM 個人帳戶

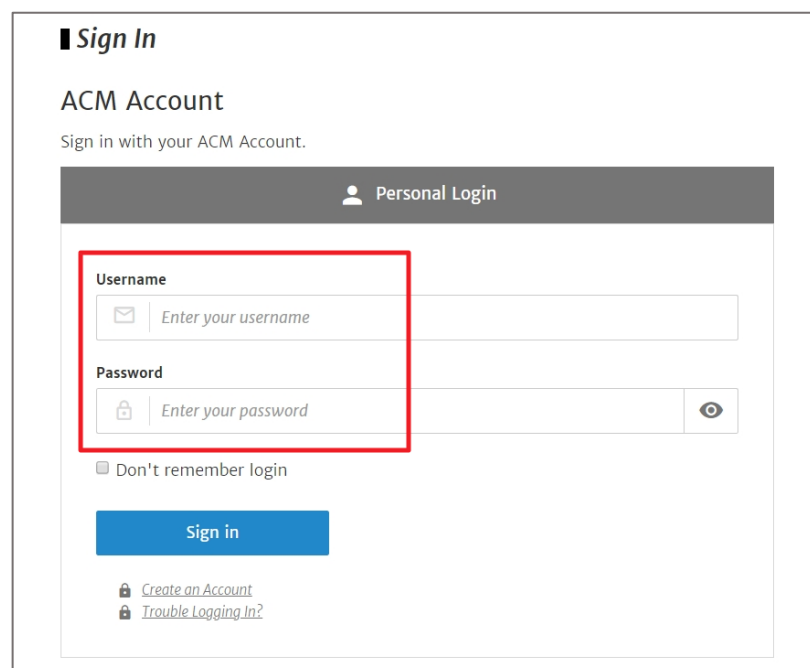
在 ACM Digital Library 網站任一頁面的右上方，點選 Sign in



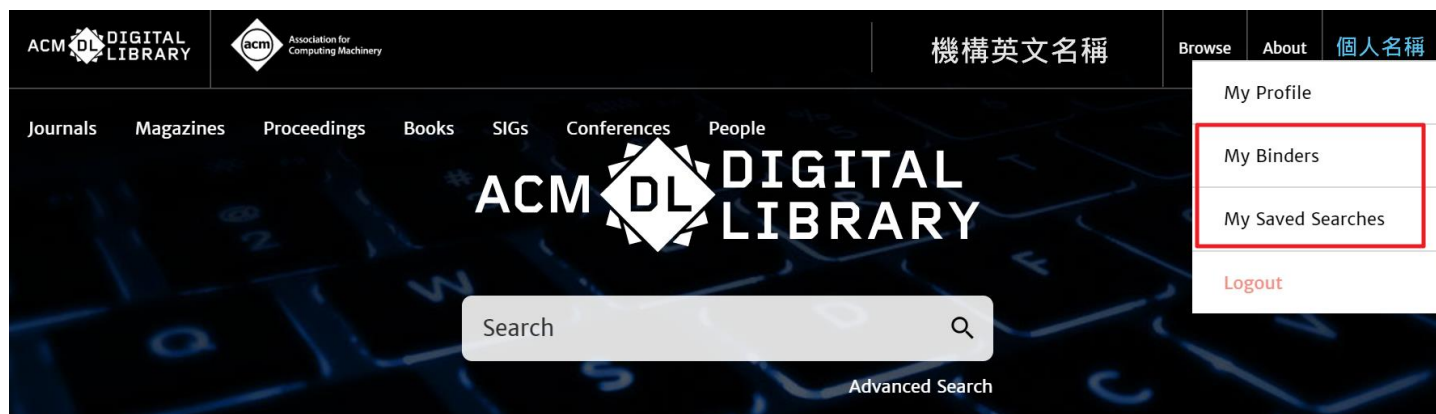
接著網頁會出現三種登入選項，請在 Personal Login 之下再點選 Sign In



輸入先前註冊帳戶時，由系統所產生的 Username，以及自行設定的 Password 後，按下 Sign in 登入 ACM 個人帳戶。

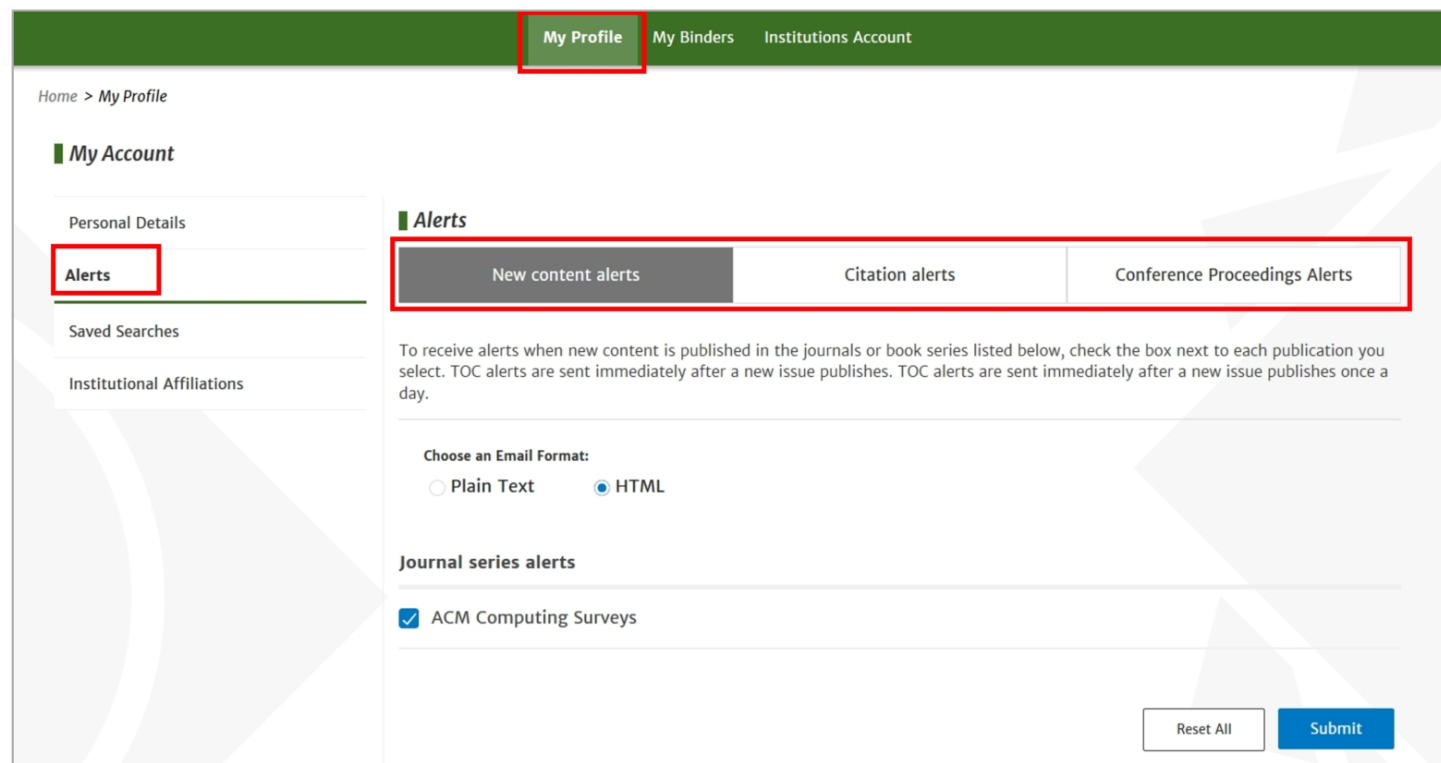


登入後在網頁右上角會顯示個人名稱，點擊個人名稱後，會出現如下圖所示四個選項，分別簡介如下



## My Profile 頁面

點選 My Profile 之下的左方的 Alerts，可管理所訂閱的各種通知



## My Binders 頁面

可在此處建立資料夾，分類管理自己所儲存的文章，或選擇與他人分享自己所建立的資料夾內容。

欲選擇與他人分享資料夾，需輸入接受分享者的電子郵件信箱(對方必須用此電子郵件信箱建立 ACM 個人帳戶)，發出邀請 email，待對方登入 ACM 個人帳戶後，即可看到自己所分享資料夾中的文章目錄。接受分享者若想要閱讀文章全文，仍需有機構訂閱 ACM Digital Library，或個人具備 ACM 會員資格，才可閱讀全文。

My Profile
My Binders
Institutions Account

Home > My Binders

My Binders

+ Create a New Binder

建立新資料夾

(在儲存文章時亦可同時建立新資料夾)

Name	Description	Last Modified	Tools
My Reading List	My most recently downloaded articles.	Mar 5, 2020 Me	<div>與他人分享資料夾</div> <div>複製資料夾</div>
System	No description	Mar 22, 2018 Me	<div>”</div> <div> <div> </div> </div> <div> </div> <div> </div>
iPhone	No description	Sep 24, 2014 Me	<div>”</div> <div> <div> </div> </div> <div> </div> <div> </div>
Cloud	No description	Sep 24, 2014 Me	<div>”</div> <div> <div> </div> </div> <div> </div> <div> </div>
Games	他人所分享的資料夾	Mar 22, 2018 @igrouptaiwan.com	<div>”</div> <div> <div> </div> </div> <div> </div> <div> </div>

## My Saved Searches 頁面

在此頁面可管理曾經儲存的檢索策略。在儲存檢索策略時，即可設定發送新檢索結果 email 通知的頻率 (Never/Daily/Weekly/Monthly)，日後可在此處修改或刪除。

My Profile
My Binders
Institutions Account

Home > My Profile

My Account

Personal Details

Alerts

Saved Searches

Institutional Affiliations

Saved Searches

Saved Search Name	Frequency	Saved on	Last run on	
[All: machine learning] AND [Publication Date: Past 2 years]	Monthly	Mar 5, 2020	Mar 5, 2020	<div> <div> </div> </div> <div>Run</div> <div> </div>
All: cloud storage	Weekly	Mar 5, 2020	Mar 5, 2020	<div> <div> </div> </div> <div>Run</div> <div> </div>