Date: February 25th — February 27th, 2015

Venue: University Library, Hong Kong University of Science and Technology

Registration Fee: $3,200 HKD, including all materials, lunch and refreshments each day

To Register: Contact Dr. Sam Chu (samchu@hku.hk)

Purpose:
To meet the increasing need of academic librarians in Hong Kong (and neighboring regions) for capability in data curation and related theories, techniques and best practices.

Instructors:
Dr. J. Stephen Downie  
Professor and Associate Dean for Research, GSLIS, University of Illinois

Mr. Nicholas Weber & Ms. Andrea Thomer  
Data scientists and researchers, GSLIS, University of Illinois

Dr. Xiao Hu  
Assistant Professor, University of Hong Kong

Format:
- 3-day, on-site, intensive training program
- Keynote presentations & lectures
- Case studies featuring interactive discussions covering each study
- Hands-on lab exercises held in e-learning classrooms with support from trained assistants from HKU
- Online interactive lectures with metadata expert Dr. Jerome McDonough (Associate Professor, GSLIS, University of Illinois) and Dr. Heidi Imker, Director of Research Data Services at the University of Illinois Library
**Anticipated Audience:**
The targeted audience is academic librarians in Hong Kong and neighboring regions, assumed to have Master’s degrees (or higher) in librarianship along with introductory level education on data curation. Given the assumed level of experience, this program will mostly cover intermediate level content and be most helpful to individuals working in mixed subject domains: humanities, the sciences and social sciences. Self-training materials will be prepared and shared with participants before the program to allow for time to gain basic knowledge in advance.

**Intended Learning Outcomes:**

1. Improve understanding of and familiarity with data management life cycles
2. Gain hands-on experience with developing data management plans associated with sponsored projects, with an eye toward risk and sustainability
3. Be able to select and assess data management tools and repository systems for different disciplines for the purpose of sharing collections
4. Be able to select and adapt standards for data management and utilize existing tools
5. Use tools and approaches for data storage and access as well as understanding the inherent contextual frameworks, limitations and opportunity
6. Improve understanding and contextualizing of digital objects and accounting for data provenance
7. Gain hands-on exposure to contextual data metadata schema design and learn how they support curation

**Tentative Program:**

**Day 1: Data Curation Life Cycles (ILO: 1, 2, 3) & Introduction to Field & Academic Data Curation**

*Morning session*

9:00 - 9:05: Welcome with Dr. Sam Chu (Associate Professor and Head, Division of Information and Technology Studies, HKU) and Ms. Diana Chan (University Librarian, HKUST)
9:05 - 9:15: Opening words from Dr. Allen Renear (Professor and Dean, GSLIS, University of Illinois)
9:15 - 10:15: Keynote address - “Open Data and Scholarly Communication” by Professor John Bacon-Shone, HKU
10:15 - 10:30: Coffee break
10:30 - 12:30: Lecture - “Data Curation Life Cycles and Tools”

*Afternoon session - attendees will split into two groups*

**Group A**

14:00 - 15:30: Case studies - data conservancy (in-depth analysis of a successful project in an academic library) and site-based data curation
15:30 - 15:45: Coffee break
15:45 - 17:15: Hands-on lab - data management planning tools (DMP online, etc.)
17:15 - 17:30: Day 1 wrap-up
Day 2: Metadata Schema Design, Adaptation & Contextualization (ILO: 5, 6)

Morning session
9:00 - 10:00: Lecture - “Selecting and Applying Standards for Building Data Collections” - interactive session with Dr. Jerry McDonough and Dr. J. Stephen Downie
10:00 - 10:15: Coffee break
10:15 - 12:15: Lecture - “Designing and Adapting Data Specific Metadata Schema in Context”
12:15 - 12:30: Open discussion and question and answer period
12:30 - 14:00: Lunch break

Afternoon session - attendees will split into two groups
Group A
14:00 - 15:30: Case study - data curation at the National Center of Atmosphere Research (NCAR)
15:30 - 15:45: Coffee break
15:45 - 17:15: Hands-on lab - data mark-up, cleaning and transfer (to repository for preservation/re-use); Google Refine
17:15 - 17:30: Day 2 wrap-up

Group B
14:00 - 15:30: Hands-on lab - data mark-up, cleaning and transfer (to repository for preservation/re-use); Google Refine
15:30 - 15:45: Coffee break
15:45 - 17:15: Case study - data curation at the National Center of Atmosphere Research (NCAR)
17:15 - 17:30: Day 2 wrap-up

Day 3: Providing Data Storage & Access Services (ILO: 4, 5)

Morning session
9:00 - 10:30: Keynote address - “HathiTrust: Large-Scale Data Repository in the Humanities”
10:00 - 10:15: Coffee break
10:15 - 12:15: Lecture - “Developing Institutional Capacity for Research Data Services in Academic Libraries” with Dr. Heidi Imker and Dr. J. Stephen Downie
12:15 - 12:30: Open discussion and question and answer period
12:30 - 14:00: Lunch break

Afternoon session - attendees will split into two groups
Group A
14:00 - 15:15: Case study - learning from past successes and failures
15:15 - 15:30: Coffee break
15:30 - 17:15: Hands-on lab - preservation auditing and assessment

Group B
14:00 - 15:15: Hands-on lab - preservation auditing and assessment
15:30 - 15:45: Coffee break
15:45 - 17:15: Case study - learning from the past’s successes and failures
16:45 - 17:30: Plenary closing session - discussion on how to effectively involve researchers and administrators in data curation. Panel includes Dr. J. Stephen Downie, Dr. Sam Chu, Mr. Peter Sidorko, Ms. Diana Chan, Mr. Nicholas Weber, Ms. Andrea Thomer, Dr. Xiao Hu