



Seminar of Innovation in Technological
and Scientific Information

The Evolving Academic Library: A Key Partner in Society

Peter Sidorko
Deputy University Librarian
The University of Hong Kong

Santo Domingo
Dominica Republic

24 March 2010



Overview

- About me, my university, my library
- Key trends for a 21st Century Academic Library
- Challenging times
- Bringing collections to life
- Partnerships
- The future

Context: Some introductory
comments

About Me

- Australian
- Deputy University Librarian at The University of Hong Kong
- Previously Program Manager, Client Services, The University of Newcastle (integrated library and IT)
- 26 Years academic library experience
- Part time lecturer at HKU Library and Information Science programs – subjects include: library supervision and management; information policy; professional development and change, etc.

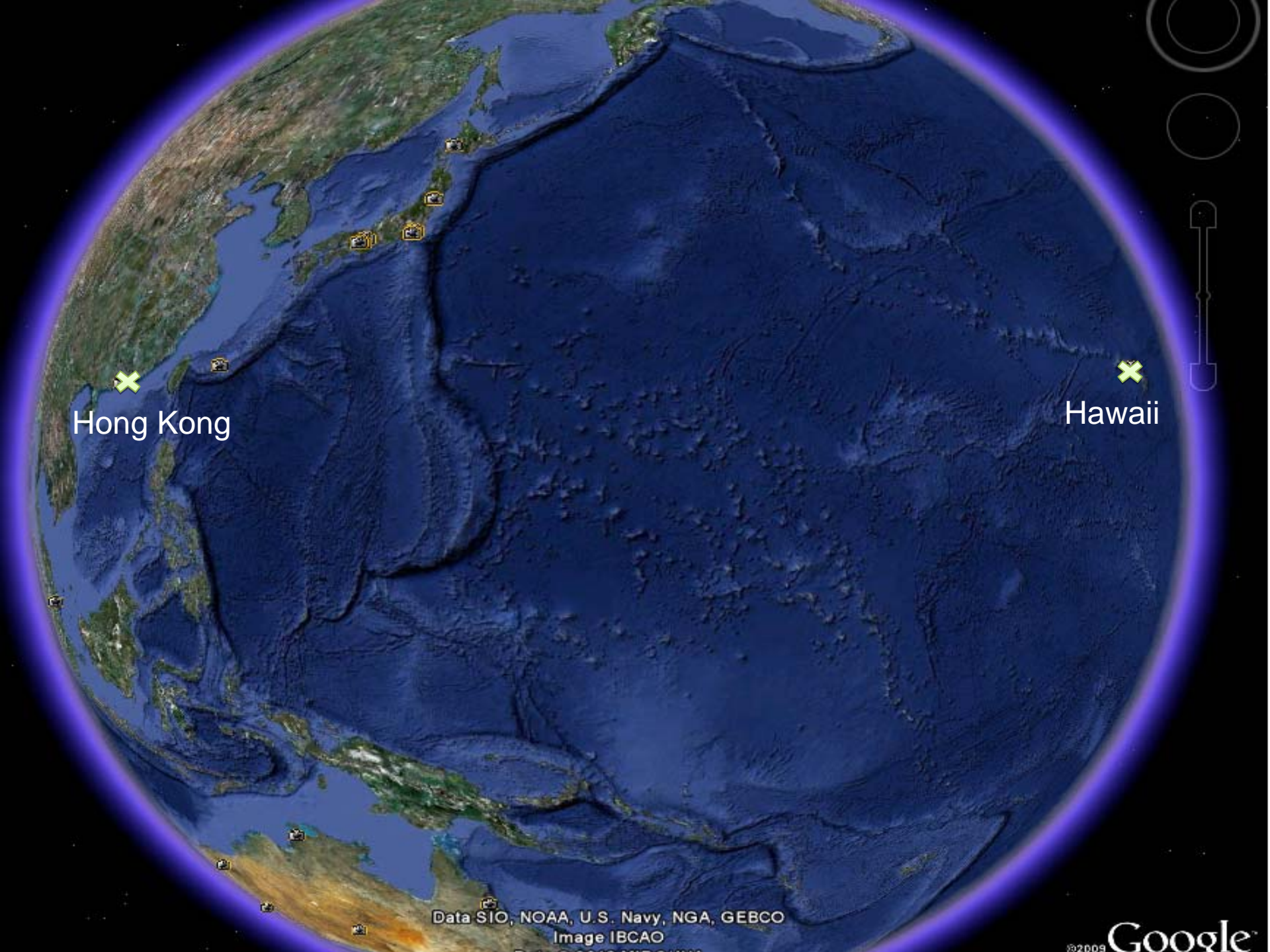


X
Hawaii

X
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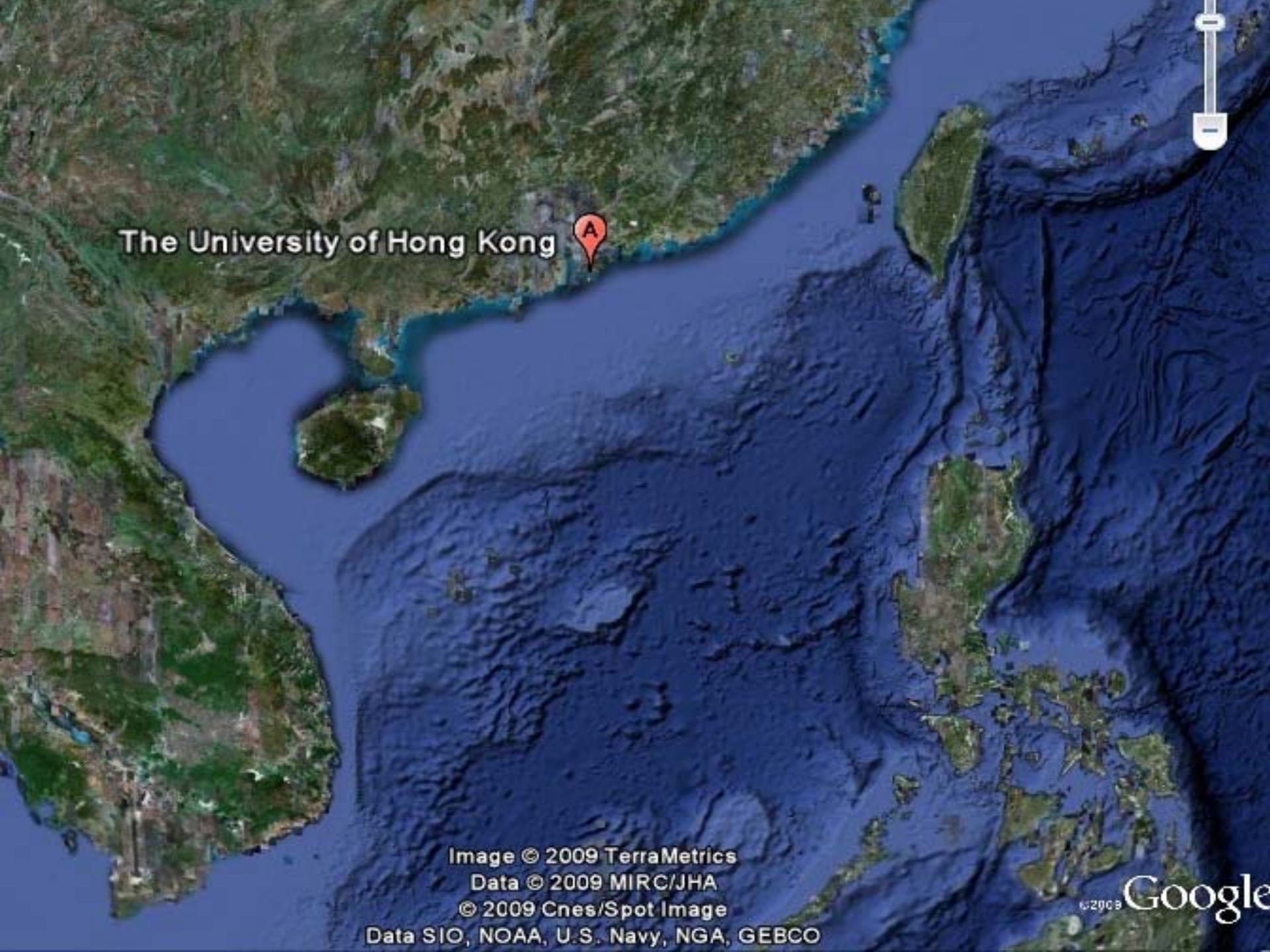


Hong Kong

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hong kong

HKU



HKU

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Main Library

HKU

HKU





The University



- Evolved from the Hong Kong College of Medicine, founded in 1887
- Founded 1912
- Multidisciplinary/comprehensive - undergraduate & postgraduate
- 22,000 students (Government & self funded)
- 111,000 students (Continuing education school)
- Ranked **24** in the world's **top** universities (THES, 2009), 18th in 2007
- Ranked **1** university in Asia (Quacquarelli Symonds, May 2009)

Main Building -- the Library 1915



The Library today

- 1 Main Library (arts, architecture, humanities, science and technology, social sciences)
- 6 branches (Dental, Education, Law Medical, Music and Chinese)
- ca 235 staff including 33 professionals

Main Library





KNOWLEDGE
NAVIGATION CENTRE





余允彥醫學圖書館
YU CHUN KIANG MEDICAL LIBRARY

CUHK
The Chinese University of Hong Kong
New Faculty Complex
3/F, 389, Queen's Road East, HONG KONG

Content

- 2,729,901 physical volumes
- 1,895,309 e-books
- 57,862 e-journal subscriptions
- 707 databases
- Many locally created databases

The HKUL Digital Initiatives, through its digitization projects, has opened up online access to local collections originally in print format. The first HKUL Digital Initiative, ExamBase, was launched in 1996 and other projects of scholarly interests were subsequently introduced. More digital projects are being developed to provide continuous access to digital content and services.



HKUL Digital Initiatives

- Basic Law Drafting History Online
- Beijing Historical Geography Database 北京歷史地理數據庫 **HKU ONLY**
- China Through Western Eyes
- Chinese Collectanea in Japanese Libraries 日本見藏中國叢書目錄
- Community Health Projects **NEW**
- Digital Editions from HKU Press **HKU ONLY**
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- Fung Ping Shan Library Rare Book Catalogue
- Historical Laws of Hong Kong Online
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- Hong Kong Newspaper Clippings Online
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- Hong Kong Stock Market Archives and Artifacts Collection
- Hong Kong Tourism Board Collection
- Hong Kong Table of Contents Database
- Hong Kong University Theses Online
- The Last Governor Online **HKU ONLY**
- Sun Yat-sen in Hong Kong 孫中山在香港
- Translations from Chinese
- Union Catalogue of Overseas Chinese Collection in HKU and JU 華僑華人研究書目庫

Budget Shift towards Electronic

Year	% of Materials Budget
01/02	12%
02/03	21%
03/04	29%
04/05	42%
05/06	48%
06/07	50%
07/08	56%
08/09	59%
09/10	71%

Services and usage

- 102,401 registered users including 46,891 alumni
- 1.6 million physical volumes re-shelved last year (1.2 million checked out, 400,000 read in-house)
- 180 million hits on our website last year
- E-resources accessed 3.7 million times
- 14,000+ enrollments in our information skills classes
- Answered 70,000 reference questions including 2,881 sent in by email
- 24,124 sqm

Major challenges

- Lack of **collections space**. Annually have to store 90,000+ volumes in remote storage (Hingwai and Main Storage)
- Lack of **library resources fund** budget increases. Annually in deficit situation. Relying upon rapidly dwindling carry over funds from previous years.
- Insufficient **overall funding** for the Libraries once our carry over funds are exhausted
- Complications related to our **moving from print to digital** world
- Need for better **trained library staff** (now have 32 professionals – down from 44 seven years ago)
- Introduced **RFID - world's largest academic library RFID implementation**
- **Knowledge exchange and open access**

Key trends for a 21st Century Academic Library

Key trends for a 21st Century Academic Library*

- **Customization and personalization**
- Delivering content, services **anywhere, anytime**
- Demand for **self-service**
- **Constant change**, and innovative and hybrid approaches and structures
- Successful graduates and productive faculty as **key measures of success (RoI)**

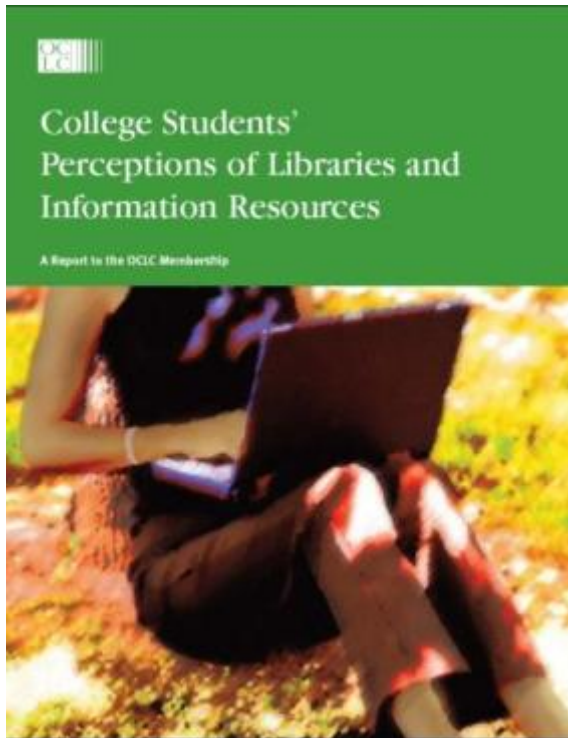
- Expanding **social environments**
- Culture of **assessment and accountability**
- Need to **market** content and services and to raise their awareness and availability
- **Collaboration** at all levels
- **Competition** for funding, for collections, for staff, for donors, for political attention and for visibility

* Neal, J. & Harboe-Ree, C. (2009) *The University of Hong Kong External Review of the University Libraries* [Unpublished Manuscript].

Where do you start your information search?

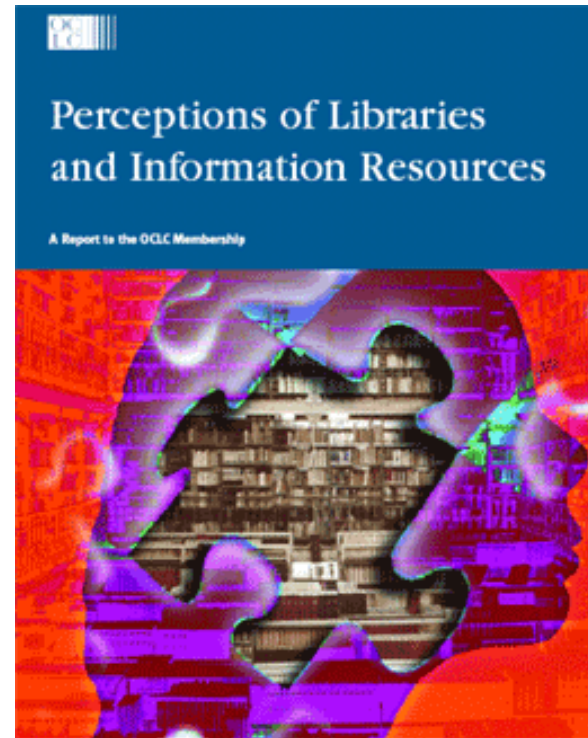
College

- Search engines (72%).
- Library web site (2%)



Everybody

- Search engines (84%).
- Library web site (1%)



Perceptions and habits

- **Quality and quantity** of information are top determinants of a satisfactory information search. Search engines are rated higher than librarians.
- The criterion selected by most information consumers to evaluate electronic resources is that the **information is worthwhile. Free is a close second. Speed has less impact.**
- Respondents **do not trust** purchased information more than free information.
- Library users like to **self-serve**. Most respondents do not seek assistance when using library resources.

Libraries

- ***“Books” is the library brand.*** Borrowing books is the number 1 service.
- Most information consumers ***are not aware of, nor do they use, most libraries’ electronic information resources.***
- ***Only 10 percent of college students indicated that their library’s collection fulfilled their information needs*** after accessing the library Web site from a search engine.
- People trust what they find using search engines. They also trust information from libraries. They ***trust them about the same.***
- ***Search engines fit the information consumer’s lifestyle better than physical or online libraries***



Students' Use of Research Content in Teaching and Learning

A report for the Joint Information
Systems Council (JISC)
2009

by Stuart Hampton-Reeves, Claire Mashiter, Jonathan Wimbaway,
Peter Lumsden, Helen Day, Helen Hewerison and Anna Hart

Produced by the Centre for Research-informed Teaching,
University of Central Lancashire

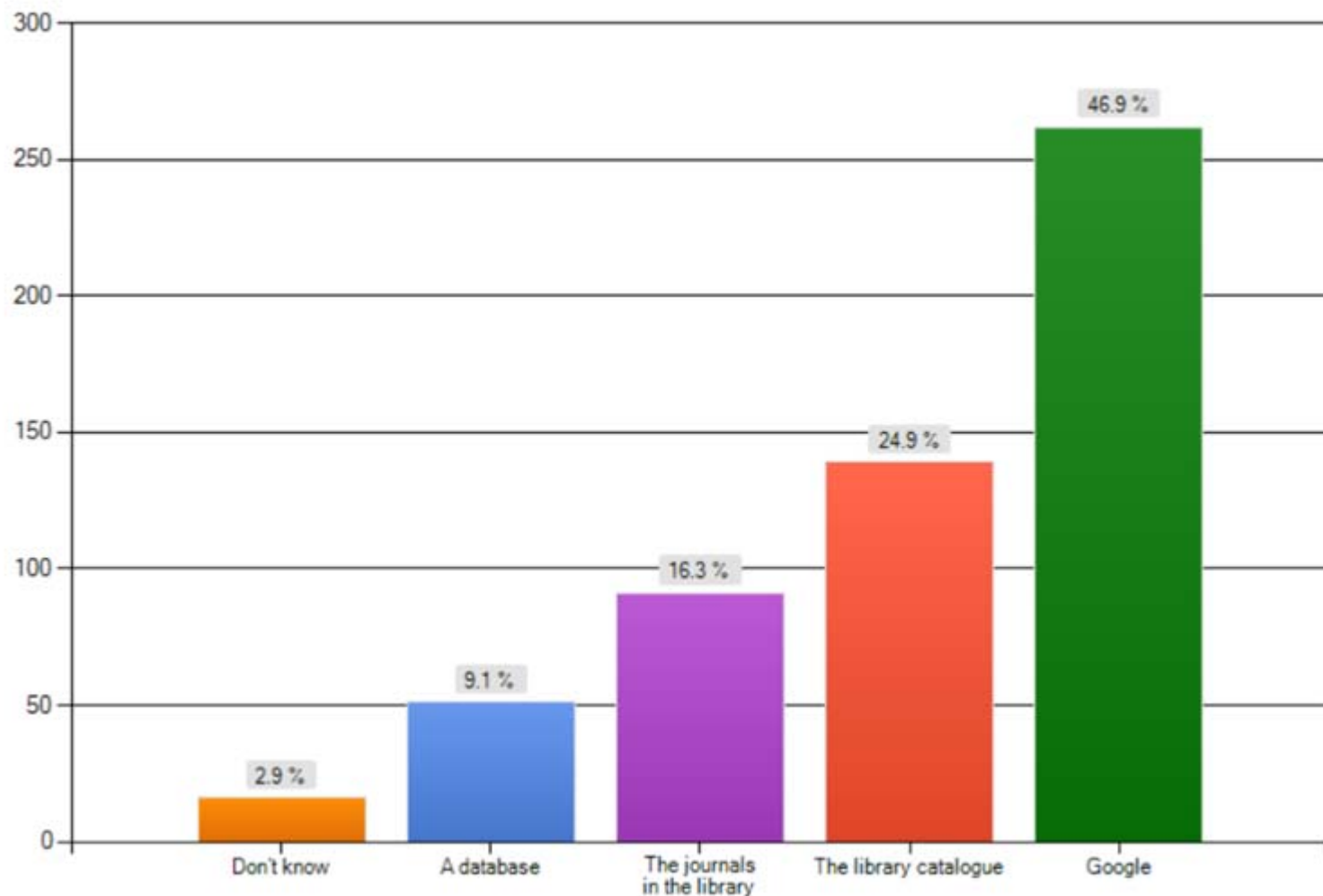


- **Most students will go to their library catalogue first, then Google**
- Although Google, Google Books and Google Scholar are heavily used, the library catalogue is still the preferred first choice for most students
- **Students rarely look beyond the first couple of pages in Google**
- Trend is towards electronic access still students use library visits with or instead of the internet
- The internet is used but also distrusted.

http://www.jisc.ac.uk/media/documents/about_us/workinggroups/studentsuserresearchcontent.pdf

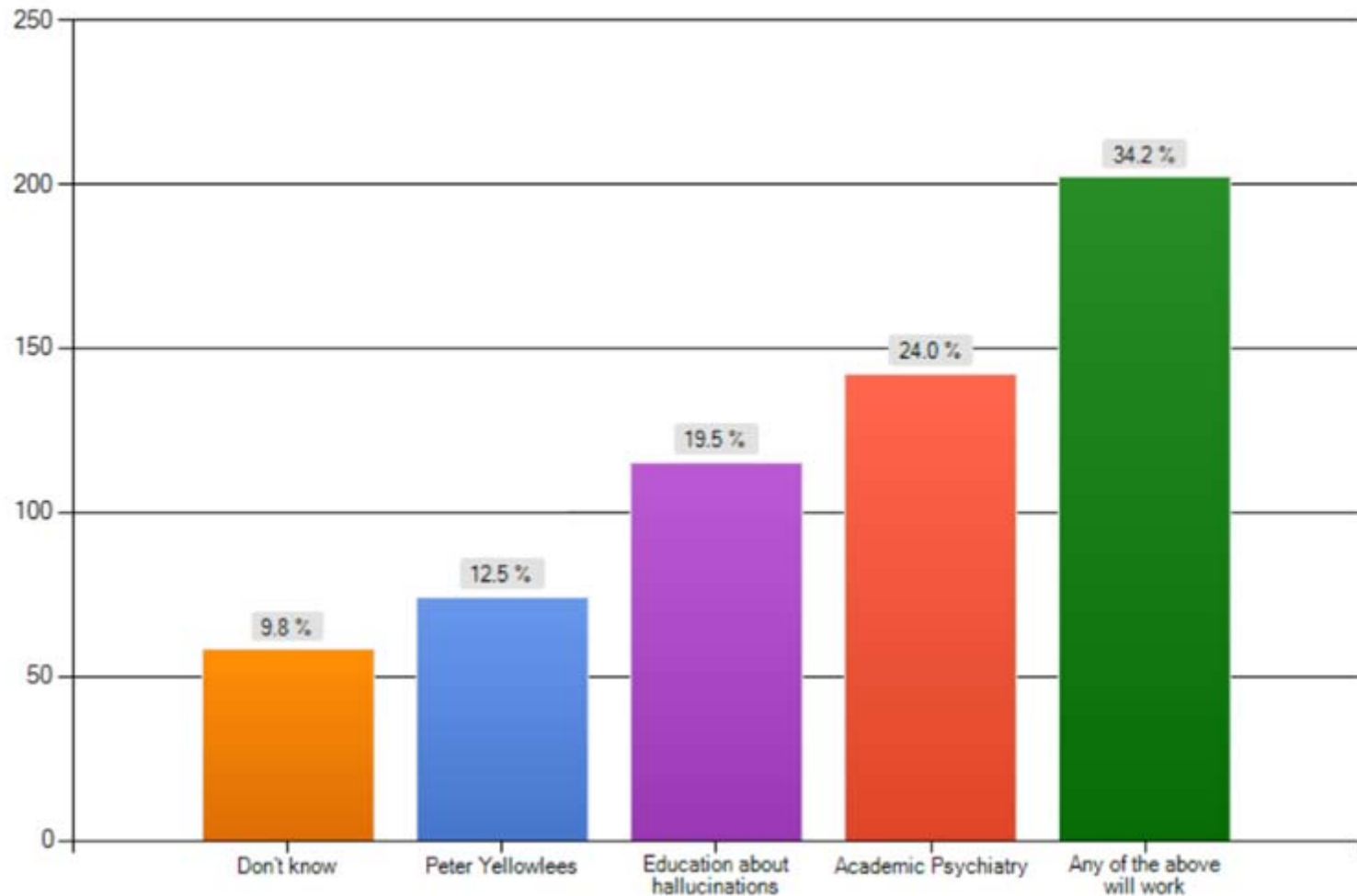
HKU Incoming Student Survey 2009

If I want to find journal articles about "Psychiatric assessment of children", I will search in:



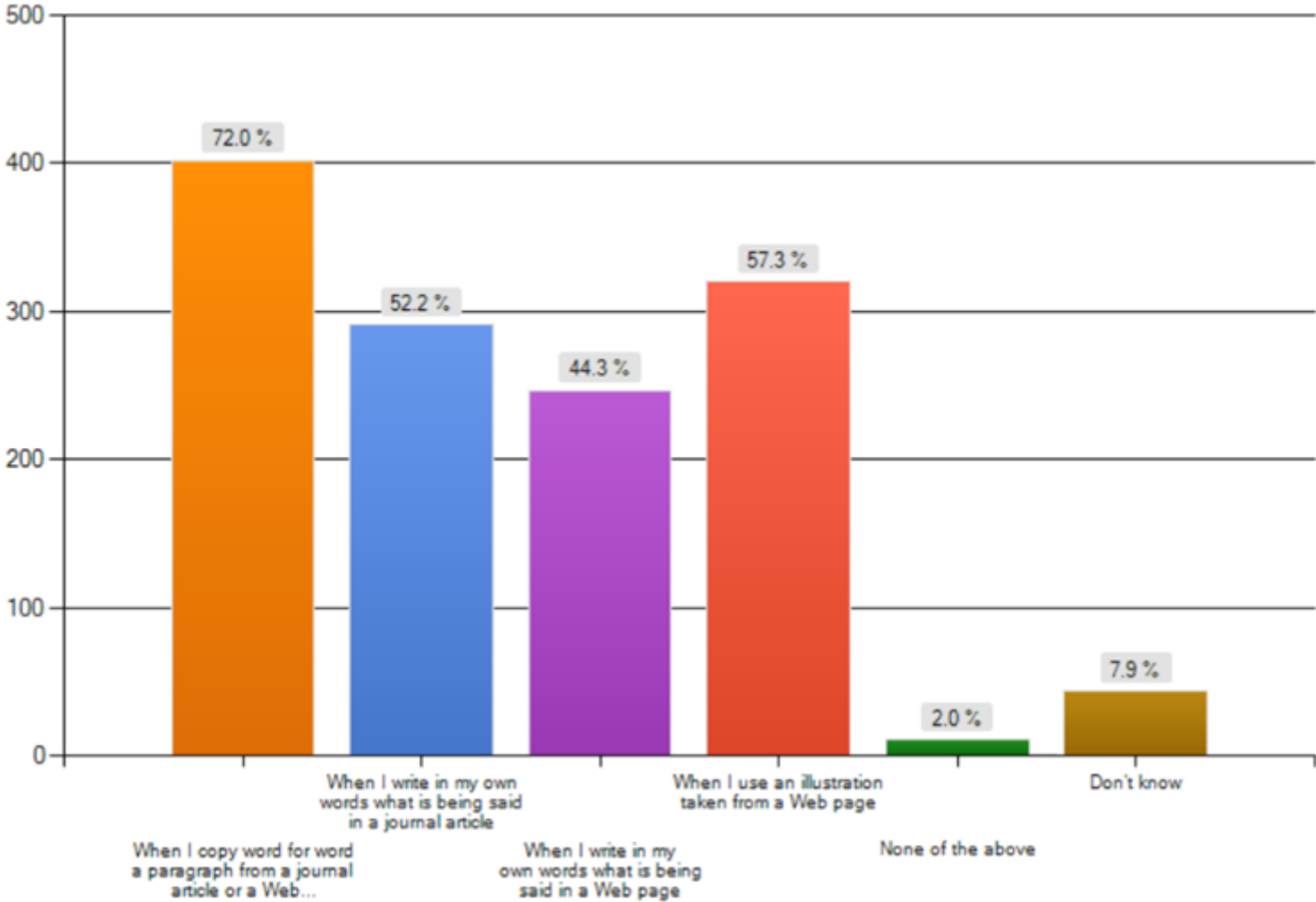
HKU Incoming Student Survey 2009

My lecturer told me that I should read an article published in the June 2006 issue of Academic Psychiatry, "Education about hallucinations", by Peter Yellowlees. To check the availability of this article at the library, I search in the catalogue under:



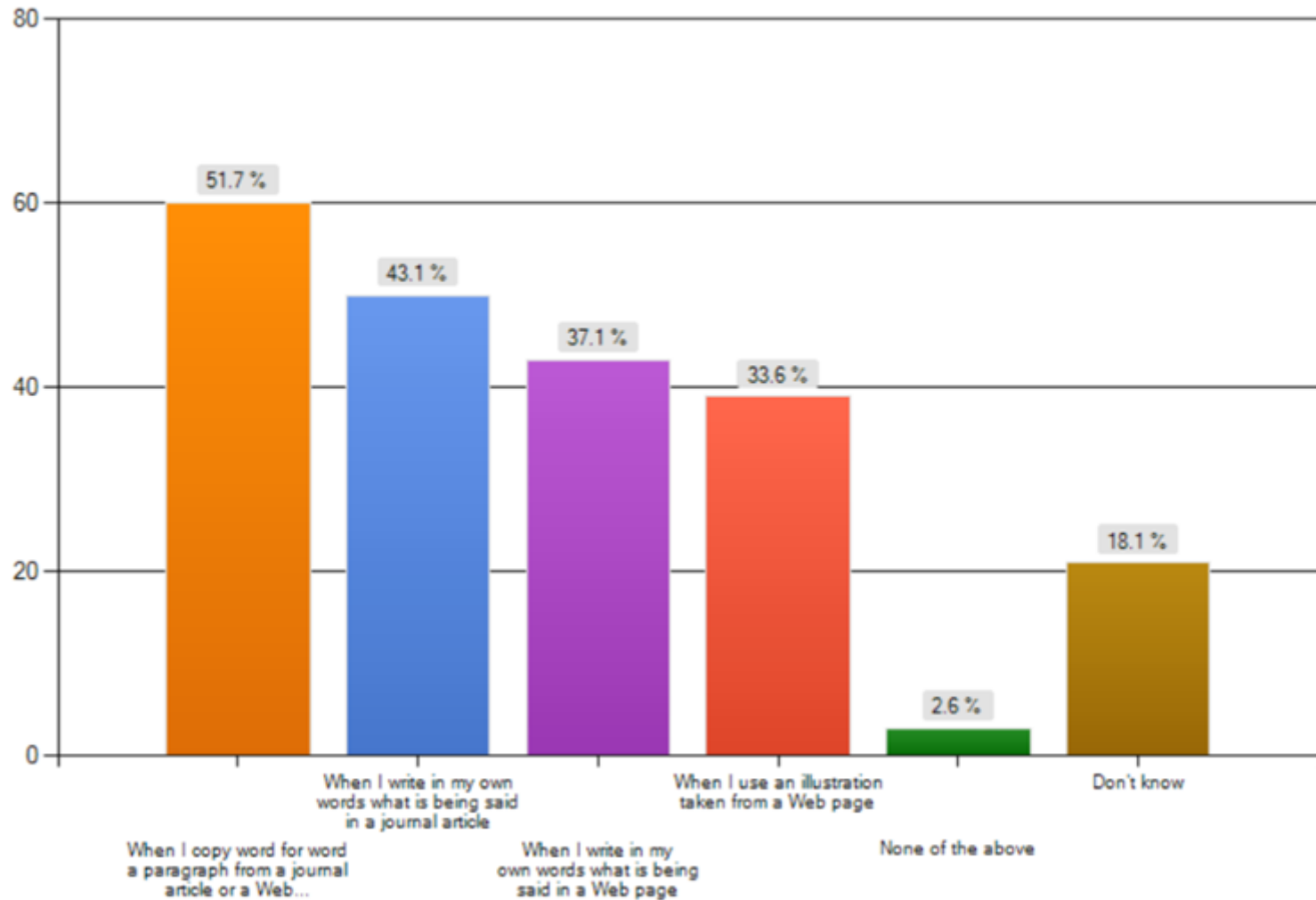
HKU Incoming Student Survey 2009

You want to use information you have found to write your paper. In which case do you need to include a reference to the source information? (You may choose more than 1)



Incoming Student Survey 2009 – another university

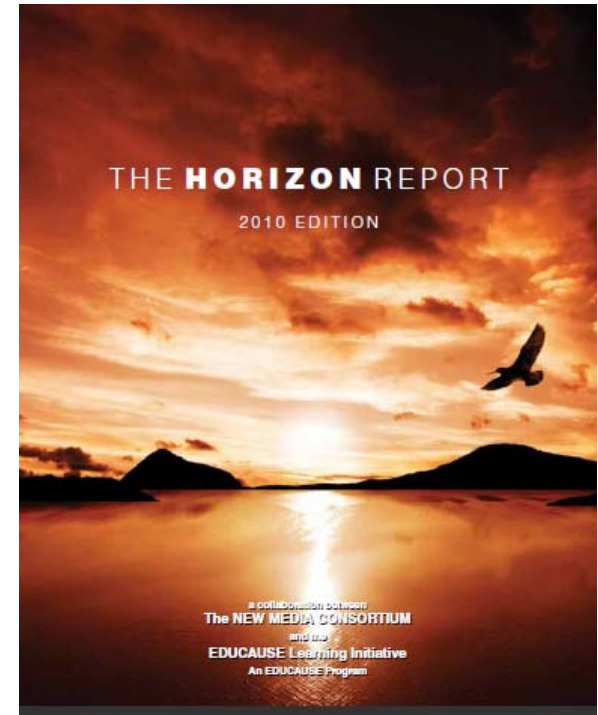
You want to use information you have found to write your paper. In which case do you need to include a reference to the source information? (You may choose more than 1)





Key trends: 2010

- The abundance of information resources challenges the way education must perform its business.
- People expect to be able to work, learn, and study whenever and wherever they want to.
- Work of students is increasingly collaborative by nature, and there is more cross campus collaboration between departments.



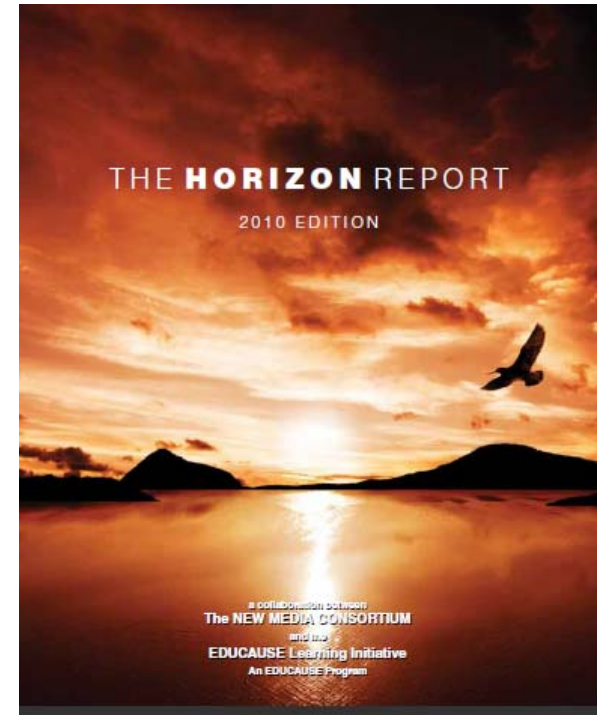


Critical challenges: 2010

- The role of the academy — and the way we prepare students for their future lives — is changing.
- New scholarly forms of authoring, publishing, and researching - need new metrics.
- Digital media literacy continues its rise in importance.
- Institutions focus more narrowly on key goals (\$s)

Technologies to Watch

- Mobile computing
- Open content
- Electronic books
- Simple augmented reality
- Gesture-based computing
- Visual data analysis



Scholarly Information Practices in the Online Environment

**Scholarly Information Practices in
the Online Environment**
Themes from the Literature and Implications
for Library Service Development

Carole L. Palmer
Lauren C. Teffeu
Carrie M. Pirmann

Graduate School of Library & Information Science (GSLIS)
Center for Informatics Research in Science & Scholarship (CIRSS)
University of Illinois at Urbana-Champaign

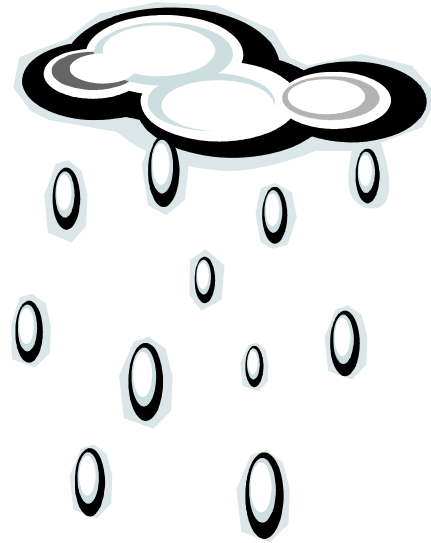


A publication of OCLC Research

- Reports on “the state of knowledge on scholarly information behavior”
- “And how they differ among disciplines”
- Identifies “directions and ... priorities for development of digital information services”



Library Forecast: Rain, continuing





Extinction timeline 2019*

- Sit down breakfasts
- Post offices
- Direct marketing
- Butchers
- Free parking
- WW1 survivors
- Size 0
- **Libraries**
- Unfenced beaches
- Static ads

* http://www.rossdawsonblog.com/extinction_timeline.pdf

Do you know Bangor?



Do you know Bangor?

The *Consultation* Document, January 2005

“the support...from the qualified subject librarians is *hard to justify in value-for-money terms* at a time when the process of literature searches is substantially de-skilled by online bibliographical resources.”

J Wright, *From adversity comes strength? Raising a new profile for the library at the University of Wales, Bangor*

<http://www.conference.ie/Conferences/menu.asp?menu=245&Conference=36>

And this...

The university library of the future will be sparsely staffed, highly decentralized, and have a physical plant consisting of little more than special collections and study areas...

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Libraries of the Future

September 24, 2009

NEW YORK CITY — The university library of the future will be sparsely staffed, highly decentralized, and have a physical plant consisting of little more than special collections and study areas.

That's what Daniel Greenstein, vice provost for academic planning and programs at the University of California System, told a room full of university librarians Wednesday at Baruch College of City University of New York, where the higher education technology group [Ithaka](#) held a meeting to discuss "sustainable scholarship."

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- » [The Interdisciplinary Science Library](#)
June 17, 2009

FREE Daily News Alerts

"We're already starting to see a move on the part of university libraries... to outsource virtually all the services [they have] developed and maintained over the years," Greenstein said. Now, with universities everywhere still ailing from last year's economic meltdown, administrators are more likely than ever to explore the dramatic restructuring of library operations.

Within the decade, he said, groups of universities will have shared print and digital repositories where they store books they no longer care to manage. "There are national discussions about how and to what extent we can begin to collaborate institutionally to share the cost of storing and managing books," he said. "That trend should keep continuing as capital funding is scarce, as space constraints are severe, especially on urban campuses — and, frankly, as funding needs to flow into other aspects of the academic program."

Under such a system, individual university libraries would no longer have to curate their own archives in order to ensure the long-term viability of old texts, Greenstein said. "What is the proportion of a library



\$\$\$

- administrators are more likely than ever to explore the dramatic restructuring of library operations
- “...and, frankly, funding needs to flow into other aspects of the academic program.”
 - Attributed to Daniel Greenstein, vice provost for academic planning and programs at the University of California System, Libraries of the Future, Inside Higher Ed, September 24, 2009
<http://www.insidehighered.com/news/2009/09/24/libraries>

We need to bring our collections
to life

Accessibility vs Discoverability

Accessible

- Unlocked
- Not hidden
- the degree to which a product (e.g., device, service, environment) is accessible by as many people as possible
 - <http://en.wikipedia.org/wiki/Accessibility>

Discoverable

- Can you find it?



Accessibility?



Bodleian Library entrance, Oxford.

<http://commons.wikimedia.org/wiki/File:Bodleian20040124CopyrightKaihsuTai.jpg>



The Sistine Hall of the Vatican Library

<http://en.wikipedia.org/wiki/File:Salone-sistino.jpg>



HKU Chinese Rare Books Room





HKU Chinese Rare Books “cage”



Open shelves. Accessible yes, but discoverable?

Knowledge Transfer and Knowledge Exchange



The University of Hong Kong's 3 Strategic Themes

- Enhancing the student learning experience
- Advancing research & innovation
- **Promoting knowledge exchange & demonstrating leadership in communities across the region**



Knowledge Transfer

- Within a modern, knowledge driven economy, knowledge transfer is about **transferring good ideas, research results and skills between universities, other research organisations, business and the wider community** to enable innovative new products and services to be developed.

(www.ost.gov.uk)

- www.bl.uk/aboutus/stratpolprog/redeflib/glossary/index.html
- The British Library described as a “Cathedral for Knowledge Transfer”.
 - <http://www.bl.uk/knowledgetransfer/morenews.html>

Knowledge Exchange

- the process of engaging, for mutual benefit, with business, government or the community to generate, acquire, apply and make accessible the knowledge needed to enhance material, human, social, cultural and environmental wellbeing
 - (HKU internal document)
- What role should the library play?

Bringing collections to life (1): HKU Scholarly Output

The Scholars Hub

The HKU Scholars Hub The University of Hong Kong



The HKU Libraries through its digitization projects, has opened up online access to local collections originally in print format only. The first HKUL Digital Initiative, ExamBase, was launched in 1996 and other projects of scholarly interests were subsequently introduced. More digital projects are being developed to provide continuous access to digital content and services.

HKUL Digital Initiatives

- [Basic Law Drafting History Online](#)
- [Beijing Historical Geography Database](#) 北京歷史地理數據庫 **NEW**
- [China Through Western Eyes](#)
- [Chinese Collectanea in Japanese Libraries](#) 日本見藏中國叢書目錄
- [Community Health Projects](#)
- [e-Video](#) **NEW**
- [Electronic Gallery of HKU](#)
- [ExamBase](#) **NEW**
- [Fung Ping Shan Library Rare Book Catalogue](#)
- [Historical Laws of Hong Kong Online](#)
- [HKU Press Digital Editions](#) **NEW**
- [HKU Scholars Hub](#)
- [Hong Kong and the West until 1860](#)
- [Hong Kong Government Reports Online \(1842-1941\)](#)
- [Hong Kong Journals Online](#)
- [Hong Kong Listed Company Papers Online](#)
- [Hong Kong Newspaper Clippings Online](#) **NEW**
- [Hong Kong Oral History Archives](#)
- [Hong Kong Stock Market Archives and Artifacts Collection](#)
- [Hong Kong Tourism Board Collection](#)
- [Hong Kong Table of Contents Database](#)
- [Hong Kong University Theses Online](#)
- [Pacific Rim Digital Library Alliance \(PRDLA\) Archive](#) **NEW**
- [The Last Governor Online](#) **NEW**
- [Sun Yat-sen in Hong Kong](#) 孫中山在香港
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- [Union Catalogue of Overseas Chinese Collection in HKU and JU](#) 華僑華人研究書目庫



Open Access (OA) and the Institutional Repository (IR)

- Open access (OA) is free, immediate, permanent, full-text, online access, for any user, web-wide, to digital scientific and scholarly material en.wikipedia.org/wiki/Open_access
- An institutional repository (IR) collects, preserves, and disseminates in digital form, the intellectual output of an institution. IRs usually provide open access on items held within the IR. The "HKU Scholars Hub" is the IR for HKU. <http://hub.hku.hk/help.jsp>

OA Policy: Why?



MAX-PLANCK-GESELLSCHAFT

- HKU Vice-Chancellor signed Berlin Declaration on Open Access, November 2009.
 - <http://oa.mpg.de/openaccess-berlin/berlindeclaration.html>
- [HKU Knowledge Exchange] “We will continue to inculcate in our academic staff members a culture of knowledge sharing **with the public**.
- “They will be encouraged to **share** their intellectual knowledge through public and inaugural lectures, media interviews, **publications**, continuing and professional education courses, memberships of public committees and company boards, and other services and activities.”
 - <http://www3.hku.hk/strategic-development/eng/strategic-themes-for-09-14/promotion-knowledge-exchange-and-demonstrating-leadership.php>

HKU ResearcherPages

- Knowledge Exchange:
 - A database in which government, industry and the community can easily find an HKU expert for media comment, contract research, collaboration, etc.
- Created for every current HKU researcher; 2,000+
- Reputation management

The HKU Scholars Hub The University of Hong Kong 香港大學學術庫



HKU ResearcherPage: Tam, PKH

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BREAKING NEWS

- [HKU Vice-Chancellor signs Berlin Declaration on Open Access.](#)
- ResearcherPages added to the Hub, for every HKU researcher. [Click here for an example.](#)

HKU Data



Tel: 2855 4850
Office: QK 1540
Dept: Vice-Chancellor's Office
Email: paultam@hkucc.hku.hk
[Personal Page](#) | [Biography](#)

Prof Tam, Paul Kwong Hang ^R

譚廣亨

Pro-Vice-Chancellor and Vice-President (Research)
Chair of Paediatric Surgery

Also Cited As:

- Tam, Paul
- Tam, Paul KH

Research Interests:

- Genomics
- Developmental biology
- Immunology
- Paediatric surgery

Media Spokesmanship

Bibliometric Data

Hub Items for: Tam, PKH

Authored items in the HUB - 1 to 20 of 22

next >

Title	Author(s)	Year
Association study of PHOX2B as a candidate gene	Garcia-Barcelo, MM;	2003

Access points by which Prof Tam can be discovered (in Google!): names, dept, position, languages spoken, papers written, their subjects, etc.

The HKU Scholars Hub The University of Hong Kong 香港大學學術庫



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math*

Name
 Dept.
 Research Interests
 Media Spokesmanship
 All RP Fields

Search

By HKU RP Number Go

New index, many ways to search

17 items found, displaying all items.

1

HKU RPid	Academic Name	Chinese Name	Department
rp00793	Tsang, KM	曾啟文	Dept of Mathematics
rp00834	Yu, J	余耀台	Dept of Mathematics
rp00838	Yung, SP	翁紹鵬	Dept of Mathematics
rp00839	Zang, W	臧文安	Dept of Mathematics
rp00814	Wu, S	吳思曄	Dept of Mathematics
rp00753	Lu, J	路江華	Dept of Mathematics
rp00664	Chan, KH	陳杰雄	Dept of Mathematics
rp00763	Mok, N	莫毅明	Dept of Mathematics
rp00702	Han, G	韓光耀	Dept of Mathematics
rp00685	Chu, SCK	朱進強	Dept of Mathematics
rp00794	Tsing, NK	丁南僑	Dept of Mathematics
rp00663	Chan, JT	陳作庭	Dept of Mathematics
rp00722	Lau, YK	劉旭金	Dept of Mathematics
rp00679	Ching, WK	程璋琪	Dept of Mathematics
rp00768	Ng, TW	吳端偉	Dept of Mathematics

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[Personal Page](#) | [Biography](#)

Prof Tam, Paul Kwong Hang ^R

譚廣亨

Pro-Vice-Chancellor and Vice-President (Research)
Chair of Paediatric Surgery

Also Cited As:

- Tam, Paul
- Tam, Paul KH

Research Interests:

- Genomics
- Developmental biology
- Immunology
- Paediatric surgery

Media Spokesmanship

Bibliometric Data

Scopus

AuthorID: 7202539421
Document Count: 289
Cited by: 2396
h Index: 24
Co-authors: 150 (Max. 150 displayed)

ResearcherID

RID: C-4405-2009
Document Count: 652
Times Cited: 6716
h Index: 26
Co-authors: [Collaboration Network](#)

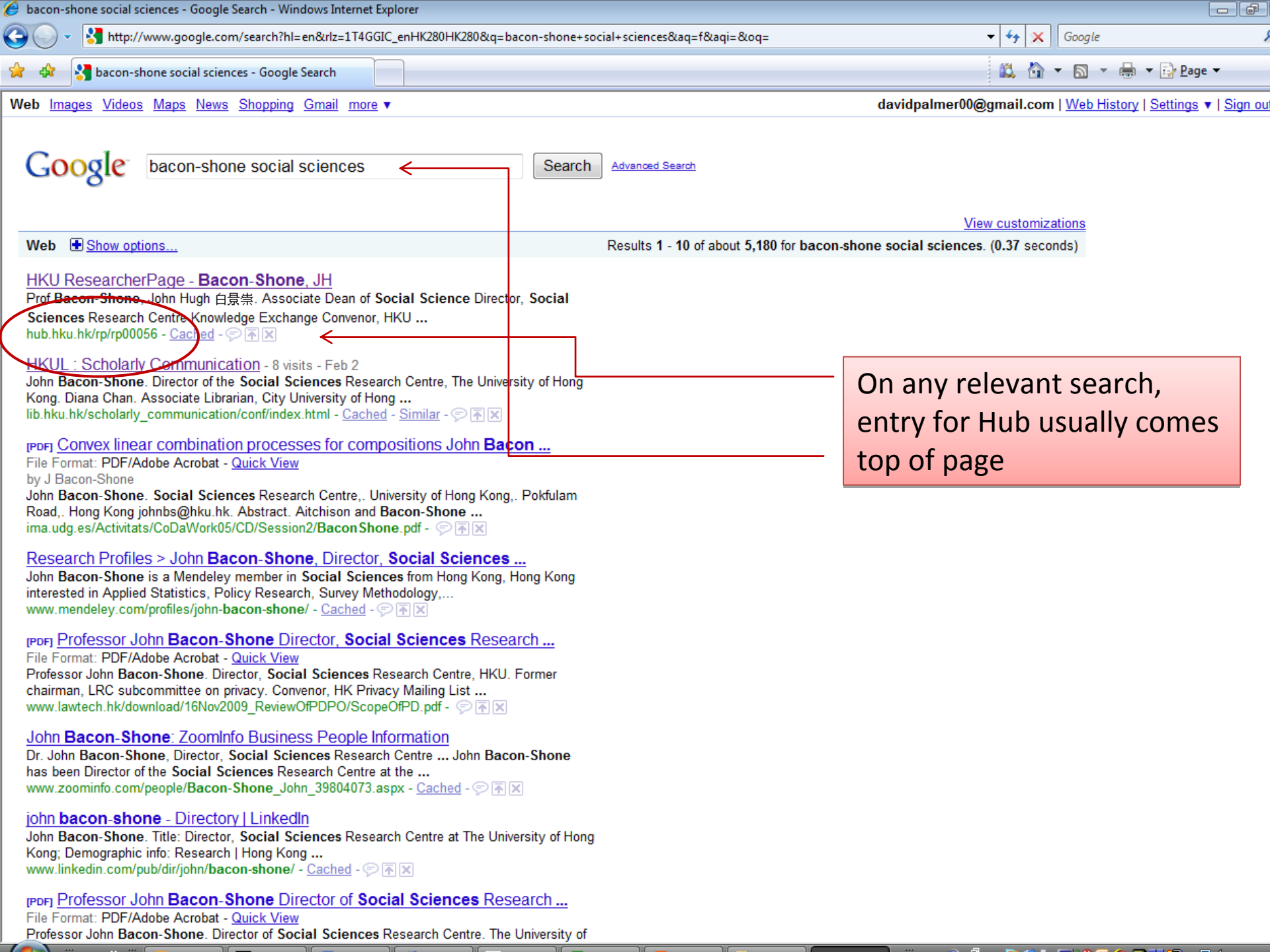
Clickable bibliometric counts from Scopus & ResearcherID

Hub Items for: Tam, PKH

Authored items in the HUB - 1 to 20 of 22

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Title	Author(s)	Year
Association study of PHOX2B as a candidate gene for Hirschsprung's disease	Garcia-Barcelo, MM; Sham, MH ^{OR} ; Lui, VCH; Chen, RI S; Ott, J.; Tam, PKH ^{OR}	2003



bacon-shone social sciences

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[HKU ResearcherPage - Bacon-Shone, JH](#)

Prof **Bacon-Shone**, John Hugh 白景崇. Associate Dean of **Social Science** Director, **Social Sciences** Research Centre Knowledge Exchange Convenor, HKU ...

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John **Bacon-Shone**. Director of the **Social Sciences** Research Centre, The University of Hong Kong. Diana Chan. Associate Librarian, City University of Hong ...

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by J Bacon-Shone

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ima.udg.es/Activitats/CoDaWork05/CD/Session2/BaconShone.pdf - [Share](#) [Print](#) [Close](#)

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John **Bacon-Shone** is a Mendeley member in **Social Sciences** from Hong Kong, Hong Kong interested in Applied Statistics, Policy Research, Survey Methodology,...

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Professor John **Bacon-Shone**. Director, **Social Sciences** Research Centre, HKU. Former chairman, LRC subcommittee on privacy. Convenor, HK Privacy Mailing List ...

www.lawtech.hk/download/16Nov2009_ReviewOfPDPO/ScopeOfPD.pdf - [Share](#) [Print](#) [Close](#)

[John Bacon-Shone: ZoomInfo Business People Information](#)

Dr. John **Bacon-Shone**, Director, **Social Sciences** Research Centre ... John **Bacon-Shone** has been Director of the **Social Sciences** Research Centre at the ...

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John **Bacon-Shone**. Title: Director, **Social Sciences** Research Centre at The University of Hong Kong; Demographic info: Research | Hong Kong ...

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[\[PDF\] Professor John Bacon-Shone Director of Social Sciences Research ...](#)

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Professor John **Bacon-Shone**. Director of **Social Sciences** Research Centre. The University of

On any relevant search, entry for Hub usually comes top of page

Freely available on the web...

- Citations increase up to 250%

Harnad, S. (2005) "Australia

Is not maximising ..." See –

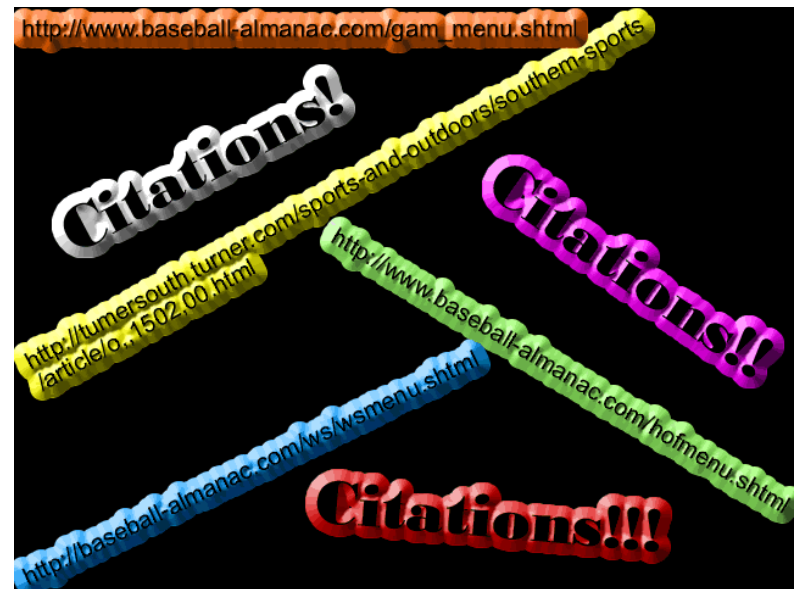
<http://www.ecs.soton.ac.uk/>

[~harnad/Temp/research](http://www.ecs.soton.ac.uk/~harnad/Temp/research)

[-australia.doc.](http://www.ecs.soton.ac.uk/~harnad/Temp/research-australia.doc)

Image:

library.thinkquest.org/.../citations.htm



HKU Scholars Hub Holdings

Material type	2006-07	2007-08	2008-09
Article	1,338	3,234	3,685
Abstract	0	0	197
Book	149	156	450
Book Chapter	0	0	4
Conference Paper	0	1,524	2,165
Finding Aid	0	0	1
Image	0	0	101
Journal	3	6	11
Learning Object	0	0	165
Moving Image	173	173	188

HKU Scholars Hub Holdings (cont'd)

Material type	2006-07	2007-08	2008-09
Newspaper article	0	0	56
Patent	20	87	88
Postgraduate Thesis	15,166	16,001	17,012
Postprint	200	350	432
Preprint	0	0	8
Presentation	6	115	115
Student Project	145	152	169
Undergraduate Thesis	268	268	455
<i>TOTAL</i>	<i>17,468</i>	<i>22,066</i>	<i>25,302</i>

Output

- Global access to HKU scholarly content
- Increased visibility of the work of HKU and its scholars
- Increased citation counts for HKU scholarly works
- Greater accountability of faculty output (visible citation counts)
- Greater global impact of HKU scholarship.

Downloads (2008/09)

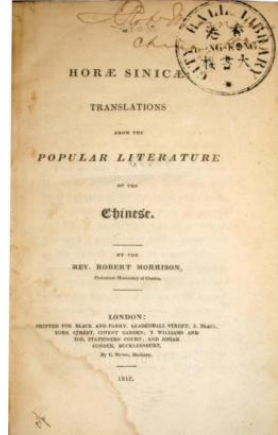
Type	Totals
Article, Preprint & Postprint	74,011
Book	807
Book Chapter	123
Conference Paper	21,619
Finding Aid	6
Image	126
Journal	161
Learning Object	304
Moving Image	1,421

Downloads (2008/09) (cont'd)

Type	Totals
Newspaper Article	1,514
Patent	1,226
Postgraduate Thesis	1,303,889
Presentation	3,660
Student Project	18,257
Undergraduate Thesis	35,209
Unknown Type	6,776
Grand TOTAL	1,597,198

Top item downloads (2008-09)

Title	Type	Download times
Dental care service in the post-secondary institutions in Hong Kong	Student Project	6,597
The profession of EDP audit in Hong Kong	PG Thesis	2,723
Dental service for nursery children in Yuen Long	Student Project	2,149
Risk-resilient heuristics and genetic algorithms for security-assur...	Article	1,975
Promoting Client Participation: A Study of Youth Probationers in Ho...	Postprint	1,207
Quantum spin field effect transistor	Article	892
A general actuator saturation compensator in the continuous-time do...	Conference Paper	840
Variation in Antiviral 2',5'-Oligoadenylate Synthetase (2'5'AS) Enz...	Article	784
A cognitive-functional investigation of questions in Chinese	PG Thesis	768



Bringing collections to life (2): Rare Book Digitisation Project

A HKUL-iGroup Collaboration



Project Scope

- Digitization, i.e. scanning of images and production of 4,000 e-books (about 1,200,000 images) plus 800,000 pages of rare Chinese newspapers
- Rare, out-of-copyright books on China and Asia written in English
- Project started in July 2008

Digitisation motivators

- Preservation
- Access
- Improving searching capabilities - discoverability
- Supporting teaching and research
- Strengthening the role of HKU Libraries as a digital content provider.
- Collaborative resource sharing
- Commercial exploitation
- Demonstrated demand and need from users
- Enhancing access to rare and valuable materials e.g. Web access
- Preservation and reduce handling of originals
- Promoting image of an organization
- Solving storage problem

Scanners

- Kirtas APT 2400 - an automatic book digitization device that features an integrated automatic page-turning robot



The University of Hong Kong Libraries

“Technically, the Kirtas system provides a total solution to our scanning of rare books and the production of their digital counterpart.”

Dr. Y.C. Wan | Director of Library Services

The University of Hong Kong (HKU) was founded in 1910, making it the oldest tertiary education institution in Hong Kong, and today it attracts more than 20,000 students from mainland China and around world. As a leading research university, HKU prides itself on developing the largest number of research post-graduate students in the territories.

As with most universities, HKU's Libraries (HKUL) provide much needed resources to the campus community and beyond, with the exception of a few rare collections unique only to HKUL. The libraries' Hankow and Morrison Collections are home to rare, out-of-copyright books, dealing specifically with China and more generally with Asia.

“Our collection of rare books on China in Western languages is rather unique in this part of the world,” noted Dr. Y.C. Wan who oversees main library services. “We need to exploit the full value of this collection by both scanning and producing fully wearable e-books as rapidly and inexpensively as possible.”

E-books are the digital media equivalent to a conventional printed book. They can be downloaded to your computer in various file formats enabling you to search and cross-reference text using hyperlinks making e-books highly desirable for research work.

The Kirtas Solution

In order to begin this transformation from hard-copy books to e-books, HKUL needed an efficient, cost-effective, gentle, high-quality digitizing solution. Together with their partner iGroup, Kirtas Technologies was able to provide it.

HKUL decided to purchase a Kirtas APT BookScan 2400, a book digitization system that can capture up to 2,400 pages per hour using two high-resolution cameras. The cameras capture each

right- and left-hand page simultaneously through their precision 24-70 mm Zoom EF lenses in full color with all the details, in a fraction of a second.

“Technically, the Kirtas system provides a total solution to our scanning of rare books and the production of their digital counterpart,” said Wan. Previously, HKUL attempted an in-house operation to scan rare books, but the results led them to discover that it was not an efficient or cost-effective way to tackle mass digitization.

“It [the Kirtas system] also enables us to work with a regional Asian partner like iGroup to fully exploit the potential value of our content and gain global visibility and identification with other leading universities who partnered with Kirtas.”

The Next Step

So what does the future hold for HKUL now that they've embarked on their own mass-digitization journey? “We will use the Kirtas machine for other collections,” concluded Wan. “Early serials about China, our own theses collections, and other non-copyrighted books.”



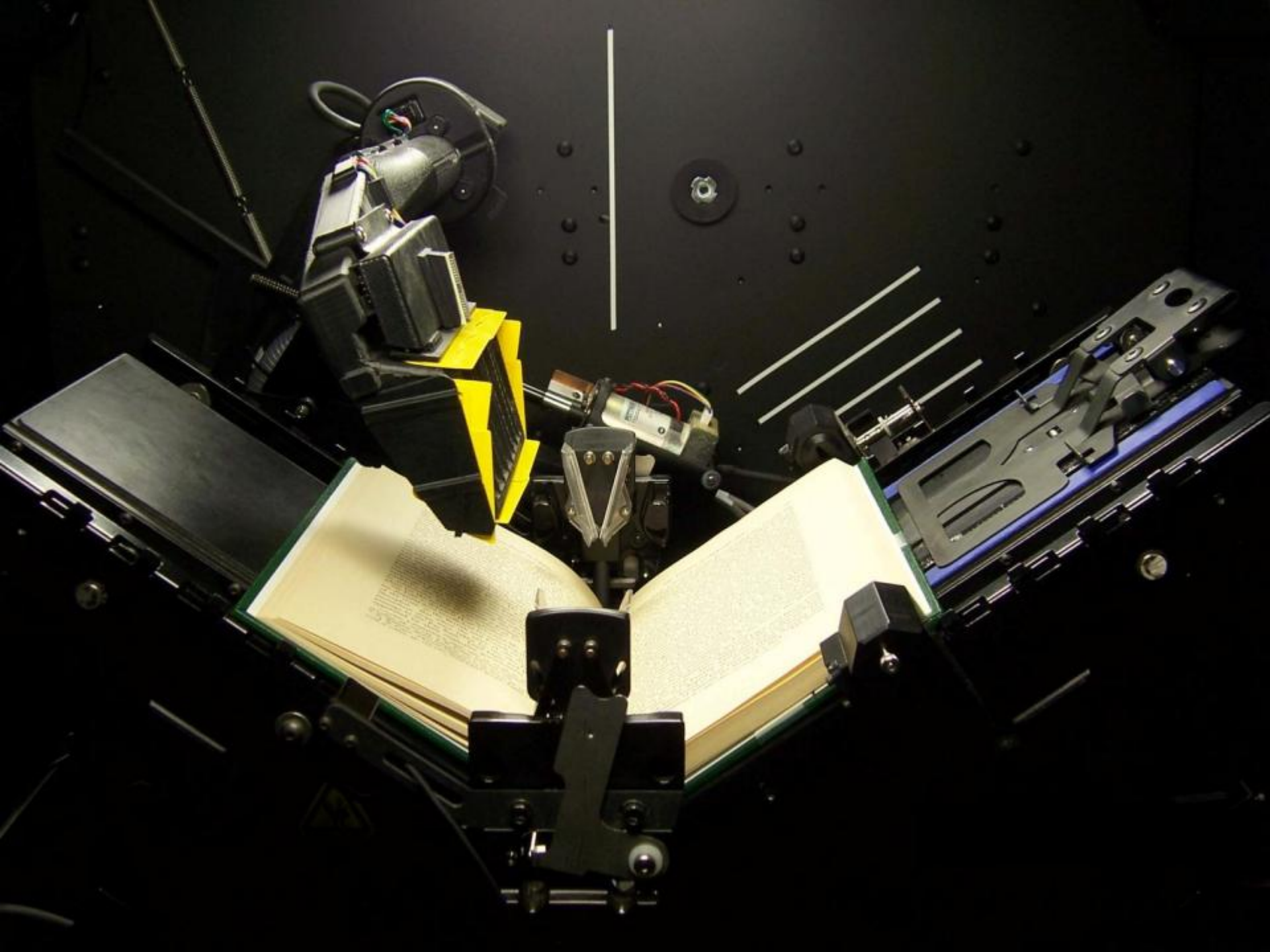
7620 Omnitech Place, Victor New York 14564
 email: info@kirtas.com
 phone (585) 524-2420 toll-free (800) 340-4365
 www.kirtas.com
 www.kirtaseurope.com www.kirtasmaghreb.com

“HKUL needed an efficient, cost-effective, gentle, high quality digitizing solution. Together with their partner iGroup, Kirtas Technologies was able to provide it.”

http://www.kirtas.com/index.php?option=com_content&view=category&layout=blog&id=16&Itemid=80

The Kirtas APT 2400

- 2400 images per hour
- Two 16.6 megapixel cameras – simultaneous L/R capture
- Auto adjusting cradle (as pages decrease/increase)
- Adjustable, robotic vacuum arm changes pages
- “Page fluffers”



Our commitment

- Reaching out to the community, local, regional and global
- Making HKU scholarly output accessible and discoverable through open access
- Making our collections accessible and discoverable through mass digitisation projects.

A Future?



Functions a University library should be providing over the next decade

- Space
 - Virtual
 - Physical
- Services
 - Self directed
 - Mediated
- Academic engagement
 - Teaching and learning
 - Research
- Content
 - Collection development – continued (R)evolution
 - Managing locally created content
 - Creating/reformatting content
 - Partnering with publishers, authors etc
- Cultural icon



Librarians for the future

- Flexibility
- Mind shift – probably regularly
- New positions
- Changed positions
- New skills – constantly
- Embedded in faculty, community
- Collaborative and supportive work environment
- Liblisher or pubrarian

Thank you!
Gracias!
Obrigado!
Xie Xie!



The University of Hong Kong
Libraries

Caring Collaborative Creative
Your partner in intellectual excellence