The University of Osaka
Institutional Knowledge Archive

Title	Institutional Repository at National Taiwan University
Author(s)	Chen, Kuang-hua
Citation	
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URL	https://hdl.handle.net/11094/14147
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Note	

The University of Osaka Institutional Knowledge Archive : OUKA

https://ir.library.osaka-u.ac.jp/

The University of Osaka

Institutional Repository at National Taiwan University

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Outline

- Background
  - Overview of IR
  - Research Archiving in Taiwan
  - Overview of development of IR in Taiwan
- NTU's experiences in IR
  - NTU Repository (NTUR)
  - System architecture and features
  - Contents of NTUR
  - Promotion for NTUR
- Copyrights in IR
  - Separation of copyrights
- TAIR and IR30 project
  - Goals and Visions
  - Current state and Participating Institutions
- Conclusions

Essence of Institutional Repository

- IR system has to try its best to display full texts of data items for users
- IR system can preserve research histories and results
- IR system is an excellent platform for knowledge preservation and sharing

Necessities of IR – Researchers' Viewpoints

- Traditional academic publishing models are too slow to keep up with fast-paced outputs of scientific researches
- Papers with full text available on web will have wide readership and citation rates
  - Take computer science for example
    Offline paper cited times: 2.74
    Online paper cited times: 7.03
    ⇨ Increase by 157%
    Source: Lawrence, S. (2001). Free online availability substantially increases a paper's impact. *Nature, 411*. Retrieved Jan. 21, 2008 from http://www.nature.com/nature/journal/v411/n6837/full/411521a0.html
- Open access will increase cited times from 50 % to 250%
  Source: Hajjem,C., Gingras, Y., Brody, T., Carr, L., & Harnad, S. (2005). Open Access to Research Increases Citation Impact. Technical Report, Institut des sciences cognitives, Université du Québec à Montréal. Retrieved Oct. 8, 2007, from http://eprints.ecs.soton.ac.uk/11687/
- As the Internet gains even wider usage, citation rates for online papers will continue growing quickly

Necessities of IR – Institutions' Viewpoints

- Possible to analyze and evaluate research categories, trends, and results
- Demonstrate research capacity via a single gateway
- Strengthen academic influence and raise visibility

- Cost to publish by publishers still increase, universities will need an alternative to disseminate research results
  - ArXiv (http://arxiv.org) as a dissemination system, it operates at a factor of 100-1000 lower cost than a conventional peer-reviewed system.

    Source: Ginsparg P (2001) Creating a global knowledge network. In: Proceedings of the second ICSU Press-UNESCO Conference on Electronic Publishing in Science (Elliot R, Shaw D, eds). Retrieved Jan. 21, 2008, from http://www.icsu.org/5_abouticsu/CDSI_web/EPS2/ginspargfin.htm.

Current State of IR's Development

- Many universities around the world have already launched IR systems.
- Most IRs have a collection of thousands items, few have that of ten thousands items.

- Currently only small number of countries have official policies to support IR development at the government level.
- However, the support is very active at the university level

- Few universities in Taiwan have installed their IRs; many have started planning IR; some have started deploying IR systems

Higher Education in Taiwan

- 163 universities and colleges including polytechnics

	Junior Colleges	Independent Colleges	Universities
Public	3	11	41
Private	13	42	53
Total	***16***	***53***	***94***

- Universities have to find ways to demonstrate academic or practical research results in terms of one identity

Research Archiving in Taiwan

- Journal articles
  - National library is responsible for services of table of contents and document delivery
- Conference papers
  - No systematic archiving plan
- Technical reports
  - No systematic archiving plan except few funding organizations
- Theses & Dissertations
  - Some universities have archived their own theses and dissertations with full texts
  - National library has archived printed theses and dissertations with digital abstracts for both. Some have digital full texts as well.

Why Need Institutional Repository

- especially for Taiwan or Asian Countries

- The number of published papers is large, but the citation rate is comparatively lower
- The following table shows statistics of paper published by the top ten universities in Taiwan from 1996 to 2006

University	Number of papers published		Paper cited		Highly cited papers	
	Numbers	Rank of the world	Cited times	Rank of the world	Numbers	Ratio
NTU	22,623	83	138,819	231	133	0.6%
NCKU	12,374	218	60,292	467	57	0.5%
NTHU	9,076	323	45,976	570	41	0.5%
NCTU	8,706	331	31,168	732	45	0.5%
YMU	5,724	486	44,975	576	18	0.3%
NCU	5,288	508	25,563	844	37	0.7%
NSYSU	4,858	534	18,666	1,050	13	0.3%
NCHU	4,118	619	18,452	1,058	4	0.1%
NTUST	3,424	727	12,518	1,383	5	0.1%
CGU	3,000	800	15,541	1,195	12	0.4%

Source: Huang, M. H. (2007). Taiwan：Towards the Challenge of The Top Universities in the World. *Evaluation Bimonthly, 5*, 16-21. Retrieved Jan. 21, 2007 from http://epaper.heeact.edu.tw/images/epaper_heeact_edu_tw/PDFFile/2007_0108_no005/5_4-4_16-21.pdf (in Chinese)

Building IR to Solve Problems

- Research outputs in Taiwan are scattered without information systems to present a whole picture of research achievements and to feature searching and browsing functions for potential users.
- Many operational information services provide only metadata and abstracts rather than full texts.
- No systematic way to deposit important digital materials such as conference papers and technical reports
- Institution's self-consciousness makes it to host a system as a persistent repository and an exchange platform for research results.

National Taiwan University Repository (NTUR)

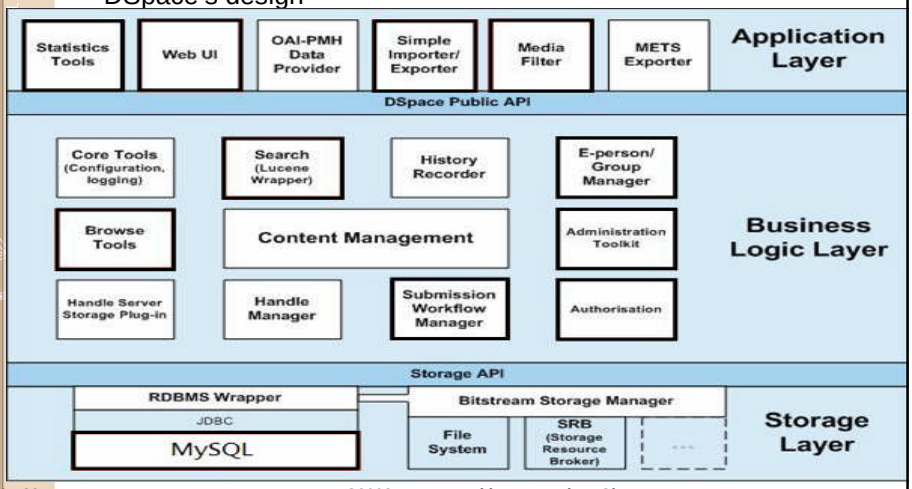
http://ntur.lib.ntu.edu.tw

Possible Solutions to IR Systems

- Purchase commercial software or services
  - Columbia University purchases the services provided by ProQuest, i.e., the Digital Commons.
  - However, Columbia University has decided to use DSpace in the near future.
- Use open-source packages
  - University of Michigan at Ann Arbor uses DSpace.
  - University of Southampton uses EPrints.
- Modify open-source packages
  - NTU Library modifies DSpace based on the local requirements to develop NTUR

System Architecture of NTUR

- Modules with thick line are modified by NTUR developing team
- Modules with thin line are remained the same as the original DSpace's design



NTUR System Functions (1/2)

- Community & Collection
  - Community is defined as the department of NTU
  - Collection can be defined by each community
- Main functions
  - Browsing by community & collection, date, title, and author
  - Full-text search with rich features for post processing
  - Language switch on the fly
    - traditional Chinese, simplified Chinese, and English
  - Upload & download ranking by author and community
  - Single sign on to NTUR
  - Data Submission

NTUR System Functions (2/2)

- No need to login for data browsing, searching and downloading
- Need to login for data uploading
  - Single sign on policy
  - Interactive mode
    - Faculty and Ph.D. students can upload data by themselves or ask contact staff to help
    - Master students and undergraduates have to ask contact staff to help
  - Batch mode
    - Only open to contact staff of departments or subject specialists of library

Potential Items in IR

- Journal articles
- Conference papers
- Dissertations and Theses
- Teaching or training materials
- Technical Reports
- Speech materials
- Preprints and postprints
- Any digital object

Items Acquisition

- Collect items from Internet and other databases
- Cooperate with interested departments first
- Consider different methods for different departments
- Hold promoting activities and workshops
- Explain the copyright issues
- Do not force faulty to participate but persuade them of advantages of IR
- Do not bother faculty but expect staff

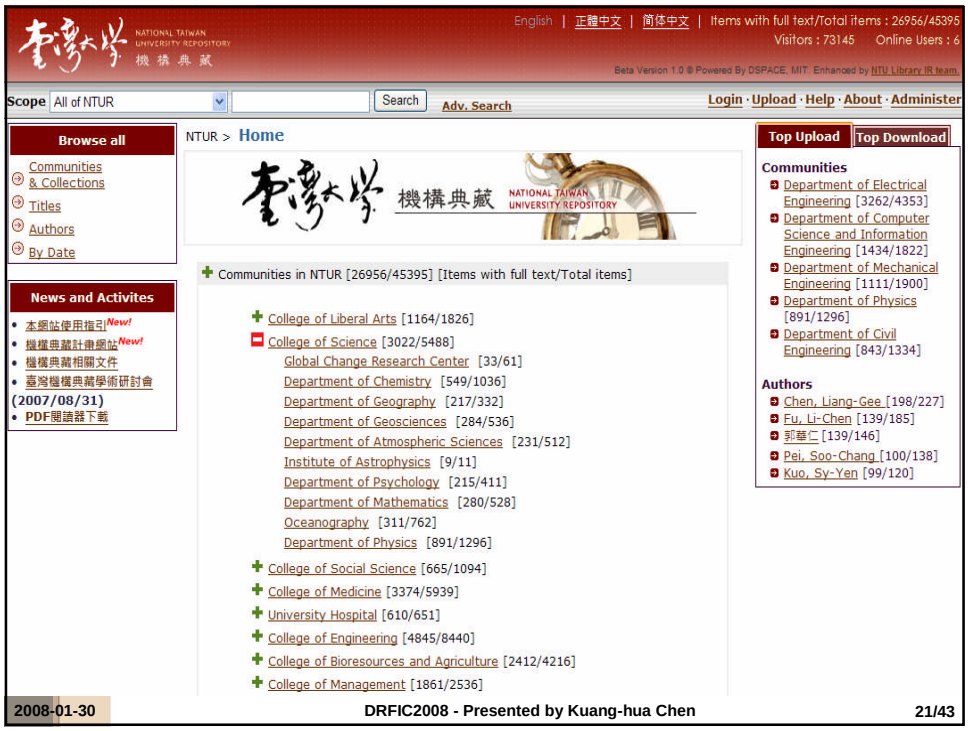
Number of Registered Items in NTUR

Updated on 2008-01-07

- Over 45,000 metadata records
  - Technical reports: 23,000
  - Journal papers: 4,000
  - Conference papers: 1,500
  - Theses and dissertations: 13,000
  - Others: 3,500 (from NTU press and websites)
- About 27,000 with searchable full texts
  - Technical reports: 9,000
  - Journal papers: 3,700
  - Conference papers: 1,300
  - Theses and dissertations: 11,000 (full-text indexing only)
  - Others: 2,000

Promoting Strategy

- Procedural level
  - The priority of archiving
  - Rights and mandatory
  - Interoperability among existent information systems
  - Users community
    - Setup contact window
    - Compile name list of faculty and graduates
  - Mechanism for long-term operation of IR
  - Cooperation with other unions or consortiums
- Administrative level
  - Administrative regulation for IR
  - Encouraging measures



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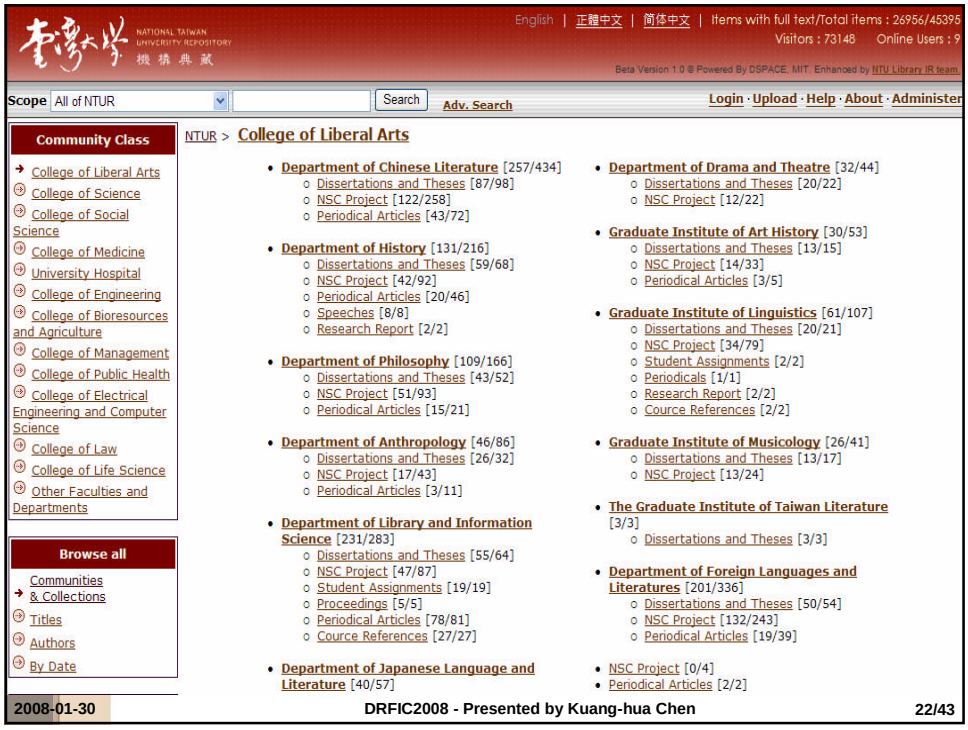

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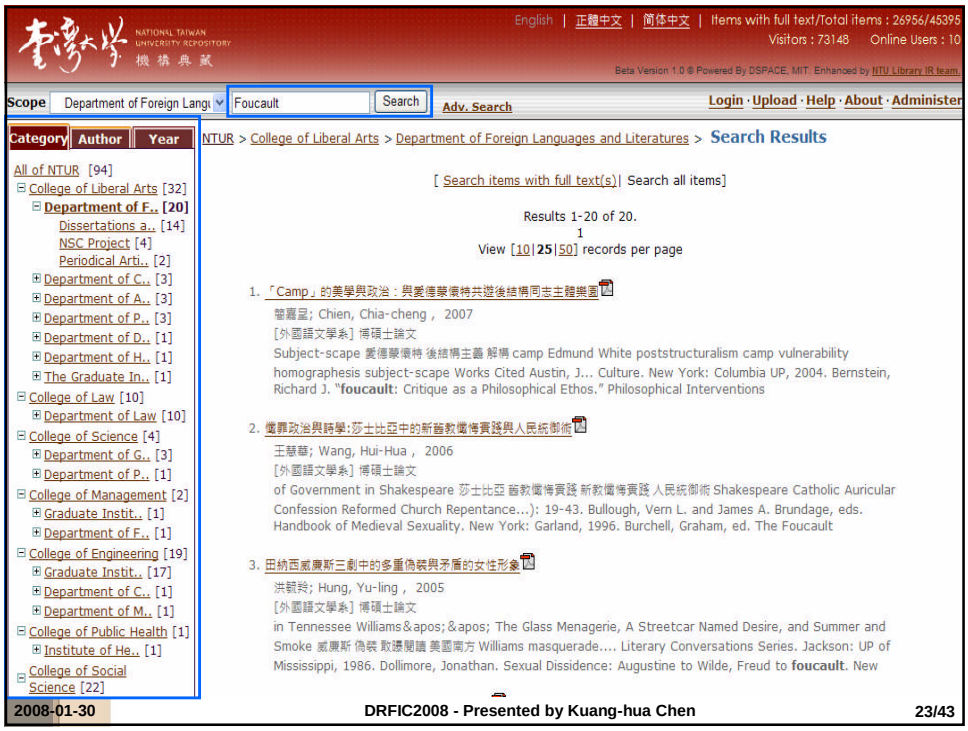
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王慧華; Wang, Hui-Hua , 2006
3. 田納西威廉斯三劇中的多重偽裝與矛盾的女性形象
洪毓羚; Hung, Yu-ling , 2005
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NTUR > College of Liberal Arts > Department of Foreign Languages and Literatures > Search Results
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3. 田納西威廉斯三劇中的多重偽裝與矛盾的女性形象
洪毓羚; Hung, Yu-ling , 2005
4. 歷史/敘述：《尤利西斯》中另類歷史的建構
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王慧華; Wang, Hui-Hua , 2006
[外國語文學系] 博碩士論文
;God's Promises. Literature Online. 9 May 2006. Keyword: Bale, John. ---. Johan Baptystes Preachynge. Literature Online. 9 May 2006. Keyword...): 19-43. Bullough, Vern L. and James A. Brundage, eds. Handbook of Medieval Sexuality. New York: Garland, 1996. Burchell, Graham, ed. The Foucault
2. 剝餘蕩力、暴力、女人：凱西•艾克的後人類女性主義
周俊男; Chou, Jun-Nan , 2006
[外國語文學系] 博碩士論文
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3. 性自主？性程指？—我國刑法性自主犯罪之分析與批判
林志鍵; Lin, Chih-Chien , 2006
[法律學系] 博碩士論文
codes regarding sexual violence crimes 性自主犯罪 傷害 sexual violence crimes foucault 華文部分(依作者筆劃順序排列)〈文章〉1. Sharon Marcus，吳育琳譯，何春蕤校訂..., and the Family》，London, New York: Routledge，1995 7. Dreyfus，Hubert L. & Rabinow，Paul，《Michel foucault: Beyond Structuralism and Hermeneutics》，Chicago
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Title: 新富層主、跨國移工、認同政治(2/2)
Authors: 蔡佩嘉
Contributors: 國立臺灣大學社會學系暨研究所
Keywords: 外籍勞工; 家務雇用; 社會界線; 認同政治
Date: 2006-01-31
Issue Date: 2006-08-23
Publisher: 臺北市：國立臺灣大學社會學系暨研究所
Abstract: 家務僱用關係弔詭地結合兩個特點，一是工作空間的私密性，二是社會資源的不對稱。勞雇雙方在生活上的親近可能導致社會區隔的混淆與曖昧，因而突顯畫界工作之日常儀式的必要性。僱用家務移工的家庭，因而成為探索台灣在引進外勞後的認同政治的重要研究場域。本研究針對三個不同面向的社會界線:階級、種族/國籍以及與性別相關的社會身分，來探討其中以區辨他者/他群(Other/them) 來指認自我/我群 (self/us)的認同政治，透過這些「新富層主」的經驗與認同，呈現出台灣社會階級形構的重要切面、性別關係與家庭型態的轉變，以及隨著跨國接觸的增加，更為複雜的族群認同。本研究引用「種族化」的概念來檢視檢視台灣仲介對於不同國籍的家務移工所施予的種族化論述，以及仲介如何透過招募、訓練過程來強化社會建構的族群差異。「種族化」指的是將特定社群的生物或文化特性標舉、界定為自然本質的社會過程。本研究透過經驗資料的收集針對菲律賓與印尼籍家務移工進行比較，由於近年來菲勞與印勞在此職業範疇中有數量上的相對消長，本研究探討這成此一現象背後的原因。仲介業者藉由類型化的刻板印象，建構出階層化的種族化他者，並且在移工的勞動市場中創造市場利基，以及工作內容、勞動權益上的區隔。
Appears in Collections: [社會學系] 國科會計畫
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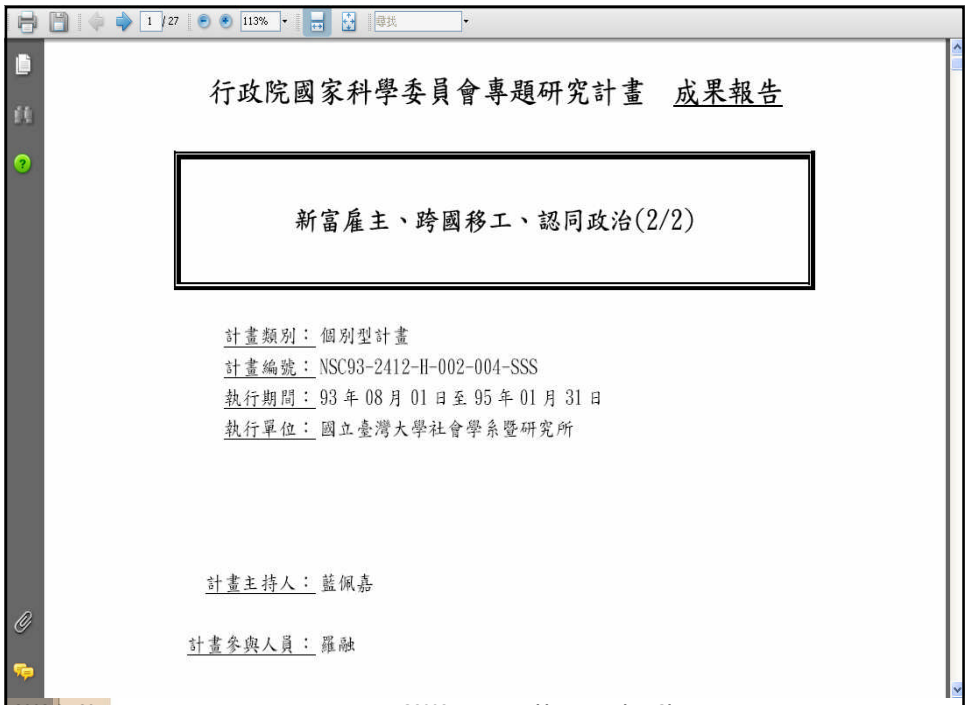

行政院國家科學委員會專題研究計畫　成果報告

新富雇主、跨國移工、認同政治(2/2)

計畫類別：個別型計畫
計畫編號：NSC93-2412-H-002-004-SSS
執行期間：93 年 08 月 01 日至 95 年 01 月 31 日
執行單位：國立臺灣大學社會學系暨研究所

計畫主持人：藍佩嘉

計畫參與人員：羅融

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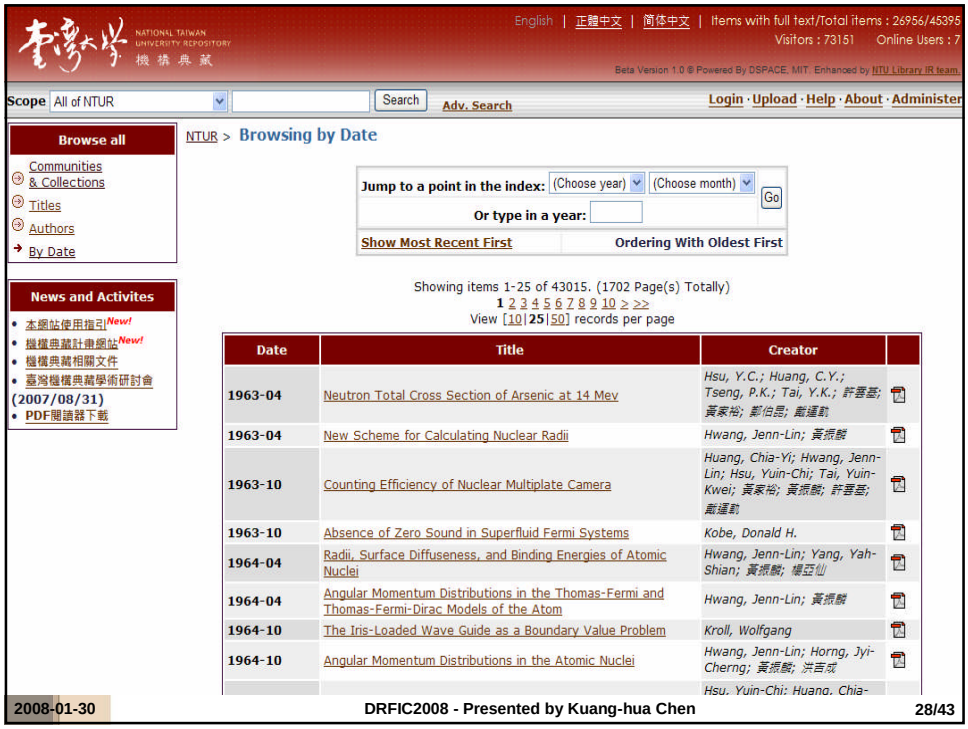

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- 機構典藏相關文件
- 臺灣機構典藏學術研討會 (2007/08/31)
- PDF閱讀器下載

NTUR > Browsing by Date

Jump to a point in the index: (Choose year) (Choose month) Go
Or type in a year:
Show Most Recent First Ordering With Oldest First

Showing items 1-25 of 43015. (1702 Page(s) Totally)
1 2 3 4 5 6 7 8 9 10 > >>
View [10|25|50] records per page

Date	Title	Creator
1963-04	Neutron Total Cross Section of Arsenic at 14 Mev	Hsu, Y.C.; Huang, C.Y.; Tseng, P.K.; Tai, Y.K.; 許晉哲; 黃家裕; 鄭伯昂; 戴運軌
1963-04	New Scheme for Calculating Nuclear Radii	Hwang, Jenn-Lin; 黃振麟
1963-10	Counting Efficiency of Nuclear Multiplate Camera	Huang, Chia-Yi; Hwang, Jenn-Lin; Hsu, Yuin-Chi; Tai, Yuin-Kwei; 黃家裕; 黃振麟; 許晉哲; 戴運軌
1963-10	Absence of Zero Sound in Superfluid Fermi Systems	Kobe, Donald H.
1964-04	Radii, Surface Diffuseness, and Binding Energies of Atomic Nuclei	Hwang, Jenn-Lin; Yang, Yah-Shian; 黃振麟; 楊亞仙
1964-04	Angular Momentum Distributions in the Thomas-Fermi and Thomas-Fermi-Dirac Models of the Atom	Hwang, Jenn-Lin; 黃振麟
1964-10	The Iris-Loaded Wave Guide as a Boundary Value Problem	Kroll, Wolfgang
1964-10	Angular Momentum Distributions in the Atomic Nuclei	Hwang, Jenn-Lin; Horng, Jyi-Cherng; 黃振麟; 洪吉成
		Hsu, Yuin-Chi; Huang, Chia-

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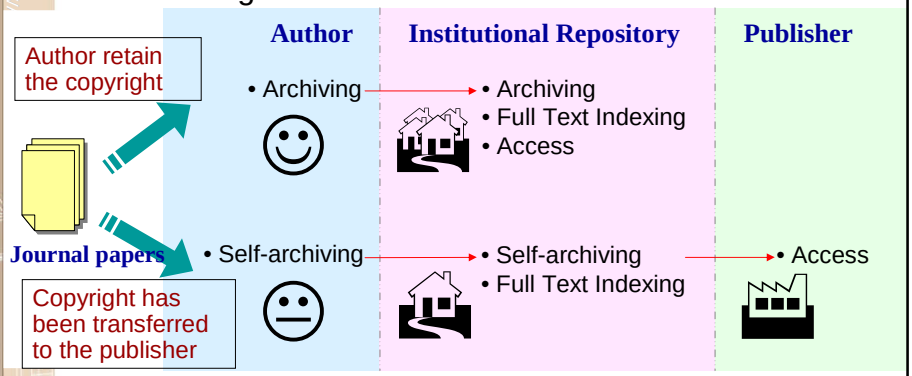
Copyrights in IR

Why can Archive Published Papers

- Separation of copyrights
  - Self-archiving right
  - Full-text indexing right
  - Access right
- Most publishers allow the first two rights at least according to the survey of SHERPA/ROMEO project
- If institutions have access right to some journals, IR systems should provide full texts for papers published in those journals
- Otherwise, IR systems have to carry out full-text indexes and then feature full-text search functionality for users
- If there are no full texts, IR systems have to provide metadata and informative links

Separation of Copyrights

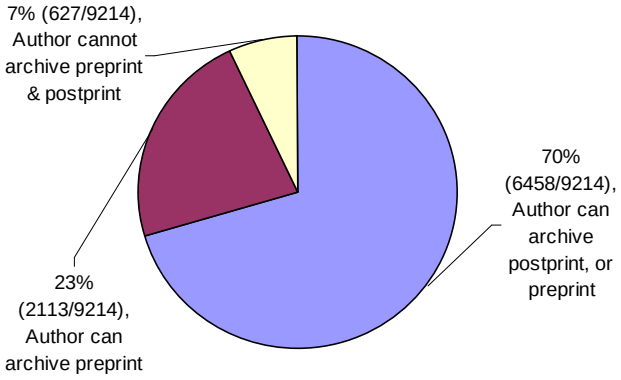
- Self-archiving right
- Full-text indexing right
- Access right



Source: Hsiang, J. & Hung, H.-Y. (2005). On Developing Digital Repositories in Taiwan. *Journal of Educational Media & Library Sciences, 43*(2), 173-189. Retrieved Jan. 21, 2008 from http://research.dils.tku.edu.tw/joemls/43/43-2/173-190.pdf (in Chinese)

Most Publishers Allow Self-Archiving in IR

- 93% publishers allow authors self-archive their papers in institutional repository based on the investigation of SHERPA/ROMEO project



Source: http://www.sherpa.ac.uk/romeo.php

Policies of Copyrights of Publishers

Publisher	Full-text index	Personal website	IR	Free public servers	Embargo period	Policy
Blackwell Publishing	Y	Y	Y	Y	Varying by journal	Author can post their version of the Article on their personal website, their employer's website/repository and on free public servers in their subject area.
Elsevier	Y	Y	Y			Authors of articles may also post the final version of their manuscript publicly on their personal website or their institution's website (including institutional repository).
Nature	Y	Y	Y		Six months	Authors are encouraged to archive their version of the manuscript in their institution's repositories and on their personal web sites.
Oxford	Y		Y			Authors have the right to deposit the postprint and/or URL or PDF of the finally published version of the article into an institutional or centrally organized repository.
IEE/IEEE	Y	Y	Y			Authors and/or their companies shall have the right to post their IEEE-copyrighted material on their own servers without permission.
Springer-Verlag	Y	Y	Y			An author may self-archive an author-created version of his/her article on his/her own website and his/her institution's repository.
ACM	Y	Y	Y	Y		Authors retain the right to post author-prepared versions of the work in a personal collection on their own Home Page and on a publicly accessible server of their employer.

Copyrights in Taiwan - Situations

- 10% of academic publications are published by international publishers
- The copyright of 15% of academic publications was transferred to domestic publisher
- The copyright of 25% of academic publications was reserved by authors (non-exclusive license, or open access)
- The copyright of 50% of publishers was not specified owner

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Copyrights in Taiwan - Solutions

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  - Send email to authors to get non-exclusive license
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  - Discuss with these publishers
- Papers with copyright retained by authors
  - Get the non-exclusive license from authors when they upload papers to IR systems
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Taiwan Academic Institutional Repository (TAIR) & IR30 Project

http://ir.lib.ntu.edu.tw/

TAIR

- Reach a consensus of “many institutional repositories, a centralized gateway”
- Raise visibility and respectability of Taiwan’s researches
- Present Taiwan’s research capacity as a whole
- Contribute to research communities all over the world

Goals and Visions of TAIR

- Build a mechanism for “many institutional repositories, a centralized gateway”
  - “Many institutional repositories” will remain the specialty of each institution and demonstrate its research outputs
  - “A centralized gateway” will present achievements of researches of Taiwan as a whole
- A gateway for IRs in Taiwan
  - Short-term goal
    - Federated search for metadata via OAI-PMH
  - Long-term goal
    - Federated search for full texts via centralized indexes or meta-search

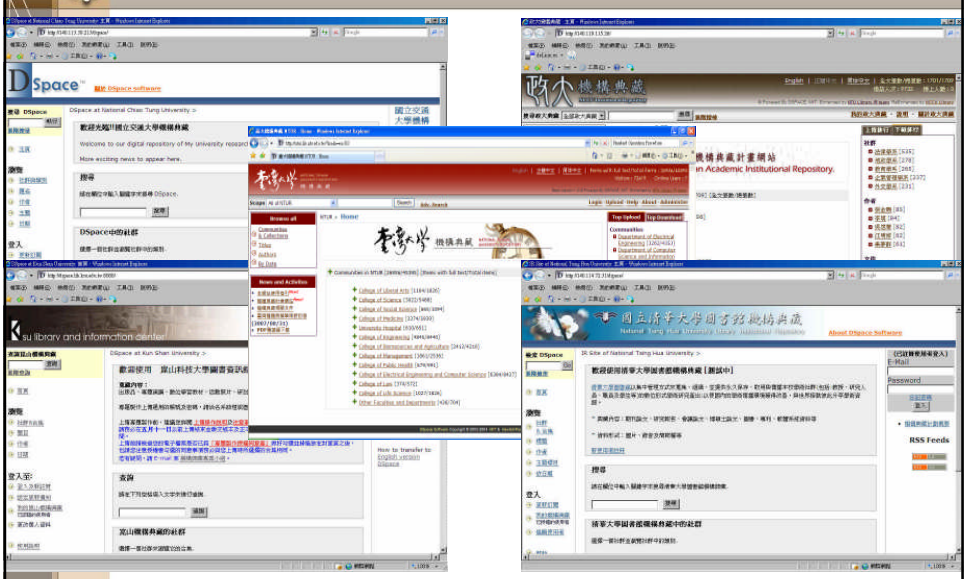
IR30 project (1/2)

- Conform to “many institutional repositories, a centralized gateway” to push institutions in Taiwan to construct their own IR systems
- Help at least 30 institutions to build their own IR systems by May 2008
  - NTU selects 6 seed institutions with qualified IT technology based on the regional distribution and helps them to deploy IR systems
  - Each seed institution helps other institutions near by to deploy IR systems
  - Invite institutions with deployed IR systems to join TAIR
- Up to Dec. 2007, 22 universities and 36 polytechnics join IR30 project

IR30 Project (2/2)

- NTU release NTUR package with comprehensive manuals and training materials
  - Free IR software, NTUR, (DSpace enhancement)
  - Technical documents and user’s guides
  - System functional requirements
  - Standard Operating Procedure (SOP)
  - User’s FAQ
  - Training materials
- Hold workshops for promotion of IR concepts and construction of IR systems

Seed Institutions



Conclusions

- Government funds construction of IR
  - NTU is responsible for implementation of IR package
  - NTU will release IR package and help other institutions
- Implement our own IR package based on open-source software
- We have effective development strategy
  - Seed institutions go first
  - Participating institutions follow up
  - A tree scheme for effective and efficient development
- Polytechnics are interested in IR particularly
  - IR systems can demonstrate the specialties of polytechnics
- TAIR will be a gateway with federated search for full texts via centralized indexes or meta-search

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Thank you

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for our institutional repository