KNOWLEDGE EXCHANGE
Mutual Benefits Realized

David Palmer
The University of Hong Kong (HKU)
Online Information Asia-Pacific, 2011
Knowledge Transfer (KT)

Universities
- Moreover Universities have been deemed to be "the great, largely unknown, and certainly underexploited, resource contributing to the creation of wealth and economic competitiveness."-- "University and the creation of wealth". Holland. 1999.

Precedents: OECD, Research Councils UK (RCUK), Canadian Institutes of Health Research (CHIR), The University of Melbourne, etc.
- Third Mission, and various

2009. HK University Grants Committee (UGC)
- HK$50M / year to 8 institutions
  - "the systems and processes by which knowledge including technology, know-how, expertise and skills are transferred between higher education institutions and society, leading to innovative, profitable or economic or social improvements"
HKU’S INTERPRETATION OF KT IS KNOWLEDGE EXCHANGE (KE),

Emphasizing a two way exchange between HKU and its community
UGC’s KT ➔ HKU’s KE

- **HKU Mission & Vision Statements**
  - a) Research, b) Teaching & Learning, and c) KE

- **HKU: Strategic Development 2009 ~ 2014**
  - “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…”
  - **Operational Priority:** “... setting up a database to record knowledge exchange activities in the University and improving communication within and outside the University, we will facilitate dissemination of information and serve as an exchange hub.”
1ST ROUND OF KE FUNDING

- HKU Libraries: 3 KE Proposals Succeeded!
  - 1) HKU Bibliometric Data Correction
    - Scopus, Web of Knowledge (WoK), & Google Scholar
  - 2) Springer Open Choice Publishing
    - Sep 2010: 70 HKU OA articles on SpringerLink & The Hub
Springer Open Choice @ University of Hong Kong

Faculty and students affiliated with HKU are now encouraged to use the Open Choice option to publish their articles. The published articles can be accessed immediately by anyone anywhere.

About the agreement
In March of 2010, HKU Libraries and Springer reached an agreement which allows researchers at the affiliated institutions of HKU to publish their research in Springer journals using Springer Open Choice. Springer's Open Choice program offers full and immediate open access (free to the reader) for articles that are accepted for publication after a process of rigorous peer-review. Accepted HKU articles will appear as usual in Springer print journals, and will be published electronically using open access on SpringerLink and the HKU institutional repository, The HKU Scholars Hub. The pilot project will run from March 2010 to March 2011.

Open access made easy
Most Springer journals are hybrid journals allowing this Open Choice option. A list of these journals can be found here (please login with your HKU Portal ID):

List of Open Choice enabled journals at The HKU Scholars Hub

You will be offered the open choice option once your article has been accepted for publication after peer review. The cost of having your article published with open access is covered by the agreement between HKU and Springer.

Authors' Benefits
- Publish open access in renowned journals
- Your article is available for free to everyone everywhere
- The research cycle, “research - publish - research” is much faster
- Prompt delivery to HKU Scholars Hub and PubMed Central
- No copyright transfer needed
3) KE Exchange Hub

HKU’s Institutional Repository: “The HKU Scholars Hub
- KE’s “Database of visible research & expertise”

Before,
- Item centric, records on publication items
- Because? Open Access

Now,
- Records on other objects also, interlinking
  - 25,000 Grants
  - 1,500 HKU ResearcherPages (RP)
    - Authority Control
    - Allow editing by RP owner, with HKU Single Sign-on
    - Harvested from several separate silos, HKU & beyond
- Why? To make HKU research & researchers highly visible

Our development partner:
- CILEA, Consorzio Interuniversitario
  - [http://www.cilea.it](http://www.cilea.it)
The HKU Scholars Hub is the institutional repository of The University of Hong Kong. It aims to exploit the intellectual output of HKU and make it available to the widest possible audience. Records are made in the Hub for items that are fulltext open access, or for URLs that hyperlink to the same.

The HKU Medical Faculty is a world leader in research and healthcare.

Quick search of The Hub

Search the author, title, abstract and series fields.

Search

For phrase search, please use quotation marks, for example, "Wann, John", or "Behavior Therapy".

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.

Featured Scholar

Prof. L. Samarangane
An interview with the HKU Dean of Dentistry on the role the Hub plays in research impact and knowledge.
Authority Control

Hierarchy of Authority & Synonymy
- Authorized headings
- Variant headings

Multi-script Synonymy
- Roman, Traditional Chinese, Simplified Chinese, Japanese, Korean, etc. (UTF-8)
Keywords: Profiometry, Logical moire, Phase shifting, Scanning moire structured light, Protected drawings

Issue Date: 1994

Publisher: SPIE - International Society for Optical Engineering. The Journal's web site is located at http://www.spie.org

Citation: Optical Engineering, 1994, v. 33 n. 6, p. 2760-2769 [How to Cite?]

Abstract: Two optical methods are proposed for shape measurement and defect detection of curved surfaces in the form of a complete 360-deg profile of the object. The first one is the standard structured light approach. Display of the resulting data is the emphasis of this section. The second approach uses modulated structured light with a scanning digital camera for faster and simpler data acquisition. Quantitative processing is done offline while real-time moire produces enhanced display of the defects for qualitative analysis.

ISSN: 0091-3286
2009 Impact Factor: 0.653

DOI: 10.1117/12.176507

Find published version via WebBridge

Persistent Identifier: http://hdl.handle.net/10722/42403

Appears in: Mechanical Engineering: Journal/Magazine Articles

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File | Size | Format
--- | --- | ---
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This item is cited by other documents in WoS
• Cited 18 times in WoS
• Related records in Web of Science® [Click to see Related Records®]

This item may be cited by other documents in Google Scholar
• Search for citations in GS [Google Scholar]

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Prof Bacon-Shone, John Hugh

Associate Dean of Social Science
Director, Social Sciences Research Centre
Associate Director, Knowledge Exchange Office
Chairman, Human Research Ethics Committee for Non-Clinical Faculties

About HKU ResearcherPages

- HKU ResearcherPages sustain and enhance the research reputations of HKU authors and their institution. They enable Knowledge Exchange between HKU and the community in Hong Kong, China, and the...
**Principal Investigator, Research & Conference Grants**

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Funding Year</th>
<th>Status</th>
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<tr>
<td>101456</td>
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**Project Title:** Statistical Models for Ranked Choices

**Keywords:** Ranking, statistical model

**Principal Investigator(s):** Professor Bacon-Shone John Hugh

**Co-Investigator(s):** Dr Lo Victor

**Project Title:** Modelling Compositional Processes

**Keywords:** compositional data, spatial mixing, temporal mixing, constraints

**Discipline:** Others - Mathematics, Earth Sciences

**Principal Investigator(s):** Professor Bacon-Shone John Hugh
1) ResearcherPage View Count (From Dec 2010)

1a) RP Views by Region

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<th>Region</th>
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<td>EUR - Europe</td>
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<td>HKU - The University of Hong Kong</td>
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<td>HK - Hong Kong</td>
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<td>ASIA - Asia, other</td>
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<tr>
<td>JPN - Japan &amp; Korea &amp; Taiwan</td>
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<td>AFR - Africa</td>
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1b) RP Views by Country

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<td>HKU - The University of Hong Kong</td>
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<td>HK - Hong Kong</td>
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<td>IT - Italy</td>
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<td>DE - Germany</td>
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### Author Impact Analysis - Perform a citation analysis for one or more authors

#### Results

<table>
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<tr>
<th>Author's name</th>
<th>Papers</th>
<th>Cites/paper</th>
<th>Citations/year</th>
<th>Citations/author</th>
<th>Authors/paper</th>
<th>HI index</th>
<th>e index</th>
<th>c index</th>
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<tr>
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<tr>
<td>714</td>
<td>1</td>
<td>156</td>
<td>Tam, Ph.D.</td>
<td>A human centromere physical map of over 3.1 million SNPs</td>
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#### Publication Details

- **Year of Publication**: 2017
- **Publisher**: Nature
- **URL**: [nature.com](http://nature.com)

#### Other Details

- **Journal**: Nature
- **Volume**: 2017
- **Issue**: 1

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**Note**: The table and chart shown are from a web interface of a publication analysis tool, showing citation metrics and details for a specific author (Tam, Ph.D.). The data includes the number of papers, citations, and other bibliographic information.
Dr McAlonan, Grainne Mary
Assistant Professor
Deputy Chief of Research

<table>
<thead>
<tr>
<th>Bibliometrics, external</th>
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<td>AuthorID: 6603123011</td>
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<table>
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<tr>
<td>Hub items with PMC ID: 3</td>
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<td>Citation count of Hub items in PMC: 16</td>
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<td>Hub items cited In PMC: 6</td>
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On any relevant search, entry for Hub usually comes at top of page.
KE ➔ MUTUAL BENEFITS EXPECTED

- University, Department, and Individuals must report on KE Key Indicators
  - Item count of HKU Theses in Open Access
  - Item count of HKU research in Open Access
  - Applications for patents
  - Download counts of the above
  - Number of staff for media contact
  - Number of collaborative researches
  - Number of contract researches
  - Number of consultancies, and income thereby generated
  - Number of invited public lectures, symposia, exhibitions, performances & honorary degree speeches
  - Number of University staff invited to be mentors
  - Number of positive media impact related to knowledge transfer coverage, including print, online and electronic media
  - Number of appointments of external members to HKU advisory boards
Unexpected Benefits
HKU KE’s Database of Visible Research

- “Exchange hub” to do, show & measure HKU KE
  - Provides several key indicators on HKU KE

- Automated updates to departmental web sites
EXPERT FINDER

- Experts for media comment
  - Area of Expertise, Languages spoken & written
- Collaborative & Contract Research
- Team building for grant applications
- Speaking engagements & opinion pieces
- Etc.
CURRENT RESEARCH INFORMATION SYSTEM (CRIS)

- Decision support
- Policy making
- Assessing results
- Fund allocation
- Avoid duplications
- Etc.

- University Rankings
- Research Assessment Exercises
- Performance Appraisal
THE REPUTATION OF THE UNIVERSITY?
REPUTATION MANAGEMENT

- Institutional
- Personal
  - Bibliometrics: Paper & Citation Count
  - Peer Review
KE ALIGNS LIBRARY WITH HKU’S MISSION

- OCLC Report
  - Provide a Researcher-centered view
    - Curate the institution’s research output
    - Provide expertise in bibliometrics for RAEs
  - 7 recommendations
    - #3 – Libraries should manage research outputs data at national & international scales
    - #4 – Libraries should take responsibility for the efficient operation of research output repositories across research environments
    - #5 – Libraries should provide expertise in bibliometrics
    - #6 – Libraries should provide usage evidence

A Win-Win Solution

- Libraries work to increase visibility & reputation
- All benefit
  - The researchers
  - The University
  - The Libraries
  - Measures of OA
  - Measures of KE
Thank You
谢謝您
Grazie
спасибо
شكرا لك
감사합니다
cảm ơn bạn
धन्यवाद
Σε ευχαριστώ
תודה
有り難うございます
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http://hdl.handle.net/10722/132159