ICADL 2016
18th International Conference on Asia-Pacific Digital Libraries

APIS
the Asia-Pacific Forum of Information Schools

December 5 - 9, 2016
Tsukuba, Ibaraki, Japan

THEME
“KNOWLEDGE, INFORMATION AND DATA IN OPEN ACCESS SOCIETY”

This International Forum will include the 18th International Conference on Asia-Pacific Digital Libraries (ICADL 2016) and the Asia-Pacific Forum of Information Schools (APIS) Open Access is widely recognized as a key concept for the progress of the networked information society – Open Science, Open Government, Open Data, etc. This forum is aimed to discuss novel technologies, sciences and services of Knowledge, Information and Data (KID) in the Open Access Society and build human networks for KID research, education and services.

http://icadl2016.org/
The University Hall is around 3.5km away from Tsukuba Center. The local bus system is the most convenient way to travel between the two areas. Please note that all events on December 5 (Mon) are held at Kasuga Area (Kasuga Campus), which is within walking distance from Tsukuba Center.

From Tsukuba Center bus terminal, use Stop 6 and take the 筑波大学循環（右回り）bus, or the University of Tsukuba Loop-line (Clockwise) bus. Note, Stop 6 also serves the 筑波大学循環（左回り）bus, or the University of Tsukuba Circulation (Counter-Clockwise) bus. Both will arrive at the University Hall, but the Loop-line (右回り) bus is the preferred route bus to take, so please take note when using the bus. Both are number C10.

You can take buses number 10, 11C, 20, 30, 30A bound for Tsukuba Univ.chuo at Stop 6. The name of the bus stop at the University Hall is Daigaku-Kaikan-mae. From University Hall to Tsukuba Center, take the Counter-Clockwise bus. There are other services that connect Tsukuba Center and University Hall.

**Transportation between Tsukuba Center and University Hall (Daigaku-Kaikan)**

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**Fare between Tsukuba Center and Daigaku-Kaikan-mae is 200 jpy.**

**Payment by IC card:** Touch an IC card reader at the entrance when you ride and touch an IC reader at the bus driver when you get off.

**Payment by cash:** get a paper strip (整理券) at the entrance when you get on the bus. Pay to your driver when you get off the bus.

Some buses are cash-only but all Circle buses have IC card readers.

**Internet Access Account is available at the registration desk. The account is valid until the end of the conference.**

Visitors from other eduroam participating institutions can have Internet access on campus by using their own eduroam ID and password. To use eduroam, set up the wireless LAN as follows:

- **SSID:** eduroam
- **Security:** WPA2 Enterprise
- **Encryption method:** AES (Do not validate server certificate.)
- **ID & Password:** user’s own eduroam ID & password

**Special Events**

**Welcome Reception**  
**ASIS&T AP Chapter Presents**  
**UH Restaurant**  
Dec 6 17:30-19:00

**Banquet**  
**Supported by Infocom**  
**Sansuitei**  
Dec 8 18:00-20:00

**Best Paper Award Announcement & Reception**

**Transportation to/from Sansuitei (山水亭) - Restaurant**

- Bus to Sansuitei from University Hall after sessions 4AB
- Bus to Tsukuba Center from Sansuitei after the banquet
- address: 254, Onozaki, Tsukuba, Ibaraki
- phone: 029-855-8181

**Hashtag:** #icadl2016apis

**Twitter**

Hashtag:  #icadl2016apis

**Internet Access**

Translation: Telephone: [029-855-8181]

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**Dec 5 MON**  
**Day 1: Graduate Students Workshop**

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| 13:00 - 14:00 | Colloquium: "Towards a cooperative ecosystem of data vocabularies"  
Invited Speaker: Dr. Thomas Baker (Dublin Core Metadata Initiative) |
| 14:00 - 14:30 | Break                                                                 |
| 14:30 - 17:00 | Graduate Students Workshop (Ideathon)  
Moderators: Shigeo Sugimoto (University of Tsukuba), Hao-ren Ke (National Taiwan Normal University), and information schools faculties |
| 17:30 - 19:30 | Gathering and introduction to the iSchool @ Tsukuba                    |

**Dec 6 TUE**  
**Day 2: APIS Main Program**

<table>
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| 09:30 - 09:40 | Opening  
Welcome: Chieko Mizoue (Provost, Graduate School of Library, Information and Media Studies, University of Tsukuba) |
| 09:40 - 10:30 | Invited Talks  
A Reflection on iSchool Success Factors  
Chair: Andreas Raufer (Vienna University of Technology)  
Collaboration across time and community: Building a technical infrastructure  
Speaker: David Fenske (Drexel University) |
| 10:30 - 11:00 | Break                                                                 |
| 11:00 - 12:40 | APIS Doctoral Consortium Session 1A: Information behavior  
Chair: Taro Tezuka (University of Tsukuba)  
Using Eye-Gaze Tracking Features to Re-Rank Search Results for Scientific Literature Survey  
Rika Okamoto Supervisor: Keizo Oyama  
Information Needs and Knowledge Acquisition in Context of Online Disease-Related Information Search  
He Fang Supervisor: Wang Yanfei, Christopher Khoo  
System-Based Information Behavior Model: A Research Proposal  
Wachira Yangyuen Supervisor: Siwanath Nuntapichai, Thimaporn Phetkaew |
| 12:40 - 13:30 | LUNCH                                                                 |
| 13:30 - 14:45 | APIS Doctoral Consortium Session 2A: Web and large document sets  
Chair: Patrick Lo (University of Tsukuba)  
A Study on LDA Topic Modeling  
Topic Word Interpretation Aided by Automatic Methods  
Wang Xiaodi Supervisor: Li Guangjian  
Development of Semantic Web for Thai Historical Events  
Ekachai Sae-Jueng Supervisor: Kultida Tuamsuk  
Concept, Process and Principle: Research on the Privacy Protection in Web Archiving  
Heng HOU Supervisor: Yongsheng CHEN |
| 14:45 - 15:30 | Break                                                                 |
| 15:30 - 17:00 | APIS Doctoral Consortium Session 2B: Communities and policy making  
Chair: Shaoyu Ye (University of Tsukuba)  
Analysis of Attributes to Identify Opinion Leadership in Communities using Decision Tree Technique  
Sudarat Sangkeame Supervisor: Piyawan Siripraseotsin, Marut Buranaranach  
A Study on the Approaches of Value Realization of Open Government Data  
Li Baiyang Supervisor: Huang Ruhua  
Research on Frontier Topic Detection Based on Probability Outbreak and Correlation Analysis  
Xu Min Supervisor: Li Guangjian |
| 17:30 - 19:00 | Welcome Reception (ASIS&T AP Chapter Presents)  
UH Restaurant |

APIS Doctoral Consortium Session 1B: Libraries and information environment  
Chair: Chris Khoo Soo Guan (Nanyang Technological University)  
Linked Data for Electronic Theses and Dissertations of the Thai Academic Digital Collection  
Yuttana Jareonnun Supervisor: Kultida Tuamsuk  
Re-intermediation in the Fashion Industry: A Qualitative Study on Brokers in the Dongdai-mun Fashion District  
Nuri Na Supervisor: Jong-Seok Lee  
Research on the Construction of Reading Promotion Evaluation System of Nonprofit Organization Libraries - Taking Xingren Library as an Example  
Su Rina Supervisor: Cheng Huanwen  
Rie Kominami Supervisor: Yuko Yoshida |

APIS Doctoral Consortium Session 1C: Digitalization and data acquisition  
Chair: Emi Ishita (Kyushu University)  
A Design Implication Proposal for Patient-Generated Data Integrated EMR Screen: The Case of Post-Surgery Rehabilitation  
Ji Eun Song Supervisor: Joongseek Lee  
Development of 3D Digital Collection of Thai Human Skulls  
Satapon Yourakun Supervisor: Kultida Tuamsuk, Panya Tuamsuk  
On Preservation Incentive Misalignment for Information Resource Digitalization  
Yang Min Supervisor: Huang XiaoLin |

APIS Doctoral Consortium Session 2B: Social aspects  
Chair: Juniko Terayama (University of Tsukuba)  
Analysis and Investigation of Information Science Education in China  
Fengjiao Guo Supervisor: Rongying Zhao  
Comparison Research on Open Government Data Websites in China - Base on the Investigation of Nine OGD Websites  
Liu Huiyan Supervisor: Cao Shujin  
Development of Semantic Knowledge-Based System for Thai Custom  
Somphong Wathanti Supervisor: Kultida Tuamsuk
### Dec 8 THU
#### Day 4: ICADL 2016 2nd Day

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<th>Session B</th>
<th>Room B</th>
<th>Session C</th>
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</table>
| 9:30 - 10:30 | **Keynote 2:** Can "Big Data Learning" Enhance Information Retrieval and Content Production?  
Speaker: Prof. Katsumi Tanaka (Kyoto University)  
Chair: Atsuuyuki Morishima (University of Tsukuba) | **Session 3A:** Open Access and Data  
Chair: Marcia Lei Zeng (Kent State University) | **Session 3B:** Social and Scholarly Media  
Chair: Doug Oard (University of Maryland) | Break | Break |
| 10:30 - 11:00 | **Practitioner**  
MathDL: An Open Access Database of Mathematics Questions  
CHU Kejong Lee, Joan Jee Foon Wee and Don Tze Wai Chai. | **WiP**  
Interleaving Clustering of Classes and Properties for Disambiguating Linked Data  
Takashi Kornamizu, Toshiyuki Amagasa and Hiroyuki Kitagawa. | **Full**  
Twitter User Classification with Posting Locations  
Naoto Takeda and Yohei Seki. | Break | WiP  
A Visualization of Relationships Among Papers Using Citation and Co-citation Information  
Yu Nakano, Toshiyuki Shimizu and Masatoshi Yoshikawa. |
| 11:00 - 12:00 | **WiP**  
A Framework for Linking RDF Datasets for Thailand Open Government Data based on Semantic Type Detection  
Pattama Krataithong, Marut Buranarach, Nuttanont Hongwarittorrn and Thepchai Supnithi. | **WiP**  
An Attempt to Promote Open Data for Digital Humanities in Japanese University Libraries  
Emi Ishtta, Tetsuya Nakatoh, Kohei Hatano and Michiaki Takayama. | **WiP**  
Preserving Container - Requirements and a Todo-List  
Robert Allen. | **Practitioner**  
Redesigning the Open-Access Institutional Repository: A User Experience Approach  
Edward Luca and Bhuvn Narayan. | WiP  
Direct Representation of History using Rich Semantics  
Robert Allen, Hanna Song and Boeun Lee. |
| 12:30 - 14:00 | Lunch | Lunch | Lunch | Lunch | Lunch |
| 14:00 - 15:00 | **Thematic Session 2:** What We Can Do in/for Natural Disasters  
Moderator: Atsuuyuki Morishima(University of Tsukuba)  
Panelists: Nizamuddin(Syiah Kuala University), Munemari Inoguchi (Shizuoka University), Sébastien Penmellen Boret (Tohoku University, University of Oxford) | **Session 4A:** Opinion and Sentiment  
Chair: Sally Jo Cunningham (University of Waikato) | **Session 4B:** Models and Guidelines  
Chair: Jian Qin (Syracuse University) | **WS**  
Graduate Student Workshop (Ideathon) (2/2) |  |
| 15:00 - 16:00 | **Full**  
Expanding Sentiment Lexicon with Multi-word Terms for Domain-Specific Sentiment Analysis  
Sang-Sang Tan and Jin-Cheon Na. | **Full**  
Temporal Analysis of Comparative Opinion Mining  
Kasturi Dewi Varathan, Anastasia Giachanou and Fabio Crestani. | **WiP**  
Guidelines for Digital Curation for the Princess Maha Chakri Sirindhorn Anthropology Centre’s (SAC) Digital Repository, Thailand: Preliminary Outcome  
Sittisak Rungcharoenruksiri. | | |
| 15:30 - 16:30 | **Full**  
Sharing Brings Happiness?: Effects of Sharing in Social Media Among Adult Users  
Chei Sian Lee and Winston Teo. | **WiP**  
Process-Oriented Descriptions for Scholarship and Publishing  
Robert Allen, Hanna Song and Boeun Lee. | **WiP**  
Direct Representation of History using Rich Semantics  
Robert Allen. |  |
| 18:00 - 20:00 | **Banquet (Supported by Infocom)**  
Sansuitei | **Banquet (Supported by Infocom)**  
Sansuitei |  |  |  |

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### Dec 9 FRI
#### Day 5: ICADL 2016 3rd Day

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<th>Room B</th>
<th>Session C</th>
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</tr>
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| 9:30 - 11:00 | **Session 5A:** Analyzing and Using Wikipedia  
Chair: Christopher Khoo (Nanyang Technological University) | **Session 2B:** Education and Digital Literacy  
Chair: Maja Zumer (Univerza v Ljubljan) | **WiP**  
A Lecture Slide Reconstruction System based on Expertise Extraction for e-Learning  
Yayuan Wang and Yukiko Kawai. | Break | Break |
| 11:00 - 11:30 | **WiP**  
DOI Links on Wikipedia: Analyses of English, Japanese, and Chinese Wikipedias  
Jiro Kikakaw, Masao Takaku and Fuyuki Yoshikane. | **WiP**  
Developing a Mobile Learning Application with LIS Discipline Ontology  
Chao-Chen Chen, Weichung Cheng and Yi-Ting Yang. | **Full**  
Heuristic evaluation of an information literacy game  
Yan Ru Guo and Dion Hoe-Lian Goh. | **WiP**  
Cross-Modal Search on Social Networking Systems by Exploring Wikipedia Concepts  
Wei Wang and Xiaoyan Yang. | **WiP**  
Suggesting specific segments as link targets in Wikipedia  
Renzhi Wang and Mizuho Iwaihara. |
| 11:30 - 12:30 | **Keynote 3:** Personalized Participatory Nation Through Data Analytics  
Speaker: Prof. Ee-peng Lim (Singapore Management University, Living Analytics Research Center)  
Chair: Chern Li Liew (Victoria University of Wellington)  
Student Workshop Report & Closing | **WiP**  
Heuristic Evaluation of Text Similarity Measures  
Chei Sian Lee and Sei-Ching Joanna Sin. | **WiP**  
Why do People View Photographs on Instagram?  
Chei Sian Lee and Sei-Ching Joanna Sin. | Break | **WiP**  
Development of the Imaginary Beings Ontology  
Wirapong Chansanam and Kulthida Tuamsuk. |  |
| 12:30 - 13:30 | Lunch | Lunch | Lunch | Lunch | Lunch |  |
| 13:30 - 17:00 | **ICADL Workshop 1:** Metadata Modeling and Knowledge Representation for Research Data | **ICADL Workshop 2:** Rich Semantics and Direct Representation for Digital Collections | | | |