

# 美国计算机协会 Association for Computing Machinery

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# 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；

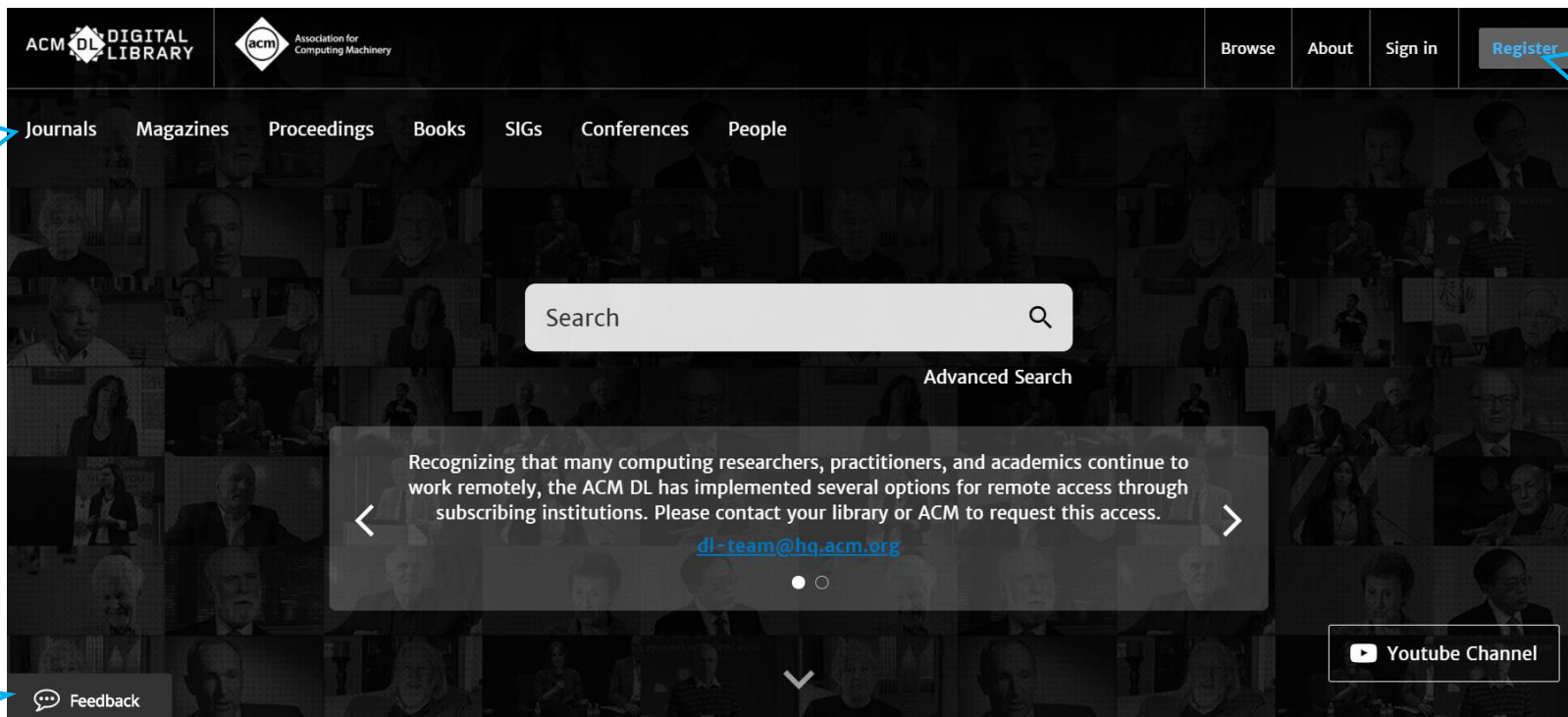
侧重领域：人工智能、应用计算机学、人机互动、设计自动化等；

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。



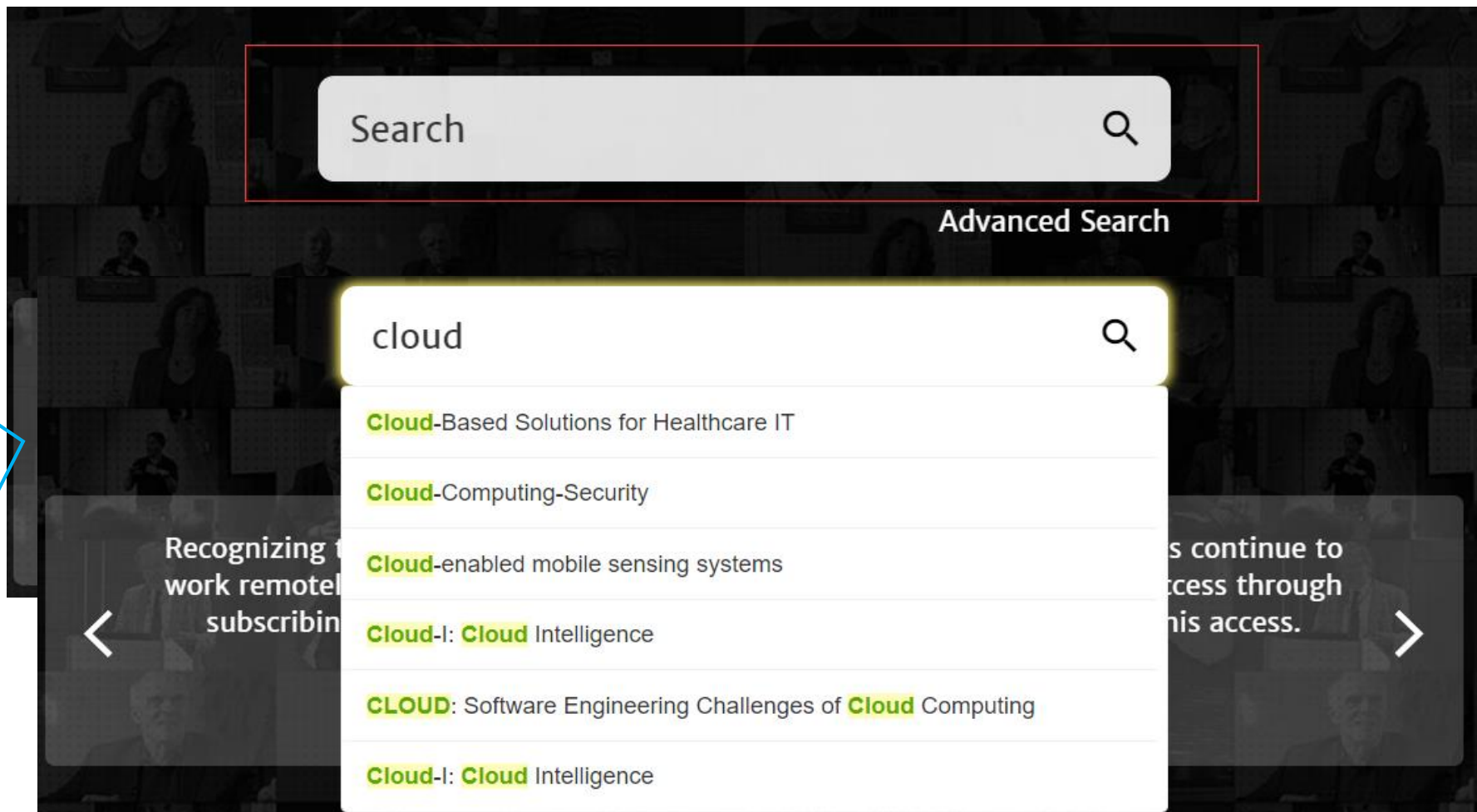
“注册”个人账号：  
1. 创建个性化文件夹保存文章和笔记，可与朋友分享；  
2. 保存检索结果和设置新内容提醒。

页面反馈意见

ACM数据库优酷网页链接。

## 2. 基础检索

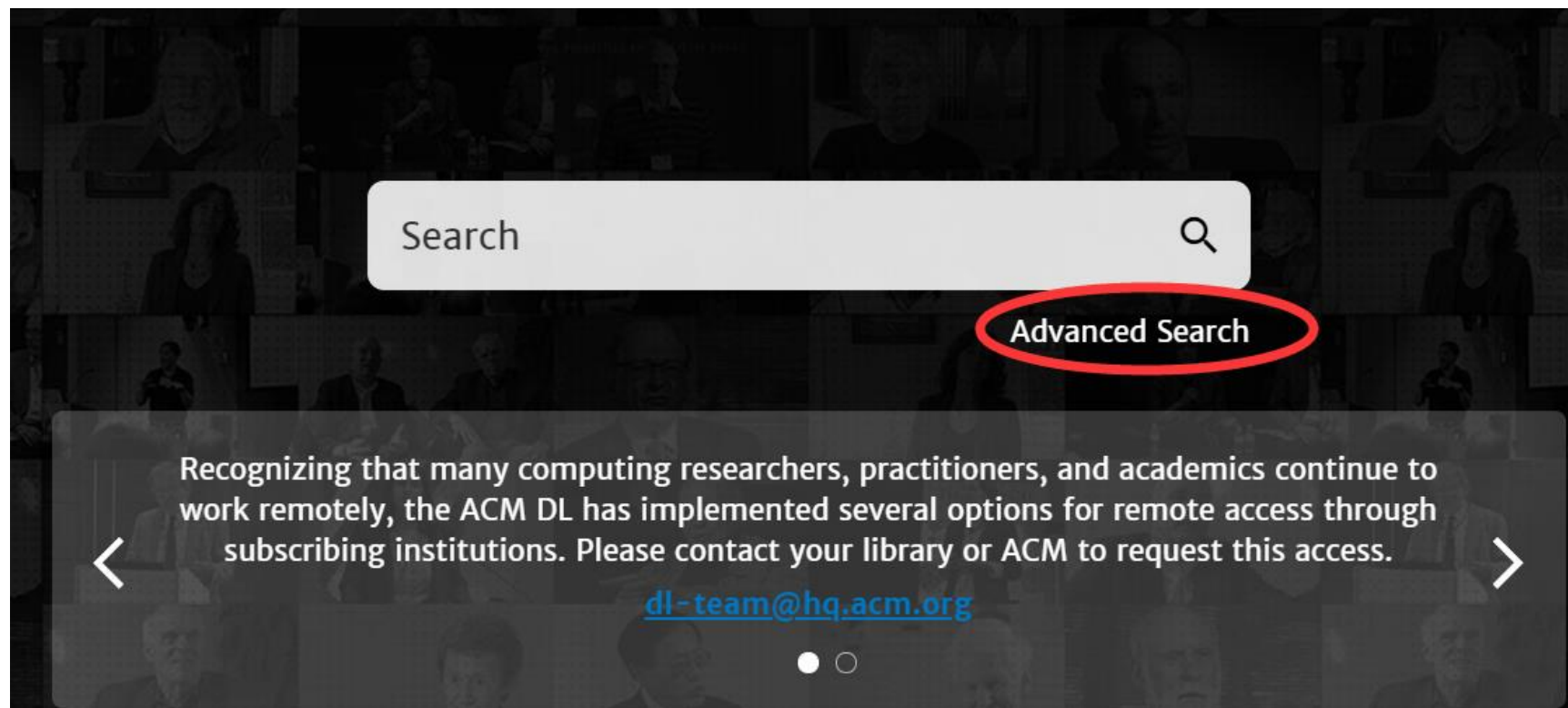
- ✓ 基础搜索框位于DL主页的顶部；
- ✓ 基础搜索在您输入时提供即时建议；
- ✓ 基础搜索允许搜索人物、出版物和内容；
- ✓ 基础搜索允许布尔运算符AND、OR和NOT（使用大写字母）；
- ✓ 基础搜索框在DL屏幕上始终可用。





## 2.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。

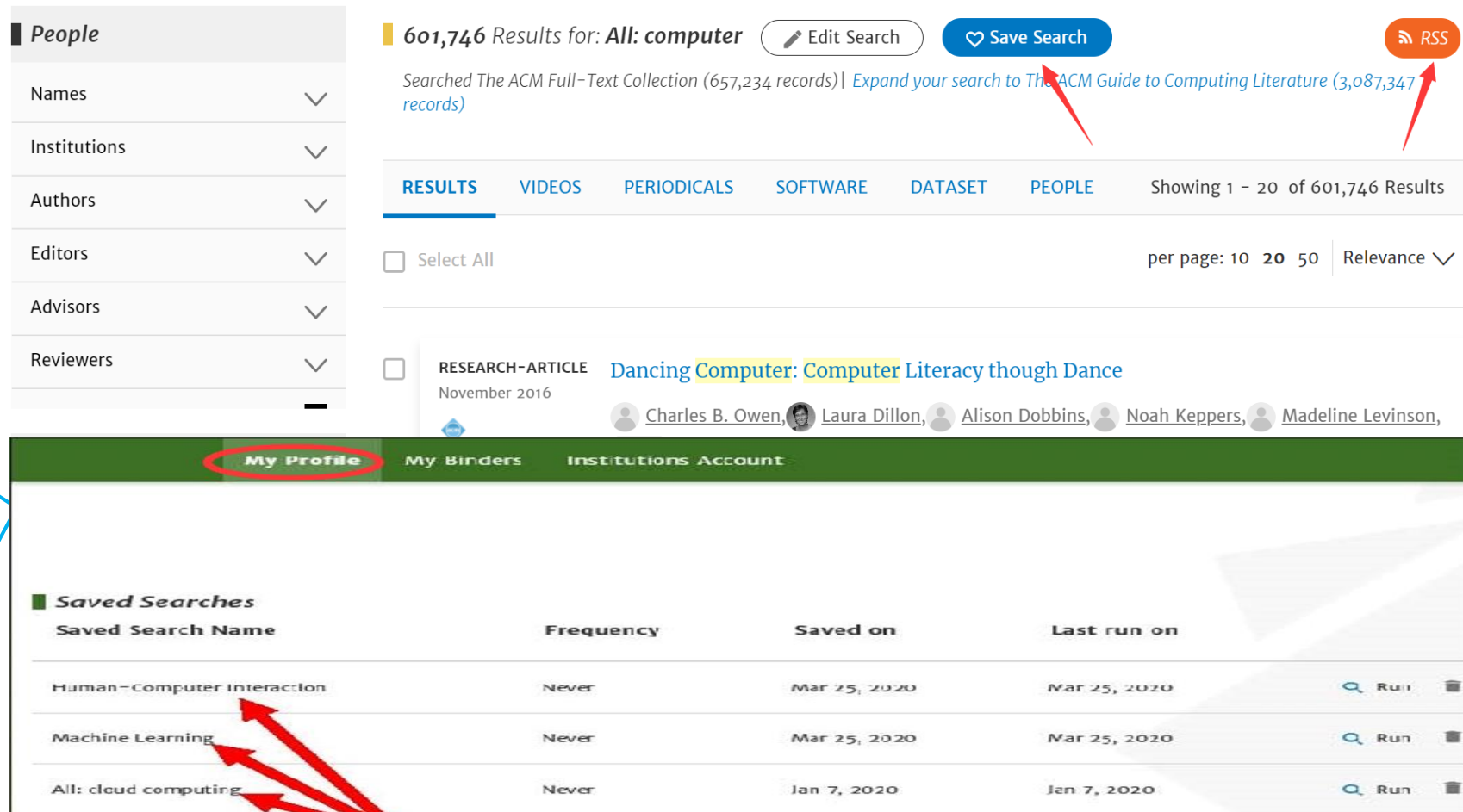
Search Within ⓘ

Title	▼	computer	⊖
Anywhere			
Title			
Publication Title			
Author			
Abstract			
Full text			
Author Affiliation			
Author Keyword			
Conference Location			
Conference Sponsor			
Name			
ISBN/ISSN			
DOI			
Anywhere	▼	Enter Search term	⊕



### 3. 保存检索结果

- ✓ 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。



The screenshot displays the ACM DL search interface. At the top, a search bar shows '601,746 Results for: All: computer'. Below the search bar, there are tabs for 'RESULTS', 'VIDEOS', 'PERIODICALS', 'SOFTWARE', 'DATASET', and 'PEOPLE'. The 'RESULTS' tab is selected, showing a list of search results. The first result is a 'RESEARCH-ARTICLE' titled 'Dancing Computer: Computer Literacy though Dance' by Charles B. Owen, Laura Dillon, Alison Dobbins, Noah Keppers, and Madeline Levinson.

On the left side, there is a 'People' section with a list of roles: Names, Institutions, Authors, Editors, Advisors, and Reviewers. Each role has a dropdown arrow.

At the bottom, there is a 'My Profile' section. It contains a table of 'Saved Searches' with columns: Saved Search Name, Frequency, Saved on, Last run on, and a 'Run' button. The table lists three searches: 'Human-Computer Interaction', 'Machine Learning', and 'All: cloud computing'. Red arrows point from the text in the left sidebar to the 'My Profile' section and the 'Saved Searches' table.

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

## 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 DL search results page for the query "hci". The page displays 85,187 results. The left sidebar contains filters for People, Publications, and Conferences. The main results area shows a list of articles, including "Transforming undergraduate HCI course in Indonesia: a preliminary study" and "Servicing the HCI needs of large organisations". Annotations highlight specific features:

- 1 按人搜索**: Points to the "People" filter section.
- 2 按出版物类型搜索**: Points to the "Publications" filter section.
- 3 按会议类型搜索**: Points to the "Conferences" filter section.
- 4 文章链接**: Points to the article title "Transforming undergraduate HCI course in Indonesia: a preliminary study".

## 5.文章引用页面说明

- 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

0 442



Recommended

8



*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](#)

CHI EA '06: CHI '06  
Extended Abstracts o...  
Real HCI: what it takes  
to do HCI engineering...  
Pages 57–60

[Previous](#) [Next](#)

ABSTRACT

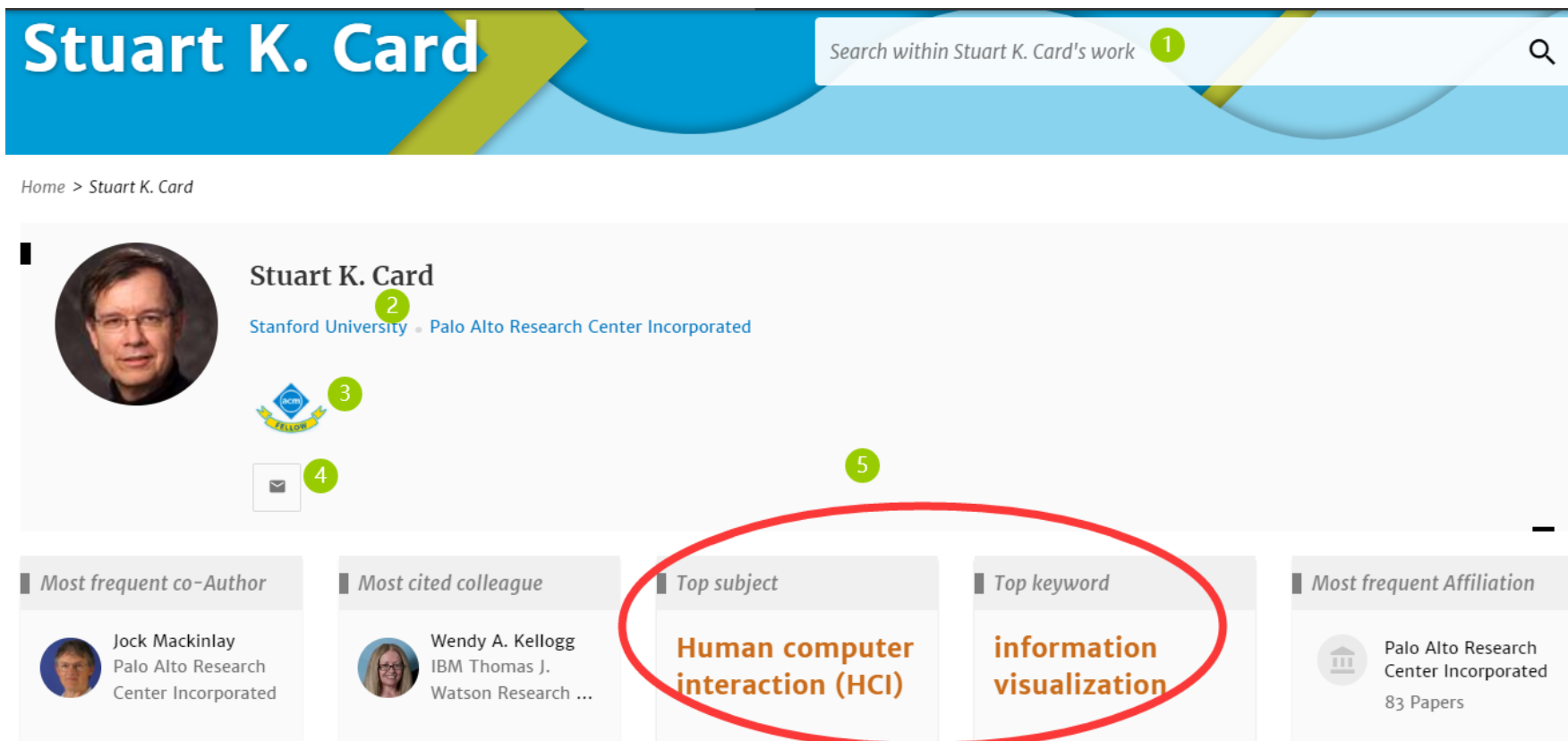
[Index Terms](#)

#### 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

## 5. 作者简介页面说明

- 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



The screenshot shows the ACM DL profile page for Stuart K. Card. The page layout includes a header with the author's name and a search bar, a main section with a profile picture, name, and affiliations, and a bottom section with five key metrics. Annotations 1 through 5 are placed on the page to correspond with the list on the left.

Stuart K. Card

Search within Stuart K. Card's work 1




Home > Stuart K. Card

Stuart K. Card 2  
Stanford University • Palo Alto Research Center Incorporated

ACM Awardee 3

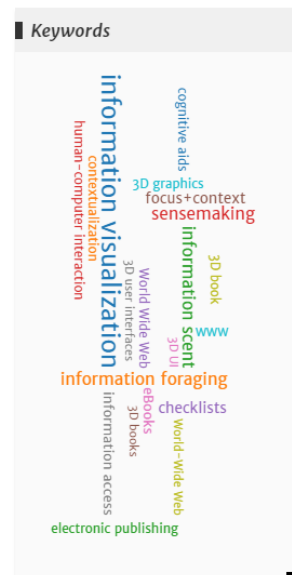
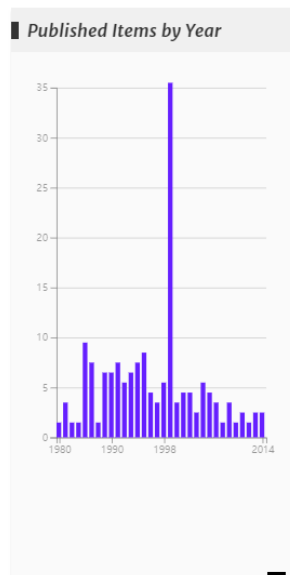
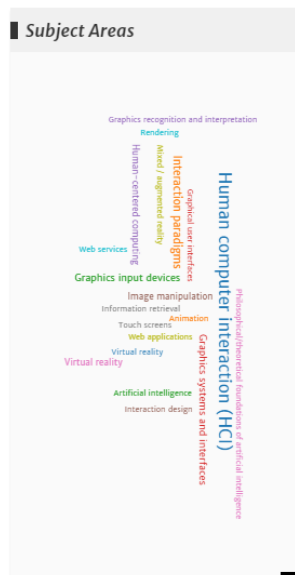
Email 4

5


Most frequent co-Author	Most cited colleague	Top subject	Top keyword	Most frequent Affiliation
 Jock Mackinlay Palo Alto Research Center Incorporated	 Wendy A. Kellogg IBM Thomas J. Watson Research ...	<b>Human computer interaction (HCI)</b>	<b>information visualization</b>	 Palo Alto Research Center Incorporated 83 Papers

- 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

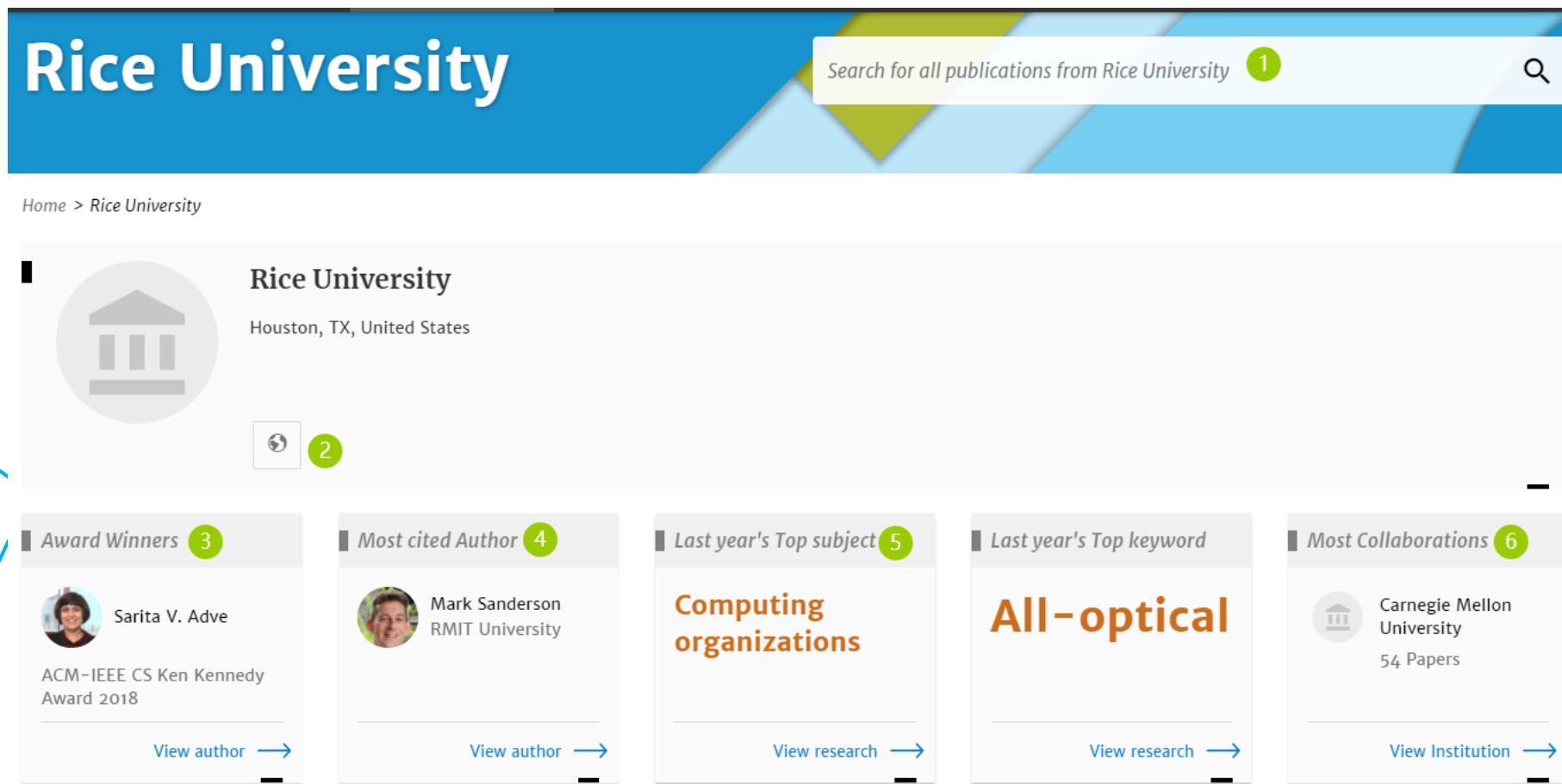


Colleague Collaboration	
Jock Mackinlay	56
B Shneiderman	32
George G. Robertson	21
Peter L T Pirolli	18
Thomas P Moran	13
Ramana Rao	12
Allen Newell	10
Ed H. Chi	9
Lichan Hong	7

[View all Colleagues](#) 

## 6. 机构简介页面说明

- 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。



**Rice University**  
Houston, TX, United States

Search for all publications from Rice University 1

Home > Rice University

**Rice University**  
Houston, TX, United States

2

**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 →




## 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”

My Binders **+ Create a New Binder** <sup>1</sup>

Name ↕	Description	Last Modified ↕	Tools
 My Reading List	My Reading List	Mar 1, 2021 Me	<div>Tools</div> <div>2 3 4</div> <div>“ ”</div> <div>Export Citation</div>

---

### Create a New Binder

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

**Binder's Name**

| 256

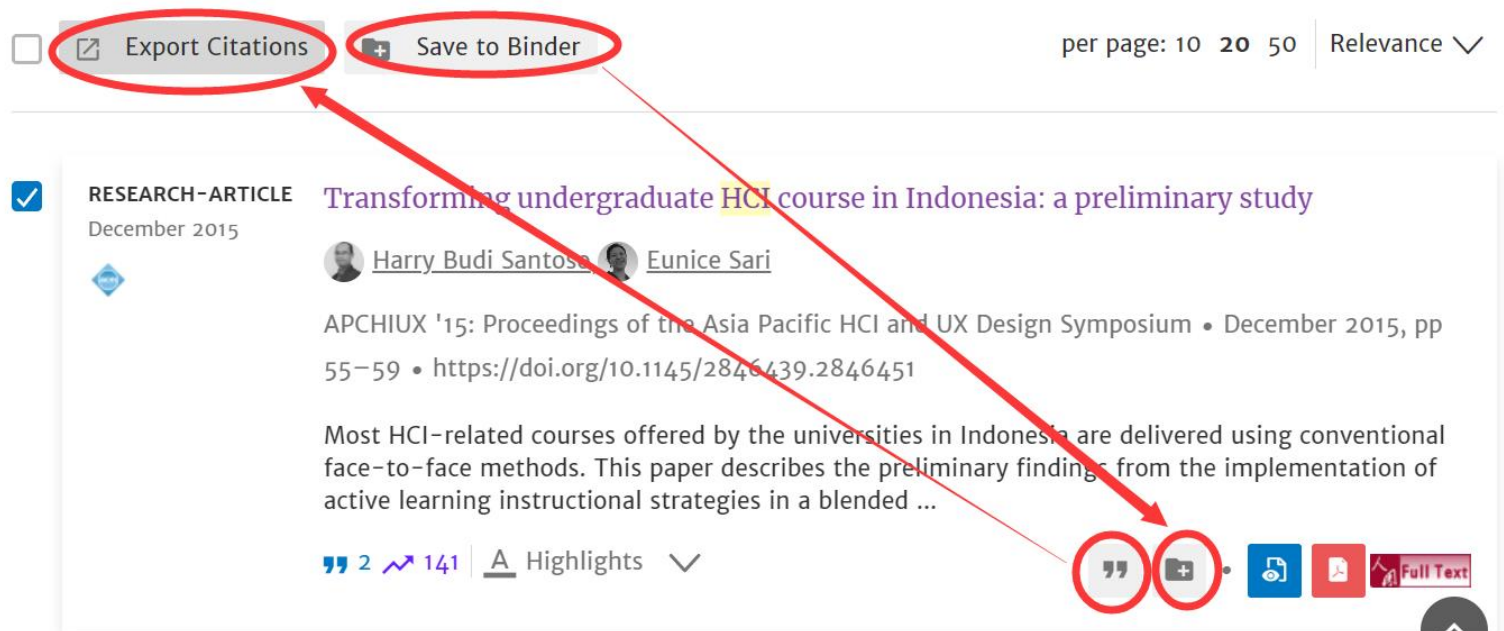
**Description**

| 2000

Cancel Create Binder

## 7. 个性化功能（接上页）

- ① 保存文章到我的“Binders”；
- ② 导出引用资料




The screenshot shows the ACM DL interface for a research article. At the top, there are two buttons: "Export Citations" and "Save to Binder", both of which are circled in red. To the right of these buttons, there is a dropdown menu for "per page" with options 10, 20, and 50, and a "Relevance" dropdown. Below the buttons, the article title "Transforming undergraduate HCI course in Indonesia: a preliminary study" is displayed, along with the authors "Harry Budi Santosa" and "Eunice Sari". The article is dated "December 2015". The abstract text is visible, starting with "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 ...". At the bottom of the article, there are icons for citation (2), highlights (141), and a "Full Text" button. Two red arrows originate from the "Save to Binder" button and point to the "Full Text" button and the "Highlights" icon.

## 7. 个性化功能（接上页）

- ① 分享给朋事和同学，填入邮箱即可。
- ② 已分享内容，有记录。

### Sharing Options

 *My Reading List*  
*My Reading List*

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

Share

### Shared binder user listing

Shared with 0 users.

Email

Invite Date

Replied Date

Status

close



# Thank you!