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Digital scholarship research and the Library: the impact of new technologies

LOUISE JONES, CHINESE UNIVERSITY OF HONG KONG



Louise Jones

University Librarian, CUHK Library

The Chinese University of Hong Kong and its Library



對文社

numbers@cuhk

QS Rankings

8th
in ASIA



46th
in the WORLD

Financial Times MBA Rankings

1st

in ASIA in
career progress

1st

in East ASIA in salary
percentage increase



20,100+
Students enrolled

186,400+
Alumni

Reuters ASIA's
Most Innovative
Universities

1st
HONG KONG

QS Rankings

20th in Communication
& Media Studies

23rd in Accounting
& Finance

THE Rankings

20th in Education

27th in Law

70+

Undergraduate
programmes offered

7,720+

Scholarships



Total amount
HK\$150m+

4,700+

International students
from 50 locations

600+

Worldwide internships
every year



No. of outgoing exchange
students 2015-16

7,100+

No. of incoming exchange
students 2015-2016

3,000

80

Research institutes &
joint research units



CUHK Library



**Upper campus :
New Asia College Library,
United College Library**



**Central campus:
University Library,
Law Library**



**Lower campus:
Chung Chi College
Library,
Architecture Library**



**Medical Library at Prince
of Wales Hospital**



Library Resources

2,695,110
Holdings (volumes)

6,130
Periodicals (titles)

4,231
Seats

4,048,359
Electronic Books

843
Electronic Databases

607 Public Computers

142,311
Electronic Journals

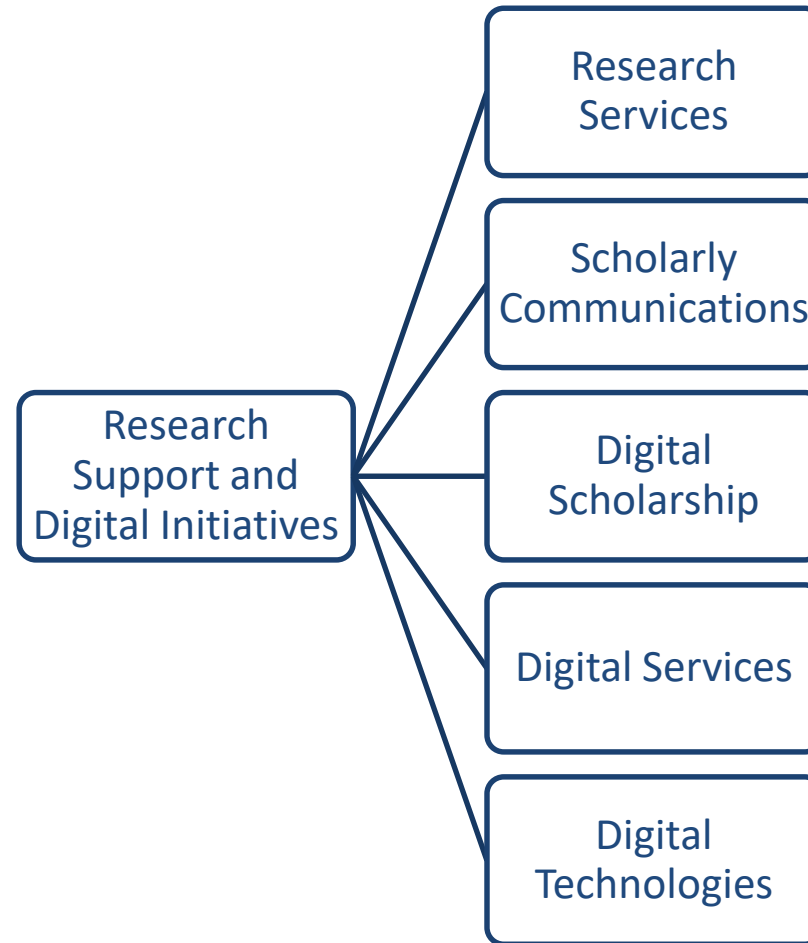
61,546
Registered Library Users

Transforming our research support

Library strategy 2017-2020

Through our research services and collections we will support the University's research and emerging interdisciplinary strengths throughout the research lifecycle. We will champion new forms of scholarship and the practice of open scholarly communication.

- Strengthen our services and collections for emerging areas of research at CUHK, including digital humanities and digital scholarship.
- Advance open scholarship.
- Support the dissemination of CUHK research outputs to the world.
- Foster discussions on research data services.
- Collaborate with CUHK researchers to build and curate unique collections that serve their research interests.
- Sustain our innovative offering to an increased research postgraduate population.



Why digital scholarship?

(M. Vandegrift, 2012)

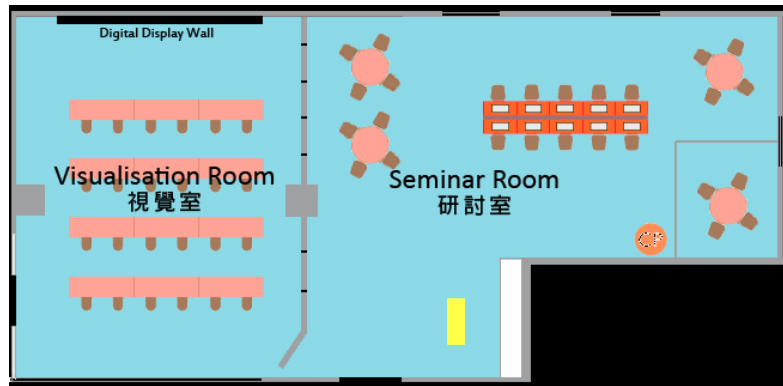


Mission	Strategy	Action Plan	Approach
<ul style="list-style-type: none">Promote and support digital scholarship research through its entire research life-cycle	<ul style="list-style-type: none">Foster collaborative partnership with Faculty and researchers	<ul style="list-style-type: none">Build a Digital Scholarship lab with a package of services, collaborative space, tools, and projects	<ul style="list-style-type: none">The Lab – Flexible, Easy to use, SustainableStaffing – start from smallServices – innovative, bold to experiment, quick response

Digital Scholarship Service

- Support for Digital Scholarship projects
 - Sourcing of research data and information
 - Consultation
 - Project Planning and Management
 - Technology Support
- Training Workshops & Seminars
- Consultation on Digital Scholarship research
- Data services
- Promotion Events
- Provide learning resources

Digital Scholarship Lab

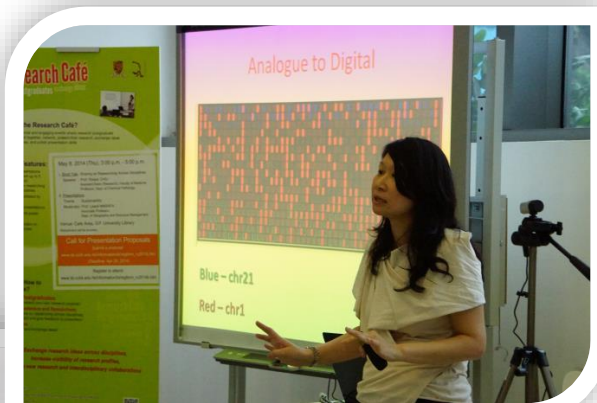






Engagement


- Initial consultation group of Faculty to design the service and Lab
- Attend Faculty internal meetings
- Tailor-made presentations and briefings on specific services
- Proactively liaise with research seminar and conference organisers, offering them the Lab as a venue
- Meet with individual faculty
- Social media (Blog, Facebook, Twitter) and print promotional materials
- Use links with research postgraduate network and student association


Engaging with Research Postgraduates



Workshops







Digital Scholarship & Research Data Workshops (Sep - Nov 2017)

Using Facilities in Digital Scholarship Lab

12 Sep (Tue) 2:30 – 3:00 p.m.
14 Sep (Thu) 11:30 a.m. – 12:00 noon

Digital Humanities: Introduction to Tools and Methodology


6 Oct (Fri) 10:30 a.m. – 12:00 noon
23 Oct (Mon) 2:30 – 4:00 p.m.

Introduction to GIS & ArcGIS

16 Oct (Mon) 3:00 – 4:00 p.m.

ArcGIS Basics for Digital Scholarship Projects (Hands-on)

19 Oct (Thu) 2:30 – 4:30 p.m.
31 Oct (Tue) 10:30 a.m. – 12:30 p.m.




Data Visualization in Action - R

12 Oct (Thu) 11:00 a.m. – 12:30 p.m.
17 Oct (Tue) 3:00 – 4:30 p.m.


Data Visualization in Action - Gephi (Hands-on)


3 Nov (Fri) 10:30 a.m. – 12:00 noon
9 Nov (Thu) 2:30 – 4:00 p.m.



Analyzing Texts Using Voyant Tools (Hands-on)

18 Oct (Wed) 11:00 a.m. – 12:00 noon
25 Oct (Wed) 3:00 – 4:00 p.m.





Organized First Digital Scholarship Symposium 31.03.2017



Academics from CUHK and other institutions presented their digital scholarship research and explore the roles of the Library

Digital Scholarship Symposium

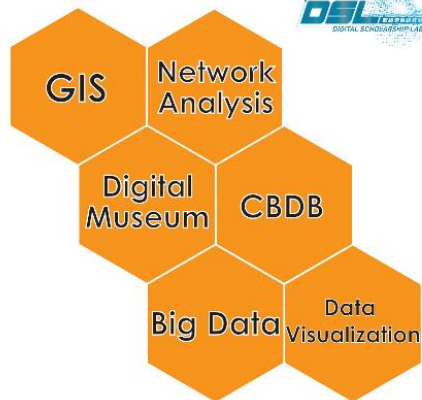
Exploring Digital Scholarship Research at CUHK and Beyond

31 March, 2017 (Friday)

Digital Scholarship Lab,
University Library

Registration: <https://goo.gl/Bu0Ih2>

Enquiries: dslab@lib.cuhk.edu.hk



Symposium

9:00 a.m. - 12:35 p.m.

GIS and Big Data for Urban Applications

Prof. HUANG Bo
Department of Geography and Resource Management
Faculty of Social Science

Guangzhou Daoist and Popular Temples Studies and the Development of Daoist Digital Museum

Prof. LAI Chi Tim
Department of Cultural and Religious Studies
Faculty of Arts

A Cyberinfrastructure for Studying Chinese History: A Proposal based on the Experience of the China Biographical Database Project

Dr. TSUI Lik Hang
China Biographical Database
Harvard University

Re-presenting Web Use as Networks

Prof. WU Xiao, Angela
School of Journalism and Communication
Faculty of Social Science

The Social Network of an Early Republican Literary Magazine: a Visualization with Gephi

Prof. YE Jia, Michelle
Department of Translation
Faculty of Arts

A Collaborative Project in Opening Research Data: Archaeological Sites Mapping in China with GIS

Ms. Kitty SIU (co-authored with Prof. Celine LAI)
Library

Post-symposium Workshop

2:30 p.m. - 4:00 p.m.

Digital Tools for Chinese Studies: The China Biographical Database (CBDB) and More

Dr. TSUI Lik Hang
China Biographical Database
Harvard University

Join us to explore the possibilities in conducting digital scholarship research!



Some success in the past 18 months

- A total of 62 events and activities were held with 1,700 participants at the lab: research seminars, conferences, classes, tutorials, and other research-related activities
- A total of 300 visitors including Faculty
- Growing no. of users attend library workshops:
 - 2016 Mar – June: 7 workshops, 43 participants
 - 2016 – 2017: 24 workshops, 142 participants
 - 2017 Sep to Oct – 7 workshops, 212 participants

Digital Scholarship Consultation Hours

Data, Tools and Beyond

NEW

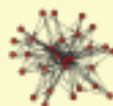



The Digital Scholarship team offers help to your **digital scholarship research projects** and ideas!

- Digital Scholarship Lab facilities
- Identify sources of research data and materials
- Research software and other tools, e.g.



- Data visualisation



- Copyright advice on the use of research data and materials 

Hours: **Every alternate Tuesday**,
3:00 – 5:00 p.m. during term time
starting from 10 October, 2017

Dates: **October: 10, 24**
November: 7, 21
December: 5, 19

Venue: **Digital Scholarship Lab**, G/F,
University Library

Contact: dslab@lib.cuhk.edu.hk



First collaborative research project



香港中文大學圖書館

The Chinese University of Hong Kong Library

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Digital Scholarship Services

Digital Scholarship Lab

Related LibGuides

Contact Us

Introduction

Map of Archaeological Sites

Methodology

Dataset Use Guide

Dataset - Northern China, ca.1200 –
ca.1050 B.C.

Dataset - Hunan Province, ca.1300
– ca.1000 B.C.

Terms of Use

GIS Mapping and Archaeology of Early China - Phase I: Shang Archaeology



GIS Mapping and Archaeology of Early China 地理信息系統利用與早期中國考古

This project is collaboration between the Digital Scholarship Lab and archaeologists. In 2015 and the present, the officers of the Lab have been working with Professor Liang to document her research data collected between 2005 and the present, regarding the Yellow River valley during the first millennium.

Introduction

Map of Archaeological Sites

Methodology

Dataset Use Guide

Dataset - Northern China, ca.1200 –
ca.1050 B.C.

Dataset - Hunan Province, ca.1300
– ca.1000 B.C.

Terms of Use

Map of Archaeological Sites

The archaeological sites studied in this project are displayed in this map. Please click on the and read the information of the sites and bronze nao found.



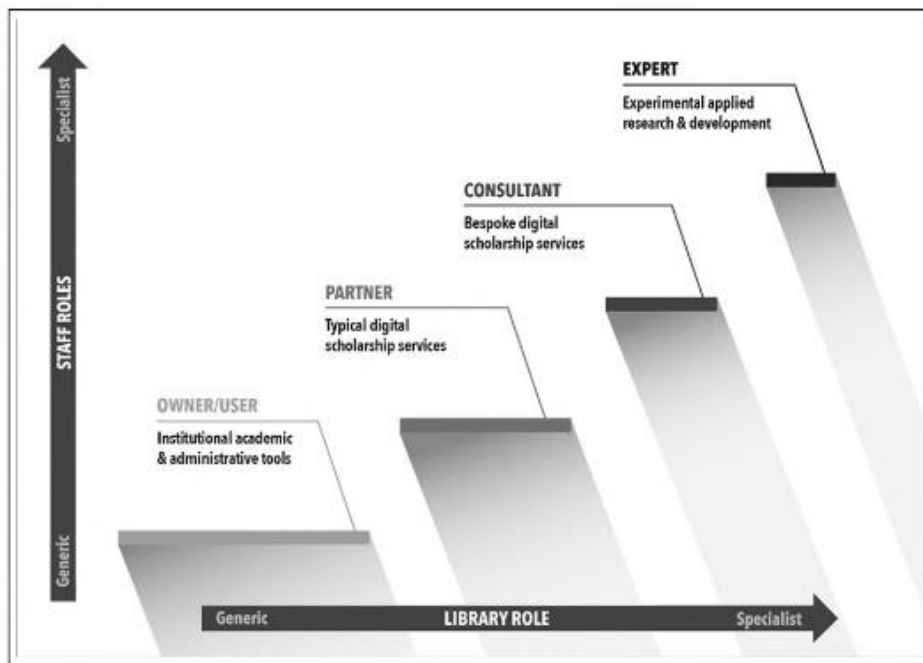
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Map data © OpenStreetMap contributors, CC-BY-SA

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If we build it, will they come?



Source: Mackenzie, A. (2016). Digital scholarship: scanning library services and spaces. In *Developing digital scholarship: Emerging practices in academic libraries*. Edited by A. Mackenzie & L. Martin. London: Facet Publishing.



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Chinese University of Hong Kong

CLIR Digital Scholarship Postdoctoral Fellowship

The Chinese University of Hong Kong (CUHK) Library invites applications for a two-year CLIR Postdoctoral Fellowship in Digital Scholarship from 2017 to 2019.

CUHK Library is committed to supporting digital scholarship as one of our key strategies for transforming our research support services. A new team, Research Support & Digital Initiatives (RSDI), was established in July 2015 to focus resources in this area. A Digital Scholarship Lab was opened in March 2016 to provide a cutting-edge space and tools including a data visualization wall for researchers and students to immerse themselves in digital scholarship research. The Library also provides rich materials for digital scholarship research. Our Special Collections range from Shang dynasty oracle bones to modern Chinese literary archives. Digitization of these precious materials started in the 1990s and is ongoing. The digitized images are accessible at CUHK Digital Repository. With all these resources and investment, the CLIR Fellow will report to the Head of RSDI to promote digital scholarship research by leveraging our expertise, collections and services. A key success factor is outreach to faculty to foster working partnerships. The fellow will be encouraged to explore enhancing the Library's digitized materials to support different research and learning pedagogies, in particular, digital scholarship research.

Responsibilities

- Lead CUHK Faculty and researchers in discussions about digital scholarship research in order to promote and raise awareness of this new kind of scholarship on campus.
- Explore areas requiring library research support and propose strategies meeting the needs identified.
- Identify current and emerging digital scholarship projects at the University and foster collaboration with faculties on these projects.
- Work collaboratively with Faculty and relevant library staff to deliver agreed research projects including advice on project management, and the use of digital scholarship tools and software on GIS, text-mining, data visualization, text analysis, etc.
- Organize training activities and events including workshops and research seminars on digital scholarship methodologies, tools and emerging trends, or other topics related to digital scholarship.
- Conduct research in digital scholarship independently.

Qualifications

Required

- PhD in any discipline relevant to digital scholarship/digital humanities obtained within the last five years of the beginning of the fellowship in July 2017.
- Ability to communicate and interact with Faculty and researchers; and to foster collaboration in digital scholarship research.
- Understand the application of digital technologies and tools in research projects and able to provide consultation and guidance to Faculty and researchers to promote digital scholarship research in the campus.
- Fluent in Chinese (Mandarin and/or Cantonese), including reading traditional script.
- Excellent communication, presentation, interpersonal and problem-solving skills.
- Ability to work independently and collaboratively with relevant units of the Library and the University.

Preferred

- A good track record in digital scholarship research or related research projects.
- Experience in research project management.
- Knowledge of trends and tools in data visualization.

Thank you

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