

ACM/IEEE Joint Conference on Digital Libraries

JCDL 2020

Virtual Conference



Speedier Innovation ■
Sustainable Development ■
Societal Transformation ■

Wuhan, Hubei, P. R. China August 1 - 5, 2020



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Sponsors



Supporters



JCDL 2020 Chairs' Welcome

2020 has been defined by international disruption due to the COVID-19 pandemic and the JCDL community has had to be innovative and adaptable in planning and executing this year's conference. ACM/IEEE Joint Conference on Digital Libraries 2020 (JCDL 2020) was planned and hosted jointly by the School of Information Management at Wuhan University and the School of Public Administration at Northwest University. The conference was originally scheduled to take place in June 2020 in Wuhan, however, the pandemic and consequent travel interruptions forced the organizers to move the conference location and time to Wuhan on August 1-5, 2020, and most importantly, to make the conference a virtual meeting. With no precedent for such a meeting, the conference organizers have leveraged globally connected technologies to make the conference accessible to digital library researchers and practitioners around the world. The conference theme, "Speedier Innovation, Sustainable Development, Societal Transformation" is highly appropriate to the challenges we face today. Digital libraries offer the world exceptional value in sharing vital knowledge, information, and data without requiring travel and onsite access. The digital library research community was thus well-suited and prepared for virtualizing JCDL 2020.

The program committee has attracted and vetted an excellent range of technical papers.

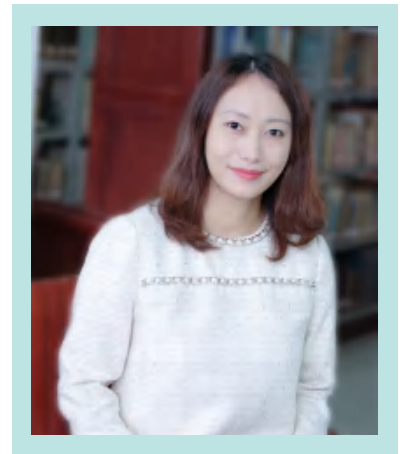
Besides, we are honored to have three well-known experts as the keynote speakers of the conference:

- How Should One Explore the Digital Library of the Future? Professor Edward A. Fox (who is currently at Virginia Polytechnic Institute and State University)
- Towards a Sustainable Infrastructure for the Preservation of Cultural Heritage and Digital Scholarship, Dr. Peter Zhou (who is currently at C. V. Starr East Asian Library at the University of California, Berkeley)



Ruhua Huang

JCDL'20 General Co-Chair
Wuhan University, China



Dan Wu

JCDL'20 General Co-Chair
Wuhan University, China

•Natural Language Technologies for Internet Applications, Dr. Luo Si (who is currently at Alibaba Group Inc.)

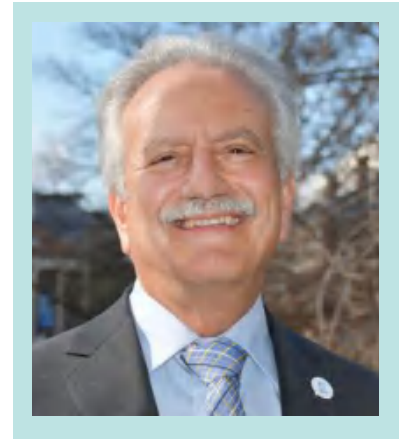
These valuable and insightful talks can and will guide us to a better understanding of the future.

We thank the whole organizing committee for their diligence, innovation, and flexibility to plan and execute this conference. Our committee members come from different disciplines, countries, and research perspectives. We especially thank the program co-chairs Daqing He, University of Pittsburgh, USA, Sally Jo Cunningham, University of Waikato, New Zealand, and Preben Hansen, Stockholm University, Sweden; and the Local Organization Chairs, Lihong Zhou, Wuhan University, China and Xinrong Huang, Northwest University, China.

We thank our sponsors and supporters: ACM, IEEE, ACM SIGIR, ACM SIGWEB, the Coalition for Networked Information (CNI), Wuhan University School of Information Management and Center for Studies of Information Resources, and Northwest University School of Public Administration. Our sponsors and supporters enable the conference to support the student authors, keynote speakers, and doctoral consortium participants, and to award authors of the best papers.

We hope that you learn from and enjoy JCDL 2020 and participate actively in this first virtual JCDL conference.

Ruhua Huang, Dan Wu, Gary Marchionini
JCDL'20 General Co-Chair



Gary Marchionini

JCDL'20 General Co-Chair
University of North Carolina
at Chapel Hill, USA

Program Chairs' Welcome

Welcome to the 2020 ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL) in Wuhan China! It is our great pleasure to present the proceedings of JCDL 2020.

This year's conference theme is "Speedier Innovation, Sustainable Development, Societal Transformation." Under the shadow of the COVID-19 pandemic, this theme has never been so true in human history. Many technologies and services associated with digital libraries, which are often reported and discussed on JCDL, are directly or indirectly in the fight against the virus and the pandemic. Online repositories of academic articles and datasets have been created to disseminate virus related academic knowledge. Social media data have been collected to assess the spread and the impact of the virus, as well as to enable the detection of misinformation and rumors. Web-based technologies and standards are playing critical roles of ensuring the quality and the reliability of people's online communication and virtual collaboration.

To reflect the wide scope of digital library research and practices, JCDL 2020 encouraged interesting and inspiring submissions ranging across theories, systems, services, and applications from academic or public institutions, user communities, archives, museums, and social networks. The submissions could cover topics such as managing, operating, designing, developing, curating, evaluating, or utilizing digital libraries broadly defined. Therefore, multiple tracks and sessions are designed to ensure participation from researchers, practitioners, and diverse communities.

The call for papers attracted over 300 submissions from 35 countries and regions on five continents. The program committee reviewed and accepted 33 full research papers (from 106 reviewed, 31.1% acceptance rate), 28 short research papers (from 90 reviewed, 31.1% acceptance rate), 40 posters and 8 demonstrations (from 60 reviewed), 2 panels, 5 tutorials, and 7 workshops. The doctoral consortium, which aims to assist and mentor young scholars in the



Daqing He

JCDL'20 Program Chairs ACM,
University of Pittsburgh USA



Preben Hansen

JCDL'20 Program Chairs ACM,
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Sweden

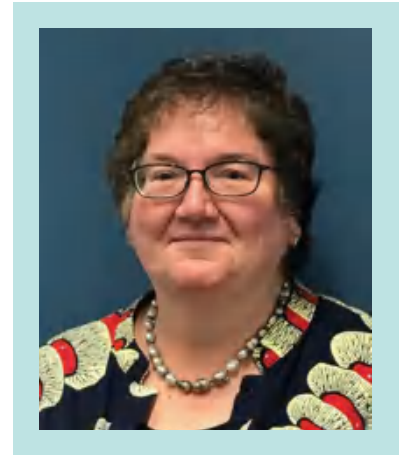
field of digital libraries, accepted 8 for presentation at JCDL. The practitioner track is new this year, and it emphasizes innovation, insight, and vision in the practice of digital libraries. It accepted 10 practitioner presentations from 25 reviewed.

Consequently, the accepted participations cover a wide range of topics related to digital libraries. They include various forms of digital objects (e.g., legal text, village gazetteers), generic to specific domains such as medicine and digital humanities, different digital library development technologies (e.g., collection annotation, document classification, search and recommendation), and the engagement of various stakeholders (e.g., scholars, librarians, and computer and information scientists).

This proceedings volume contains the full text of the accepted long and short papers, posters and demonstrations, as well as abstracts of the keynotes, panels, tutorials, and workshops. All paper submissions went through a rigorous reviewing process with three individual reviewers on each paper and a meta-review by a fourth expert from the DL community. Over 180 Program Committee members from four continents worked together on selecting the accepted participations in various formats.

Due to the impact of the COVID-19 pandemic, this year's JCDL sessions will all be virtual. To accommodate the time differences among authors and attendees, sessions are organized based on three time zone areas (CST UTC+8 for Asia and Pacific, EDT UTC-4 for North and South America, and BST UTC+1 for Europe and Africa), and the presenter's time zone is used to determine which session a paper is assigned to. Consequently, the packed, five-day program will be presented with 1 doctoral consortium, 1 posters and demo session, 1 practitioner session, 2 interactive panels, 5 tutorials, 7 workshops, and most importantly, 18 paper sessions, with special features of three keynote speakers (Dr. Edward A. Fox, Dr. Peter Zhou, and Dr. Luo Si).

During the conference, we will award three honors: the Vannevar Bush Best Paper Award, the Best Student Paper Award, and the Best



Sally Jo Cunningham

JCDL'20 Program Chairs ACM,
USA, University of Waikato,
New Zealand

Poster/Demo Award. During the opening session of the conference, the nominees for the two Best Paper Awards will be announced. The prizes will be presented during the conference. We hope you will be inspired by the high quality and creativity of these award-winning papers.

To organize a conference takes a large number of people. Selecting papers involves careful analysis and dedicated work. We would like to thank all members of the program committee and their secondary reviewers who prepared reviews. A special thanks goes to those organizing the other parts of the conference: the doctoral consortium chairs Edie Rasmussen, Jian Qin, Xiaozhong liu, and Wei Lu; tutorial chairs Milena Dobрева, Yohei Seki, and Jian Wu; workshop chairs Ian Milligan, Weijia Xu, and Xiao Hu; panel chairs Suzie Allard, Jim Hahn and Marcia Lei Zeng; poster and demo chairs Richard Furuta, Robert H. McDonald, and Jiangping Chen; and practitioner chairs Zhiwu Xie, Long Xiao and Wei Liu. The publication chairs Jie Xu, Faryaneh Poursardar, and Zhiqiang Wu worked diligently on producing these proceedings. A very special thank goes to Michael Nelson, who as the continuity chair for many years guided us to stay true to the JCDL standards of excellence.

This year is a very challenging year for conference planning and local organization as the whole conference had to be redesigned several times due to the COVID-19 pandemic. We specifically thank the conference chairs Dan Wu, Ruhua Huang, and Gary Marchionini, and local chairs Lihong Zhou and Xinrong Huang, for playing an active role in planning and managing the conference in a flexible and responsive way

when many of them personally were in the center of the pandemic, and steering all of us towards our joint goal of offering an innovative, sustainable and transformative conference.

Welcome to JCDL 2020!

**Daqing He, Preben Hansen and Sally Jo
Cunningham**

JCDL'20 Program Chairs
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Asia Pacific				North American				European
China UTC+8	Japan/Korea UTC+9	Australia UTC+11	New Zealand UTC+13	US - East UTC-4	US - Central UTC-5	US - Mountain UTC-6	US - Pacific UTC-7	CET / UTC +1
4:00:00 PM	5:00:00 PM	7:00:00 PM	9:00:00 PM	4:00:00 AM	3:00:00 AM	2:00:00 AM	1:00:00 AM	9:00:00 AM
4:30:00 PM	5:30:00 PM	7:30:00 PM	9:30:00 PM	4:30:00 AM	3:30:00 AM	2:30:00 AM	1:30:00 AM	9:30:00 AM
5:00:00 PM	6:00:00 PM	8:00:00 PM	10:00:00 PM	5:00:00 AM	4:00:00 AM	3:00:00 AM	2:00:00 AM	10:00:00 AM
5:30:00 PM	6:30:00 PM	8:30:00 PM	10:30:00 PM	5:30:00 AM	4:30:00 AM	3:30:00 AM	2:30:00 AM	10:30:00 AM
6:00:00 PM	7:00:00 PM	9:00:00 PM	11:00:00 PM	6:00:00 AM	5:00:00 AM	4:00:00 AM	3:00:00 AM	11:00:00 AM
6:30:00 PM	7:30:00 PM	9:30:00 PM	11:30:00 PM	6:30:00 AM	5:30:00 AM	4:30:00 AM	3:30:00 AM	11:30:00 AM
7:00:00 PM	8:00:00 PM	10:00:00 PM	12:00:00 AM	7:00:00 AM	6:00:00 AM	5:00:00 AM	4:00:00 AM	12:00:00 PM
7:30:00 AM	8:30:00 PM	10:30:00 PM	12:30:00 AM	7:30:00 AM	6:30:00 AM	5:30:00 AM	4:30:00 AM	12:30:00 PM
8:00:00 PM	9:00:00 PM	11:00:00 PM	1:00:00 AM	8:00:00 AM	7:00:00 AM	6:00:00 AM	5:00:00 AM	1:00:00 PM
8:30:00 PM	9:30:00 PM	11:30:00 PM	1:30:00 AM	8:30:00 AM	7:30:00 AM	6:30:00 AM	5:30:00 AM	1:30:00 PM
9:00:00 PM	10:00:00 PM	12:00:00 AM	2:00:00 AM	9:00:00 AM	8:00:00 AM	7:00:00 AM	6:00:00 AM	2:00:00 PM
9:30:00 PM	10:30:00 PM	12:30:00 AM	2:30:00 AM	9:30:00 AM	8:30:00 AM	7:30:00 AM	6:30:00 AM	2:30:00 PM
10:00:00 PM	11:00:00 PM	1:00:00 AM	3:00:00 AM	10:00:00 AM	9:00:00 AM	8:00:00 AM	7:00:00 AM	3:00:00 PM
10:30:00 PM	11:30:00 PM	1:30:00 AM	3:30:00 AM	10:30:00 AM	9:30:00 AM	8:30:00 AM	7:30:00 AM	3:30:00 PM
11:00:00 PM	12:00:00 AM	2:00:00 AM	4:00:00 AM	11:00:00 AM	10:00:00 AM	9:00:00 AM	8:00:00 AM	4:00:00 PM
11:30:00 PM	12:30:00 AM	2:30:00 AM	4:30:00 AM	11:30:00 AM	10:30:00 AM	9:30:00 AM	8:30:00 AM	4:30:00 PM
12:00:00 AM	1:00:00 AM	3:00:00 AM	5:00:00 AM	12:00:00 PM	11:00:00 AM	10:00:00 AM	9:00:00 AM	5:00:00 PM
12:30:00 AM	1:30:00 AM	3:30:00 AM	5:30:00 AM	12:30:00 PM	11:30:00 AM	10:30:00 AM	9:30:00 AM	5:30:00 PM
1:00:00 AM	2:00:00 AM	4:00:00 AM	6:00:00 AM	1:00:00 PM	12:00:00 PM	11:00:00 AM	10:00:00 AM	6:00:00 PM
1:30:00 AM	2:30:00 AM	4:30:00 AM	6:30:00 AM	1:30:00 PM	12:30:00 PM	11:30:00 AM	10:30:00 AM	6:30:00 PM
2:00:00 AM	3:00:00 AM	5:00:00 AM	7:00:00 AM	2:00:00 PM	1:00:00 PM	12:00:00 PM	11:00:00 AM	7:00:00 PM
2:30:00 AM	3:30:00 AM	5:30:00 AM	7:30:00 AM	2:30:00 PM	1:30:00 PM	12:30:00 PM	11:30:00 AM	7:30:00 PM
3:00:00 AM	4:00:00 AM	6:00:00 AM	8:00:00 AM	3:00:00 PM	2:00:00 PM	1:00:00 PM	12:00:00 PM	8:00:00 PM
3:30:00 AM	4:30:00 AM	6:30:00 AM	8:30:00 AM	3:30:00 PM	2:30:00 PM	1:30:00 PM	12:30:00 PM	8:30:00 PM
4:00:00 AM	5:00:00 AM	7:00:00 AM	9:00:00 AM	4:00:00 PM	3:00:00 PM	2:00:00 PM	1:00:00 PM	9:00:00 PM
4:30:00 AM	5:30:00 AM	7:30:00 AM	9:30:00 AM	4:30:00 PM	3:30:00 PM	2:30:00 PM	1:30:00 PM	9:30:00 PM
5:00:00 AM	6:00:00 AM	8:00:00 AM	10:00:00 AM	5:00:00 PM	4:00:00 PM	3:00:00 PM	2:00:00 PM	10:00:00 PM
5:30:00 AM	6:30:00 AM	8:30:00 AM	10:30:00 AM	5:30:00 PM	4:30:00 PM	3:30:00 PM	2:30:00 PM	10:30:00 PM
6:00:00 AM	7:00:00 AM	9:00:00 AM	11:00:00 AM	6:00:00 PM	5:00:00 PM	4:00:00 PM	3:00:00 PM	11:00:00 PM
6:30:00 AM	7:30:00 AM	9:30:00 AM	11:30:00 AM	6:30:00 PM	5:30:00 PM	4:30:00 PM	3:30:00 PM	11:30:00 PM
7:00:00 AM	8:00:00 AM	10:00:00 AM	12:00:00 PM	7:00:00 PM	6:00:00 PM	5:00:00 PM	4:00:00 PM	12:00:00 AM
7:30:00 AM	8:30:00 AM	10:30:00 AM	12:30:00 PM	7:30:00 PM	6:30:00 PM	5:30:00 PM	4:30:00 PM	12:30:00 AM
8:00:00 AM	9:00:00 AM	11:00:00 AM	1:00:00 PM	8:00:00 PM	7:00:00 PM	6:00:00 PM	5:00:00 PM	1:00:00 AM
8:30:00 AM	9:30:00 AM	11:30:00 AM	1:30:00 PM	8:30:00 PM	7:30:00 PM	6:30:00 PM	5:30:00 PM	1:30:00 AM
9:00:00 AM	10:00:00 AM	12:00:00 PM	2:00:00 PM	9:00:00 PM	8:00:00 PM	7:00:00 PM	6:00:00 PM	2:00:00 AM
9:30:00 AM	10:30:00 AM	12:30:00 PM	2:30:00 PM	9:30:00 PM	8:30:00 PM	7:30:00 PM	6:30:00 PM	2:30:00 AM
10:00:00 AM	11:00:00 AM	1:00:00 PM	3:00:00 PM	10:00:00 PM	9:00:00 PM	8:00:00 PM	7:00:00 PM	3:00:00 AM
10:30:00 AM	11:30:00 AM	1:30:00 PM	3:30:00 PM	10:30:00 PM	9:30:00 PM	8:30:00 PM	7:30:00 PM	3:30:00 AM

Program Overview

Note:

AP=Asian-Pacific Region;
NA=North American Region;

EU=European Region;
L=long paper; S=short paper

Day 1 (Saturday, August 1)

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
08:30-10:00		20:30-22:00		01:30-03:00	
Room 1	Room 2	Room 3	Room 4		
Tutorial 5 (AP)					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
10:30-12:00		22:30-24:00		03:30-05:00	
Room 1	Room 2	Room 3	Room 4		
Tutorial 5 (AP)		DC session 1: China, US			
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
13:30-15:00		01:30-03:00		06:30-08:00	
Room 1	Room 2	Room 3	Room 4		
	Workshop 1	DC session 2: Germany SA			
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
15:30-17:00		03:30-05:00		08:30-10:00	
Room 1	Room 2	Room 3	Room 4		
Workshop 1					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
17:30-19:00		05:30-07:00		10:30-12:00	
Room 1	Room 2	Room 3	Room 4		
Workshop 1					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
19:00-19:50		07:00-07:50		12:00-12:50	
Room 1	Room 2	Room 3	Room 4		
	Workshop 1			Workshop 2 starts from 19:30 Beijing Time	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
20:00-21:00		08:00-09:00		13:00-14:00	
Room 1	Room 2	Room 3	Room 4		
Welcoming					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
21:10-22:40		09:10-10:40		14:10-15:40	
Room 1	Room 2	Room 3	Room 4		
Keynote 1					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
23:00-0:30		11:00-12:30		16:00-17:30	
Room 1	Room 2	Room 3	Room 4		
				Workshop 2 Ends at 0:15 Beijing Time	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
03:00-04:30 ^{+1Day}		15:00-16:30		20:00-21:30	
Room 1	Room 2	Room 3	Room 4		
	Workshop 3				
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
05:00-06:30 ^{+1Day}		17:00-18:30		22:00-23:30	
Room 1	Room 2	Room 3	Room 4		
	Workshop 3				

Day 2 (Sunday, August 2)

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
08:30-10:00		20:30-22:00		01:30-03:00	
Room 1	Room 2	Room 3	Room 4		
AP-L-1: Scholarly Communication					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
10:30-12:00		22:30-24:00		03:30-05:00	
Room 1	Room 2	Room 3	Room 4		
AP-L-2: User in Search					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
13:30-15:00		01:30-03:00		06:30-08:00	
Room 1	Room 2	Room 3	Room 4		
AP-L-3: Digital Libraries - 1					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
15:30-17:00		03:30-05:00		08:30-10:00	
Room 1	Room 2	Room 3	Room 4		
EU-L-1: Scholarly Knowledge - 1					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
17:30-19:00		05:30-07:00		10:30-12:00	
Room 1	Room 2	Room 3	Room 4		
EU-L-2: Document Classification					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
20:00-21:00		08:00-09:00		13:00-14:00	
Minute Madness Hall					
Minute madness	Minute madness	Minute madness	Minute madness		
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
21:00-23:00		09:00-11:00		14:00-16:00	
Poster Hall 1	Poster Hall 2	Poster Hall 3	Demo Hall		
Poster 1	Poster 2	Poster 3	Demo		
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
00:30-02:00 ^{+1Day}		12:30-14:00		17:30-19:00	
Room 1	Room 2	Room 3	Room 4		
EU-S-1: Natural Language Processing					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
02:30-04:00 ^{+1Day}		14:30-16:00		19:30-21:00	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
NA-L-1: Web Archive - 1					

Day 3 (Monday, August 3)

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
08:30-10:00		20:30-22:00		01:30-03:00	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
AP-L-4: Scholarly Knowledge - 2					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
10:30-12:00		22:30-24:00		03:30-05:00	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
AP-S-1: Digital Libraries - 2					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
15:30-17:00		03:30-05:00		08:30-10:00	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
AP-S-2: Digital Humanities					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
17:30-19:00		05:30-07:00		10:30-12:00	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
EU-S-2: Domain Specific Applications					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
20:00-21:30		08:00-09:30		13:00-14:30	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
Panel 1 (AP+NA)					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
22:00-23:30		10:00-11:30		15:00-16:30	
Room 1	Room 2	Room 3	Room 4	Room 3	Room 4
Keynote 2					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
00:30-02:00 ^{+1Day}		12:30-14:00		17:30-19:00	
Room 1	Room 2	Room 3	Room 4		
NA-L-2: Scholarly Data		Tutorial 2 (NA)			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
02:30-04:00 ^{+1Day}		14:30-16:00		19:30-21:00	
Room 1	Room 2	Room 3	Room 4		
NA-S-1: Web Archive - 2		Tutorial 2 (NA)			

Day 4 (Tuesday, August 3)

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
08:30-10:00		20:30-22:00		01:30-03:00	
Room 1	Room 2	Room 3	Room 4		
AP-L-5: Content Annotation		Tutorial 1 (NA)			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
10:30-12:00		22:30-24:00		03:30-05:00	
Room 1	Room 2	Room 3	Room 4		
AP-S-3: Search and Recommendation		Tutorial 1 (NA)			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
13:30-15:00		01:30-03:00		06:30-08:00	
Room 1	Room 2	Room 3	Room 4		
AP-S-4: Network and Learning					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
15:30-17:00		03:30-05:00		08:30-10:00	
Room 1	Room 2	Room 3	Room 4		
EU-L-3: Digital Libraries - 3					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
17:30-19:00		05:30-07:00		10:30-12:00	
Room 1	Room 2	Room 3	Room 4		
EU-L-4: Neural Semantic Representation					

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
20:00-21:30		08:00-09:30		13:00-14:30	
Room 1	Room 2	Room 3	Room 4		
Practitioner	Tutorial 3 (NA)	Panel 2 (NA+EU+AP)			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
22:00-23:30		10:00-11:30		15:00-16:30	
Room 1	Room 2	Room 3	Room 4		
Practitioner	Tutorial 3 (NA)				

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
00:30-02:00 ^{+1Day}		12:30-14:00		17:30-19:00	
Room 1	Room 2	Room 3	Room 4		
	Tutorial 4 (NA+EU)				

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
02:30-04:00 ^{+1Day}		14:30-16:00		19:30-21:00	
Room 1	Room 2	Room 3	Room 4		
	Tutorial 4 (NA+EU)				

Day 5 (Thursday, August 3)

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
08:00-09:30		20:00-21:30		01:00-02:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 7	Workshop 7	Workshop 4			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
10:00-11:30		22:00-23:30		03:00-04:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 7	Workshop 7	Workshop 4			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
12:00-13:30		00:00-01:30		05:00-06:30	
Room 1	Room 2	Room 3	Room 4		
		Workshop 4			

Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
14:00-15:30		02:00-03:30		07:00-08:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 7	Workshop 7				
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
16:00-17:30		04:00-05:30		09:00-10:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 7	Workshop 7			Workshop 5	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
18:00-19:30		06:00-07:30		11:00-12:30	
Room 1	Room 2	Room 3	Room 4		
				Workshop 5	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
20:00-21:30		08:00-09:30		13:00-14:30	
Room 1	Room 2	Room 3	Room 4		
Keynote 3					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
21:40-22:40		09:40-10:40		14:40-15:40	
Room 1	Room 2	Room 3	Room 4		
Closing					
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
23:00-0:30		11:00-12:30		16:00-17:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 6		Workshop 4		Workshop 5	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
01:00-02:30 ^{+1Day}		13:00-14:30		18:00-19:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 6				Workshop 5	
Beijing Time (UTC+8)		New York Time (UTC-4)		London Time (UTC +1)	
03:00-04:30 ^{+1Day}		15:00-16:30		20:00-21:30	
Room 1	Room 2	Room 3	Room 4		
Workshop 6					

Beijing Time (UTC+8)	New York Time (UTC-4)	London Time (UTC+1)
05:00-06:30 ^{+1Day}	17:00-18:30	22:00-23:30
Room 1	Room 2	Room 3
Workshop 6		

Full Program

Date: Saturday, 1/August/2020

Time	UTC+8 / 08:30-10:00	UTC-4 / 20:30-22:00	UTC+1 / 01:30-03:00
Location	Room 1	<p>Tutorial 5: Building Digital Library Collections with Greenstone 3 David Bainbridge¹ 1: University of Waikato, New Zealand</p>	
Time	UTC+8 / 10:30-12:00	UTC-4 / 22:30-24:00	UTC+1 / 03:30-05:00
Location	Room 1	<p>Tutorial 5: Building Digital Library Collections with Greenstone 3 David Bainbridge¹ 1: University of Waikato, New Zealand</p>	
	Room 3	<p>Doctoral Consortium Session 1 Understanding the Adoption of Dataset Retrieval Innovation in Research Qiao Li¹ 1: Wuhan University, China</p> <p>The Impact of Academic Social Networking Sites on Researchers' Performances among Myanmar Universities Khin Mar Shwe¹ 1: Wuhan University, China</p> <p>Towards a Consistent Metadata Format for Data Analysis Yasith Jayawardana¹ 1: Old Dominion University, United States</p>	
Time	UTC+8 / 13:30-15:00	UTC-4 / 01:30-03:00	UTC+1 / 06:30-08:00
Location	Room 1	<p>Workshop 1: Extraction and Evaluation of Knowledge Entities from Scientific Documents (EKE2020) Chengzhi Zhang¹, Philipp Mayr², Wei Lu³, Yi Zhang⁴ 1: Nanjing University of Science and Technology, China 2: GESIS - Leibniz-Institute for the Social Sciences, Germany 3: Wuhan University, China 4: University of Technology Sydney, Australia</p>	

	Room 3	<p>Doctoral Consortium Session 2:</p> <p>Contextual Document Similarity for Content-based Literature Recommender Systems Malte Ostendorff¹ 1: University of Konstanz, Germany</p> <p>An Ethnographic Study of the Utilisation of Electronic Library Databases by Academic Staff in North-Central Nigeria Kachollom Chollom¹ 1: University of KwaZulu-Natal, South Africa</p> <p>Evaluation of Digital Libraries for Innovation-driven Research in Six Selected Southwest Nigerian Universities Samuel Oladunjoye Odeyemi¹ 1: University of KwaZulu-Natal, South Africa</p> <p>Provide Computer-aided Innovation by Intellectual Property Protection Using Distributed Ledger Technology Alexander Schoenhals¹ 1: University of Konstanz, Germany</p>
Time		UTC+8 / 15:30-17:00 UTC-4 / 03:30-05:00 UTC+1 / 08:30-10:00
Location	Room 1	<p>Workshop 1: Extraction and Evaluation of Knowledge Entities from Scientific Documents (EEKE2020)</p> <p>Chengzhi Zhang¹, Philipp Mayr², Wei Lu³, Yi Zhang⁴ 1: Nanjing University of Science and Technology, China 2: GESIS - Leibniz-Institute for the Social Sciences, Germany 3: Wuhan University, China 4: University of Technology Sydney, Australia</p>
Time		UTC+8 / 17:30-19:00 UTC-4 / 05:30-07:00 UTC+1 / 10:30-12:00
Location	Room 1	<p>Workshop 1: Extraction and Evaluation of Knowledge Entities from Scientific Documents (EEKE2020)</p> <p>Chengzhi Zhang¹, Philipp Mayr², Wei Lu³, Yi Zhang⁴ 1: Nanjing University of Science and Technology, China 2: GESIS - Leibniz-Institute for the Social Sciences, Germany 3: Wuhan University, China 4: University of Technology Sydney, Australia</p>
Time		UTC+8 / 19:00-19:50 UTC-4 / 07:00-07:50 UTC+1 / 12:00-12:50
Location	Room 1	<p>Workshop 2: Curative Power of Medical Data (Starts from 19:30, Beijing Time)</p> <p>Kevin Bretonnel Cohen¹, Daniela Gifu², Peter Li³, Anna Ripple⁴, Jingbo Xia³ 1: University of Colorado School of Medicine, United States 2: Alexandru Ioan Cuza University of Iași & Romanian Academy - Iași Branch, Romania 3: Huazhong Agricultural University, China 4: National Library of Medicine, United States</p>

	Room 3	<p>Workshop 1: Extraction and Evaluation of Knowledge Entities from Scientific Documents (EEKE2020)</p> <p>Chengzhi Zhang¹, Philipp Mayr², Wei Lu³, Yi Zhang⁴</p> <p>1: Nanjing University of Science and Technology, China 2: GESIS - Leibniz-Institute for the Social Sciences, Germany 3: Wuhan University, China 4: University of Technology Sydney, Australia</p>
Time		UTC+8 / 20:00-21:00 UTC-4 / 08:00-09:00 UTC+1 / 13:00-14:00
Location	Room 1	Welcoming
Time		UTC+8 / 21:10-22:40 UTC-4 / 09:10-10:40 UTC+1 / 14:10-15:40
Location	Room 1	<p>Keynote 1: How Should One Explore the Digital Library of the Future?</p> <p>Edward A. Fox</p> <p>Virginia Polytechnic Institute and State University, United States</p>
Time		UTC+8 / 23:00-00:30 UTC-4 / 11:00-12:30 UTC+1 / 16:00-17:30
Location	Room 1	<p>Workshop 2: Curative Power of Medical Data (Starts from 19:30, Beijing Time)</p> <p>Kevin Bretonnel Cohen¹, Daniela Gifu², Peter Li³, Anna Ripple⁴, Jingbo Xia³</p> <p>1: University of Colorado School of Medicine, United States 2: Alexandru Ioan Cuza University of Iași & Romanian Academy - Iasi Branch, Romania 3: Huazhong Agricultural University, China 4: National Library of Medicine, United States</p>
Time		UTC+8 / 03:00-04:30 ^{+1Day} UTC-4 / 15:00-16:30 UTC+1 / 20:00-21:30
	Room 2	<p>Workshop 3: Conceptual Models in Digital Libraries, Archives, and Museums (SIG-CM) 2020</p> <p>Nicholas Weber¹, Katrina Fenlon², Peter Organisciak³, Andrea K. Thomer⁴, Karen Wickett⁵</p> <p>1: University of Washington, United States 2: University of Maryland, United States 3: University of Denver, United States 4: University of Michigan, United States 5: University of Illinois, Urbana-Champaign, United States</p>
Time		UTC+8 / 05:00-06:30 ^{+1Day} UTC-4 / 17:00-18:30 UTC+1 / 22:00-23:30
	Room 2	<p>Workshop 3: Conceptual Models in Digital Libraries, Archives, and Museums (SIG-CM) 2020</p> <p>Nicholas Weber¹, Katrina Fenlon², Peter Organisciak³, Andrea Thomer⁴, Karen Wickett⁵</p> <p>1: University of Washington, United States 2: University of Maryland, United States 3: University of Denver, United States 4: University of Michigan, United States 5: University of Illinois, Urbana-Champaign, United States</p>

Date: Sunday, 2/August/2020

Time		UTC+8 / 08:30-10:00	UTC-4 / 20:30-22:00	UTC+1 / 01:30-03:00
Location	Room 1	<p>AP-L-1: Scholarly Communication Chair: Lei Li (Beijing Normal University, China)</p> <p>Characterising Authors on the Extent of their Paper Acceptance: A Case Study of the Journal of High Energy Physics Rima Hazra¹, Aryan¹, Hardik Aggarwal¹, Matteo Marsili², Animesh Mukherjee¹ 1: Indian Institute of Technology, India 2: ICTP, Italy</p> <p>Gatekeeper: Analyzing G-Indexes and Improving Service Quantification Jingtao Han¹, Spyke Krepshaw², Dongwon Lee² 1: Peking University, China 2: Penn State University, United States</p> <p>Unsupervised Anomaly Detection in Journal-Level Citation Networks Baani Lean Kaur Jolly¹, Lavina Jain¹, Debajyoti Bera¹, Tanmoy Chakraborty¹ 1: IIIT-Delhi, India</p>		
Time		UTC+8 / 10:30-12:00	UTC-4 / 22:30-24:00	UTC+1 / 03:30-05:00
Location	Room 1	<p>AP-L-2: User in Search Chair: Chang Liu (Peking University, China)</p> <p>Personalization Finder: A Search Interface for Identifying and Self-controlling Web Search Personalization 🏆 The Vannevar Bush Best Paper Award Yusuke Yamamoto¹, Takehiro Yamamoto² 1: Shizuoka University, Japan 2: University of Hyogo, Japan</p> <p>Users' Knowledge Use and Change during Information Searching Process: A Perspective of Vocabulary Usage Yao Zhang¹, Chang Liu¹ 1: Peking University, China</p> <p>Exploring the Effect of Personalized Background Music on Reading Comprehension Ying Que¹, Yueyuan Zheng¹, Janet H. Hsiao¹, Xiao Hu¹ 1: The University of Hong Kong, China</p>		
Time		UTC+8 / 13:30-15:00	UTC-4 / 01:30-03:00	UTC+1 / 06:30-08:00
Location	Room 1	<p>AP-L-3: Digital Libraries - 1 Chair: George Buchanan (University of Melbourne, Australia)</p> <p>Identification, Tracking and Impact: Understanding the Trade Secret of Catchphrases Jagriti Jalal¹, Mayank Singh², Arindam Pal³, Lipika Dey⁴, Animesh Mukherjee¹ 1: Indian Institute of Technology Kharagpur, India 2: Indian Institute of Technology Gandhinagar, India 3: Data61, CSIRO, India 4: TCS Innovation Lab, India</p>		

		<p>Multivariate Relations Aggregation Learning in Social Networks 🏆 <i>The Vannevar Bush Best Paper Honorable Mention</i></p> <p>Jin Xu¹, Shuo Yu¹, Ke Sun¹, Jing Ren¹, Ivan Lee², Shirui Pan³, Feng Xia⁴</p> <p>1: Dalian University of Technology, China 2: University of South Australia, Australia 3: Monash University, Australia 4: Federation University Australia, Australia</p> <p>Making Recommendations from Web Archives for “Lost” Web Pages</p> <p>Lulwah Alkwai¹, Michael Nelson², Michele Weigle²</p> <p>1: University of Hail, Saudi Arabia 2: Old Dominion University, United States</p>
	Time	<p>UTC+8 / 15:30-17:00 UTC-4 / 03:30-05:00 UTC+1 / 08:30-10:00</p>
Location	Room 1	<p>EU-L-1: Scholarly Knowledge - 1 <i>Chair: Lin Wang (Academy of Psychology Tianjin Normal University, China)</i></p> <p>Generate FAIR Literature Surveys with Scholarly Knowledge Graphs</p> <p>Allard Oelen¹, Mohamad Yaser Jaradeh¹, Markus Stocker², Sören Auer^{2,3}</p> <p>1: Leibniz University Hannover, Germany 2: German National Library of Science and Technology (TIB), Germany 3: University of Hannover, Germany</p> <p>Toward Representing Research Contributions in Scholarly Knowledge Graphs Using Knowledge Graph Cells</p> <p>Lars Vogt¹, Jennifer D'Souza¹, Markus Stocker¹, Sören Auer^{1,2}</p> <p>1: TIB Leibniz Information Centre for Science and Technology, Germany 2: L3S Research Center, Germany</p> <p>HybridCite: A Hybrid Model for Context-Aware Citation Recommendation</p> <p>Michael Färber¹, Ashwath Sampath²</p> <p>1: Karlsruhe Institute of Technology, Germany 2: University of Freiburg, Germany</p>
	Time	<p>UTC+8 / 17:30-19:00 UTC-4 / 05:30-07:00 UTC+1 / 10:30-12:00</p>
Location	Room 1	<p>EU-L-2: Document Classification <i>Chair: Chuanming Yu (Zhongnan University of Economics and Law, China)</i></p> <p>Pairwise Multi-Class Document Classification for Semantic Relations between Wikipedia Articles</p> <p>Malte Ostendorff¹, Terry Ruas², Moritz Schubotz², Georg Rehm¹, Bela Gipp²</p> <p>1: German Research Center for Artificial Intelligence, Germany 2: University of Wuppertal, Germany</p> <p>Classification and Clustering of arXiv Documents, Sections, and Abstracts, Comparing Encodings of Natural and Mathematical Language</p> <p>Philipp Scharpf¹, Moritz Schubotz^{2,3}, Abdou Youssef⁴, Felix Hamborg¹, Norman Meuschke², Bela Gipp²</p> <p>1: University of Konstanz, Germany 2: University of Wuppertal, Germany 3: FIZ Karlsruhe, Germany 4: George Washington University, United States</p> <p>Hierarchical Document Classification as a Sequence Generation Task</p> <p>Julian Risch¹, Samuele Garda¹, Ralf Krestel¹</p> <p>1: Hasso-Plattner-Institute, University of Potsdam, Germany</p>

Time		UTC+8 / 20:00-21:00	UTC-4 / 08:00-09:00	UTC+1 / 13:00-14:00
Location	Minute Madness Hall	Minute Madness		
Time		UTC+8 / 21:00-23:00	UTC-4 / 09:00-11:00	UTC+1 / 14:00-16:00
Location	Poster Hall 1-4	<p>Posters and Demos</p> <p>Posters</p> <p>Tactics Applied by Blind and Sighted Users: Initial Exploration of a Digital Library Iris Xie¹, Rakesh Babu², Tae Hee Lee¹, Shengang Wang¹ and Hyun Seung Lee¹ 1: University of Wisconsin Milwaukee, United States 2: Envision, Inc, United States</p> <p>Mathematical Formulae in Wikimedia Projects 2020 Moritz Schubotz¹, André Greiner-Petter², Norman Meuschke², Olaf Teschke¹ and Bela Gipp² 1: FIZ Karlsruhe - Leibniz-Institute for Information Infrastructure, Germany 2: University of Wuppertal, Germany</p> <p>Measurement of Mobile Library Users' Emotional Experience: A Research Based on the PAD Model Yang Zhao¹, Wenhong Cao¹ and Bin Yang¹ 1: Wuhan University, China</p> <p>Implicit Products in the Decentralized eCommerce Ecosystems Guoxiu He¹, Yunhan Yang¹, Zhuoren Jiang², Yangyang Kang³, Xiaozhong Liu⁴ and Wei Lu¹ 1: Wuhan University, China 2: Zhejiang University, China 3: Alibaba Group, China 4: Indiana University Bloomington, United States</p> <p>Research on the Development of Library and Information Science in the Era of Big Data Longwen Liao¹, Qi Li¹ and Junyan Chen¹ 1: Northwest Institute of Nuclear Technology, China</p> <p>Newsalyze: Enabling News Consumers to Understand Media Bias Felix Hamborg¹, Anastasia Zhukova², Karsten Donnay³ and Bela Gipp² 1: University of Konstanz, Germany 2: University of Wuppertal, Germany 3: University of Zurich, Germany</p> <p>Interpretable and Comparative Textual Dataset Exploration Using Near-Identity Mention Relations Anastasia Zhukova¹, Felix Hamborg² and Bela Gipp¹ 1: University of Wuppertal, Germany 2: University of Konstanz, Germany</p> <p>Temporal Summarization of Scholarly Paper Collections by Semantic Change Estimation: Case Study of COVID-19 Dataset Muhammad Syafiq Mohd Pozi¹, Adam Jatowt² and Yukiko Kawai³ 1: Universiti Utara Malaysia, Malaysia 2: Kyoto University, Japan 3: Kyoto Sangyo University, Japan</p>		

Interpretable Topic Modeling Using Near-Identity Cross-Document Coreference Resolution

Anastasia Zhukova¹, Felix Hamborg² and Bela Gipp¹

1: University of Wuppertal, Germany

2: University of Konstanz, Germany

Analyzing International Relations from British Parliamentary Debates

Junling Wang¹, Yuehan Zhang¹, Jiani Huang¹, Jiayu Shen¹, Yiyang Wang¹, Jiamin Wang¹, Jiming Hu¹ and Wei Lu¹

1: Wuhan University, China

Evolving Taxonomy Based on Graph Neural Networks

Xiaoli Chen¹

1: National Science Library, Chinese Academy of Sciences, China

The POLUSA Dataset: 0.9M Political News Articles Balanced by Time and Outlet Popularity

Lukas Gebhard¹ and Felix Hamborg²

1: University of Freiburg, Germany

2: University of Konstanz, Germany

Author Name Disambiguation in PubMed Using Ensemble-Based Classification Algorithms

Kaushal Jhawar¹, Debarshi Kumar Sanyal², Samiran Chattopadhyay¹, Plaban Kumar Bhowmick² and Partha Pratim Das²

1: Jadavpur University, India

2: Indian Institute of Technology Kharagpur, India

The Theoretical Framework of Library Smart Service: Literature Review and Content Analysis

Jiaqi Liao¹

1: Sun Yat-sen University, China

Opinion Extraction of Government Microblog Comments via BiLSTM-CRF Model

Jiming Hu¹ and Xiang Zheng¹

1: Wuhan University, China

Identifying the Development Process of the Electronic Health Records Research from the Perspective of Information Resource Management

Zhenni Ni¹ and Yuxing Qian¹

1: Wuhan University, China

The Status, Hot Topics in the Field of Electronic Health Records: A Literature Review Based on Lda2vec

Zhenni Ni¹ and Yuxing Qian¹

1: Wuhan University, China

Comparison of Linguistic Characteristics of Different Disciplines' Questions on Academic Social Q&A Sites

Lei Li¹, Anrunze Li¹, Xue Song¹, Xinran Li¹ and Kun Huang¹

1: Beijing Normal University, China

Inter-subdiscipline Analysis Based on Mathematical Statements

Rui Wang¹, Xiaoling Zhou¹, Jian Wu² and Ou Wu¹

1: Tianjin University, China

2: Old Dominion University, United States

Can Scientific Publication's Network Structural Features Predict its Citation?

Zhuoran Luo¹, Jiangen He², Jiajia Qian¹, Yuqi Wang¹, Junying Chen¹ and Wei Lu¹

1: Wuhan University, China

2: Drexel University, United States

Search Topic Analysis of ACM Digital Library

Shaobo Liang¹ and Yaqiong Leng¹

1: Wuhan University, China

Content-Based Exploration of Archival Images Using Neural Networks

Tobi Adewoye¹, Xiao Han¹, Nick Ruest², Ian Milligan¹, Samantha Fritz¹ and Jimmy Lin¹

1: University of Waterloo, Canada

2: York University Libraries, Canada

Analyzing the GitHub Repositories of Research Papers

Michael Färber¹

1: Karlsruhe Institute of Technology, Germany

A Proposal of a Ground Surface Information Collection System Using a 9-axis Motion Sensor for Self-propelled Wheelchair Users' Exercise Promotion

Xu Han¹ and Kumiko Kushiyama¹

1: Tokyo Metropolitan University, Japan

"3W" Model in Research Data Services: A Case Study of National Research Data Centers in China

Zhifang Tu¹ and Zhiping Yang²

1: National Science Library, Chinese Academy of Sciences, China

2: Chengdu Library and Information Center, Chinese Academy of Sciences, China

Effects of Task Complexity on Information Seeking Performance: A Meta-analysis Research

Lin Wang¹ and Zejin Chen¹

1: Tianjin Normal University, China

Comparing Topics of Scholars' Blog Posts in an Academic Social Networking Site and Publication Keywords

Hui Lin¹ and Pengyi Zhang¹

1: Peking University, China

Exploring the Influence of Publication Retractions on Citations in Psychology Science

Siluo Yang¹, Fan Qi¹ and Heyu Diao¹

1: Wuhan University, China

Trends of Publications' Citations and Altmetrics Based on Open Access Types

Chifumi Nishioka¹ and Michael Färber²

1: Kyoto University, Japan

2: Karlsruhe Institute of Technology, Germany

An Integrated Approach to Detect Media Bias in German News Articles

Timo Spinde^{1,2}, Felix Hamborg¹ and Bela Gipp²

1: University of Konstanz, Germany

2: University of Wuppertal, Germany

Challenges and Solutions of Identifying Similarities and Duplication in Digital Libraries

Maggie Ryan¹, Ruiwen Zhang¹, Matthew Durward¹, Krystyna Matusiak¹ and Peter Organisciak¹

1: University of Denver, United States

An Integrated Method to Build Read-Aiding E-Books Based on Text Mining and Interactive Aesthetics

Weijun Li¹, Fukai Yang¹, Ruibing Jia¹, Renmin Li¹ and Minghao Yin¹

1: Northeast Normal University, China

Investigating Factors for Assessing the Quality of Academic User-Generated Content on Social Media

Lei Li¹, Linlin Zhang¹, Ao Wang¹ and Kun Huang¹

1: Beijing Normal University, China

Streaming Analytics and Workflow Automation for DFS

Yasith Jayawardana¹ and Sampath Jayarathna¹

1: [Old Dominion University, United States](#)

A Heuristic Baseline Method for Metadata Extraction from Scanned Electronic Theses and Dissertations

Muntabir Choudhury¹, Jian Wu¹, William Ingram² and Edward Fox²

1: [Old Dominion University, United States](#)

2: [Virginia Polytechnic Institute and State University, United States](#)

Analyzing the Effect of Reading Patterns Using Eye Tracking Measures

Gavindya Jayawardena¹, Sampath Jayarathna¹ and Jian Wu¹

1: [Old Dominion University, United States](#)

CSAA: An Online Annotating Platform for Classifying Sections of Academic Articles

Bowen Ma¹, Yuzhuo Wang¹ and Chengzhi Zhang¹

1: [Nanjing University of Science and Technology, China](#)

PredCheck: Detecting Predatory Behaviour in Scholarly World

Manas Satish Bedmutha¹, Kaushal Modi¹, Kevin Patel¹, Naman Jain¹ and Mayank Singh¹

1: [Indian Institute of Technology Gandhinagar, India](#)

Cross-Language Source Code Plagiarism Detection Using Explicit Semantic Analysis and Scored Greedy String Tiling

Tomáš Foltýnek¹, Richard Všianský¹, Norman Meuschke², Dita Dlabolová¹ and Bela Gipp²

1: [Mendel University in Brno, Czechia](#)

2: [University of Wuppertal, Germany](#)

Analysis of the Academic Genealogy of Education

Kanishka Halder¹, Aniruddha Chattopadhyay¹, Debarshi Kumar Sanyal¹, Plaban Kumar Bhowmick¹ and Partha Pratim Das¹

1: [Indian Institute of Technology Kharagpur, India](#)

Demonstrations

SEAL: Scientific Keyphrase Extraction and Classification

Ayush Garg¹, Sammed Kagi¹ and Mayank Singh¹

1: [IIT Gandhinagar, India](#)

An Open-Source Interface to the Canadian Surface Prediction Archive

Martin Gauch¹, James Bai¹, Juliane Mai¹ and Jimmy Lin¹

1: [University of Waterloo, Canada](#)

Accessing and Investigating Large Collections of Historical Newspapers with the NewsEye Platform

Axel Jean-Caurant¹ and Antoine Doucet¹

1: [University of La Rochelle, L3i laboratory, France](#)

A Face Recognition Module for Video Content Analysis in Malaysian Parliament Sessions

Wan En Ng¹, Muhammad Syafiq Mohd Pozi¹ and Adam Jatowt²

1: [University Utara Malaysia, Malaysia](#)

2: [Kyoto University, Japan](#)

WiTPy: A Toolkit to Parse and Analyse Wikipedia Talk Pages

Amit Arjun Verma¹, S. R. S. Iyengar¹ and Nitin Gandhi¹

1: [Indian Institute of Technology Ropar, India](#)

		<p>Publindex: A Web Service to Automatically Evaluate Research Publications According to Customized Criteria</p> <p>Eduardo Mena¹, Carlos Bobed² and Álvaro Juan¹</p> <p>1: University of Zaragoza, Spain 2: everis / NTT Data, Spain</p> <p>Gandhipedia: A One-stop AI-enabled Portal for Browsing Gandhian Literature, Life-events and his Social Network</p> <p>Atharva Vyas¹, Heer Ambavi², Sayantan Adak¹, Shivam Patel³, Pritam Kadas², Mayank Singh², Animesh Mukherjee¹</p> <p>1: IIT Kharagpur, India 2: IIT Gandhinagar, India 3: SRM Institute of Science and Technology, India</p> <p>Narrative Navigation: Visualising Story Order and Locations in Augmented Reality</p> <p>Qimo Zhang¹, Annika Hinze¹ and Nicholas Vanderschantz¹</p> <p>1: University of Waikato, New Zealand</p>
	Time	<p>UTC+8 / 00:30-02:00 ^{+1Day} UTC-4 / 12:30-14:00 UTC+1 / 17:30-19:00</p>
Location	Room 1	<p>EU-5-1: Natural Language Processing</p> <p>Chair: Ying Huang (Wuhan University, China)</p> <p>Linking Named Entities Across Languages Using Multilingual Word Embeddings</p> <p>Elvys Linhares Pontes¹, Jose G. Moreno², Antoine Doucet¹</p> <p>1: University of La Rochelle, France 2: University of Toulouse, France</p> <p>Neural Machine Translation with BERT for Post-OCR Error Detection and Correction</p> <p>Hai Thi Tuyet Nguyen¹, Adam Jatowt², Nhu Van Nguyen¹, Mickaël Coustaty¹, Antoine Doucet¹</p> <p>1: L3i, University of La Rochelle, France 2: Kyoto University, Japan</p> <p>An Authoritative Approach to Citation Classification</p> <p>David Pride¹, Petr Knoth¹</p> <p>1: KMi, The Open University, United Kingdom</p> <p>A First Step Towards Content Protecting Plagiarism Detection</p> <p>Cornelius Ihle^{1,2}, Moritz Schubotz³, Norman Meuschke^{2,4}, Bela Gipp²</p> <p>1: Daimler AG, Germany 2: University of Wuppertal, Germany 3: FIZ Karlsruhe, Germany 4: University of Konstanz, Germany</p>
	Time	<p>UTC+8 / 02:30-04:00 ^{+1Day} UTC-4 / 14:30-16:00 UTC+1 / 19:30-21:00</p>
Location	Room 1	<p>NA-L-1: Web Archive - 1</p> <p>Chair: Weijia Xu (The Texas Advanced Computing Center, United States)</p> <p>The Archives Unleashed Project: Technology, Process, and Community to Improve Scholarly Access to Web Archives</p> <p>Nick Ruest¹, Jimmy Lin², Ian Milligan², Samantha Fritz²</p> <p>1: York University, Canada 2: University of Waterloo, Canada</p>

		<p>Identifying Documents In-Scope of a Collection from Web Archives 🏆 <i>The Best Student Paper</i></p> <p>Krutarth Patel¹, Cornelia Caragea², Mark Phillips³, Nathaniel Fox³ 1: Kansas State University, United States 2: University of Illinois at Chicago, United States 3: University of North Texas, United States</p> <p>The Case for Alternative Web Archival Formats to Expedite the Data-To-Insight Cycle Xinyue Wang¹, Zhiwu Xie¹ 1: Virginia Tech, United States</p>
Date: Monday, 3/August/2020		
		<p style="text-align: center;">Time</p> <p style="text-align: center;">UTC+8 / 08:30-10:00 UTC-4 / 20:30-22:00 UTC+1 / 01:30-03:00</p>
Location	Room 1	<p>AP-L-4: Scholarly Knowledge - 2 <i>Chair: Chengzhi Zhang (Nanjing University of Science and Technology)</i></p> <p>Characterize and Evaluate Scientific Domain and Domain Context Knowledge Map Jinsong Zhang¹, Xiaozhong Liu², Chun Guo² 1: Dalian Maritime University, China 2: Indiana University Bloomington, United States</p> <p>The Knowledge Import and Export of LIS: The Destinations, Citation Peak Lag, and Changes Renli Wu¹, Hanqin Yang¹, Wenxuan Shi¹, Shuksin Ng² 1: Wuhan University, China 2: The Chinese University of Hong Kong, China</p> <p>Aspect-based Sentiment Analysis of Scientific Reviews Souvic Chakraborty¹, Pawan Goyal¹, Animesh Mukherjee¹ 1: Indian Institute of Technology Kharagpur, India</p>
		<p style="text-align: center;">Time</p> <p style="text-align: center;">UTC+8 / 10:30-12:00 UTC-4 / 22:30-24:00 UTC+1 / 03:30-05:00</p>
Location	Room 1	<p>AP-S-1: Digital Libraries - 2 <i>Chair: Lu An (Wuhan University, China)</i></p> <p>Information Extraction in Digital Libraries: First Steps towards Portability of LBD Workflow Menasha Thilakarathne¹, Katrina Falkner¹, Thushari Atapattu¹ 1: The University of Adelaide, Australia</p> <p>Finding a Safe Port: Cyber-Security Analysis for Open Source Digital Library Software Alex Tudu¹, David Bainbridge¹, William Rogers¹ 1: University of Waikato, New Zealand</p> <p>Keyword Recommendation Methods for Earth Science Data Considering Hierarchical Structure of Vocabularies Toshiyuki Shimizu¹, Joji Kido¹, Masatoshi Yoshikawa¹ 1: Kyoto University, Japan</p> <p>A Multimodal Music Recommendation System with Listeners' Personality and Physiological Signals Ruilun Liu¹, Xiao Hu¹ 1: The University of Hong Kong, China</p>

Time		UTC+8 / 15:30-17:00	UTC-4 / 03:30-05:00	UTC+1 / 08:30-10:00
Location	Room 1	<p>AP-5-2: Digital Humanities Chair: Xiaoguang Wang (Wuhan University, China)</p> <p>Strike a Pose: Gender and the Public and Private Performance of Magazine Reading Dana Mckay¹, Michael Twidale², George Buchanan¹ 1: The University of Melbourne, Australia 2: University of Illinois at Urbana-Champaign, United States</p> <p>Evaluation of Low-end Virtual Reality Content of Cultural Heritage: A Preliminary Study with Eye Movement Jeremy Tzi-Dong Ng¹, Weichen Liu², Xiao Hu¹, Tzyy-Ping Jung² 1: The University of Hong Kong, China 2: The University of California, San Diego, United States</p> <p>Garbage In, Garbage Out? An Empirical Look at Information Richness of LBD Input Types Menasha Thilakaratne¹, Katrina Falkner¹, Thushari Atapattu¹ 1: The University of Adelaide, Australia</p> <p>How to Organize Digital Tools to Help Scholars in Digital Humanities Research? Shuran Liu¹, Jun Wang¹ 1: Peking University, China</p>		
Time		UTC+8 / 17:30-19:00	UTC-4 / 05:30-07:00	UTC+1 / 10:30-12:00
Location	Room 1	<p>EU-5-2: Domain Specific Applications Chair: Jingzhu Wei (Sun Yat-sen University, China)</p> <p>Supporting the Exploration of Semantic Features in Academic Literature Using Graph-based Visualizations Corinna Breiting¹, Birkan Kolcu², Monique Meuschke³, Norman Meuschke³, Bela Gipp³ 1: University of Konstanz, Germany 2: University of Arizona, United States 3: University of Wuppertal, Germany</p> <p>Towards an Open Platform for Legal Information Malte Ostendorff¹, Till Blume², Saskia F. Ostendorff³ 1: German Research Center for Artificial Intelligence, Germany 2: Kiel University, Germany 3: Humboldt University Berlin, Germany</p> <p>Enabling News Consumers to View and Understand Biased News Coverage: A Study on the Perception and Visualization of Media Bias Timo Spinde^{1,2}, Felix Hamborg², Angelica Becerra², Karsten Donnay², Bela Gipp¹ 1: University of Wuppertal, Germany 2: University Konstanz, Germany</p> <p>Open Access 2007-2017: Country and University Level Perspective Bikash Gyawali¹, Nancy Pontika¹, Petr Knoth¹ 1: The Open University, United Kingdom</p>		
Time		UTC+8 / 20:00-21:30	UTC-4 / 08:00-09:30	UTC+1 / 13:00-14:30
Location	Room 1	<p>Panel 1: Data and Information Literacy Education: Methods, Models, and Challenges</p> <p>Ruhua Huang¹, Dan Wu¹, Jeonghyun (Annie) Kim², Billy Tak Hoi Leung³ 1: Wuhan University, China 2: University of North Texas, United States 3: University of Macao, China</p>		

Time		UTC+8 / 22:00-23:30	UTC-4 / 10:00-11:30	UTC+1 / 15:00-16:30
Location	Room 1	Keynote 2: Towards a Sustainable Infrastructure for the Preservation of Cultural Heritage and Digital Scholarship Peter Zhou, University of California, Berkeley, United States		
Time		UTC+8 / 00:30-02:00 +1Day	UTC-4 / 12:30-14:00	UTC+1 / 17:30-19:00
Location	Room 1	NA-L-2: Scholarly Data Chair: Jian Wu (Old Dominion University, United States) Towards Knowledge Maintenance in Scientific Digital Libraries with the Keystone Framework Yuanxi Fu ¹ , Jodi Schneider ¹ 1: University of Illinois Urbana Champaign, United States Seeking Justification: How Expert Reviewers Validate Empirical Claims with Data Annotations Nicholas Weber ¹ , Sebastian Karcher ² 1: University of Washington, United States 2: Qualitative Data Repository / Syracuse University, United States Modeling Data Curation to Scientific Inquiry: A Case Study for Multimodal Data Integration Maria Esteva ¹ , Weijia Xu ¹ , Nevan Simone ¹ , Amit Gupta ¹ , Moriba Jah ¹ 1: The University of Texas at Austin, United States		
	Room 2	Tutorial 2: Preparing Code and Data for Computational Reproducibility William Ingram ¹ , Edward Fox ¹ 1: Virginia Polytechnic Institute and State University, United States		
Time		UTC+8 / 02:30-04:00 +1Day	UTC-4 / 14:30-16:00	UTC+1 / 19:30-21:30
Location	Room 1	NA-S-1: Web Archive - 2 Chair: Zhiwu Xie (Virginia Tech, United States) Creating a Bespoke Virtual Reality Personal Library Space for Persons with Severe Visual Disabilities Kurtis Philip Aidan Jeffrey Weir ¹ , Fernando Loizides ² , Vinita Nahar ¹ , Amar Aggoun ¹ , George Buchanan ³ 1: University of Wolverhampton, United Kingdom 2: Cardiff University, United Kingdom 3: The University of Melbourne, Australia A Comparative Study of Sequence Tagging Methods for Domain Knowledge Entity Recognition in Biomedical Papers Jian Wu ¹ , Md Reshad Ul Hoque ¹ , Gunnar W. Reiske ¹ , Michele C. Weigle ¹ , Brenda T. Bradshaw ¹ , Holly D. Gaff ¹ , Jiang Li ¹ , Chiman Kwan ² 1: Old Dominion University, United States 2: Applied Research LLC, United States On the Ambiguity and Relevance of Place Names in Scientific Text Xiaoliang Jiang ¹ , Vette Torvik ¹ 1: University of Illinois at Urbana Champaign, United States Improving Digital Libraries' Provision of Digital Humanities Datasets: A Case Study of HTRC Literature Dataset Yuerong Hu ¹ , Ming Jiang ¹ , Ted Underwood ¹ , J. Stephen Downie ¹ 1: University of Illinois at Urbana-Champaign, United States		

	Room 2	<p>Tutorial 2: Preparing Code and Data for Computational Reproducibility</p> <p>William Ingram¹, Edward Fox¹</p> <p>1: Virginia Polytechnic Institute and State University, United States</p>
Date: Tuesday, 4/August/2020		
		<p>Time</p> <p>UTC+8 / 08:30-10:00 UTC-4 / 20:30-22:00 UTC+1 / 01:30-03:00</p>
Location	Room 1	<p>AP-L-5: Content Annotation</p> <p>Chair: Xiao Hu(The University of Hong Kong, Hong Kong, China)</p> <p>Person Name Recognition with Fine-grained Annotation</p> <p>Yimeng Dai¹, Rui Zhang¹, Jianzhong Qi¹</p> <p>1: The University of Melbourne, Australia</p> <p>Chinese Calligraphy Character Image Recognition and Its Applications in Web and WeChat Applet Platform</p> <p>Bingyao Pang¹, Jiangqin Wu¹</p> <p>1: Zhejiang University, China</p> <p>The ACL FWS-RC: A Dataset for Recognition and Classification of Sentence about Future Works</p> <p>Wenke Hao¹, Zhicheng Li¹, Yuchen Qian¹, Yuzhuo Wang¹, Chengzhi Zhang¹</p> <p>1: Nanjing University of Science and Technology, China</p>
	Room 2	<p>Tutorial 1: The Science of Science</p> <p>Dashun Wang¹, Lu Liu²</p> <p>1: Northwestern University, United States</p> <p>2: Pennsylvania State University, United States</p>
		<p>Time</p> <p>UTC+8 / 10:30-12:00 UTC-4 / 22:30-24:00 UTC+1 / 03:30-05:00</p>
Location	Room 1	<p>AP-S-3: Search and Recommendation</p> <p>Chair: Kazunari Sugiyama(Kyoto University, Japan)</p> <p>A Grounded Theory Approach for Modelling the Knowledge Construction Process in Exploratory Search</p> <p>Ping Liu¹, Feiwen Li¹, Zhiwei Yang¹</p> <p>1: Wuhan University, China</p> <p>Personalized Book Recommendation to Young Readers: Two Online Prototypes and a Preliminary User Evaluation</p> <p>Xiao Hu¹, Jeremy T. D. Ng¹, Chengrui Yang¹, Samuel K. W. Chu¹</p> <p>1: The University of Hong Kong, China</p> <p>Interacting with Mobile Music Applications: Investigation of Influencing Factors of Music Information Encountering</p> <p>Xiang Xue¹, Shijie Song², Yuxiang Zhao¹</p> <p>1: Nanjing University of Science and Technology, China</p> <p>2: Nanjing University, China</p> <p>A Comparative Study of the Relationship between Subjective Difficulty, Objective Difficulty of Search Tasks and Search Behaviors</p> <p>Kun Huang¹, Jiaqi Chen¹, Chang Liu², Lulu Zhang³</p> <p>1: Beijing Normal University, China</p> <p>2: Peking University, China</p> <p>3: Library of Jiangnan University, China</p>

	Room 2	<p>Tutorial 1: The Science of Science</p> <p>Dashun Wang¹, Lu Liu²</p> <p>1: Northwestern University, United States 2: Pennsylvania State University, United States</p>
Time		<p>UTC+8 / 13:30-15:00 UTC-4 / 1:30-3:00 UTC+1 / 06:30-08:00</p>
Location	Room 1	<p>AP-S-4: Network and Learning</p> <p>Chair: Liang Hong (Wuhan University, China)</p> <p>Spatial Research Leadership Flows and Spatial Research Leadership Rank: A Case Study of Pharmaceutical Field</p> <p>Chaocheng He¹, Kaili Wang¹, Jiang Wu¹</p> <p>1: Wuhan University, China</p> <p>Segmenting Scientific Abstracts into Discourse Categories: A Deep Learning-Based Approach for Sparse Labeled Data</p> <p>Soumya Banerjee¹, Debarshi Kumar Sanyal¹, Samiran Chattopadhyay², Plaban Kumar Bhowmick¹, Partha Pratim Das¹</p> <p>1: National Digital Library of India, IIT Kharagpur, India 2: Jadavpur University, India</p> <p>ConvCN: A CNN-Based Citation Network Embedding Algorithm Towards Citation Recommendation</p> <p>Chanathip Pornprasit¹, Xin Liu², Natthawut Kertkeidkachorn², Kyoung-Sook Kim², Thanapon Noraset¹, Suppawong Tuarob¹</p> <p>1: Mahidol University, Thailand 2: AIRC, AIST, Japan</p> <p>Relation Aware Attention Model for Uncertainty Detection in Text</p> <p>Manjira Sinha¹, Nilesh Agarwal¹, Tirthankar Dasgupta²</p> <p>1: Indian Institute of technology Kharagpur, India 2: Tata Consultancy Services, India</p>
Time		<p>UTC+8 / 15:30-17:00 UTC-4 / 03:30-05:00 UTC+1 / 08:30-10:00</p>
Location	Room 1	<p>EU-L-3: Digital Libraries - 3</p> <p>Chair: Kun Huang (Beijing Normal University, China)</p> <p>Large-Scale Evaluation of Keyphrase Extraction Models</p> <p>Ygor Gallina¹, Florian Boudin¹, Béatrice Daille¹</p> <p>1: Université de Nantes, France</p> <p>Visualising Large Document Collections by Jointly Modeling Text and Network Structure 🏆</p> <p>The Best Student Paper Honorable Mention</p> <p>Tim Repke¹, Ralf Krestel¹</p> <p>1: University of Potsdam, Germany</p> <p>Digital Library Adaptation for Traditional Music and Content-Based Research: Polish Sound Archives and dLibra</p> <p>Madgalena Chudy¹, Ewa Łukasik², Tomasz Parkoła³, Jacek Jackowski¹, Ewa Kuśmierczak³ and Ewa Dahlig-Turek¹</p> <p>1: Institute of Art of the Polish Academy of Sciences, Poland 2: Institute of Computing Science Poznan University of Technology, Poland 3: Poznan Supercomputing and Networking Center, Poland</p>

Time		UTC+8 / 17:30-19:00	UTC-4 / 05:30-07:00	UTC+1 / 10:30-12:00
Location	Room 1	<p>EU-L-4: Neural Semantic Representation Chair: Ralf Krestel (University of Potsdam, Germany)</p> <p>Explainable Word-Embeddings for Medical Digital Libraries – A Context-Aware Approach Janus Wawrzinek¹, Said Ahmad Ratib Hussaini², Oliver Wiehr³, Jose Maria Gonzalez Pinto¹, Wolf-Tilo Balke¹ 1: Institute for Information Systems, TU-Braunschweig, Germany 2: Technische Universität Braunschweig, Germany 3: University of Houston, United States</p> <p>Mining Semantic Subspaces to Express Discipline-Specific Similarities Janus Wawrzinek¹, Jose Maria Gonzalez Pinto¹, Wolf-Tilo Balke¹ 1: Institute for Information Systems, TU-Braunschweig, Germany</p> <p>A Neural-based Architecture for Small Datasets Classification Andi Rexha¹, Mauro Dragoni², Roman Kern¹ 1: Know-Center, Austria 2: Fondazione Bruno Kessler - FBK-IRST, Italy</p>		
	Room 1	<p>Practitioner</p> <p>Artificial Reality + Education Guangzhou Children's Library Services Innovation Cui Hong Wu¹, Li Zhen Tao¹, Wei Fu Deng¹ 1: Guangzhou Children's Library, China</p> <p>Customization and Localization of DSpace-CRIS in China Le Yang^{1,2}, Zhongda Zhang³, Enci Chen² 1: Wuhan University, China 2: Wenzhou-Kean University, United States 3: University of Oklahoma, USA</p> <p>Representing the Chinese Seal Stamping Catalogs Using IIIF & Serverless Song Xue¹, Yanlin Li¹, Lei Ren¹ 1: Fudan University Library, China</p> <p>An Academic Resource Navigation System Based on Subject Aggregation and Usage Data —Taking "Resource Map" of Shanghai Jiao Tong University Library (SJTUL) as an Example Youhua Chen¹, Di Huang¹ 1: Shanghai Jiao Tong University Library, China</p> <p>CHCI: A Crowdsourcing Human-computer Interaction Framework for Cultural Heritage Knowledge Wenjun Hou¹, Huijie Han¹, Liang Hong¹ 1: Wuhan University, China</p> <p>Exploring the Transdisciplinary Nature of Digital Humanities Menghui Yang¹, Man Wang¹, Hanlin Wang¹, Guancan Yang¹, Hua Liu² 1: Renmin University of China 2: China Software Industry Association</p> <p>Online Data Literacy Services during the COVID-19 Epidemic Prevention - Taking Peking University Library as an Example Aizhi Wu¹ 1: Peking University</p>		
Time		UTC+8 / 20:00-21:30	UTC-4 / 08:00-09:30	UTC+1 / 13:00-14:30
Location	Room 1	<p>Practitioner</p> <p>Artificial Reality + Education Guangzhou Children's Library Services Innovation Cui Hong Wu¹, Li Zhen Tao¹, Wei Fu Deng¹ 1: Guangzhou Children's Library, China</p> <p>Customization and Localization of DSpace-CRIS in China Le Yang^{1,2}, Zhongda Zhang³, Enci Chen² 1: Wuhan University, China 2: Wenzhou-Kean University, United States 3: University of Oklahoma, USA</p> <p>Representing the Chinese Seal Stamping Catalogs Using IIIF & Serverless Song Xue¹, Yanlin Li¹, Lei Ren¹ 1: Fudan University Library, China</p> <p>An Academic Resource Navigation System Based on Subject Aggregation and Usage Data —Taking "Resource Map" of Shanghai Jiao Tong University Library (SJTUL) as an Example Youhua Chen¹, Di Huang¹ 1: Shanghai Jiao Tong University Library, China</p> <p>CHCI: A Crowdsourcing Human-computer Interaction Framework for Cultural Heritage Knowledge Wenjun Hou¹, Huijie Han¹, Liang Hong¹ 1: Wuhan University, China</p> <p>Exploring the Transdisciplinary Nature of Digital Humanities Menghui Yang¹, Man Wang¹, Hanlin Wang¹, Guancan Yang¹, Hua Liu² 1: Renmin University of China 2: China Software Industry Association</p> <p>Online Data Literacy Services during the COVID-19 Epidemic Prevention - Taking Peking University Library as an Example Aizhi Wu¹ 1: Peking University</p>		
	Room 1	<p>Practitioner</p> <p>Artificial Reality + Education Guangzhou Children's Library Services Innovation Cui Hong Wu¹, Li Zhen Tao¹, Wei Fu Deng¹ 1: Guangzhou Children's Library, China</p> <p>Customization and Localization of DSpace-CRIS in China Le Yang^{1,2}, Zhongda Zhang³, Enci Chen² 1: Wuhan University, China 2: Wenzhou-Kean University, United States 3: University of Oklahoma, USA</p> <p>Representing the Chinese Seal Stamping Catalogs Using IIIF & Serverless Song Xue¹, Yanlin Li¹, Lei Ren¹ 1: Fudan University Library, China</p> <p>An Academic Resource Navigation System Based on Subject Aggregation and Usage Data —Taking "Resource Map" of Shanghai Jiao Tong University Library (SJTUL) as an Example Youhua Chen¹, Di Huang¹ 1: Shanghai Jiao Tong University Library, China</p> <p>CHCI: A Crowdsourcing Human-computer Interaction Framework for Cultural Heritage Knowledge Wenjun Hou¹, Huijie Han¹, Liang Hong¹ 1: Wuhan University, China</p> <p>Exploring the Transdisciplinary Nature of Digital Humanities Menghui Yang¹, Man Wang¹, Hanlin Wang¹, Guancan Yang¹, Hua Liu² 1: Renmin University of China 2: China Software Industry Association</p> <p>Online Data Literacy Services during the COVID-19 Epidemic Prevention - Taking Peking University Library as an Example Aizhi Wu¹ 1: Peking University</p>		

		<p>Contemporary Chinese Village Gazetteer Data Project — An Innovation and Attempt of Digital Humanities by University of Pittsburgh Haihui Zhang¹, Yuanziyi Zhang¹, Qi Xin¹, Fanghui Xiao¹ 1: University of Pittsburgh, United States</p> <p>Utilizing Information Literacy Micro-lessons to Enhance STEM Student Research Brianna Buljung¹, Emily Bongiovanni¹ 1: Colorado School of Mines, United States</p> <p>Multi-tenancy Cloud Access and Preservation: Virginia Tech Digital Libraries Platform James Tuttle¹, Yinlin Chen¹, Tingting Jiang¹, Lee Hunter¹, Andrea Waldren¹, Soumik Ghosh¹, William Ingram¹ 1: Virginia Polytechnic Institute and State University, United States</p>		
	Room 2	<p>Tutorial3: Introduction to Digital Libraries Edward Fox¹, William Ingram¹ 1: Virginia Polytechnic Institute and State University, United States</p>		
	Room 3	<p>Panel 2: Conceptual Models and Ontological Schemas for Semantically Sustainable Digital Libraries Jian Qin¹, Maja Žumer², Xiaoguang Wang³, Wei Fan⁴ 1: Syracuse University, United States 2: University of Ljubljana, Slovenia 3: Wuhan University, China 4: Sichuan University, China</p>		
	Time	UTC+8 / 22:00-23:30	UTC-4 / 10:00-11:30	UTC+1 / 15:00-16:30
Location	Room 1	<p>Practitioner Customization and Localization of DSpace-CRIS in China Le Yang^{1,2}, Zhongda Zhang³, Enci Chen² 1: Wuhan University, China 2: Wenzhou-Kean University, United States 3: University of Oklahoma, USA</p> <p>Representing the Chinese Seal Stamping Catalogs Using IIF & Serverless Song Xue¹, Yanlin Li¹, Lei Ren¹ 1: Fudan University Library, China</p> <p>An Academic Resource Navigation System Based on Subject Aggregation and Usage Data —Taking “Resource Map” of Shanghai Jiao Tong University Library (SJTUL) as an Example Youhua Chen¹, Di Huang¹ 1: Shanghai Jiao Tong University Library, China</p> <p>CHCI: A Crowdsourcing Human-computer Interaction Framework for Cultural Heritage Knowledge Wenjun Hou¹, Huijie Han¹, Liang Hong¹ 1: Wuhan University, China</p> <p>Utilizing Information Literacy Micro-lessons to Enhance STEM Student Research Brianna Buljung¹, Emily Bongiovanni¹ 1: Colorado School of Mines, United States</p>		

		<p>Multi-tenancy Cloud Access and Preservation: Virginia Tech Digital Libraries Platform James Tuttle¹, Yinlin Chen¹, Tingting Jiang¹, Lee Hunter¹, Andrea Waldren¹, Soumik Ghosh¹, William Ingram¹ 1: Virginia Polytechnic Institute and State University, United States</p> <p>Contemporary Chinese Village Gazetteer Data Project — An Innovation and Attempt of Digital Humanities by University of Pittsburgh Haihui Zhang¹, Yuanziyi Zhang¹, Qi Xin¹, Fanghui Xiao¹ 1: University of Pittsburgh, United States</p> <p>Artificial Reality + Education Guangzhou Children's Library Services Innovation Cui Hong Wu¹, Li Zhen Tao¹, Wei Fu Deng¹ 1: Guangzhou Children's Library, China</p> <p>Exploring the Transdisciplinary Nature of Digital Humanities Menghui Yang¹, Man Wang¹, Hanlin Wang¹, Guancan Yang¹, Hua Liu² 1: Renmin University of China 2: China Software Industry Association</p> <p>Online Data Literacy Services during the COVID-19 Epidemic Prevention - Taking Peking University Library as an Example Aizhi Wu¹ 1: Peking University</p>
	Room 2	<p>Tutorial3: Introduction to Digital Libraries Edward Fox¹, William Ingram¹ 1: Virginia Polytechnic Institute and State University, United States</p>
Time		UTC+8 / 00:30-02:00 ^{+1Day} UTC-4 / 12:30-14:00 UTC+1 / 17:30-19:00
Location	Room 2	<p>Tutorial 4: Writing about Data Science Research Kevin Bretonnel Cohen¹, Daniela Gifu² 1: University of Colorado School of Medicine, United States 2: University of Iasi & Romanian Academy - Iasi Branch, Romania</p>
Time		UTC+8 / 02:30-04:00 ^{+1Day} UTC-4 / 14:30-16:00 UTC+1 / 19:30-21:00
Location	Room 2	<p>Tutorial 4: Writing about Data Science Research Kevin Bretonnel Cohen¹, Daniela Gifu² 1: University of Colorado School of Medicine, United States 2: University of Iasi & Romanian Academy - Iasi Branch, Romania</p>
Date: Wednesday, 5/August/2020		
Time		UTC+8 / 08:00-9:30 UTC-4 / 20:00-21:30 UTC+1 / 01:00-02:30
Location	Room 1	<p>Workshop 7: Data-driven Smart Library Services in China Lihong Zhou¹, Zhiqiang Wu¹, Gang Wu¹, Siluo Yang¹, 1: Wuhan University, China</p>
	Room 2	
	Room 3	<p>Workshop 4: Organizing Big Data, Information, and Knowledge Oksana L. Zavalina¹, Jeonghyun Kim¹, Xiaoguang Wang², Qikai Cheng² 1: University of North Texas, United States 2: Wuhan University, China</p>

Time		UTC+8 / 10:00-11:30	UTC-4 / 22:00-23:30	UTC+1 / 03:00-04:30
Location	Room 1	Workshop 7: Data-driven Smart Library Services in China		
	Room 2	Lihong Zhou ¹ , Zhiqiang Wu ¹ , Gang Wu ¹ , Siluo Yang ¹ , 1: Wuhan University, China		
	Room 3	Workshop 4: Organizing Big Data, Information, and Knowledge Oksana L. Zavalina ¹ , Jeonghyun Kim ¹ , Xiaoguang Wang ² , Qikai Cheng ² 1: University of North Texas, United States 2: Wuhan University, China		
Time		UTC+8 / 12:00-13:30	UTC-4 / 00:00-1:30	UTC+1 / 05:00-06:30
Location	Room 3	Workshop 4: Organizing Big Data, Information, and Knowledge Oksana L. Zavalina ¹ , Jeonghyun Kim ¹ , Xiaoguang Wang ² , Qikai Cheng ² 1: University of North Texas, United States 2: Wuhan University, China		
Time		UTC+8 / 14:00-15:30	UTC-4 / 02:00-3:30	UTC+1 / 07:00-08:30
Location	Room 1	Workshop 7: Data-driven Smart Library Services in China		
	Room 2	Lihong Zhou ¹ , Zhiqiang Wu ¹ , Gang Wu ¹ , Siluo Yang ¹ , 1: Wuhan University, China		
Time		UTC+8 / 16:00-17:30	UTC-4 / 04:00-05:30	UTC+1 / 09:00-10:30
Location	Room 1	Workshop 7: Data-driven Smart Library Services in China		
	Room 2	Lihong Zhou ¹ , Zhiqiang Wu ¹ , Gang Wu ¹ , Siluo Yang ¹ , 1: Wuhan University, China		
	Room 4	Workshop 5: 8th International Workshop on Mining Scientific Publications (WOSP 2020) Petr Knoth ¹ , Christopher Stahl ² , Bikash Gyawali ¹ , David Pride ¹ , Drahomira Herrmannova ² , Suchetha N. Kunnath ³ 1: The Open University, United Kingdom 2: Oak Ridge National Laboratory, United States 3: The Open University, UK		
Time		UTC+8 / 18:00-19:30	UTC-4 / 06:00-07:30	UTC+1 / 11:00-12:30
	Room 4	Workshop 5: 8th International Workshop on Mining Scientific Publications (WOSP 2020) Petr Knoth ¹ , Christopher Stahl ² , Bikash Gyawali ¹ , David Pride ¹ , Drahomira Herrmannova ² , Suchetha N. Kunnath ³ 1: The Open University, United Kingdom 2: Oak Ridge National Laboratory, United States 3: The Open University, UK		
Time		UTC+8 / 20:00-21:30	UTC-4 / 08:00-09:30	UTC+1 / 13:00-14:30
Location	Room 1	Keynote 3: Natural Language Technologies for Internet Applications Luo Si, Alibaba Group Inc, China		

Time		UTC+8 / 21:40-22:40	UTC-4 / 09:40-10:40	UTC+1 / 14:40-15:40
Location	Room 1	Closing Ceremony		
Time		UTC+8 / 23:00-00:30	UTC-4 / 11:00-12:30	UTC+1 / 16:00-17:30
Location	Room 1	Workshop 6: Web Archiving and Digital Libraries Zhiwu Xie ¹ , Martin Klein ² , Edward A Fox ¹ 1: Virginia Tech, United States 2: Los Alamos National Lab, United States		
	Room 3	Workshop 4: Organizing Big Data, Information, and Knowledge Oksana L. Zavalina ¹ , Jeonghyun Kim ¹ , Xiaoguang Wang ² , Qikai Cheng ² 1: University of North Texas, United States 2: Wuhan University, China		
	Room 4	Workshop 5: 8th International Workshop on Mining Scientific Publications (WOSP 2020) Petr Knoth ¹ , Christopher Stahl ² , Bikash Gyawali ¹ , David Pride ¹ , Drahomira Herrmannova ² , Suchetha N. Kunnath ³ 1: The Open University, United Kingdom 2: Oak Ridge National Laboratory, United States 3: The Open University, UK		
Time		UTC+8 / 01:00-02:30 +1Day	UTC-4 / 13:00-14:30	UTC+1 / 18:00-19:30
Location	Room 1	Workshop 6: Web Archiving and Digital Libraries Zhiwu Xie ¹ , Martin Klein ² , Edward A Fox ¹ 1: Virginia Tech, United States 2: Los Alamos National Lab, United States		
	Room 4	Workshop 5: 8th International Workshop on Mining Scientific Publications (WOSP 2020) Petr Knoth ¹ , Christopher Stahl ² , Bikash Gyawali ¹ , David Pride ¹ , Drahomira Herrmannova ² , Suchetha N. Kunnath ³ 1: The Open University, United Kingdom 2: Oak Ridge National Laboratory, United States 3: Knowledge Media institute, The Open University, UK		
Time		UTC+8 / 03:00-04:30 +1Day	UTC-4 / 15:00-16:30	UTC+1 / 20:00-21:30
Location	Room 1	Workshop 6: Web Archiving and Digital Libraries Zhiwu Xie ¹ , Martin Klein ² , Edward A Fox ¹ 1: Virginia Tech, United States 2: Los Alamos National Lab, United States		
Time		UTC+8 / 05:00-06:30 +1Day	UTC-4 / 17:00-18:30	UTC+1 / 22:00-23:30
Location	Room 1	Workshop 6: Web Archiving and Digital Libraries Zhiwu Xie ¹ , Martin Klein ² , Edward A Fox ¹ 1: Virginia Tech, United States 2: Los Alamos National Lab, United States		

Full Paper

Session & Topic	Location & Time	ID	Title	Author
AP-L-1: Scholarly Communication Chair: Lei Li (Beijing Normal University, China)	Room 1 Day 2 August 2 Beijing Time 08:30-10:00 (UTC+8) 20:30-22:00 (UTC-4) 01:30-03:00 (UTC+1)	128	Characterising Authors on the Extent of their Paper Acceptance: A Case Study of the Journal of High Energy Physics	Rima Hazra ¹ , Aryan Aryan ¹ , Hardik Aggarwal ¹ , Matteo Marsili ² , Animesh Mukherjee ¹ 1: Indian Institute of Technology, India 2: ICTP, Italy
		130	Gatekeeper: Analyzing G-Indexes and Improving Service Quantification	Jingtao Han ¹ , Spyke Krepshaw ² , Dongwon Lee ² 1: Peking University, China 2: Penn State University, United States
		147	Unsupervised Anomaly Detection in Journal-Level Citation Networks	Baani Lean Kaur Jolly ¹ , Lavina Jain ¹ , Debajyoti Bera ¹ , Tanmoy Chakraborty ¹ 1: IIIT-Delhi, India
AP-L-2: User in Search Chair: Chang Liu (Peking University, China)	Room 1 Day 2 August 2 Beijing Time 10:30-12:00 (UTC+8) 22:30-24:00 (UTC-4) 03:30-05:00 (UTC+1)	054	Personalization Finder: A Search Interface for Identifying and Self-controlling Web Search Personalization 🏆 The Vannevar Bush Best Paper Award	Yusuke Yamamoto ¹ , Takehiro Yamamoto ² 1: Shizuoka University, Japan 2: University of Hyogo, Japan
		148	Users' Knowledge Use and Change during Information Searching Process: A Perspective of Vocabulary Usage	Yao Zhang ¹ , Chang Liu ¹ 1: Peking University, China
		214	Exploring the Effect of Personalized Background Music on Reading Comprehension	Ying Que ¹ , Yueyuan Zheng ¹ , Janet H. Hsiao ¹ , Xiao Hu ¹ 1: The University of Hong Kong, China

<p>AP-L-3: Digital Libraries - 1</p> <p>Chair: George Buchanan (University of Melbourne, Australia)</p>	<p>Room 1 Day 2 August 2 Beijing Time 13:30-15:00 (UTC+8) 01:30-03:00 (UTC-4) 06:30-08:00 (UTC+1)</p>	026	<p>Identification, Tracking and Impact: Understanding the Trade Secret of Catchphrases</p>	<p>Jagriti Jalal¹, Mayank Singh², Arindam Pal³, Lipika Dey⁴, Animesh Mukherjee¹</p> <p>1: Indian Institute of Technology Kharagpur, India 2: Indian Institute of Technology Gandhinagar, India 3: Data61, CSIRO, India 4: TCS Innovation Lab, India</p>
		050	<p>Multivariate Relations Aggregation Learning in Social Networks 🏆</p> <p>The Vannevar Bush Best Paper Honorable Nomination</p>	<p>Jin Xu¹, Shuo Yu¹, Ke Sun¹, Jing Ren¹, Ivan Lee², Shirui Pan³, Feng Xia⁴</p> <p>1: Dalian University of Technology, China 2: University of South Australia, Australia 3: Monash University, Australia 4: Federation University Australia, Australia</p>
		150	<p>Making Recommendations from Web Archives for "Lost" Web Pages</p>	<p>Lulwah Alkwai¹, Michael Nelson², Michele Weigle²</p> <p>1: University of Hail, Saudi Arabia 2: Old Dominion University, United States</p>
<p>AP-L-4: Scholarly Knowledge - 2</p> <p>Chair: Chengzhi Zhang (Nanjing University of Science and Technology)</p>	<p>Room 1 Day 3 August 3 Beijing Time 08:30-10:00 (UTC+8) 20:30-22:00 (UTC-4) 01:30-03:00 (UTC+1)</p>	070	<p>Characterize and Evaluate Scientific Domain and Domain Context Knowledge Map</p>	<p>Jinsong Zhang¹, Xiaozhong Liu², Chun Guo²</p> <p>1: Dalian Maritime University, China 2: Indiana University Bloomington, United States</p>
		177	<p>The Knowledge Import and Export of LIS: The Destinations, Citation Peak Lag, and Changes</p>	<p>Renli Wu¹, Hanqin Yang¹, Wenxuan Shi¹, Shuksin Ng²</p> <p>1: Wuhan University, China 2: The Chinese University of Hong Kong, Hong Kong, China</p>
		209	<p>Aspect-based Sentiment Analysis of Scientific Reviews</p>	<p>Souvic Chakraborty¹, Pawan Goyal¹, Animesh Mukherjee¹</p> <p>1: Indian Institute of Technology Kharagpur, India</p>

<p>AP-L-5: Content Annotation</p> <p>Chair: Xiao Hu (The University of Hong Kong, Hong Kong, China)</p>	<p>Room 1 Day 4 August 4 Beijing Time 08:30-10:00 (UTC+8) 20:30-22:00 (UTC-4) 01:30-03:00 (UTC+1)</p>	032	Person Name Recognition with Fine- grained Annotation	Yimeng Dai ¹ , Rui Zhang ¹ , Jianzhong Qi ¹ 1: The University of Melbourne, Australia
		033	Chinese Calligraphy Character Image Recognition and Its Applications in Web and Wechat Applet Platform	Bingyao Pang ¹ , Jiangqin Wu ¹ 1: Zhejiang University, China
		115	The ACL FWS- RC: A Dataset for Recognition and Classification of Sentence about Future Works	Wenke Hao ¹ , Zhicheng Li ¹ , Yuchen Qian ¹ , Yuzhuo Wang ¹ , Chengzhi Zhang ¹ 1: Nanjing University of Science and Technology, China
<p>EU-L-1: Scholarly Knowledge - 1</p> <p>Chair: Lin Wang (Academy of Psychology Tianjin Normal University, China)</p>	<p>Room 1 Day 2 August 2 Beijing Time 15:30-17:00 (UTC+8) 03:30-05:00 (UTC-4) 08:30-10:00 (UTC+1)</p>	060	Generate FAIR Literature Surveys with Scholarly Knowledge Graphs	Allard Oelen ¹ , Mohamad Yaser Jaradeh ¹ , Markus Stocker ² , Sören Auer ^{2,3} 1: Leibniz University Hannover, Germany 2: German National Library of Science and Technology (TIB), Germany 3: University of Hannover, Germany
		137	Toward Representing Research Contributions in Scholarly Knowledge Graphs Using Knowledge Graph Cells	Lars Vogt ¹ , Jennifer D'Souza ¹ , Markus Stocker ¹ , Sören Auer ^{1,2} 1: TIB Leibniz Information Centre for Science and Technology, Germany 2: L3S Research Center, Germany
		156	HybridCite: A Hybrid Model for Context- Aware Citation Recommendation	Michael Färber ¹ , Ashwath Sampath ² 1: Karlsruhe Institute of Technology, Germany 2: University of Freiburg, Germany

<p>EU-L-2: Document Classification</p> <p>Chair: Chuanming Yu (Zhongnan University of Economics and Law, China)</p>	<p>Room 1</p> <p>Day 2</p> <p>August 2 Beijing Time</p> <p>17:30-19:00 (UTC+8)</p> <p>05:30-07:00 (UTC-4)</p> <p>10:30-12:00 (UTC+1)</p>	098	<p>Pairwise Multi-Class Document Classification for Semantic Relations between Wikipedia Articles</p>	<p>Malte Ostendorff¹, Terry Ruas², Moritz Schubotz², Georg Rehm¹, Bela Gipp²</p> <p>1: German Research Center for Artificial Intelligence, Germany</p> <p>2: University of Wuppertal, Germany</p>
		132	<p>Classification and Clustering of arXiv Documents, Sections, and Abstracts Comparing Encodings of Natural and Mathematical Language</p>	<p>Philipp Scharpf¹, Moritz Schubotz^{2,3}, Abdou Youssef⁴, Felix Hamborg¹, Norman Meuschke², Bela Gipp²</p> <p>1: University of Konstanz, Germany</p> <p>2: University of Wuppertal, Germany</p> <p>3: FIZ Karlsruhe, Germany</p> <p>4: George Washington University, United States</p>
		185	<p>Hierarchical Document Classification as a Sequence Generation Task</p>	<p>Julian Risch¹, Samuele Garda¹, Ralf Krestel¹</p> <p>1: Hasso-Plattner-Institute, University of Potsdam, Germany</p>
<p>EU-L-3: Digital Libraries - 3</p> <p>Chair: Kun Huang (Beijing Normal University, China)</p>	<p>Room 1</p> <p>Day 4</p> <p>August 4 Beijing Time</p> <p>15:30-17:00 (UTC+8)</p> <p>03:30-05:00 (UTC-4)</p> <p>08:30-10:00 (UTC+1)</p>	042	<p>Large-Scale Evaluation of Keyphrase Extraction Models</p>	<p>Ygor Gallina¹, Florian Boudin¹, Béatrice Daille¹</p> <p>1: Université de Nantes, France</p>
		097	<p>Visualising Large Document Collections by Jointly Modeling Text and Network Structure 🏆</p> <p>The Best Student Paper Honorable Mention</p>	<p>Tim Repke¹, Ralf Krestel¹</p> <p>1: University of Potsdam, Germany</p>
		215	<p>Digital Library Adaptation for Traditional Music and Content-Based Research: Polish Sound Archives and dLibra</p>	<p>Madgalena Chudy¹, Ewa Łukasik², Tomasz Parkota³, Jacek Jackowski¹, Ewa Kuśmierek³ and Ewa Dahlig-Turek¹</p> <p>1: Institute of Art of the Polish Academy of Sciences, Poland</p> <p>2: Institute of Computing Science Poznan University of Technology, Poland</p> <p>3: Poznan Supercomputing and Networking Center, Poland</p>

<p>EU-L-4: Neural Semantic Representation</p> <p>Chair: Ralf Krestel (University of Potsdam, Germany)</p>	<p>Room 1 Day 4 August 4 Beijing Time 17:30-19:00 (UTC+8) 05:30-07:00 (UTC-4) 10:30-12:00 (UTC+1)</p>	082	<p>Explainable Word-Embeddings for Medical Digital Libraries –A Context-Aware Approach</p>	<p>Janus Wawrzinek¹, Said Ahmad Ratib Hussaini², Oliver Wiehr³, Jose Maria Gonzalez Pinto¹, Wolf-Tilo Balke¹</p> <p>1: Institute for Information Systems, TU-Braunschweig, Germany 2: Technische Universität Braunschweig, Germany 3: University of Houston, United States</p>
		085	<p>Mining Semantic Subspaces to Express Discipline-Specific Similarities</p>	<p>Janus Wawrzinek¹, Jose Maria Gonzalez Pinto¹, Wolf-Tilo Balke¹</p> <p>1: Institute for Information Systems, TU-Braunschweig, Germany</p>
		157	<p>A Neural-based Architecture for Small Datasets Classification</p>	<p>Andi Rexha¹, Mauro Dragoni², Roman Kern¹</p> <p>1: Know-Center, Austria 2: Fondazione Bruno Kessler - FBK-IRST, Italy</p>
<p>NA-L-1: Web Archive - 1</p> <p>Chair: Weijia Xu (The Texas Advanced Computing Center, United States)</p>	<p>Room 1 Day 3 August 3 Beijing Time 02:30-04:00 (UTC+8) 14:30-16:00 (UTC-4) 19:30-21:00 (UTC+1)</p>	028	<p>The Archives Unleashed Project: Technology, Process, and Community to Improve Scholarly Access to Web Archives</p>	<p>Nick Ruest¹, Jimmy Lin², Ian Milligan², Samantha Fritz²</p> <p>1: York University, Canada 2: University of Waterloo, Canada</p>
		200	<p>Identifying Documents In-Scope of a Collection from Web Archives 🏆 The Best Student Paper Award</p>	<p>Krutarth Patel¹, Cornelia Caragea², Mark Phillips³, Nathaniel Fox³</p> <p>1: Kansas State University, United States 2: University of Illinois at Chicago, United States 3: University of North Texas, United States</p>
		210	<p>The Case For Alternative Web Archival Formats To Expedite The Data-To-Insight Cycle</p>	<p>Xinyue Wang¹, Zhiwu Xie¹</p> <p>1: Virginia Tech, United States</p>

NA-L-2: Scholarly Data Chair: Jian Wu (Old Dominion University, United States)	Room 1 Day 4 August 4 Beijing Time 00:30-02:00 (UTC+8) 12:30-14:00 (UTC-4) 17:30-19:00 (UTC+1)	029	Towards Knowledge Maintenance in Scientific Digital Libraries with the Keystone Framework	Yuanxi Fu ¹ , Jodi Schneider ¹ 1: University of Illinois Urbana Champaign
		179	Seeking Justification: How Expert Reviewers Validate Empirical Claims with Data Annotations	Nicholas Weber ¹ , Sebastian Karcher ² 1: University of Washington, United States 2: Qualitative Data Repository / Syracuse University, United States
		190	Modeling Data Curation to Scientific Inquiry: A Case Study for Multimodal Data Integration	Maria Esteva ¹ , Weijia Xu ¹ , Nevan Simone ¹ , Amit Gupta ¹ , Moriba Jah ¹ 1: The University of Texas at Austin, United States

Short Paper

Session & Topic	Location & Time	ID	Title	Author
AP-S-1: Digital Libraries - 2 Chair: Lu An (Wuhan University, China)	Room 1 Day 3 August 3 Beijing Time 10:30-12:00 (UTC+8) 22:30-24:00 (UTC-4) 03:30-05:00 (UTC+1)	124	Information Extraction in Digital Libraries: First Steps Towards Portability of LBD Workflow	Menasha Thilakaratne ¹ , Katrina Falkner ¹ , Thushari Atapattu ¹ 1: The University of Adelaide, Australia
		151	Finding a Safe Port: Cyber-Security Analysis for Open Source Digital Library Software	Alex Tudu ¹ , David Bainbridge ¹ , William Rogers ¹ 1: University of Waikato, New Zealand
		211	Keyword Recommendation Methods for Earth Science Data Considering Hierarchical Structure of Vocabularies	Toshiyuki Shimizu ¹ , Joji Kido ¹ , Masatoshi Yoshikawa ¹ 1: Kyoto University, Japan
		218	A Multimodal Music Recommendation System with Listeners' Personality and Physiological Signals	Ruilun Liu ¹ , Xiao Hu ¹ 1: The University of Hong Kong, Hong Kong, China

AP-S-2: Digital Humanities Chair: Xiaoguang Wang (Wuhan University, China)	Room 1 Day 3 August 3 Beijing Time 15:30-17:00 (UTC+8) 03:30-05:00 (UTC-4) 08:30-10:00 (UTC+1)	095	Strike a Pose: Gender and the Public and Private Performance of Magazine Reading	Dana Mckay ¹ , Michael Twidale ² , George Buchanan ¹ 1: The University of Melbourne, Australia 2: University of Illinois at Urbana-Champaign, United States
		110	Evaluation of Low-end Virtual Reality Content of Cultural Heritage: A Preliminary Study with Eye Movement	Jeremy Tzi-Dong Ng ¹ , Weichen Liu ² , Xiao Hu ¹ , Tzyy-Ping Jung ² 1: The University of Hong Kong, Hong Kong, China 2: The University of California, San Diego, United States
		125	Garbage In, Garbage Out? An Empirical Look at Information Richness of LBD Input Types	Menasha Thilakaratne ¹ , Katrina Falkner ¹ , Thushari Atapattu ¹ 1: The University of Adelaide, Australia
		170	How to Organize Digital Tools to Help Scholars in Digital Humanities Research?	Shuran Liu ¹ , Jun Wang ¹ 1: Peking University, China
AP-S-3: Search and Recommendation Chair: Kazunari Sugiyama (Kyoto University, Japan)	Room 1 Day 4 August 4 Beijing Time 10:30-12:00 (UTC+8) 22:30-24:00 (UTC-4) 03:30-05:00 (UTC+1)	093	A Grounded Theory Approach for Modelling the Knowledge Construction Process in Exploratory Search	Ping Liu ¹ , Feiwen Li ¹ , Zhiwei Yang ¹ 1: Wuhan University, China
		111	Personalized Book Recommendation to Young Readers: Two Online Prototypes and a Preliminary User Evaluation	Xiao Hu ¹ , Jeremy T. D. Ng ¹ , Chengrui Yang ¹ , Samuel K. W. Chu ¹ 1: The University of Hong Kong, Hong Kong, China
		144	Interacting with Mobile Music Applications: Investigation of Influencing Factors of Music Information Encountering	Xiang Xue ¹ , Shijie Song ² , Yuxiang Zhao ¹ 1: Nanjing University of Science and Technology, China 2: Nanjing University, China
		167	A Comparative Study of the Relationship between Subjective Difficulty, Objective Difficulty of Search Task and Search Behaviors	Kun Huang ¹ , Jiaqi Chen ¹ , Chang Liu ² , Lulu Zhang ³ 1: Beijing Normal University, China 2: Peking University, China 3: Library of Jiangnan University, China

<p>AP-S-4: Network and Learning</p> <p>Chair: Liang Hong (Wuhan University, China)</p>	<p>Room 1 Day 4 August 4 Beijing Time 13:30-15:00 (UTC+8) 1:30-3:00 (UTC-4) 06:30-08:00 (UTC+1)</p>	020	Spatial Research Leadership Flows and Spatial Research Leadership Rank: A Case Study of Pharmaceutical Field	Chaocheng He ¹ , Kaili Wang ¹ , Jiang Wu ¹ 1: Wuhan University, China
		036	Segmenting Scientific Abstracts into Discourse Categories: A Deep Learning-Based Approach for Sparse Labeled Data	Soumya Banerjee ¹ , Debarshi Kumar Sanyal ¹ , Samiran Chattopadhyay ² , Plaban Kumar Bhowmick ¹ , ParthaPratim Das ¹ 1: National Digital Library of India, IIT Kharagpur, India 2: Jadavpur University, India
		131	ConvCN: A CNN-Based Citation Network Embedding Algorithm Towards Citation Recommendation	Chanathip Pornprasit ¹ , Xin Liu ² , Natthawut Kertkeidkachorn ² , Kyoung-Sook Kim ² , Thanapon Noraset ¹ , Suppawong Tuarob ¹ 1: Mahidol University, Thailand 2: AIRC, AIST, Japan
		162	Relation Aware Attention Model for Uncertainty Detection in Text	Manjira Sinha ¹ , Nilesh garwal ¹ , Tirthankar Dasgupta ² 1: Indian institute of technology Kharagpur, India 2: Tata Consultancy Services, India
<p>EU-S-1: Natural Language Processing</p> <p>Chair: Ying Huang (Wuhan University, China)</p>	<p>Room 1 Day 3 August 3 Beijing Time 00:30-02:00 (UTC+8) 12:30-14:00 (UTC-4) 17:30-19:00 (UTC+1)</p>	030	Linking Named Entities Across Languages Using Multilingual Word Embeddings	ElvysLinhaires Pontes ¹ , Jose G. Moreno ² , Antoine Doucet ¹ 1: University of La Rochelle, France 2: University of Toulouse, France
		112	Neural Machine Translation with BERT for Post-OCR Error Detection and Correction	Hai Thi Tuyet Nguyen ¹ , Adam Jatowt ² , Nhu Van Nguyen ¹ , Mickaël Coustaty ¹ , Antoine Doucet ¹ 1: L3i, University of La Rochelle, France 2: Kyoto University, Japan
		181	An Authoritative Approach to Citation Classification	David Pride ¹ , Petr Knoth ¹ 1: KMi, The Open University, United Kingdom
		192	A First Step Towards Content Protecting Plagiarism Detection	Cornelius Ihle ^{1,2} , Moritz Schubotz ³ , Norman Meuschke ² , Bela Gipp ² 1: Daimler AG, Germany 2: University of Wuppertal, Germany 3: FIZ Karlsruhe, Germany

<p>EU-S-2: Domain Specific Applications</p> <p>Chair: Jingzhu Wei (Sun Yat- sen University, China)</p>	<p>Room 1 Day 3 August 3 Beijing Time 17:30-19:00 (UTC+8) 05:30-07:00 (UTC-4) 10:30-12:00 (UTC+1)</p>	077	Supporting the Exploration of Semantic Features in Academic Literature Using Graph-based Visualizations	<p>Corinna Breiting¹, Birkan Kolcu², Monique Meuschke³, Norman Meuschke³, Bela Gipp³</p> <p>1: University of Konstanz, Germany 2: University of Arizona, United States 3: University of Wuppertal, Germany</p>
		173	Towards an Open Platform for Legal Information	<p>Malte Ostendorff¹, Till Blume², Saskia F. Ostendorff³</p> <p>1: German Research Center for Artificial Intelligence, Germany 2: Kiel University, Germany 3: Humboldt University Berlin, Germany</p>
		184	Enabling News Consumers to View and Understand Biased News Coverage: A Study on the Perception and Visualization of Media Bias	<p>Timo Spinde^{1,2}, Felix Hamborg², Angelica Becerra², Karsten Donnay², Bela Gipp¹</p> <p>1: University of Wuppertal, Germany 2: University Konstanz, Germany</p>
		113	Open Access 2007-2017: Country and University Level Perspective	<p>Bikash Gyawali¹, Nancy Pontika¹, Petr Knoth¹</p> <p>1: The Open University, United Kingdom</p>

<p>NA-S-1: Web Archive - 2</p> <p>Chair: Zhiwu Xie (Virginia Tech, United States)</p>	<p>Room 1 Day 4 August 4 Beijing Time 02:30-04:00 (UTC+8) 14:30-16:00 (UTC-4) 20:00-21:00 (UTC+1)</p>	099	<p>A Comparative Study of Sequence Tagging Methods for Domain Knowledge Entity Recognition in Biomedical Papers</p>	<p>Jian Wu¹, Md Reshad Ul Hoque¹, Gunnar W. Reiske¹, Michele C. Weigle¹, Brenda T. Bradshaw¹, Holly D. Gaff¹, Jiang Li¹, Chiman Kwan²</p> <p>1: Old Dominion University, United States 2: Applied Research LLC, United States</p>
		136	<p>Creating a Bespoke Virtual Reality Personal Library Space for Persons with Severe Visual Disabilities</p>	<p>Kurtis Philip Aidan Jeffrey Weir¹, Fernando Loizides², Vinita Nahar¹, Amar Aggoun¹, George Buchanan³</p> <p>1: University of Wolverhampton, United Kingdom 2: Cardiff University, United Kingdom 3: The University of Melbourne, Australia</p>
		182	<p>On the Ambiguity and Relevance of Place Names in Scientific Text</p>	<p>Xiaoliang Jiang¹, Vette Torvik¹</p> <p>1: University of Illinois at Urbana Champaign, United States</p>
		204	<p>Improving Digital Libraries' Provision of Digital Humanities Datasets: A Case Study of the HTRC Literature Dataset</p>	<p>Yuerong Hu¹, Ming Jiang¹, Ted Underwood¹, J. Stephen Downie¹</p> <p>1: University of Illinois at Urbana-Champaign, United States</p>

Posters and Demos Session

Day 2 (August 2 Beijing Time)

Day 2 (August 2 Beijing Time)			
Poster Hall 1	21:00-23:00 (UTC+8)	09:00-11:00 (UTC-4)	14:00-16:00 (UTC+1)
ID	Title	Author	
ps236	Tactics Applied by Blind and Sighted Users: Initial Exploration of a Digital Library	Iris Xie ¹ , Rakesh Babu ² , Tae Hee Lee ¹ , Shengang Wang ¹ and Hyun Seung Lee ¹ 1: University of Wisconsin Milwaukee, United States 2: Envision, Inc, United States	
ps245	Mathematical Formulae in Wikimedia Projects 2020a	Moritz Schubotz ¹ , André Greiner-Petter ² , Norman Meuschke ² , Olaf Teschke ¹ and Bela Gipp ² 1: FIZ Karlsruhe - Leibniz-Institute for Information Infrastructure, Germany 2: University of Wuppertal, Germany	
ps320	Cross-Language Source Code Plagiarism Detection Using Explicit Semantic Analysis and Scored Greedy String Tiling	Tomáš Foltýnek ¹ , Richard Všianský ¹ , Norman Meuschke ² , Dita Dlabolová ¹ and Bela Gipp ² 1: Mendel University in Brno, Czechia 2: University of Wuppertal, Germany	
ps252	Newsalyze: Enabling News Consumers to Understand Media Bias	Felix Hamborg ¹ , Anastasia Zhukova ² , Karsten Donnay ³ and Bela Gipp ² 1: University of Konstanz, Germany 2: University of Wuppertal, Germany 3: University of Zurich, Germany	
ps253	Interpretable and Comparative Textual Dataset Exploration Using Near-Identity Mention Relations	Anastasia Zhukova ¹ , Felix Hamborg ² and Bela Gipp ¹ 1: University of Wuppertal, Germany 2: University of Konstanz, Germany	
ps260	Interpretable Topic Modeling Using Near-Identity Cross-Document Coreference Resolution	Anastasia Zhukova ¹ , Felix Hamborg ² and Bela Gipp ¹ 1: University of Wuppertal, Germany 2: University of Konstanz, Germany	
ps266	The POLUSA Dataset: 0.9M Political News Articles Balanced by Time and Outlet Popularity	Lukas Gebhard ¹ and Felix Hamborg ² 1: University of Freiburg, Germany 2: University of Konstanz, Germany	
ps297	An Integrated Approach to Detect Media Bias in German News Articles	Timo Spinde ^{1,2} , Felix Hamborg ¹ and Bela Gipp ² 1: University of Konstanz, Germany 2: University of Wuppertal, Germany	

ps246	Measurement of Mobile Library Users' Emotional Experience: A Research Based on the PAD Model	Yang Zhao ¹ , Wenhong Cao ¹ and Bin Yang ¹ 1: Wuhan University, China
ps247	Implicit Products in the Decentralized eCommerce Ecosystems	Guoxiu He ¹ , Yunhan Yang ¹ , Zhuoren Jiang ² , Yangyang Kang ³ , Xiaozhong Liu ⁴ and Wei Lu ¹ 1: Wuhan University, China 2: Zhejiang University, China 3: Alibaba Group, China 4: Indiana University Bloomington, United States
ps263	Analyzing International Relations from British Parliamentary Debates	Junling Wang ¹ , Yuehan Zhang ¹ , Jian Huang ¹ , Jiayu Shen ¹ , Yiyang Wang ¹ , Jiamin Wang ¹ , Jiming Hu ¹ and Wei Lu ¹ 1: Wuhan University, China
ps280	Can Scientific Publication's Network Structural Features Predict its Citation?	Zhuoran Luo ¹ , Jiagen He ² , Jiajia Qian ¹ , Yuqi Wang ¹ , Junying Chen ¹ and Wei Lu ¹ 1: Wuhan University, China 2: Drexel University, United States
ps271	Opinion Extraction of Government Microblog Comments via BiLSTM-CRF Model	Jiming Hu ¹ and Xiang Zheng ¹ 1: Wuhan University, China

Day 2 (August 2 Beijing Time)

Poster Hall 2	21:00-23:00 (UTC+8)	09:00-11:00 (UTC-4)	14:00-16:00 (UTC+1)
ID	Title	Author	
ps248	Research on the Development of Library and Information Science in the Era of Big Data	Longwen Liao ¹ , Qi Li ¹ and Junyan Chen ¹ 1: Northwest Institute of Nuclear Technology, China	
ps257	Temporal Summarization of Scholarly Paper Collections by Semantic Change Estimation: Case Study of COVID-19 Dataset	Muhammad Syafiq Mohd Pozi ¹ , Adam Jatowt ² and Yukiko Kawai ³ 1: Universiti Utara Malaysia, Malaysia 2: Kyoto University, Japan 3: Kyoto Sangyo University, Japan	
ps265	Evolving Taxonomy Based on Graph Neural Networks	Xiaoli Chen ¹ 1: National Science Library, Chinese Academy of Sciences, China	
ps267	Author Name Disambiguation in PubMed using Ensemble-Based Classification Algorithms	Kaushal Jhavar ¹ , Debarshi Kumar Sanyal ² , Samiran Chattopadhyay ¹ , Plaban Kumar Bhowmick ² and ParthaPratim Das ² 1: Jadavpur University, India 2: Indian Institute of Technology Kharagpur, India	

ps322	Analysis of the Academic Genealogy of Education	Kanishka Halder ¹ , Aniruddha Chattopadhyay ¹ , Debarshi Kumar Sanyal ¹ , Plaban Kumar Bhowmick ¹ and ParthaPratim Das ¹ 1: Indian Institute of Technology Kharagpur, India
ps274	Identifying the Development Process of the Electronic Health Records Research from the Perspective of Information Resource Management	Zhenni Ni ¹ and Yuxing Qian ¹ 1: Wuhan University, China
ps275	The Status, Hot Topics in the Field of Electronic Health Records: A Literature Review Based on Idr2vec	Zhenni Ni ¹ and Yuxing Qian ¹ 1: Wuhan University, China
ps276	Comparison of Linguistic Characteristics of Different Disciplines' Questions on Academic Social Q&A Sites	Lei Li ¹ , Anrunze Li ¹ , Xue Song ¹ , Xinran Li ¹ and Kun Huang ¹ 1: Beijing Normal University, China
ps309	Investigating Factors for Assessing the Quality of Academic User-Generated Content on Social Media	Lei Li ¹ , Linlin Zhang ¹ , Ao Wang ¹ and Kun Huang ¹ 1: Beijing Normal University, China
ps278	Inter-subdiscipline Analysis Based on Mathematical Statements	Rui Wang ¹ , Xiaoling Zhou ¹ , Jian Wu ² and Ou Wu ¹ 1: Tianjin University, China 2: Old Dominion University, United States
ps316	A Heuristic Baseline Method for Metadata Extraction from Scanned Electronic Theses and Dissertations	Muntabir Choudhury ¹ , Jian Wu ¹ , William Ingram ² and Edward Fox ² 1: Old Dominion University, United States 2: Virginia Polytechnic Institute and State University, United States
ps317	Analyzing the Effect of Reading Patterns Using Eye Tracking Measures	Gavindya Jayawardena ¹ , Sampath Jayarathna ¹ and Jian Wu ¹ 1: Old Dominion University, United States
ps313	Streaming Analytics and Workflow Automation for DFS	Yasith Jayawardana ¹ and Sampath Jayarathna ¹ 1: Old Dominion University, United States

Day 2 (August 2 Beijing Time)

Poster Hall 3			21:00-23:00 (UTC+8)	09:00-11:00 (UTC-4)	14:00-16:00 (UTC+1)
ID	Title	Author			
ps269	The Theoretical Framework of Library Smart Service: Literature Review and Content Analysis	Jiaqi Liao ¹ 1: Sun Yat-sen University, China			
ps281	Search Topic Analysis of ACM Digital Library	Shaobo Liang ¹ and Yaqiong Leng ¹ 1: Wuhan University, China			
ps285	Content-Based Exploration of Archival Images Using Neural Networks	Tobi Adewoye ¹ , Xiao Han ¹ , Nick Ruest ² , Ian Milligan ¹ , Samantha Fritz ¹ and Jimmy Lin ¹ 1: University of Waterloo, Canada 2: York University Libraries, Canada			
ps286	Analyzing the GitHub Repositories of Research Papers	Michael Färber ¹ 1: Karlsruhe Institute of Technology, Germany			
ps294	Trends of Publications' Citations and Altmetrics Based on Open Access Types	Chifumi Nishioka ¹ and Michael Färber ² 1: Kyoto University, Japan 2: Karlsruhe Institute of Technology, Germany			
ps287	A Proposal of a Ground Surface Information Collection System Using a 9-axis Motion Sensor for Self-propelled Wheelchair Users' Exercise Promotion	Xu Han ¹ and Kumiko Kushiyama ¹ 1: Tokyo Metropolitan University, Japan			
ps288	"3W" Model in Research Data Services: A Case Study of National Research Data Centers in China	Zhifang Tu ¹ and Zhiping Yang ² 1: National Science Library, Chinese Academy of Sciences, China 2: Chengdu Library and Information Center, Chinese Academy of Sciences, China			
ps289	Effects of Task Complexity on Information Seeking Performance: A Meta-analysis Research	Lin Wang ¹ and Zejin Chen ¹ 1: Tianjin Normal University, China			
ps290	Comparing Topics of Scholars' Blog Posts in an Academic Social Networking Site and Publication Keywords	Hui Lin ¹ and Pengyi Zhang ¹ 1: Peking University, China			
ps292	Exploring the Influence of Publication Retraction on Citations in Psychology Science	Siluo Yang ¹ , Fan Qi ¹ and Heyu Diao ¹ 1: Wuhan University, China			

ps299	Challenges and Solutions of Identifying Similarities and Duplication in Digital Libraries	Maggie Ryan ¹ , Ruiwen Zhang ¹ , Matthew Durward ¹ , Krystyna Matusiak ¹ and Peter Organisciak ¹ 1: University of Denver, United States
ps307	An Integrated Method to Build Read-Aiding E-Books Based on Text Mining and Interactive Aesthetics	Weijun Li ¹ , Fukai Yang ¹ , Ruibing Jia ¹ , Renmin Li ¹ and Minghao Yin ¹ 1: Northeast Normal University, China
ps318	CSAA: An Online Annotating Platform for Classifying Sections of Academic Articles	Bowen Ma ¹ , Yuzhuo Wang ¹ and Chengzhi Zhang ¹ 1: Nanjing University of Science and Technology, China
ps319	PredCheck: Detecting Predatory Behaviour in Scholarly World	Manas Satish Bedmutha ¹ , Kaushal Modi ¹ , Kevin Patel ¹ , Naman Jain ¹ and Mayank Singh ¹ 1: Indian Institute of Technology Gandhinagar, India

Day 2 (August 2 Beijing Time)

Demo Hall	21:00-23:00 (UTC+8)	09:00-11:00 (UTC-4)	14:00-16:00 (UTC+1)
ID	Title	Author	
de244	SEAL: Scientific Keyphrase Extraction and Classification	Ayush Garg ¹ , Sammed Kagi ¹ and Mayank Singh ¹ 1: IIT Gandhinagar, India	
de282	An Open-Source Interface to the Canadian Surface Prediction Archive	Martin Gauch ¹ , James Bai ¹ , Juliane Mai ¹ and Jimmy Lin ¹ 1: University of Waterloo, Canada	
de296	Accessing and Investigating Large Collections of Historical Newspapers with the NewsEye Platform	Axel Jean-Caurant ¹ and Antoine Doucet ¹ 1: University of La Rochelle, L3i laboratory, France	
de300	A Face Recognition Module for Video Content Analysis in Malaysian Parliament Sessions	Wan En Ng ¹ , Muhammad Syafiq Mohd Pozi ¹ and Adam Jatowt ² 1: Universiti Utara Malaysia, Malaysia 2: Kyoto University, Japan	

de301	WiTPy: A Toolkit to Parse and Analyse Wikipedia Talk Pages	Amit Arjun Verma ¹ , S. R. S. Iyengar ¹ and Nitin Gandhi ¹ 1: Indian Institute of Technology Ropar, India
de303	Publindex: A Web Service to Automatically Evaluate Research Publications According to Customized Criteria	Eduardo Mena ¹ , Carlos Bobed ² and Álvaro Juan ¹ 1: University of Zaragoza, Spain 2: everis / NTT Data, Spain
de305	Gandhipedia: A One-stop AI-enabled Portal for Browsing Gandhian Literature, Life-events and his Social Network	Atharva Vyas ¹ , Heer Ambavi ² , Sayantan Adak ¹ , Shivam Patel ³ Pritam Kadasi ² , Mayank Singh ² , Animesh Mukherjee ¹ 1: IIT Kharagpur, India 2: IIT Gandhinagar, India 3: SRM Institute of Science and Technology, India
de315	Narrative Navigation: Visualising Story Order and Locations in Augmented Reality	Qimo Zhang ¹ , Annika Hinze ¹ and Nicholas Vanderschantz ¹ 1: University of Waikato, New Zealand

Practitioners

Day 2 (August 2 Beijing Time)			
Room 1	21:00-23:30 (UTC+8)	09:00-11:30 (UTC-4)	14:00-16:30 (UTC+1)
ID	Title	Author	
pr237	Artificial Reality + Education Guangzhou Children's Library Services Innovation	Cui Hong Wu ¹ , Li Zhen Tao ¹ , Wei Fu Deng ¹ 1: Guangzhou Children's Library, China	
pr254	Customization and Localization of DSpace-CRIS in China	Le Yang ^{1,2} , Zhongda Zhang ³ , Enci Chen ² 1: Wuhan University, China 2: Wenzhou-Kean University, United States 3: University of Oklahoma, USA	

pr272	Representing the Chinese Seal Stamping Catalogs Using IIIF & Serverless	Song Xue ¹ , Yanlin Li ¹ , Lei Ren ¹ 1: Fudan University Library, China
pr273	An Academic Resource Navigation System Based on Subject Aggregation and Usage Data – Taking "Resource Map" of Shanghai Jiao Tong University Library (SJTUL) as an Example	Youhua Chen ¹ , Di Huang ¹ 1: Shanghai Jiao Tong University Library, China
pr283	CHCI: A Crowdsourcing Human-computer Interaction Framework for Cultural Heritage Knowledge	Wenjun Hou ¹ , Huijie Han ¹ , Liang Hong ¹ 1: Wuhan university, China
pr302	Exploring the Transdisciplinary Nature of Digital Humanities	Menghui Yang ¹ , Man Wang ¹ ; Hanlin Wang ¹ , Guancan Yang ¹ , Hua Liu ² 1: Renmin University of China 2: China Software Industry Association
pr310	Utilizing Information Literacy Micro-lessons to Enhance STEM Student Research	Brianna Buljung ¹ , Emily Bongiovanni ¹ 1: Colorado School of Mines, United States
pr311	Multi-tenancy Cloud Access and Preservation: Virginia Tech Digital Libraries Platform	James Tuttle ¹ , Yinlin Chen ¹ , Tingting Jiang ¹ , Lee Hunter ¹ , Andrea Waldren ¹ , Soumik Ghosh ¹ , William Ingram ¹ 1: Virginia Polytechnic Institute and State University, United States
pr314	Contemporary Chinese Village Gazetteer Data Project — An Innovation and Attempt of Digital Humanities by University of Pittsburgh	Haihui Zhang ¹ , Yuanziyi Zhang ¹ , Qi Xin ¹ , Fanghui Xiao ¹ 1: University of Pittsburgh, United States
pr324	Online Data Literacy Services during the COVID-19 Epidemic Prevention - Taking Peking University Library as an Example	Aizhi Wu ¹ 1: Peking University

Workshop Session

Day 1 (August 1 Beijing Time)

Beijing Time (UTC+8)
August 1: 13:30-19:50

New York Time (UTC-4)
August 1: 01:30-07:50

London Time (UTC+1)
August 1: 06:30-12:50

Room / ID	Title	Author
Room 2 ws005	Extraction and Evaluation of Knowledge Entities from Scientific Documents: EEKE2020	Chengzhi Zhang ¹ , Philipp Mayr ² , Wei Lu ³ , Yi Zhang ⁴ 1: Nanjing University of Science and Technology, China 2: GESIS - Leibniz-Institute for the Social Sciences, Germany 3: Wuhan University, China 4: University of Technology Sydney, Australia

Day 1 (August 1 Beijing Time)

Beijing Time (UTC+8)
August 1: 19:30-00:15

New York Time (UTC-4)
August 1: 07:30-12:15

London Time (UTC+1)
August 1: 12:30-17:15

Room / ID	Title	Author
Zoom Meeting ws047	Curative Power of Medical Data	Anna Ripple ⁴ , Kevin B. Cohen ¹ , Daniela Gifu ² , Youzhu Li ³ , Jingbo ³ 1: University of Colorado School of Medicine, United States 2: Alexandru Ioan Cuza University of Iasi & Romanian Academy - Iasi Branch, Romania 3: Huazhong Agricultural University, China 4: National Library of Medicine, United States

Day 2 (August 2 Beijing Time)

Beijing Time (UTC+8)
August 2: 03:00-06:30

New York Time (UTC-4)
August 1: 15:00-18:30

London Time (UTC+1)
August 1: 20:00-23:30

Room / ID	Title	Author
Room 2 ws078	Conceptual Models in Digital Libraries, Archives, and Museums (SIG-CM) 2020	Katrina Fenlon ² , Peter Organisciak ³ , Andrea Thomer ⁴ , Nicholas Weber ¹ , Karen Wickett ⁵ 1: University of Washington, United States 2: University of Maryland, United States 3: Denver University, United States 4: University of Michigan, United States 5: University of Illinois, Urbana-Champaign, United States

Day 5 (August 5 Beijing Time)

Beijing Time (UTC+8)
August 5: 08:00-13:30

New York Time (UTC-4)
August 4: 20:00-01:30

London Time (UTC+1)
August 4: 01:00-06:30

Room / ID	Title	Author
Room 3 ws079	Organizing Big Data, Information, and Knowledge	Oksana L. Zavalina ¹ , Jeonghyun Kim ¹ , Xiaoguang Wang ² , Qikai Cheng ² 1: University of North Texas, United States 2: Wuhan University, China

Day 5 (August 5 Beijing Time) - Day 6 (August 6 Beijing Time)

Beijing Time (UTC+8)
August 5: 16:00-August 6:02:30

New York Time (UTC-4)
August 5: 04:00-14:30

London Time (UTC+1)
August 5: 09:00-19:30

Room / ID	Title	Author
Room 4 ws152	8th International Workshop on Mining Scientific Publications (WOSP 2020)	Petr Knoth ¹ , Christopher Stahl ² , Bikash Gyawali ¹ , David Pride ¹ , Drahomira Herrmannova ² , Suchetha N. Kunnath, Knowledge Media institute ¹ 1: The Open University, United Kingdom 2: Oak Ridge National Laboratory, United States

Day 5 (August 5 Beijing Time) - Day 6 (August 6 Beijing Time)

Beijing Time (UTC+8)
August 5: 23:00-August 6:06:30

New York Time (UTC-4)
August 5: 11:00-18:30

London Time (UTC+1)
August 5: 16:00-23:30

Room / ID	Title	Author
Room 1 ws176	Web Archiving and Digital Libraries	Zhiwu Xie ¹ , Martin Klein ² , Edward A Fox ¹ 1: Virginia Tech, United States 2: Los Alamos National Lab, United States

Day 5 (August 5 Beijing Time)

Beijing Time (UTC+8)
August 5: 08:00-17:30

New York Time (UTC-4)
August 4: 20:00- August 5:05:30

London Time (UTC+1)
August 5: 01:00-10:30

Room / ID	Title	Author
Room 1 and Room 2 ws227	Data-driven Smart Library Services in China	Lihong Zhou ¹ , Zhiqiang Wu ¹ , Gang Wu ¹ , Siluo Yang ¹ 1: Wuhan University, China

Tutorial Session

Day 4 (August 4 Beijing Time)

Beijing Time (UTC+8)
August 4: 08:30-12:00

New York Time (UTC-4)
August 3: 20:30-24:00

London Time (UTC+1)
August 3: 01:30-05:00

Location	Title	Presenters
Room2	Tutorial 1: The Science of Science	Dashun Wang, Northwestern University Lu Liu, Pennsylvania State University

Day 4 (August 4 Beijing Time)

Beijing Time (UTC+8)
August 4: 00:30-04:00

New York Time (UTC-4)
August 3: 12:30-16:00

London Time (UTC+1)
August 3: 17:30-21:00

Location	Title	Presenters
Room2	Tutorial 2: Preparing Code and Data for Computational Reproducibility	William Ingram, Virginia Polytechnic Institute and State University Edward Fox, Virginia Polytechnic Institute and State University

Day 4 (August 4 Beijing Time)

Beijing Time (UTC+8)
August 4: 20:00-23:30

New York Time (UTC-4)
August 4: 08:00-11:30

London Time (UTC+1)
August 4: 13:00-16:30

Location	Title	Presenters
Room2	Tutorial 3: Introduction to Digital Libraries	Edward Fox, Virginia Polytechnic Institute and State University William Ingram, Virginia Polytechnic Institute and State University

Day 5 (August 5 Beijing Time)

Beijing Time (UTC+8)
August 5: 00:30-04:00

New York Time (UTC-4)
August 4: 12:30-14:00

London Time (UTC+1)
August 4: 17:30-21:00

Location	Title	Presenters
Room 2	Tutorial 4: Writing about Data Science Research	Kevin Bretonnel Cohen, University of Colorado School of Medicine Daniela Gifu, University of Iasi & Romanian Academy - Iasi Branch

Day 1 (August 1 Beijing Time)

Beijing Time (UTC+8)
August 1: 08:30-12:00

New York Time (UTC-4)
July 31: 20:30-24:00

London Time (UTC+1)
August 4: 01:30-05:00

Location	Title	Presenters
Room 1	Tutorial 5: Building Digital Library Collections with Greenstone 3	David Bainbridge, University of Waikato

Panel Session

Day 3 (August 3 Beijing Time)

Beijing Time (UTC+8)
August 3: 20:00-21:30

New York Time (UTC-4)
August 3: 08:00-09:30

London Time (UTC+1)
August 3: 13:00-14:30

Location	Panel	Presenters
Room 1	Panel 1: Data and Information Literacy Education: Methods, Models, and Challenges	Ruhua Huang, School of Information Management, Wuhan University, Wuhan, Hubei, China Dan Wu, School of Information Management, Wuhan University, Wuhan, Hubei, China Jeonghyun (Annie) Kim, College of Information, University of North Texas, Denton, TX, USA Billy Tak Hoi Leung, University of Macao Library, University of Macao, Taipa, Macao, China

Day 4 (August 4 Beijing Time)

Beijing Time (UTC+8)
August 4: 20:00-21:30

New York Time (UTC-4)
August 4: 08:00-09:30

London Time (UTC+1)
August 3: 13:00-14:30

Location	Panel	Presenters
Room 3	Panel 2: Conceptual Models and Ontological Schemas for Semantically Sustainable Digital Libraries	Jian Qin, School of Information Studies, Syracuse University, Syracuse, NY, USA Maja Žumer, Department of Library and Information Science, University of Ljubljana, Ljubljana, Slovenia Xiaoguang Wang, School of Information Management, Wuhan University, Wuhan, Hubei, China Wei Fan, Department of Information Management Technology, Sichuan University, Chengdu, Sichuan, China



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Thanks for



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ACM/IEEE Joint Conference on Digital Libraries
Wuhan, Hubei, P. R. China August 1 - 5, 2020