

# 美国计算机协会 Association for Computing Machinery

查尔斯沃思

# 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；

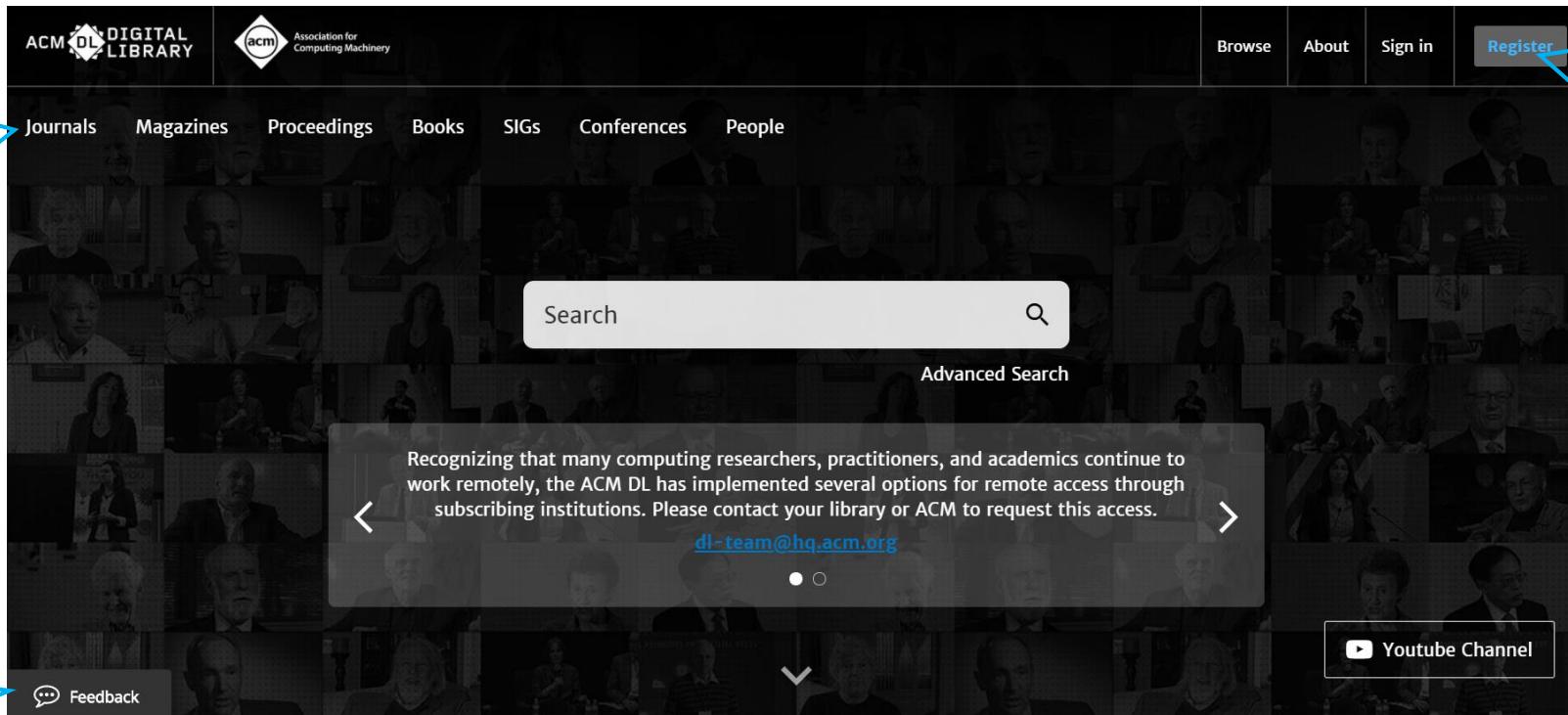
特别兴趣组每年在世界各地举办200场左右的会议、研讨会和论坛等。

- “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：

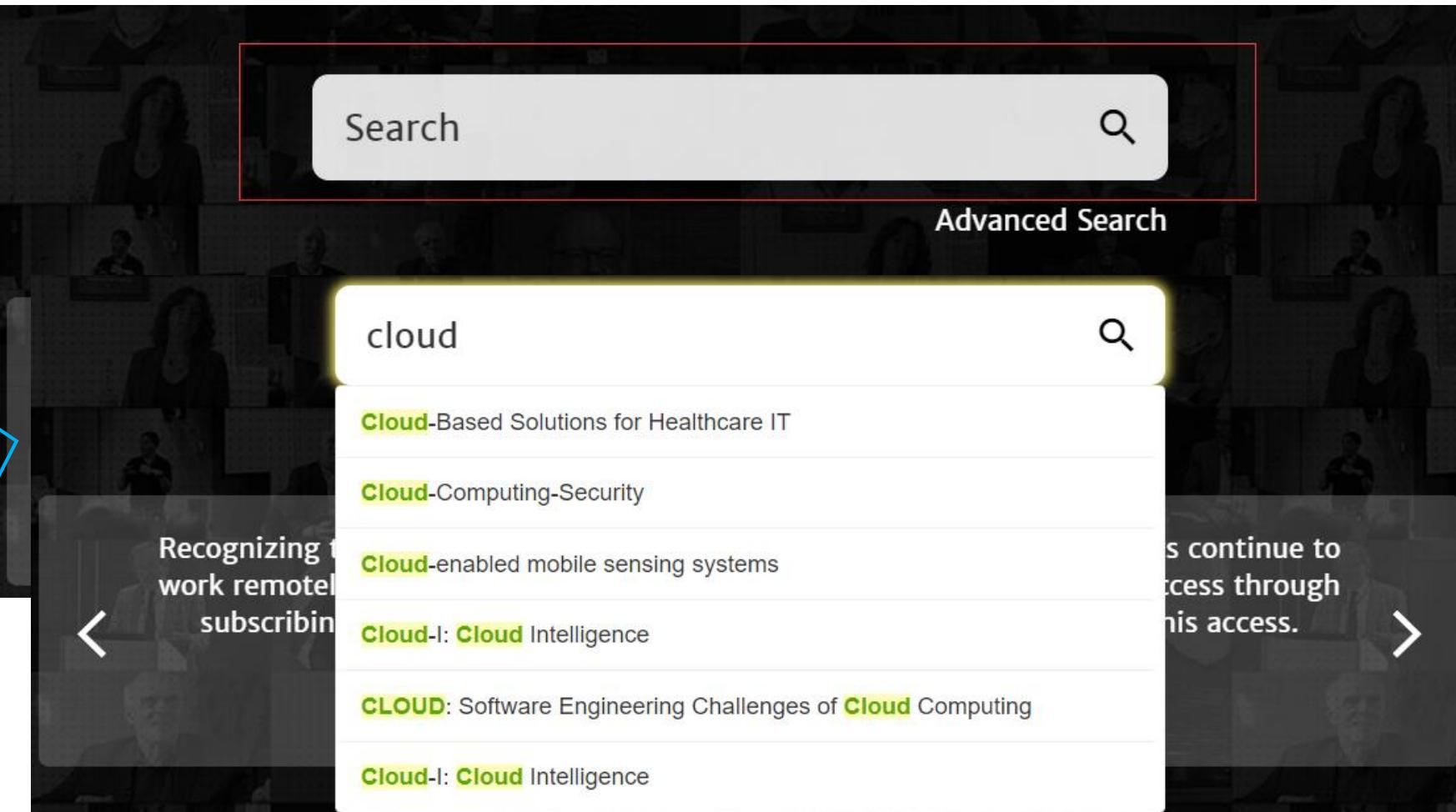
1. 创建个性化文件夹保存文章和笔记，可与朋友分享；
2. 保存检索结果和设置新内容提醒。

ACM数据库优酷  
网页链接。



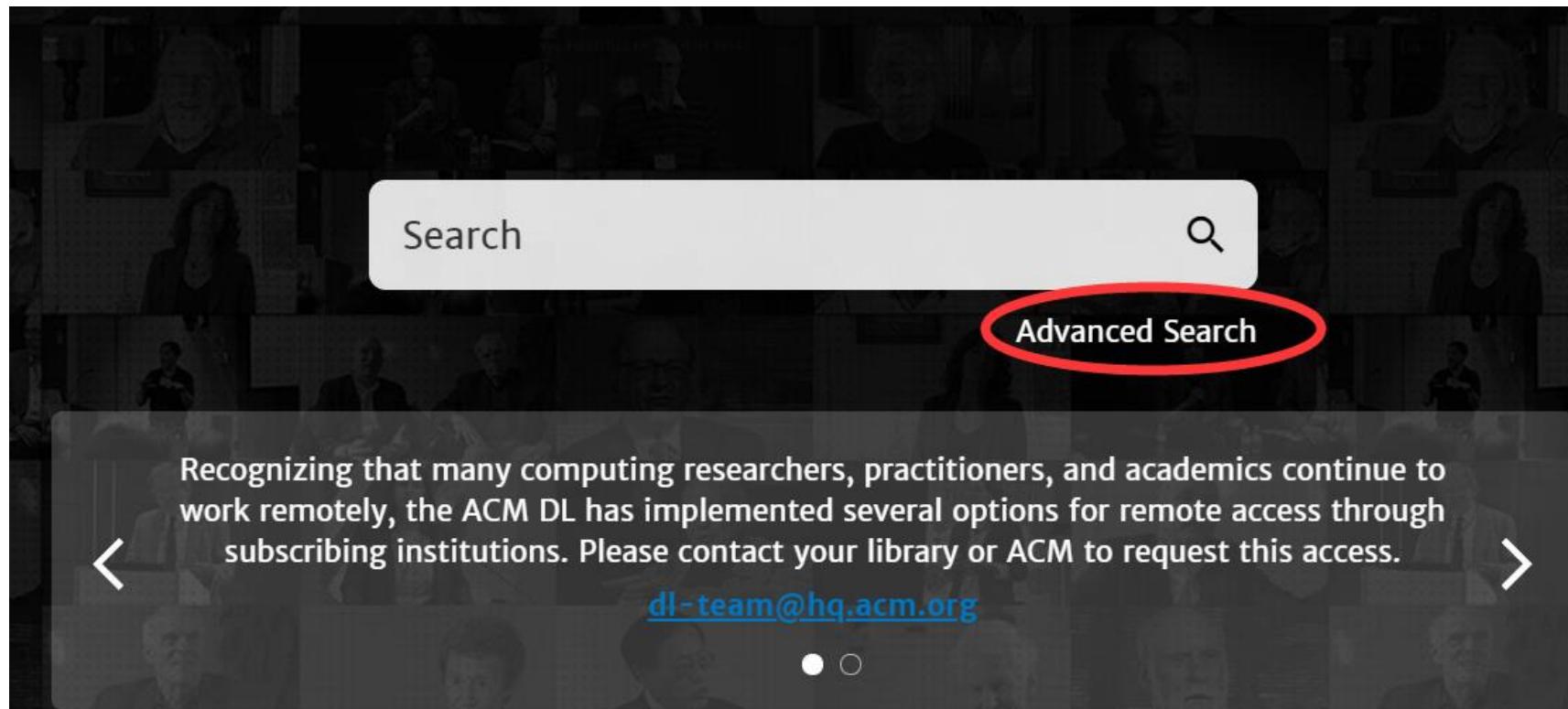
- ✓ 基础搜索框位于DL主页的顶部；
- ✓ 基础搜索在您输入时提供即时建议；
- ✓ 基础搜索允许搜索人物、出版物和内容；
- ✓ 基础搜索允许布尔运算符 AND、OR 和 NOT（使用大写字母）；
- ✓ 基础搜索框在DL屏幕上始终可用。

## 2. 基础检索



## 2. 高级检索

✓ 高级搜索就在基本搜索框的下面：



## 2. 高级检索 (接上页1)

- ✓ 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

- ✓ 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 ⓘ

Anywhere

Title

Publication Title

Author

Abstract

Full text

Author Affiliation

Author Keyword

Conference Location

Conference Sponsor

Name

ISBN/ISSN

DOI

Anywhere

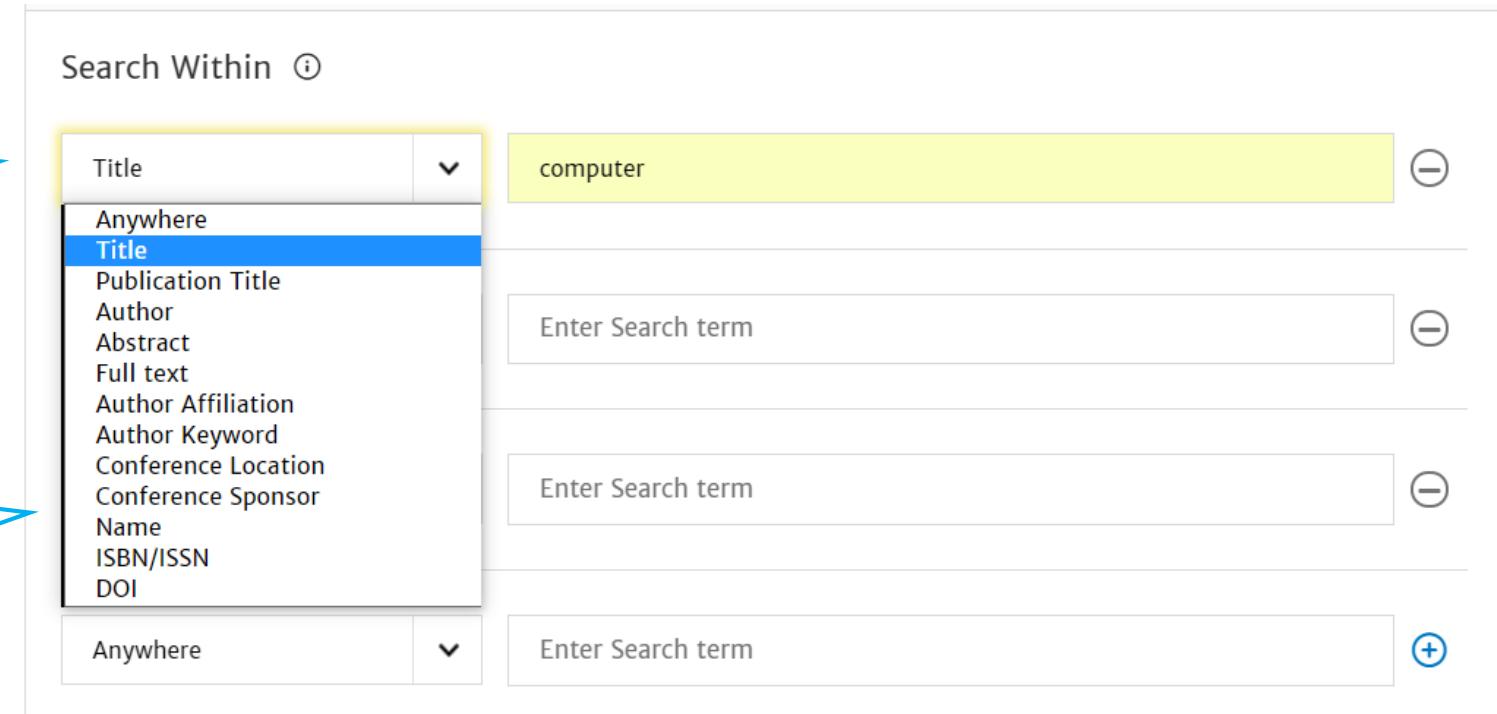
computer

Enter Search term

Enter Search term

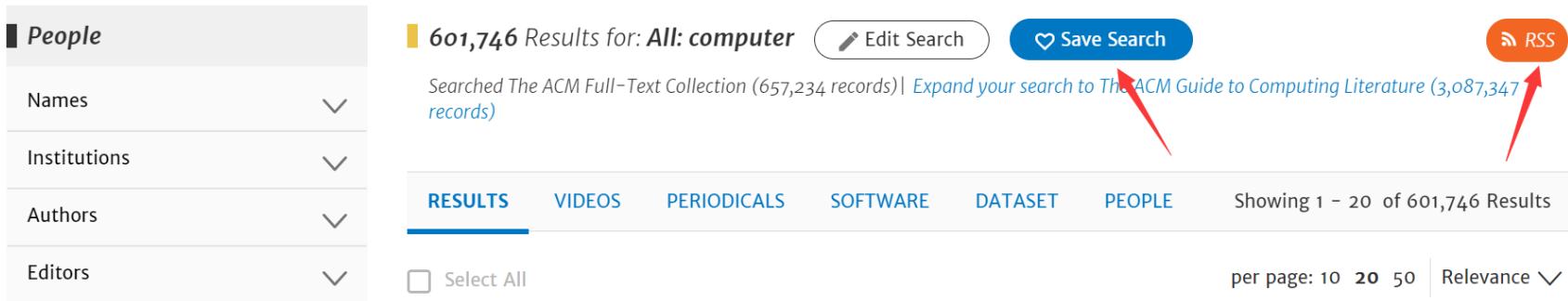
Enter Search term

+



- ✓ 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'. It includes a sidebar for 'People' (Names, Institutions, Authors, Editors, Advisors, Reviewers) and a main search results area with tabs for RESULTS, VIDEOS, PERIODICALS, SOFTWARE, DATASET, and PEOPLE. The RESULTS tab is selected, showing 601,746 results. A red arrow points to the 'Save Search' button. Another red arrow points to the 'RSS' icon in the top right corner.

RESULTS VIDEOS PERIODICALS SOFTWARE DATASET PEOPLE Showing 1 - 20 of 601,746 Results

per page: 10 20 50 Relevance ▾

RESEARCH-ARTICLE November 2016 Dancing Computer: Computer Literacy through Dance

Charles B. Owen, Laura Dillon, Alison Dobbins, Noah Keppers, Madeline Levinson,

**My Profile** My Binders Institutions Account

Saved Search Name	Frequency	Saved on	Last run on	Run
Human-Computer Interaction	Never	Mar 25, 2020	Mar 25, 2020	
Machine Learning	Never	Mar 25, 2020	Mar 25, 2020	
All: cloud computing	Never	Jan 7, 2020	Jan 7, 2020	

Saved Searches

## 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。

The screenshot shows the ACM Digital Library search results page for the query "All: hci". The results are filtered to show 85,187 items from the ACM Full-Text Collection (657,234 records). The interface includes a sidebar for refining results by People, Publications, and Conferences, and a main area for viewing individual search results.

**1 按人搜索**: Refinement options for People include Names, Institutions, Authors, Editors, and Reviewers. The results list includes a research article by Harry Budi Santoso and Eunice Sari.

**2 按出版物类型搜索**: Refinement options for Publications include Journal/Magazine Names, Proceedings/Book Names, All Publications, Content Type, Media Formats, Paper Award, and Publisher. The results list includes an article by Megan Bauer, Graeme Laycock, Ryan Percival, and Shane Morris.

**3 按会议类型搜索**: Refinement options for Conferences include Sponsors, Conference Event, and Proceedings Series. The results list includes an article by Stuart K. Card, Robin Murphy, John D. Lee, Judy Olson, and William Newman.

**4 文章链接**: A callout highlights the "Get Access" button for the first search result, which is a research article. The button is located in the bottom right corner of the result card.



- 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

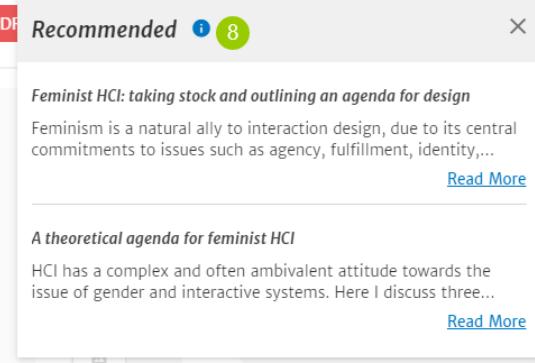
**Real HCI: what it takes to do HCI engineering for disasters, driving, disruption, and distributed work**

Authors: 1 Stuart K. Card, 2 Robin Murphy, 3 John D. Lee, 4 Judy Olson, 5 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

0 442 5

**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

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

## 5.作者简介页面说明

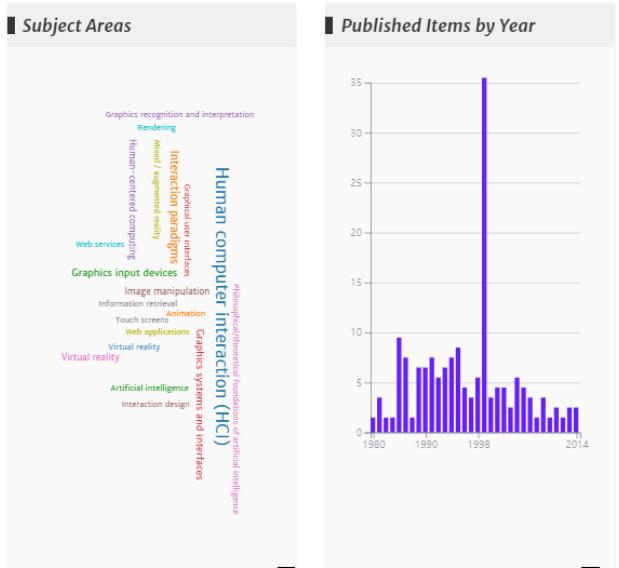
The screenshot shows the ACM Digital Library author profile for Stuart K. Card. The top navigation bar is blue with the name 'Stuart K. Card'. A search bar on the right contains the text 'Search within Stuart K. Card's work' and a magnifying glass icon. A green circle with the number '1' is placed over the search bar. Below the navigation is a breadcrumb trail 'Home > Stuart K. Card'. The main content area features a circular profile picture of Stuart K. Card, his name 'Stuart K. Card' with a green circle containing the number '2', and his affiliation 'Stanford University . Palo Alto Research Center Incorporated'. A green circle with the number '3' is placed over the Stanford University link. Below this are several sections: 'Most frequent co-Author' (Jock Mackinlay, Palo Alto Research Center Incorporated), 'Most cited colleague' (Wendy A. Kellogg, IBM Thomas J. Watson Research ...), 'Top subject' (Human computer interaction (HCI), circled in red with a green '5'), 'Top keyword' (information visualization), and 'Most frequent Affiliation' (Palo Alto Research Center Incorporated, 83 Papers). A green circle with the number '4' is placed over the mail icon in the co-author section.

- 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 关键文献计量数据
- ② 详细的学科领域和合作者
- ③ 最新出版物
- ④ 被引用和下载次数最多的文章。

Bibliometrics	Average Citation per Article	Citation count	Publication counts	Publication Years	Available for Download	Average Downloads per Article	Downloads (6 weeks)	Downloads (12 months)	Downloads (cumulative)
	57	8,361	146	1980 - 2014	88	1,411	821	6,196	124,132



Colleague Collaboration	
Jock Mackinlay	56
B Shneiderman	32
George G. Robertson	21
Peter L T Pirolli	18
Thomas P Moran	13
Ramana Rao	12
Allen Newell	10
Ed H. Chi	9
Lichan Hong	7

- 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。

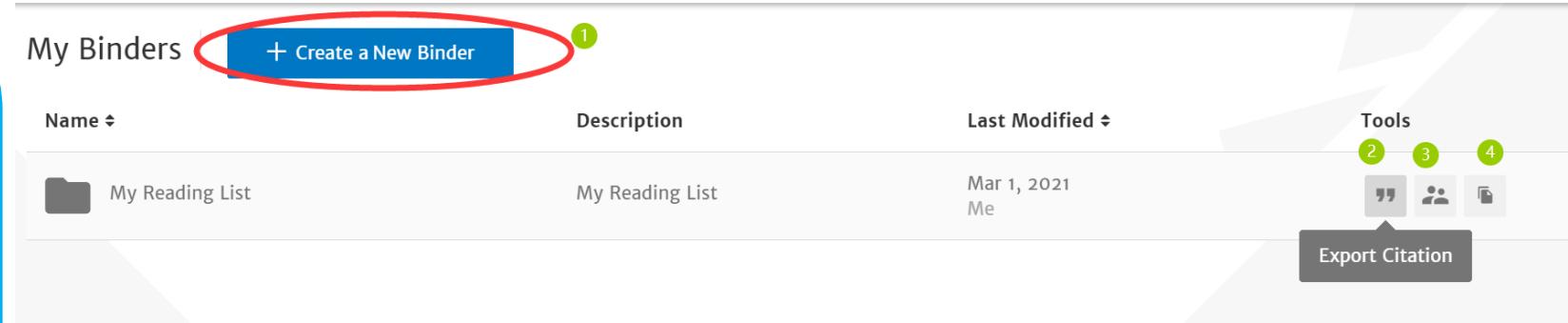
## 6. 机构简介页面说明

The screenshot shows the ACM Digital Library interface for Rice University. At the top, the title 'Rice University' is displayed in a large, bold, white font on a blue header bar. Below the title, a search bar contains the text 'Search for all publications from Rice University' with a green '1' badge indicating new results. The main content area features a large image of the Rice University building icon, followed by the text 'Rice University' and 'Houston, TX, United States'. Below this, there are several sections: 'Award Winners' (3) featuring Sarita V. Adve, 'Most cited Author' (4) featuring Mark Sanderson from RMIT University, 'Last year's Top subject' (5) featuring 'Computing organizations' in orange, 'Last year's Top keyword' (6) featuring 'All-optical' in orange, and 'Most Collaborations' (7) featuring Carnegie Mellon University with 54 papers. Each section includes a 'View author' or 'View research' link.

## 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 red oval and a green number '1' above it. Below this, there is a table with columns for Name, Description, and Last Modified. One entry is visible: 'My Reading List' with 'My Reading List' in the description and 'Mar 1, 2021 Me' in the last modified column. On the right side, there is a 'Tools' section with four icons (2, 3, 4) and a 'Export Citation' button. A large blue arrow points from the 'Create a New Binder' button in the main interface down to a 'Create a New Binder' dialog box.

**Create a New Binder**

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

**Binder's Name**

256

**Description**

2000

**Cancel** **Create Binder**

## 7.个性化功能 (接上页)

RESEARCH-ARTICLE December 2015

Transforming undergraduate HCI course in Indonesia: a preliminary study

Harry Budi Santosa, Eunice Sari

APCHIUX '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 A Highlights

Export Citations  Save to Binder

per page: 10 20 50 Relevance

”    Full Text

① 保存文章到我的“Binders”；  
② 导出引用资料

## 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

- ① 分享给朋友和同学，填入邮箱即可。
- ② 已分享内容，有记录。



A faint, grayscale background image of a person sitting at a desk, looking at a computer screen. The person is wearing a light-colored shirt and a dark tie. The computer monitor is visible in the foreground, and the background shows a window with a view of the outdoors.

# Thank you!