

# 美国计算机协会 Association for Computing Machinery

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Association for  
Computing Machinery

*Advancing Computing as a Science & Profession*

<https://dl.acm.org/>

# ACM Digital Library

## 美国计算机协会 ACM 数据库

ACM创立于1947年，是全球历史最悠久和最大的计算机教育、科研机构。目前提供的服务遍及全球100多个国家，会员数超过11万名，涵盖工商业，学术界及政府单位。致力于发展信息技术教育、科研和应用，出版权威和前瞻性的文献，如专业期刊、会议录和新闻快报。





## ACM Digital Library订阅内容：

- 79种期刊，全部回溯到起始卷；
- 约64.08万篇全文会议录文献，并以每年约25,000 篇的频率不断更新。
- 39种ACM SIG（特别兴趣组）出版物文献；

侧重领域：人工智能、应用计算机学、人机互动、设计自动化等；

特别兴趣组每年在世界各地举办200场左右的会议、研讨会和论坛等。

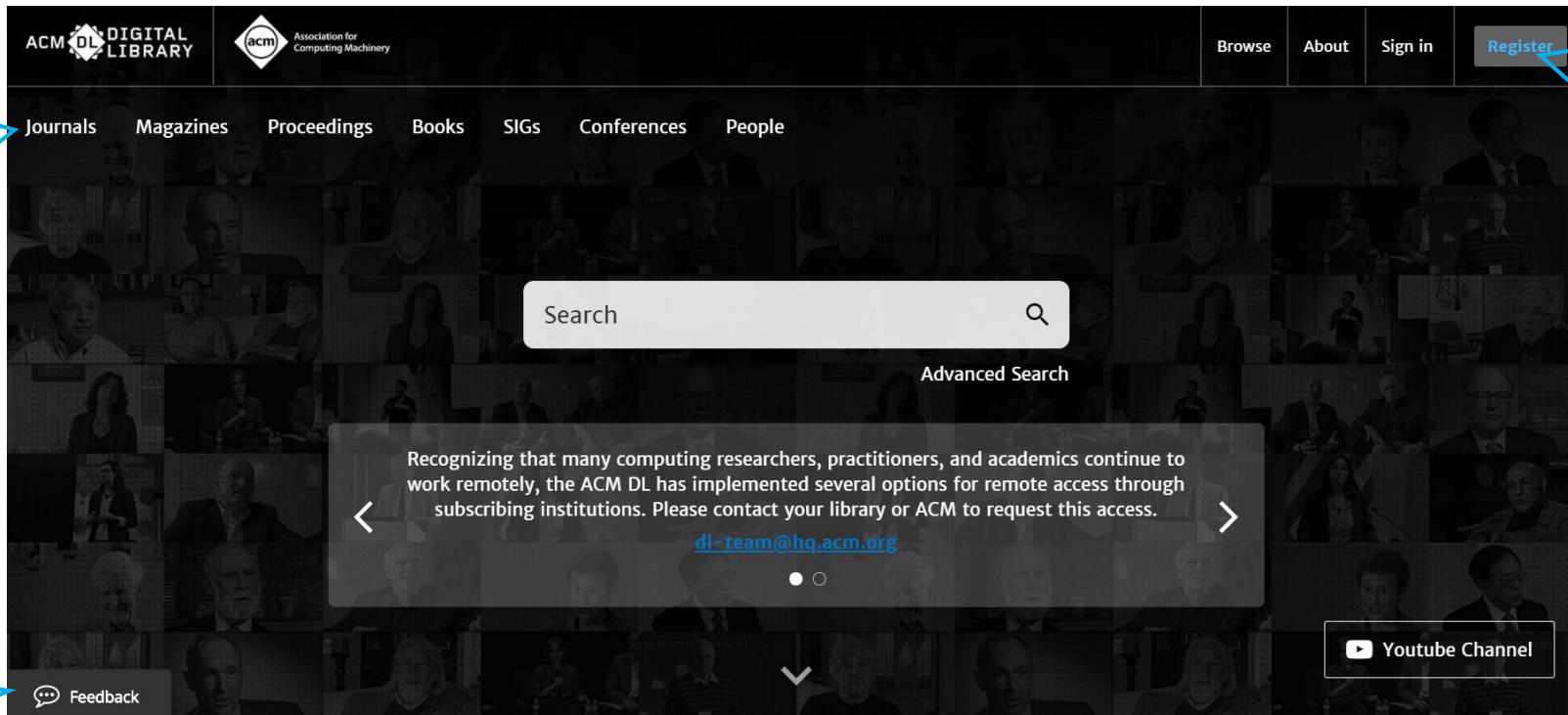
- “在线计算机文献指南”数据库：收录1000多家出版机构超过3,300,000条文摘题录信息，  
旨在为专业和非专业人士提供了解计算机和信息技术领域资源的窗口。





## 1. ACM数据库主页

轻松访问期刊、杂志、会议录、电子书、特殊兴趣小组、会议等，直接点击相关内容缩略图。



页面反馈意见

- “注册”个人账号：
1. 创建个性化文件夹保存文章和笔记，可与朋友分享；
  2. 保存检索结果和设置新内容提醒。

ACM数据库优酷  
网页链接。





- ✓ 基础搜索框位于DL主页的顶部；
- ✓ 基础搜索在您输入时提供即时建议；
- ✓ 基础搜索允许搜索人物、出版物和内容；
- ✓ 基础搜索允许布尔运算符 AND、OR 和 NOT（使用大写字母）；
- ✓ 基础搜索框在DL屏幕上始终可用。

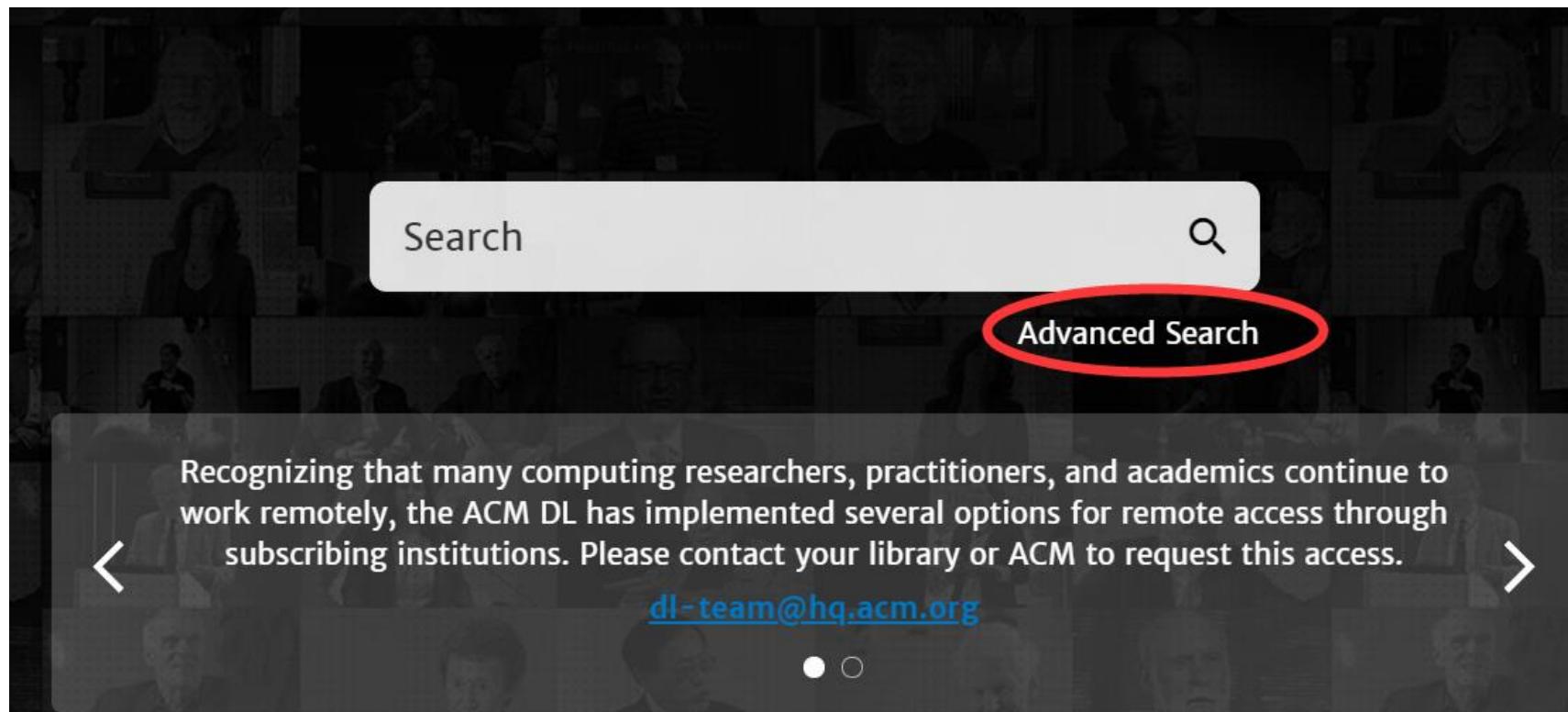
## 2.基础检索

The screenshot shows the ACM Digital Library homepage. At the top center is a search bar with the placeholder "Search" and a magnifying glass icon. Below it is an "Advanced Search" link. A large, semi-transparent overlay window is centered over the page, containing a search input field with the word "cloud" and a magnifying glass icon. A dropdown menu lists several search results or suggestions related to "cloud": "Cloud-Based Solutions for Healthcare IT", "Cloud-Computing-Security", "Cloud-enabled mobile sensing systems", "Cloud-I: Cloud Intelligence", and "CLOUD: Software Engineering Challenges of Cloud Computing". The background of the overlay is white, and the text is black, except for the word "Cloud" which is highlighted in green.



## 2. 高级检索

✓ 高级搜索就在基本搜索框的下面：





- ✓ 可选择只搜索全文或同时包括《计算机文献指南》书目索引

- ✓ 可添加额外的内容过滤器，如：文章补充材料、常规计算机学科领域、出版商等相关术语。

- ✓ 可应用布尔运算符AND、OR和NOT。

### Advanced Search

#### Search

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

#### Search items from:

The ACM Full-Text collection

#### Search Within

Anywhere

compute

#### Filters

Published in

Match All

Enter Search term

#### Publication Date

All dates

Last

Please Select

Custom range

From: Select Month

Select Year

To: Select Month

Select Year

Clear

Search

## 2. 高级检索（接上页1）

- ✓ 高级搜索基于一个过滤系统，允许用户细化他们的搜索参数；

- ✓ 可搜索文章引文中包含的单词或其他相关元数据；

- ✓ 可自定义搜索结果的出版社日期范围；

- ✓ 点击“搜索”按钮提交。



## 2. 高级检索 (接上页2)

✓ 可从下拉菜单中选择搜索字段。

✓ 可添加多个“Filters (筛选条件)”来选择更多的参数。

Search Within ⓘ

Title

- Anywhere
- Title**
- Publication Title
- Author
- Abstract
- Full text
- Author Affiliation
- Author Keyword
- Conference Location
- Conference Sponsor
- Name
- ISBN/ISSN
- DOI

computer

Enter Search term

Enter Search term

Enter Search term



- ✓ ACM网络账户允许用户保存其搜索结果；
- ✓ 已登录网络账户才能启用此功能；
- ✓ 已保存的搜索可在账户中找到并重新生成。
- ✓ 点击屏幕右上角您的名字，进入您的个人资料账户。
- ✓ 可设置“RSS”提醒，更新内容第一时间发送绑定邮箱。

### 3. 保存检索结果

The screenshot shows the search results for 'All: computer'. At the top right, there are buttons for 'Edit Search', 'Save Search' (with a heart icon), and 'RSS' (indicated by a red arrow). Below the search bar, it says '601,746 Results for: All: computer' and 'Searched The ACM Full-Text Collection (657,234 records) | Expand your search to The ACM Guide to Computing Literature (3,087,347 records)'. The results are filtered by 'RESULTS'. A 'Select All' checkbox is available. On the right, there are buttons for 'per page: 10 20 50' and 'Relevance'. The first result is a 'RESEARCH-ARTICLE' from November 2016 titled 'Dancing Computer: Computer Literacy through Dance' by Charles B. Owen, Laura Dillon, Alison Dobbins, Noah Keppers, and Madeline Levinson.

The screenshot shows the 'Saved Searches' section of the 'My Profile' page. It lists three saved searches: 'Human-Computer Interaction', 'Machine Learning', and 'All: cloud computing', each with its frequency ('Never'), save date ('Mar 25, 2020' or 'Jan 7, 2020'), last run date ('Mar 25, 2020'), and 'Run' and 'Edit' buttons. Red arrows point from the 'Machine Learning' and 'All: cloud computing' entries to the 'Run' button for the 'Machine Learning' entry.





## 4. 检索结果页面说明

- ✓ 细化检索结果选项：
  - 按人
  - 按出版信息
  - 按会议类型
  - 其他
  - ✓ 搜索结果中的文章及引文链接。

**1 按人搜索**

85,187 Results for: All: hci [Edit Search](#) [Save Search](#) [RSS](#)

Searched The ACM Full-Text Collection (657,234 records) | Expand your search to The ACM Guide to Computing Literature (3,087,347 records)

Showing 1 - 20 of 85,187 Results

per page: 10 20 50 Relevance

| RESULTS                             | VIDEOS | PERIODICALS | SOFTWARE | PEOPLE |
|-------------------------------------|--------|-------------|----------|--------|
| <input type="checkbox"/> Select All |        |             |          |        |

**2 按出版物类型搜索**

RESEARCH-ARTICLE December 2015

Transforming undergraduate HCI course in Indonesia: a preliminary study

Harry Budi Santoso, Eunice Sari

APCHUX '15: Proceedings of the Asia Pacific HCI and UX Design Symposium • December 2015, pp 55–59 • <https://doi.org/10.1145/2846439.2846451>

Most HCI-related courses offered by the universities in Indonesia are delivered using conventional face-to-face methods. This paper describes the preliminary findings from the implementation of active learning instructional strategies in a blended ...

2 141 Highlights

**4 文章链接**

ARTICLE November 2005

Servicing the HCI needs of large organisations

Megan Bauer, Graeme Laycock, Ryan Percival, Shane Morris

OZCHI '05: Proceedings of the 17th Australia conference on Computer-Human Interaction: Citizens Online: Considerations for Today and the Future • November 2005, pp 1–2

As a still-emerging field, Human-Computer Interaction (HCI) has enjoyed varying uptake within large organisations. Some organisations have established centralised groups to service HCI needs across the business. This panel aims to explore how three ...

0 200 Highlights

**3 按会议类型搜索**

ARTICLE April 2006

Real HCI: what it takes to do HCI engineering for disasters, driving, disruption, and distributed work

Stuart K. Card, Robin Murphy, John D. Lee, Judy Olson, William Newman



- ① 文章作者及简介
- ② 作者所属机构及简介
- ③ 文章链接
- ④ 文章引用
- ⑤ 快速文献统计
- ⑥ 全文链接
- ⑦ 出版导航器
- ⑧ 相关文章推荐

**ARTICLE**

## Real HCI: what it takes to do HCI engineering for disasters, driving, disruption, and distributed work

**Authors:** Stuart K. Card, Robin Murphy, John D. Lee, Judy Olson, William Newman [Authors Info & Claims](#)

CHI EA '06: CHI '06 Extended Abstracts on Human Factors in Computing Systems • April 2006 • Pages 57–60 • <https://doi.org/10.1145/1125451.1125467>

**Published:** 21 April 2006

**Recommended**

**ABSTRACT**

The current dependence of HCI practice on feature-level design and defect-oriented usability evaluation is hindering it from addressing persistent societal problems such as disaster search and rescue, driver distraction and communication failures. HCI has much to offer here in helping apply information technologies in effective, usable ways. But a fundamental issue in solving these persistent problems is ensuring that steady progress is made, and HCI can play a role here too, by characterizing the task, helping define the metrics for progress, providing the

**CHI EA '06: CHI '06 Extended Abstracts on Human Factors in Computing Systems**  
**Real HCI: what it takes to do HCI engineering...**  
 Pages 57–60

**ABSTRACT**  
[Index Terms](#)

**Feminist HCI: taking stock and outlining an agenda for design**  
 Feminism is a natural ally to interaction design, due to its central commitments to issues such as agency, fulfillment, identity,... [Read More](#)

**A theoretical agenda for feminist HCI**  
 HCI has a complex and often ambivalent attitude towards the issue of gender and interactive systems. Here I discuss three... [Read More](#)

## 5.文章引用页面说明





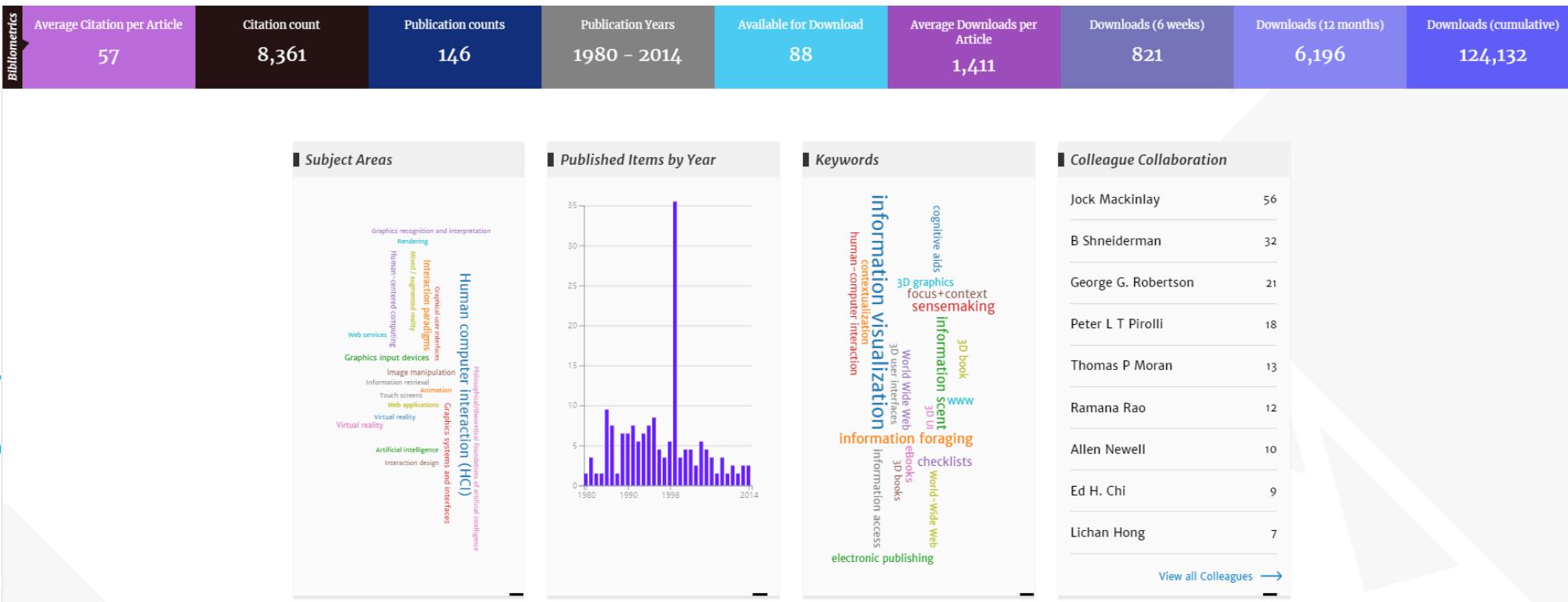
## 5.作者简介页面说明

The screenshot shows the ACM Digital Library author profile for Stuart K. Card. At the top, there's a search bar with the placeholder "Search within Stuart K. Card's work" and a green circular icon with the number "1". Below the header, the author's name "Stuart K. Card" is displayed in large white text on a blue background. To the right of the name is a search icon. Underneath the name, the text "Home > Stuart K. Card" is shown. The main content area features a circular profile picture of Stuart K. Card. Next to the picture, his name "Stuart K. Card" is listed with a green circular icon containing the number "2" above it. Below his name, it says "Stanford University • Palo Alto Research Center Incorporated". To the right of the profile picture are two small icons: one with the ACM logo and another with an envelope. Below the profile picture, there are five cards arranged horizontally. The first card is titled "Most frequent co-Author" and lists Jock Mackinlay from Palo Alto Research Center Incorporated. The second card is titled "Most cited colleague" and lists Wendy A. Kellogg from IBM Thomas J. Watson Research Center. The third card, which is highlighted with a red oval and has a green circular icon with the number "5" above it, is titled "Top subject" and lists "Human computer interaction (HCI)". The fourth card is titled "Top keyword" and lists "information visualization". The fifth card is titled "Most frequent Affiliation" and lists "Palo Alto Research Center Incorporated" with "83 Papers".

- ① 在作者作品中搜索
- ② 隶属机构
- ③ ACM获奖情况
- ④ 作者邮箱和网站链接
- ⑤ 主要课题领域和合作者



## 5.作者简介页面说明 (接上页)





- ① 在机构的研究范围内搜索
- ② 网站链接
- ③ 获奖者
- ④ 被引用次数最多的作者
- ⑤ 重点研究课题领域
- ⑥ 最重要的合作机构
- ⑦ 关键文献计量统计、机构合作者、随时间推移的文章产出、核心研究主题领域、机构层面被引用和下载最多的文章。

## 6. 机构简介页面说明

The screenshot shows the ACM Digital Library interface for Rice University. At the top, there's a search bar with the placeholder "Search for all publications from Rice University" and a magnifying glass icon. Below the search bar, the institution's name "Rice University" is displayed in large white text on a blue header. Underneath the header, the URL "Home > Rice University" is shown. The main content area features a circular profile picture of the university building, followed by the text "Rice University" and "Houston, TX, United States". To the right of the profile picture is a small green circle with the number "2". Below this section are several cards with statistical information:

- Award Winners** (3) | Sarita V. Adve | ACM-IEEE CS Ken Kennedy Award 2018 | [View author →](#)
- Most cited Author** (4) | Mark Sanderson | RMIT University | [View author →](#)
- Last year's Top subject** (5) | Computing organizations | [View research →](#)
- Last year's Top keyword** | All-optical | [View research →](#)
- Most Collaborations** (6) | Carnegie Mellon University | 54 Papers | [View Institution →](#)

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## 7.个性化功能

注册ACM DL账户后：

- ① 创建我的“Binders”，名称及简要描述。
- ② 导出引用资料
- ③ 分享“Binders”给同事和同学。
- ④ 复制“Binders”

The screenshot shows the 'My Binders' section of the ACM DL interface. At the top, there is a blue button labeled '+ Create a New Binder' with a small green notification bubble containing the number '1'. Below this, a table lists existing binders: 'My Reading List' (description: 'My Reading List', last modified: 'Mar 1, 2021 Me'). To the right of the table are 'Tools' buttons numbered 2, 3, and 4, and a 'Export Citation' button. A large blue callout bubble from the bottom left points to the '+ Create a New Binder' button.

**Create a New Binder**

Give your binder a name and a description (optional).

**Binder's Name**

My new Binder 256

**Description**

Write a description 2000

Cancel Create Binder





## 7.个性化功能 (接上页)

- ① 保存文章到我的“Binders”；
- ② 导出引用资料

The screenshot shows a research article from December 2015 titled "Transforming undergraduate HCI course in Indonesia: a preliminary study" by Harry Budi Santosa and Eunice Sari. The article is categorized as a RESEARCH-ARTICLE and is associated with APCHIUX '15: Proceedings of the Asia Pacific HCI and UX Design Symposium. The abstract discusses active learning instructional strategies in blended courses. At the top right, there are two red circles highlighting "Export Citations" and "Save to Binder". A red arrow points from the "Save to Binder" circle to the "Binders" icon in the customization menu at the bottom right. Another red arrow points from the "Export Citations" circle to the "Citations" icon in the same menu. The customization menu also includes icons for Highlights, Full Text, and other options.



- ① 分享给朋友和同学，填入邮箱即可。
- ② 已分享内容，有记录。

## 7.个性化功能（接上页）

### Sharing Options

My Reading List  
My Reading List

To share this binder, add a user's email address:

*Enter an email address here* Share

**Shared binder user listing**

Shared with 0 users.

| Email | Invite Date | Replied Date | Status |
|-------|-------------|--------------|--------|
|       |             |              |        |

close



A faint, light gray background illustration depicts two people from behind, seemingly focused on a computer screen. One person wears a white shirt and the other wears a dark shirt. The scene is set in a minimalist, modern office environment.

# Thank you!

