



Institutional Repositories in HK: Challenges and Directions

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City University of Hong Kong

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HKU

17-18 May 2007



Outline

1. Higher Education in Hong Kong
2. Institutional Repositories in HK
3. A Macro View
4. Challenges
5. Future Direction
6. Experience Sharing – A Case Study



1. Higher Education in HK

- Student Enrollment
- Academic and Research Staff
- Research Output
- Research Funding and Expenditure
- Library Collection and Expenditure



Student Enrollment and Graduates

	Student enrollment (fte) 2005/06	Graduates (headcount) 2005/06	Average Student Unit Cost for 2004/05
Sub-degree	9,070	6,182	\$122,000
Undergraduate	50,009	16,050	\$205,000
Taught PG	3,428	3,067	\$201,000
Research PG	5,208	1,923	\$413,000
Total	67,715	27,222	\$205,000

Source: [UGC Website](http://www.ugc.edu.hk/eng/ugc/stat/stat.htm) <http://www.ugc.edu.hk/eng/ugc/stat/stat.htm>

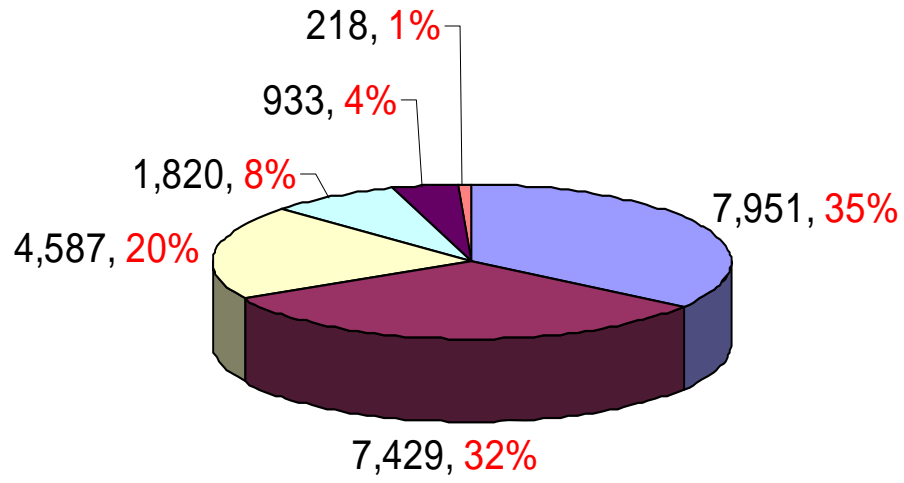


Academic & Research Staff

- **Total Staff (2005/06): 6,729 (fte)**
 - Academic Staff: 5,504 (fte)
 - Research Staff: 1,225 (fte)
 - # of Leaving Academic Staff: 183 (fte) (2004/05, 4.5%)
- **Research Output (2004/05): 22,938**
 - Academic Research (Refereed): 16,555
 - Academic Research (Not Refereed): 2,912
 - Contract Research: 465
 - Other Outputs: 3,006
- **Average Research Output per Staff: 3.4 / year**

Research Output Category

22,938 (2004/05)



- Conference Papers
- Journal Publications
- Other Output
- Scholarly Books, Monographs and Chapters
- Creative and Literary Works, Consulting Reports and Case Studies
- Patents, Agreements, Assignments and Companies

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Research Expenditure

- Expenditure of UGC-funded Institutions (2004/05) - **\$17,614m**
 - Departmental Expenditure on Research: **\$4,707m**
 - % spent on Research: 27%
 - % of UGC Research Expenditure to GDP: 0.35%
- **\$ per Research Output (22,938): \$205,205**



Expenditure on Research Output

- **Academic**

- 22,938 Research Output in 2004/05
- Department Expenditure per Research Output is **\$205,205** (est.) (faculty's salary not included)

- **Student**

- 1,923 Research PG graduated in 2005/06
- HK Government spent \$413,000 per student per year
- **\$1.239m** (est.) per PG thesis (if 3 years only)

Library Collections & Expenditures

As of 2005/06

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	All JULAC Libraries		All JULAC Libraries
Vol. in libraries	9,266,441	Film & videos	295,582
Total current serials	47,577	Total circulation transactions	6,350,011
E-databases	2,891	Expenditures on total library materials	\$308 m
E-journals	204,659	Professional staff	161
E-books	1,548,232	Service hours	91 average per week 9



2. Institutional Repositories in HK

- **Collect, showcase, preserve and disseminate the intellectual output of an institution in digital format for perpetual access.**
- **5 Universities have IR on DSpace**
 - Chinese University
 - City University of Hong Kong
 - Hong Kong Institute of Education
 - Hong Kong University of Science & Technology
 - University of HK
- **3 Universities have other digital initiatives**
 - Baptist University
 - Lingnan University
 - Hong Kong Polytechnic University



What is an IR?

– 5 Universities

Faculty's Research Output

Research output of faculty, researchers & PGs

HKUST and HKU

Full-text and Open Access

Faculty's Publication Index

Index to the publications of faculty and researchers

CU

Students' Research Output

Theses and papers of students

CityU and HKU

Institution's Publication Archive

An archive of publications published by the institution

HKIEd

Digital Initiatives – 3 Universities

Faculty's Research Output

Lingnan

- LN Publications

Faculty's Publication Index

HKBU

- Staff Pub Catalogue
- Faculty & Staff papers

Students' Research Output

HKBU

- Theses & Dissertations
- Honours Projects

PolyU

- Electronic Theses

Lingnan

- Theses, Dissertations
- Student Projects

Institution's Publication Archive

Lingnan

- LN Publications
- Lectures & Seminars



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HKU Scholars Hub



University of Hong Kong

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-  **Faculty of Business & Economics**
-  **Faculty of Dentistry**
-  **Faculty of Education**
-  **Faculty of Engineering**
-  **Faculty of Law**
-  **Faculty of Science**
-  **Faculty of Social Sciences**
-  **HKU Press**
-  **Li Ka Shing Faculty of Medicine**
-  **Other Centres & Institutes**
-  **University Libraries**

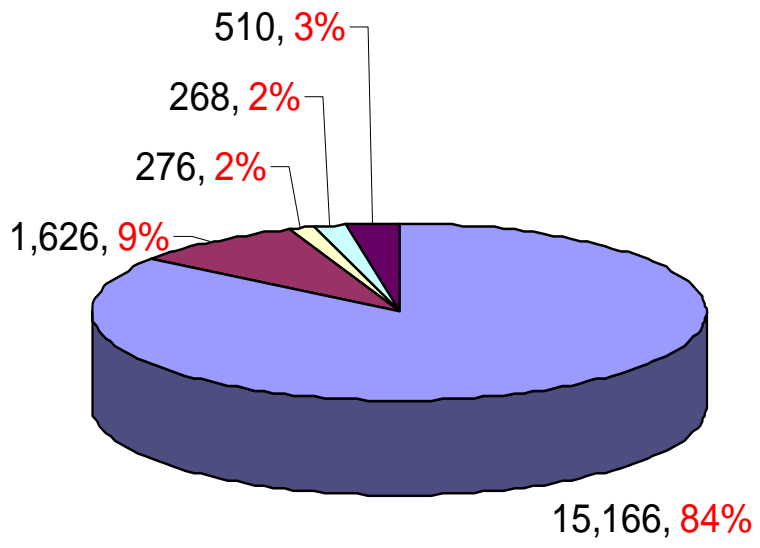
HKU Scholars Hub

(17,846 as of March 30, 2007)

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- Postgraduate Theses
- Articles
- Images
- Undergraduate Theses
- Others

Source: HKU Library

HKU Scholars Hub

Content	Size	%	# of Dept	% FT	% OA
PG Theses	15,166	85%	66	80%	100%
Journal Articles	1,626	9%	72	100%	100%
Images	276	1.5%	2	100%	100%
UG Theses	268	1.5%	1	100%	100%
Video	173	<1%	33	100%	20%
Books	154	<1%	3	100%	1.3%
Student Reports	151	<1%	1	100%	100%
Postprints	14	<1%	4	100%	100%
Preprints	1	<1%	1	100%	100%
Presentations	8	<1%	1	100%	100%
Journals	9	<1%	2	100%	100%
Total	17,846	100%	72	85%	99.8%

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 - ◊ [Cultural and Religious Studies](#)
 - ◊ [English](#)
 - ◊ [English Language Teaching Unit](#)
 - ◊ [Faculty Officers](#)
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 - ◊ [Japanese Studies](#)
 - ◊ [Linguistics and Modern Languages](#)
 - ◊ [Music](#)
 - ◊ [Philosophy](#)

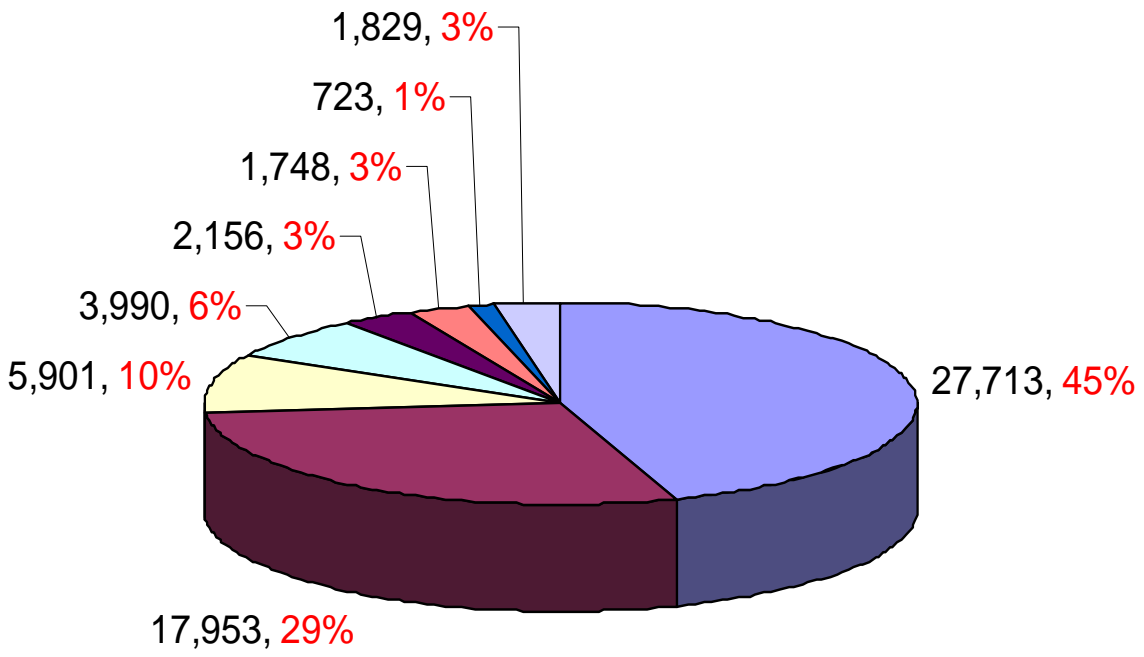
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(62,013 as of March 30, 2007)

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Article	Conference paper	Other	Book chapter
Book	Thesis	Presentation	Others

Source: CUHK Library

CUHK SIR (Beta)

Content	Size	%	Content	Size	%
Journal Articles	27,713	45%	Patents	138	<1%
Books	2,156	3%	Plays, poems	298	<1%
Book Chapters	3,990	6%	Presentations	723	1%
Book Reviews	324	<1%	Research Reports	328	<1%
Case Studies	24	<1%	Software	92	<1%
Conference Papers	17,953	29%	Theses	1,748	3%
Design	12	<1%	Translations	300	<1%
Images	57	<1%	Videos	58	<1%
Musical Scores	43	<1%	Working papers	155	<1%
Others	5,901	10%	Total	62,013	100%

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Only 10% will be FT
Not OA

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- **[Library](#)**

- [Library - Presentations](#)

- **[Outstanding Academic Papers by Students](#)**

- [OAPS - Dept. of Applied Social Studies](#)
- [OAPS - Dept. of Computer Science](#)
- [OAPS - Dept. of Economics & Finance](#)
- [OAPS - Dept. of Electronic Engineering](#)
- [OAPS - Dept. of Marketing](#)
- [OAPS - Dept. of Mathematics](#)
- [OAPS - Dept. of Physics & Materials Science](#)
- [OAPS - School of Law](#)

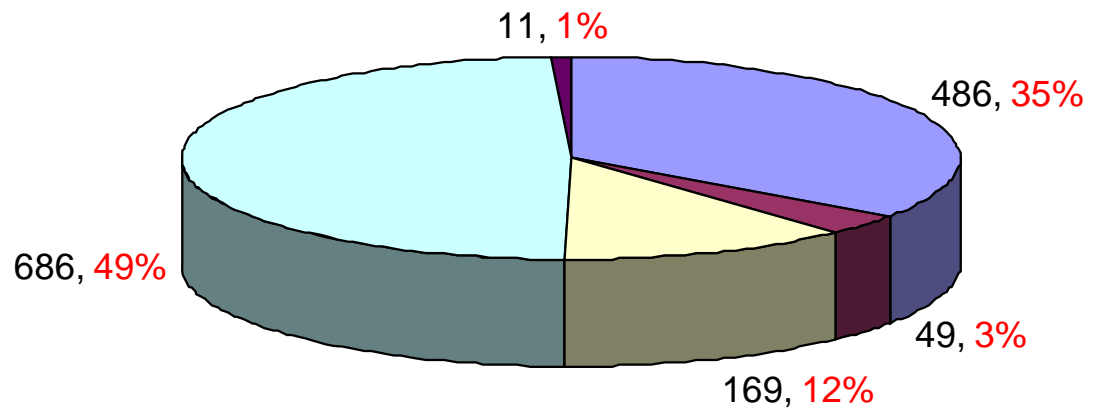
- **[Student Final Year Projects](#)**

- [Applied Social Studies - Postgraduate Diploma Papers - Psychology](#)
- [Applied Social Studies - Undergraduate Final Year Projects - Psychology](#)
- [Applied Social Studies - Undergraduate Final Year Projects - Sociology](#)



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CityU Institutional Repository (1,401 as of May 2007)



Final Year Projects	Outstanding Papers	External Awards
PG Theses	Library Presentations	

Source: CityU Library

CityU IR

Content	Size	%	# of Depts	% FT	% OA
Outstanding Papers By Students	49	3.5%	8	100%	50%
Final Year Student Projects	486	35%	25	100%	3%
External Awards	169	12%	25	50%	30%
PG Theses	686	49%	22	100%	100%
Library Presentations & Papers	11	0.7%	1	100%	100%
Total	1401	100%	25	94%	56%

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Source: CityU Library

HKIEd Digital Repository – Institute Archives

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HKIEd Library



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- [1. Programme prospectuses & handbooks 課程概覽及手冊](#) [290]
- [2. Institutional publications 學院出版刊物](#) [273]
- [3. Staff publications 教職員出版刊物](#) [272]
- [4. Student publications 學生出版刊物](#) [43]
- [5. Curriculum materials 教案資料](#) [70]
- [6. Internal documents 內部文件](#) [68]

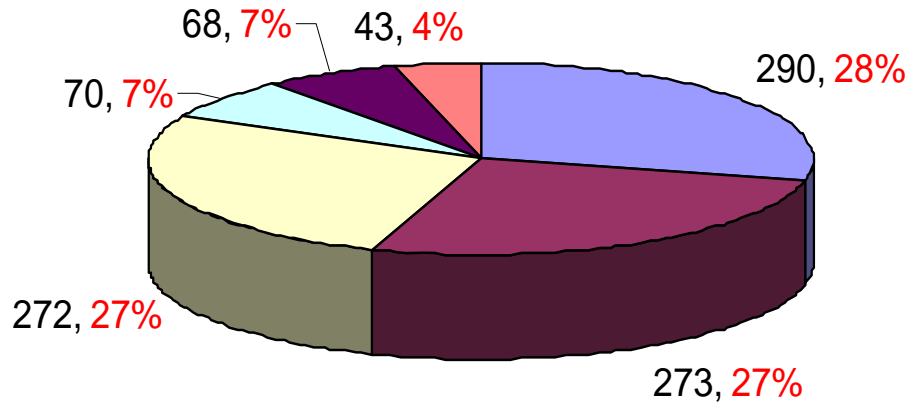
HKIEd Institute Archive

(1,016 as of March 30, 2007)

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- Programme prospectuses & handbooks of the Institute
- Official publications of the Institute
- Staff publications
- Curriculum materials prepared by staff
- Internal documents for staff and students
- Student publications

HKIEd Institute Archive

Content	Size	%	% FT	% OA
Program Prospectuses	290	28%	100%	100%
Institute Publications	273	27%		100%
Staff Publications	272	27%		<1%
Student Publications	43	4%		<1%
Curriculum Materials	70	7%		<1%
Internal Documents	68	7%		<1%
Total	1,016	100%		55%

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Source: HKIEd Library

HKUST IR

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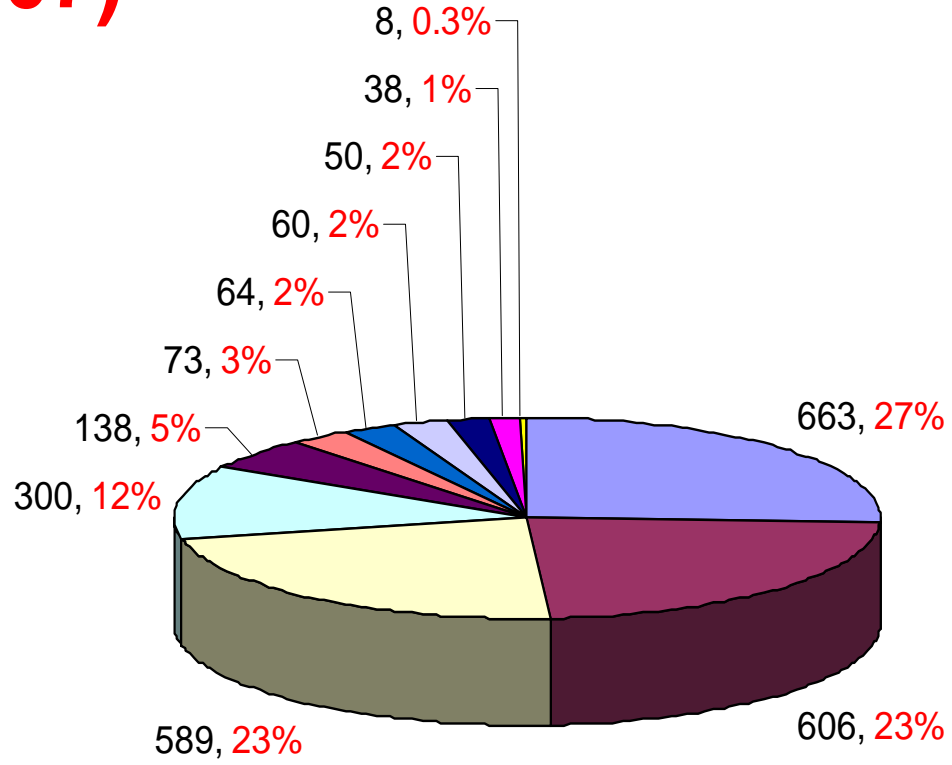
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What can you find here?

HKUST research:

- ◊ preprints
- ◊ technical reports
- ◊ working papers
- ◊ conference papers
- ◊ journal articles
- ◊ presentations
- ◊ etc.

HKUST IR (2,589 as of March 30, 2007)



- Conference papers
- Journal/magazine articles
- Technical reports
- Research reports
- Preprints
- Others
- Theses
- Working papers
- Presentations
- Patents
- Book Chapters

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HKUST IR

Content	Size	%	# of Depts	% FT	% OA
Conference Papers	663	26%	33	100%	100%
Doctoral Theses	606	23%	22		
Patents	60	2%	11		
Journal Articles	589	23%	29		
Working Papers	300	12%	12		
Preprints	50	2%	7		
Technical Reports	138	5%	8		
Presentations	73	3%	6		
Research Reports	64	2%	4		
Book Chapters	38	1%	4		
Others	8	<1%	4		
Total	2,589	100%	42		

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 - journal articles
 - presentations
 - images
 - etc.

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Prof. CHAN, Simon
Department of Mathematics
simonchan@ust.hk

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*Authors:	Chan, Simon; Lau, Benjamin E. e.g. [Smith, John; Chan, L. C.]
*Issue/Publication Date:	2004-03 e.g. [2003-04-25] or [2003-04] or [2003] or [N/A]
Series:	See Help
Citation:	International Conference on Ma See Help
Keywords/Phrases:	Mathematics; Course design; Cl e.g. [Web browser; Internet]
Note:	
Abstract:	This paper presents the experience of using a new approach for teaching first year mathematics undergraduates.

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- Title:** Lobbying, multisector trade, and sustainability of free-trade agreements
- Authors:** Qiu, Larry Dongxiao
- Keywords:** Lobbying
Free-trade agreements
Multisector trade
Sustainability
- Issue Date:** Nov-2004
- Citation:** [Canadian journal of economics](#), vol. 37, iss. 4, November 2004, p. 1061-1083



Abstract: This paper is concerned with the sustainability of free-trade agreements (FTA). FTA sustainability is influenced by governments' valuations of political contributions, discount factors, the lobbying position of the specific-interest groups in the intra-industry trade sectors, and the sectoral coverage of the FTA. I find that (i) under certain conditions, the FTA under protectionist lobbying could be more sustainable than the FTA under no political pressure; (ii) the lobby-supported FTA



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Title: Lobbying, multisector trade, and sustainability

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Keywords: Lobbying
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Sustainability

Issue Date: Nov-2004

Citation: Canadian journal of economics volume 37 issue 4 p. 1061-1083

[WebBridge](#)

Abstract: This paper is concerned with the effects of FTA sustainability discount factors on intra-industry trade under certain conditions. It shows that sustainable trade is more likely to occur when the discount factor is low.

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Article: Qiu Larry Dongxiao " Lobbying, multisector trade, and sustainability of free-trade agreements" *The Canadian journal of economics* volume 37 issue 4 p. 1061-1083

ISSN/ISBN: 0008-4085 1540-5982

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- LIBRARY HAS 01-01-2005 -

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Link to the Publisher's Version of a Paper

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Blackwell Synergy: Canadian J Econ, Vol 37, Issue 4, pp. 1061-1083: Lobbying, mult

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http://www.blackwell-synergy.com/doi/abs/10.1111/j.0008-4085.2004.0

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Canadian Journal of Economics
Volume 37 Page 1061 - November 2004
doi: 10.1111/j.0008-4085.2004.00260.x
Volume 37 Issue 4

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http://www.blackwell-synergy.com/doi/abs/10.1111/j.0008-4085.2004.00260

JEL Classification: F12, F13, F15.

Lobbying, commerce multisectoriel et durabilité des accords de libre échange. Ce mémoire examine la durabilité des arrangements de libre échange (ALE). Celle-ci est influencée par les évaluations par les gouvernements des contributions politiques, les facteurs d'escompte, la position de lobbying des groupes d'intérêt spécifiques dans les secteurs de commerce intra-industriel, et la couverture sectorielle de l'accord de libre échange. L'auteur trouve que (i), sous certaines conditions, l'ALE pourrait être plus durable s'il y a lobbying protectionniste que si pression politique il n'y a pas; (ii) l'ALE supporté par du lobbying est plus durable que l'ALE opposé au lobbying et sans pression de lobbying; et (iii) le commerce multisectoriel améliore la durabilité de l'ALE.

Society (Seattle), and the European Economic Association Meeting (Bolzano). I would like to thank Satya Das, Arye Hillman, Sajal Lahiri, and Robert Staiger for useful comments. The referee's comments and suggestions helped to improve the paper significantly. Finally, financial support from Hong Kong's Research Grant Council (DAG03/04.BM28) is gratefully acknowledged. Email: larryqiu@ust.hk

To cite this article
Qiu, Larry D. (2004) Lobbying, multisector trade, and sustainability of free-trade agreements. *Canadian Journal of Economics* 37 (4), 1061-1083. doi: 10.1111/j.0008-4085.2004.00260.x

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[Neural networks for teletraffic routing and troubleshooting](#)
Wong, Michael Kwok-Yee / Lor, Felix W. K. / Lau, H. C.. Proceedings of the International Symposium on Artificial Neural Networks, 1995, p. IS-3...
 ...handle.net/1783.1/1833 Title: **Neural networks** for teletraffic routing and...W. K. Lau, H. C. Keywords: **Neural networks** Teletraffic routing Hyb...
 - IS-43. (pre-published...

[Constructive neural networks : some practical considerations](#)
Kwok, Tin-Yau / Yeung, Dit-Yan. Proceedings of the IEEE International Conference on Neural Networks, Orlando, FL, USA, 27 June-2 July 1994, IE...
 (pre-published version). **Jan 1994**
 ...1/1834 Title: Constructive **neural networks** : some practical considerations...Yan Keywords: Constructive **Neural networks** Objective function...
 June-2...

[Constructive feedforward neural networks for regression problems : a survey](#)
Kwok, Tin-Yau / Yeung, Dit-Yan. **Sep 1995**



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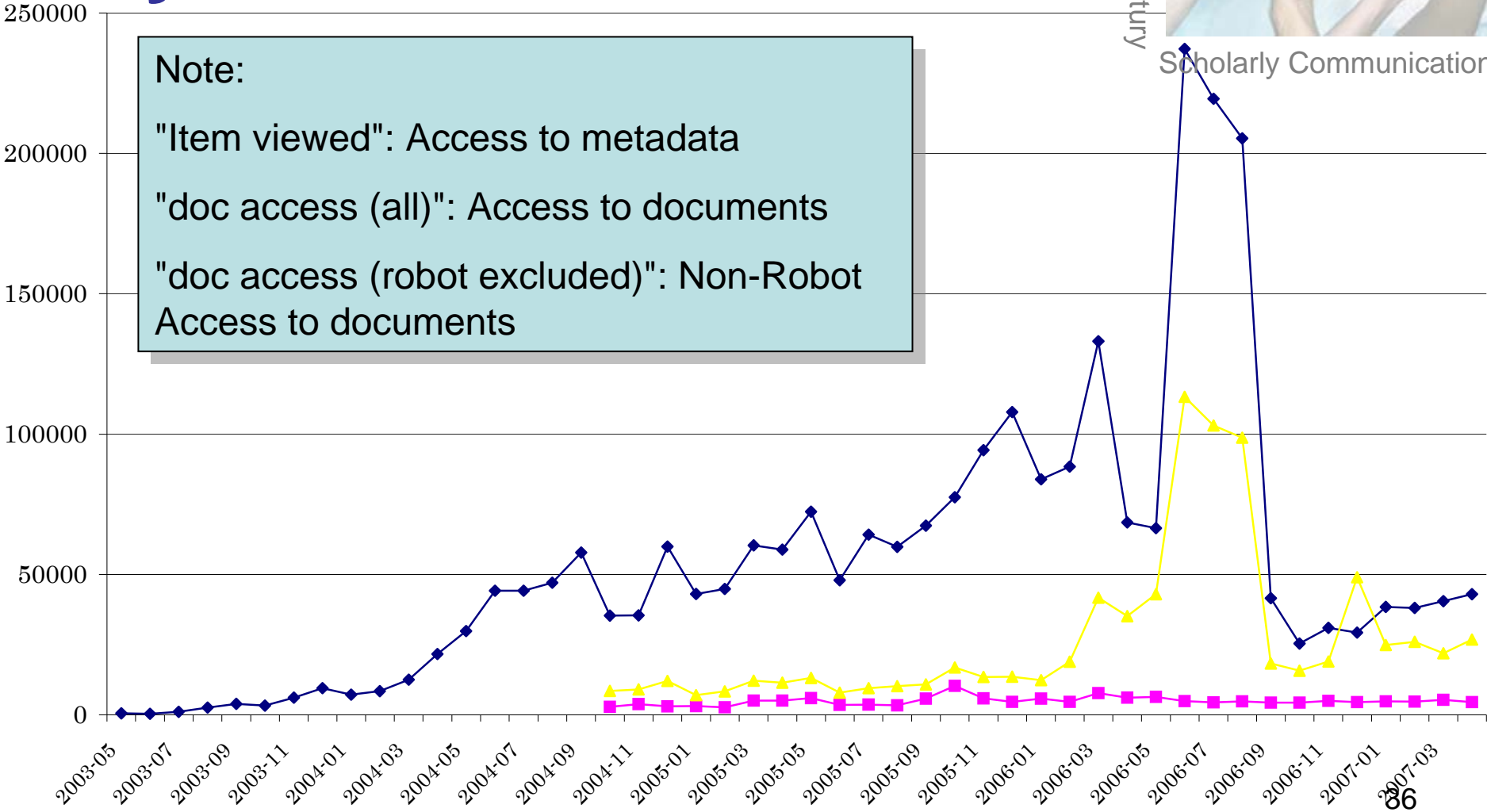
Number of Accesses	Title	Authors
130	Three-dimensional numerical investigations of new Austrian tunnelling method (NATM) twin tunnel interactions	Ng, Charles W. W.; Lee, K. M.; Tang, D. K. W.
102	Capital structure decisions	Frank, Murray Z.; Goyal, Vidhan K.
77	A nameless but active religion : an anthropologist's view of local religion in Hong Kong and Macau	Liu, Tik-Sang
71	A study of semi-technical vocabulary in computer science texts, with special reference to ESP teaching and lexicography	Lam, Jacqueline Kam-Mei
66	探索普通話優質教學的新途徑 - 多媒體網頁輔助教學	Feng, Judy Chu-Ti (馮竹迪); Sun, Rong-Li (孫蓉麗)
57	建立和维护香港科技大学的机构学术成果存储库	Chan, Diana L. H. (陳麗霞)
55	An event driven approach to customer relationship management in e-brokerage industry	Chiu, Dickson K. W.; Chan, Wesley C. W.; Lam, Gary K. W.; Cheung, Shing-Chi

Monthly Access from May '03 to Jan '07

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Scholarly Communication





3. A Macro View

- Contributing Institutions
- Analysis of Content Categories
- Comparison with UGC Research Output
 - Journal articles
 - Conference papers
 - PG theses and dissertations
- Cross institutional harvesting and searching



Contributing Institutions

	Size	%	FT	% FT	OA	%OA
HKU	17,846	21%	14,813	83%	17,556	98%
CU	62,013	74%	2,771*	0.04%	0	0%
CityU	1,401	1.6%	1,316	94%	786	56%
HKUST	2,589	3%	2,589	100%	2,589	100%
HKIEd	1,016	1%	1,016	100%	563	55%
Total	84,865	100%	21,818	26%	20,765	25%

Analysis of Content Categories (84,865)

Category	Content	Size	%	%
Scholarly Work	Books, Book Chapters	6,338	7.5%	69%
	Journal Articles	30,002	35.6%	
	Conference Papers	18,616	22.1%	
	Reports, Case Studies, Working Papers	1,281	1.5%	
	Patents	198	0.2%	
	Faculties' Theses	1,748	2.1%	
Student Work	PG Theses	16,458	19.0%	20%
	UG Theses, Reports, Papers	997	1.2%	
Multimedia	Images, Video, Musical scores, Software, Presentations, Design	1,526	1.8%	2%
Institution's Publications	Prospectuses, Internal documents	701	0.8%	1%
Unclassified	Others, Awards, Book Reviews, Plays, Translations	7,000	8.3%	8%

Comparison with UGC Research Output

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Scholarly Communication

Category	Content	Size of 5 IRs	Compare To UGC Research Output 2004/05
Scholarly Works	Books, Book Chapters	6,338	1,820
	Journal Articles	30,002	7,429
	Conference Papers	18,616	7,951
	Reports, Case Studies, Working Papers	1,281	933
	Patents	198	218



Journal Articles

- Around **30,002** Journal Articles (35.6%)
 - 15,610 FT, 52%
 - 2,215 OA, 7%
 - Compared to 7,429 journal articles published by UGC faculty members in 2004/05
 - Compared to **74,290** (estimated) journal articles published by UGC faculty in the last 15 years.
 - **40%** archiving, and **3%** OA.
 - **3%** archiving, and **3%** OA (if take away CU's data, i.e. 2,289 only instead of 30,002)



Conference Papers

- Around **18,616** Conference Papers (22.1%)
 - 663 FT, 4%
 - 663 OA, 4%
 - Compared to 7,951 conference papers published by UGC faculty members in 2004/05
 - Compared to **79,510** (estimated) conference papers published by UGC faculty in the last 15 years.
 - **23%** archiving, and **1%** OA.
 - **1%** archiving, and **1%** OA (if take away CU's data, i.e. 663 instead of 18,616)

PG Theses

- Around 16,458 PG Theses (19%)
 - 13,425 FT, 82%
 - 13,425 OA, 82%
 - Plus Lingnan's 40 OA Theses out of a total of 79
 - Plus BU's selected OA Theses

= **16,500**
- Each University has its own Theses Database, with most allowing access on campus only, but restricting remote access
- Compared to 1,923 Research PGs graduated in 2005/06
- Compared to **19,230** Research PGs (est.) in the past 15 years → **86%** archiving and **70%** OA
- **Mandatory Policy on PG Theses**
- 1 PG Thesis costs \$1.239m





About Deposit Rate

- Theses & Dissertations
 - Below **15%** on voluntary basis (Hajjem et al. 2005, Sale 2006)
 - Rise towards **100%** on mandatory policy
- Scholarly work
 - A general **low** level of knowledge and motivation to use IRs (Rowlands & Nicholas 2005)
 - **3.8%** deposit rate after 8 months when NIH requested researchers to deposit their papers in PubMed Central (NIH Report 2006)
 - **94%** of authors would deposit copies of papers in an IR under their employers' mandate policy (Swan & Brown 2005)

Cross Institutional Harvesting and Searching

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Scholarly Communication

- HKIR by HKUST (96,061 Records)
- Dissertations and Theses Collections by HKBU (32,642 records)



HKIR - Cross Searching Hong Kong Institutional Repositories

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HKUST doctoral dissertations and master's theses
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- ◆ [HKUST Publications Index](#) [11163]
Index of publications by HKUST researchers
- ◆ [HKU Scholars Hub](#) [16595]
Repository of scholarly output of HKU faculty and students



HKIR - Cross Searching Hong Kong Institutional Repositories

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Full metadata record

contributor.author HO Ho Pui (何浩培)

date.available 2007-03-10T22:58:39Z

date.issued 2005

identifier.citation HO Ho Pui, WU Shu Yuen. Conference on BioMEMS and Nanotechnology II, in SPIE International Symposium on Microelectronics, MEMS, and Nanotechnology, 2005.

title Highly-Sensitive Imaging Surface Plasmon Resonance Biosensor for High-throughput Multiple Analyte Detection

type Conference paper

identifier.recnum oai:dspace.lib.cuhk.edu.hk:2006/190113

identifier.myurl http://hdl.handle.net/2006/190113

identifier.collection CUHK SIR - Electronic Engineering

date.datestamp 2006-12-08T21:14:07Z

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4. Challenges

- Technical
- Authors' attitude & participation
- Strategies
- Promotion and education
- Policies, mandating
- Budget, Staffing
- Sustainable growth





Technical Issues

- DSpace
 - User interface and customizations
 - Statistics
 - Searching problem in Chinese
 - Finding solutions from discussion groups
- Lack of technical support and resources
- Name authority control
- Locating full-text
- Controlling access to those restricted records
- Making separate pages for individual scholars

Authors' Attitude and Participation



- Some authors can see the value
- Others cannot. They think that their personal web pages and published papers in journals are sufficient. They are concerned that there are too many errors in preprints & post-prints and that will confuse people who make citations
- Lack of active participation from authors, only a small % of researchers' publications is in IR, not their whole list.
- Publications Index type does not have this problem



Strategies in Populating IR

- **HKUST**
 - Link to OCGA's submission and archive system
- **HKU**
 - Link to Registry's Research Output System
- **CU**
 - RTAO's Online Publication Input System OPIS



Promotion and Education

- Identify individuals who are enthusiastic
- Promote IR as the repository of research



Policies

- **No** institutional policy
- **No** university mandate

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Mandating

- Definitely it will help.
- If it doesn't happen, we must continue with other methods.
- It's a passive means. Making the stakeholders understand the values of open access concept may create better results.
- Encouraging and educating would be more effective than mandating

Budgets and Staffing



- No designated budget for most
- Ask for renewed budget every year
- No additional staff





Sustainable Growth

- Some suggested a steady growth rate in the past due to PG Theses, e.g. HKU adds 500 per year
- For other publications, difficult to keep sustainable growth after the first few years.
- In the long term, need a university policy favorable for IR deposit.
- For Publication Index type IR, they do not have this problem





Successes and Problems

- **Successes**

- FT
- OA
- Visibility
- Overall index

- **Problems**

- Small number
- Accuracy of records
- How to continue without a policy for deposit
- Restricted access
- Limited coverage of the IR



5. Future Direction

- A university **policy** to ensure deposit into the IR. i.e. Publicizing it with university administrators, UGC/RGC and others.
- Have as much **full-text** as possible.
- Becomes the **hub of faculty's research**
- Expand the **coverage**, e.g. theses, faculty publications
- Expand **OA**
- **Collaboration** among UGC institutions

Collaboration

- Systems support?
- A central IR for HK scholarly work?
- A central IR for HK students' work?
- Seek funding from Government?
- Lobby for mandatory policy?





6. Experience Sharing

- CityU's Outstanding Academic Papers by Students (OAPS)
- Number
 - CityU – 2 depts (2006) → 8 depts (2007)
 - Partnership - 3 institutions → 6 → more
 - Papers – over 400
- Advocacy
 - VPs, Deans, Directors, Registrars, Dept heads, faculty, Library Liaison Officers

Communicating the Benefits

- Build up a spectrum of **exemplary works for course use**
- Increase the **visibility** of students' works
- Raise the **prestige** of the University
- Promote quality research and **reward** outstanding work
- Provide **long-term access** to our students' research output
- **eBook** publications



Certificate Awarding Ceremony

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Sharing Session

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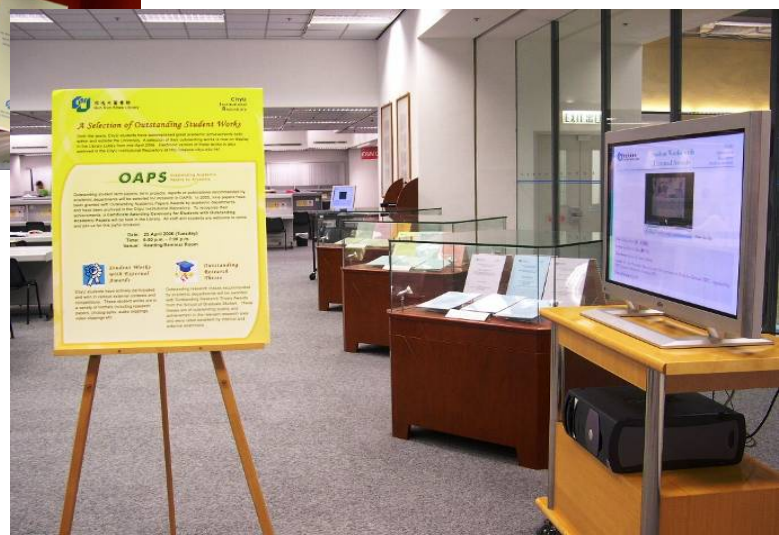
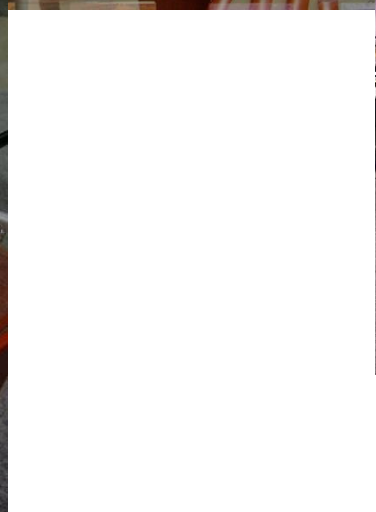


Exhibition of OAPS Papers

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Promotion

posters

Recognition for Excellence

2007

**Outstanding Academic Papers by Students (OAPS)
Certificate Awarding Ceremony**

「本科生/研究生學生優秀作品計劃」頒獎典禮

April 12, 2007, 6:00 - 7:15 pm
Reading/Seminar Room,
Run Run Shaw Library

Outstanding Academic Papers by Students (OAPS) is a joint initiative between the Library and the academic departments to collect students' quality papers, preserve them in digital format and share them within the University and beyond so as to provide perpetual access to our students' research output. April 2007 marks the second anniversary of the project, which receives strong support from academic departments.

To recognize the accomplishment of the students, a Certificate Awarding Ceremony will be held in the Library. In conjunction with the Ceremony, a selection of OAPS papers will also be displayed in the Library Lobby, starting from April 3, 2007.

You are cordially invited to the Ceremony and the Exhibition.

香港城市大學 City University of Hong Kong
邵逸夫圖書館 Run Run Shaw Library
CityU Institutional Repository

**Outstanding Academic Papers by Students (OAPS)
Certificate Awarding Ceremony**

April 12, 2007 6:00 - 7:15pm
Reading/Seminar Room

香港城市大學 City University of Hong Kong
邵逸夫圖書館 Run Run Shaw Library

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「本科生/研究生學生優秀作品計劃」
頒獎典禮

2007年4月12日 下午六時至七時十五分
閱覽/研討室

香港城市大學 City University of Hong Kong
邵逸夫圖書館 Run Run Shaw Library
CityU Institutional Repository

OAPS Outstanding Academic Papers by Students

Purpose

To support teaching and learning, and to encourage good academic works of students of the University, the Library embarked on a project to preserve the outstanding academic papers written by students in digital format and make them available online. The Library would like to invite the academic departments to select and contribute outstanding papers to the OAPS database.

Scope

The scope of student papers includes term papers, term projects, reports or publications of all courses and levels (undergraduate and postgraduate). These, dissertations, and final theses are included as there are existing digital library services for these works.

Submission Criteria

The submission criteria will be set by the academic departments and the academic departments. To set good examples for students, it is expected that only academic papers with outstanding quality will be selected.

Constructivist teaching pedagogy advocates open learning environments in which students, with the guidance of teachers, develop the ability to conduct research, articulate outcomes, and join learning communities to exchange ideas with peer students and teachers.

In line with the student-centred settings and approaches, OAPS is designed to capture the intellectual output of the scholarly communications and disseminate the outputs in order to facilitate future teaching and learning.

With resource sharing facilitated by an academic exchange of institutions from different continents, it is envisaged that OAPS helps nurture a new generation of scholars equipped with life-long learning skills.

Scope

The scope of student papers includes term papers, term projects, reports or publications of all courses and levels (undergraduate and postgraduate). We target to collect papers of research value, with case studies or analysis.

pamphlets

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Recent achievements


- CityU surges from 178th to 154th in global rankings
- CityU climbs global social science and technology rankings
- Faculty of Business ranks among the top five business schools in Asia-Pacific
- CityU ranks No.2 in worldwide university SCI publication ranking on electronic engineering
- Professor S T Lee is named a CAS Academician
- Ninth championship for CityU men's team in inter-collegiate sports competition

13 April 2007

Teaching & learning / CityU gives recognition to students who excel in academic writing

By June Tee

Forty outstanding academic papers written by students of City University of Hong Kong (CityU) have been selected under the Outstanding Academic Papers by Students (OAPS) project and placed in the CityU [Institutional Repository](#), a digital online database for capturing the scholarly output of the University community.



Prof Frances Yao (third from right), Head of Department of Computer Science, presents certificates to students.

In recognition of their achievements, the 44 students who wrote the papers received certificates at a ceremony on 12 April. A selection of the papers is now on display in the Library Lobby.

The OAPS project, launched in 2005 as a joint initiative between the [Run Run Shaw Library](#) and academic departments at CityU, preserves the papers in digital format and shares them within the University and beyond. The aim is to encourage students to write better term papers, thus supporting the University's Outcomes Based Teaching and Learning initiative.

Professor Steve Ching Hsianghoo, University Librarian, said he was glad that the number of participating academic departments had risen from two to eight

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- OAPS to recognize students' outstanding research papers

Partners' Annual Meeting

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Summary

- University's research output is very valuable & expensive. What can we do to preserve them?
- IRs in HK have collected, preserved, disseminated:
 - 84,865 items, (26% full-text, 25% OA)
 - 3% journal articles of UGC research output
 - 1% conference papers of UGC research output
 - 86% PG theses
- Mandatory policy is the most effective means
- Future directions
 - Expand FT, OA, coverage in IRs
 - Seek institutional policy
 - Collaboration among JULAC institutions



References

1. Chan, Diana L.H. (2006) "Overview of the HKUST Institutional Repository" *Managing Scholarly Assets in Institutional Repositories: Sharing Experiences among JULAC Libraries*. Hong Kong, Feb 24, 2006, HKUST, available at: <http://hdl.handle.net/1783.1/2479> (accessed May 10, 2007)
2. Davis, Philip M., Connolly, Matthew J.L. (2007) "Institutional repositories: evaluating the reasons for non-use of Cornell University's installation of DSpace" *D-Lib Magazine*, March/April.
3. Hajjem C., Harnad S., Gingras Y. (2005) "Ten-year cross-disciplinary analysis of the growth of open access and its effect on research citation impact" *IEEE Data Engineering Bulletin* Vol. 28 No.4, pp.39-47 available at: <http://eprints.ecs.soton.ac.uk/11688/01/ArticleIEEE.pdf> (accessed March 24, 2007)
4. Rowlands, I., Nicholas, D. (2005) *New journal publishing models: an international survey of senior researcher*, available at: http://www.ucl.ac.uk/ciber/ciber_2005_survey_final.pdf (accessed March 24, 2007)
5. Sale, Arthur. (2006) "The impact of mandatory policies on ETD acquisition" *D-Lib Magazine*, April.
6. Swan, A., Brown S. (2005) *Open access self-archiving: an author study*, available at: <http://eprints.ecs.soton.ac.uk/10999/> (accessed March 24, 2007)