Ying-Hsang LIU iD

Curriculum Vitae

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My research program focuses on the design and evaluation of information retrieval systems from user perspectives, with applications to the digital humanities, aerospace, health and biomedical domains. Industry partnerships have contributed to the design of AI-based conversational assistants for pilots, user evaluation and re-indexing of an educational database, and development of user-adaptive computational models for information visualization interfaces.

Education

2002–2009   **Ph.D. in Information Science**, *School of Communication and Information, Rutgers, the State University of New Jersey*, USA.
Dissertation Title: *The impact of MeSH (Medical Subject Headings) terms on information seeking effectiveness*
Committee: Nina Wacholder (Chair), Michael Lesk, Paul Kantor, Chung-chieh Shan

1997-2000   **M.A. in Linguistics**, *Graduate Institute of Linguistics, National Tsing Hua University*, Taiwan.
Thesis Title: *A study of Tungshih Hakka modality: With particular reference to grammaticalization of Oi and Voi*

1993-1997   **B.A. in Library Science**, *Department of Library Science, National Taiwan University*, Taiwan.

Work Experiences

2022–present   **Researcher**, *Uppsala University*, Uppsala, Sweden.
Work on EU-funded ERC CAPTURE (CApturing Paradata for documenTing data creation and Use for the REsearch of the future) project.

2023–present   **Visiting Scholar**, *Chemnitz University of Technology*, Chemnitz, Germany.
Work with Professorship of Predicative Analytics on cognitive modelling.

2021–present   **Owner**, *Wissen Insight*, Canberra, Australia.
IT consulting business.

2021–2022   **Senior Researcher**, *Oslo Metropolitan University*, Oslo, Norway.
Work on EU-funded PICCH (Polyvocal Interpretations of Contested Colonial Heritage) project.

2020–2021   **Associate Professor**, *University of Southern Denmark*, Kolding, Denmark.
Full-time research and teaching position.

2019–2020   **Research Fellow**, *The Australian National University*, Canberra ACT, Australia.
Work on research consultancy project with Airbus at Research School of Computer Science.

2012–2019   **Visiting Fellow**, *The Australian National University*, Canberra ACT, Australia.
Collaborative research project on user search interface design at Research School of Computer Science.

2009–2019 **Lecturer in Information Management**, *Charles Sturt University*, Wagga Wagga NSW, Australia.
Full-time research and teaching position, confirmed in March 2012.

2008–2009 **Teaching Assistant**, *Rutgers University*, New Brunswick, NJ, USA.
Worked as teaching assistant for graduate courses.

2007–2008 **Visiting Assistant Professor**, *Pratt Institute*, New York City, USA.
Taught face-to-face graduate courses in Online Database Searching and Services, Internet Services and Sources.

2005 **Part-Time Lecturer & Teaching Assistant**, *Rutgers University*, New Brunswick, NJ, USA.
Taught face-to-face graduate course in Organizing Information.

2004–2007 **Graduate Assistant**, *Rutgers University*, New Brunswick, NJ, USA.
Worked with Drs. Michael Lesk and Nina Wacholder on A Better Book Browser: How to Read a Million Books research project.

2003–2004 **Teaching Assistant**, *Rutgers University*, New Brunswick, NJ, USA.
Guest lecturing, class administration, course coordination using the eCollege and Turnitin systems, marking papers for various undergraduate and graduate courses.

2001–2002 **Knowledge Analyst**, *Knowledge Express Technology*, Hsinchu, Taiwan.
Conducted research on segmentation issues in Chinese natural language processing and user interface design.

Awards & Grants

External

2023 **Outstanding Reviews**, *The ACM Conference on Intelligent User Interfaces (IUI) Papers*.

2022 **Chief Investigator**, *User Study of Data Discovery, Health Studies Australian National Data Asset (HeSANDA) User Interview*, Research project with Australian Research Data Commons (ARDC), $24,640 (AUD).

2022 **Distinguished Member**, *Association for Information Science & Technology (ASIS&T)*.

2022 **IP&M (Information Processing & Management) 2021 Reviewer Award**.

2021–2022 **Chief Investigator**, *User Study of Data Discovery*, Research project with Australian Research Data Commons (ARDC), $27,720 (AUD).

2020 **Outstanding Reviews**, *The ACM Conference on Designing Interactive Systems (DIS) Papers*.

2019–2020 **Chief Investigator**, *Future Cognitive Agents to Support Aeronautical Actors*, Research consultancy with Airbus AI research team, funded by Airbus Central Research & Technology, $39,275 (EUR).

2017 **ELIAS (Evaluating Information Access Systems), ESF (European Science Foundation) Research Networking Programme**, *Award to support lecturing at 11th Russian Summer School in Information Retrieval (RuSSIR 2017)*.

2015–2020 **Chief Investigator**, *Computational Intelligence for Complex Structured Data*, Australian Research Council (ARC), Linkage Projects scheme, LP140100995, Co-Chief Investigators: Tamás (Tom) Gedeon, Andreas Nürnberger, Peter Baranyi and Richard Jones.
$290,900 (AUD)

2014–2015 **Co-Chief Investigator**, *National Learning and Teaching Resource Audit and Classification*, Office for Learning and Teaching, strategic commissioned project, SP13-3242, Co-Chief Investigators: Philip Hider, Barney Dalgarno and Sue Bennett.
$149,000 (AUD)

2014–2015 **Chief Investigator**, *Natural Search User Interfaces for Complex Biomedical Search*, Australian Library and Information Association (ALIA), Research Award Grant, Co-Chief Investigators: Paul Thomas, Tamás (Tom) Gedeon and Marijana Bacic.
$5,000 (AUD)

2012 **ASIS&T Lecturer Series Award**, *Co-Applicant Prof Lisa Given*, $4000 (USD).

2010 **Australian Research Council HCSNet (Network in Human Communication Science) WinterFest Early Career Researcher Scholarship**.

2010 **Amazon Web Services Teaching Grant**.

2008 **Honorable Mention Award for ALISE Doctoral Student Poster Competition**.

2006 **i-Conference Doctoral Student Colloquium Travel Award**.

2003 **Eugene Garfield ASIS&T Student Travel Award**.

2002 **ASIS&T Taipei Chapter Student Travel Award**.

2002 **Mary Elizabeth Wood Foundation Travel Fellowship, Library Association of R.O.C.**.

Internal

2013 **Research Fellowship Award**, *School of Information Studies*, Charles Sturt University.

2012 **Research Fellowship Award**, *School of Information Studies*, Charles Sturt University.

2011 **Staff Research Paper Award**, *School of Information Studies*, Charles Sturt University.

2010 **Research Priority Area Project**, *The Actual Importance of RDA (Resource Description & Access) Elements in Supporting Key User Tasks, Co-Applicant Dr. Philip Hider*, School of Information Studies, Charles Sturt University.

2008, 2009 **The SCILS Alumni Association Travel Support**, *School of Communication, Information and Library Studies (SCILS)*, Rutgers University.

2005–2007 **Graduate Research Assistantship**, *School of Communication, Information and Library Studies*, Rutgers University.

2003, 2005, 2008 **Conference Travel Support**, *The Graduate School*, Rutgers University.

2003–2004, 2008–2009 **Graduate Teaching Assistantship**, *School of Communication, Information and Library Studies*, Rutgers University.

Research Experiences

2022–present	**Researcher**, *CAPTURE (CApturing Paradata for documenTing data creation and Use for the REsearch of the future) project*, EU ERC funded research project.
2021–2022	**Senior Researcher**, *PICCH (Polyvocal Interpretations of Contested Colonial Heritage)*, EU-funded research project.
2021–2023	**Chief Investigator**, *User Study of Data Discovery*, Australian Research Data Commons (ARDC).
2019–2020	**Chief Investigator**, *Future Cognitive Agents to Support Aeronautical Actors*, Research consultancy with Airbus.
2016–2018	**Collaborator**, *Understanding the Role of Social Media in Disaster Management: A Systematic Investigation of Mixed-Mode Individual Information Behaviors*, collaborative research with Chih-Hui Lai, Tang Tang, Xuebin Wei and Bing She.
2015–2020	**Chief Investigator**, *Computational Intelligence for Complex Structured Data*, collaborative research with Tamás (Tom) Gedeon, Andreas Nürnberger, Peter Baranyi and Richard Jones.
2014–2015	**Co-Chief Investigator**, *National Learning and Teaching Resource Audit and Classification*, collaborative research with Philip Hider, Barney Dalgarno, Sue Bennett, Carole Gerts, Carla Daws, Lance Deveson, Barbara Spiller and Robert Parkes.
2012–2015	**Chief Investigator**, *Query Reformulation and Search Interface Design: An Eye-Tracking User Study*, collaborative research with Paul Thomas, Tamás (Tom) Gedeon and Marijana Bacic.
2010–2012	**Co-Chief Investigator**, *The Actual Importance of RDA (Resource Description & Access) Elements in Supporting Key User Tasks*, collaborative research with Philip Hider.
2004–2007	**Graduate Assistant**, *A Better Book Browser: How to Read a Million Books*, supervised by Profs Michael Lesk and Nina Wacholder.
2004	**Research Assistant**, *HARD (High Accuracy Retrieval from Documents) Evaluation Track within TREC (Text REtrieval Conference)*, supervised by Prof Nicholas Belkin.
2002–2003	**Research Assistant**, *Robust Face Recognition from a High Stakes Paradigm*, supervised by Prof Mark Frank.
2002	**Research Assistant**, *Research on Reading Electronic Documents on the Web*, supervised by Prof Shan-Ju L. Chang.
1999–2001	**Research Assistant**, *Elicitation Behavior during Information Retrieval Interaction*, supervised by Prof Mei-Mei Wu.
1999–2000	**Research Assistant**, *Exploring Aspects of Lexical Semantics in Taiwanese*, supervised by Prof Chinfa Lien.
1999	**Research Assistant**, *An Evaluation Test-bed for Chinese Information Retrieval*, supervised by Prof Mei-Mei Wu.
1999	**Research Assistant**, *Tone Sandhi of Liujia Yaoping Hakka Dialect*, supervised by Prof Hui-Chuan Hsu.

1996–1998 **Research Assistant**, *Research on Browsing Behavior in the Libraries*, Information Seeking and Use Behavior of Humanities Scholars, supervised by Prof Shan-Ju L. Chang.

Teaching Experiences

2021 **Co-Supervisor**, *Department of Design and Communication, University of Southern Denmark.*

- Sarah den Boer & Edgars Krastins, MSc, Self tracking information seeking with MyFitnessPal
- Petya Nikolaeva Dobreva, MSc, Ethical AI-based resume screening tool for job applications
- Diana-Andreea Sandu, MSc, The impact of motivation and digital literacy on participating local communities

2020–2021 **Face-to-Face Teaching**, *Department of Design and Communication*, University of Southern Denmark.

- Data Science and Big Data (Undergraduate)
- Data-Driven Design (Undergraduate)
- Introduction to Human Informatics (Master of Science in Data Science Program)
- System Development and Project Management (Undergraduate)

2019 **Co-Supervisor**, *Research School of Computer Science, The Australian National University & Otto-von-Guericke University, Magdeburg, Germany*, Moritz Spiller, MSc, Predicting graph comprehension for user-adaptive information visualization systems.

2018 **Co-Supervisor**, *Research School of Computer Science, The Australian National University*, Mazen Al Ismail, PhD, The impact of learners' characteristics on m-learning preferences, and how m-learning preferences form choices in different contexts.

2017 **Lecturer**, *The 11th Russian Summer School in Information Retrieval*, Design and implementation of user experiments in information retrieval.

2009–2019 **Online Teaching**, *School of Information Studies*, Charles Sturt University, Deliver courses at both undergraduate and graduate levels.

- Advanced Information Retrieval
- Information Retrieval Systems and Practice
- Information Architecture for the Web
- Web Usability
- Advanced Web Design and Publishing
- Knowledge Management Systems
- The Digital Environment
- Describing and Analysing Information Resources
- Introduction to Research
- Research in Practice
- Readings in Information Studies
- Research Methods in Information Studies

○ Research Projects in Information Studies

2005, **Face-to-Face Teaching**, *Rutgers University & Pratt Institute*, Taught graduate courses
2007–2008 in Organizing Information, Online Database Searching and Services, and Internet
Services and Sources.

2003–2004, **Teaching Assistant**, *Rutgers University*, Guest lecturing, class administration, course
2008–2009 coordination using the eCollege and Turnitin systems, marking papers in various MLIS
(Master of Library and Information Science) and ITI (Bachelor of Arts in Information
Technology and Informatics) courses.

Professional Activities

Committee Roles & Responsibilities

2021–present **Committee Member**, *The DCMI (Dublin Core Metadata Initiatives) Education
Committee.*

2019–present **Committee Member**, *The iSchool Digital Humanities Curriculum Committee
(iDHCC).*

2021–2022 **Committee Member**, *ASIS&T Research Engagement Committee.*

2019–2022 **Committee Member & Chair (2021–2022)**, *ASIS&T Research in Information Sci-
ence Award.*

2019–2020 **Committee Member**, *ASIS&T Clarivate Analytics Doctoral Dissertation Proposal
Scholarship.*

2019–2021 **Committee Member**, *ASIS&T Publications Committee.*

2021–2022 **Committee Member & Chair (2022)**, *ALISE/The Eugene Garfield Doctoral Disserta-
tion Competition.*

2019–2020 **Committee Member**, *ALISE Research Grant Competition.*

2018–2020 **Committee Member**, *ALISE/Norman Horrocks Leadership Award.*

2019 **Committee Member**, *The ACM SIGIR Conference on Human Information Interaction
and Retrieval (CHIIR) Best Paper Award.*

2018–2019 **Committee Member**, *ALISE Nominating Committee.*

2017 **Chair**, *ASIS&T ProQuest Doctoral Dissertation Award.*

2017 **Chair**, *ALISE/ProQuest Methodology Paper Competition.*

2016 **Committee Member**, *ASIS&T ProQuest Doctoral Dissertation Award.*

2016 **Committee Member**, *ALISE/ProQuest Methodology Paper Competition.*

2015–2018 **Committee Member**, *ALIA Research Advisory Committee.*

2014, **Committee Member**, *ASIS&T Education & Professional Advancement Committee.*
2016–2017

2014 **Chair**, *ASIS&T Thomson Reuters Doctoral Dissertation Proposal Scholarship.*

2014–2015 **Juror**, *John Wiley Best JASIS&T (Journal of the Association for Information Science
& Technology) Paper Award.*

2012–2014 **Committee Member & Chair (2014)**, *ALISE/Bohdan S. Wynar Research Paper
Award.*

2011–2015	**Committee Member**, *ASIS&T International Relations Committee.*
2009–2012	**Committee Member**, *ALISE Pratt-Severn Faculty Innovation Award.*
2004–2007	**Treasurer**, *The New Jersey Chapter of the ASIS&T (NJ/ASIS&T).*

Paper and Grant Reviewing

Editorships

2016–present	**Section Editor**, *Open Information Science.*
2022–present	**Editorial Advisory Board**, *Education for Information: Interdisciplinary Journal of Information Studies.*
2019–present	**Editorial Advisory Board**, *Journal of Data and Information Management.*
2016–present	**Editorial Advisory Board**, *Information Processing & Management.*
2016–2021	**Editorial Advisory Board**, *Journal of Library and Information Science.*
2015–present	**Editorial Advisory Board**, *Online Information Review.*

Grant Reviewing

2015–2016	**Assessor**, *Proposals for Linkage Projects, Australian Research Council (ARC).*
2015–2016	**Assessor**, *Proposals for Discovery Projects, Australian Research Council (ARC).*
2010	**Grants Proposal Reviewer**, *Grants Proposal for Research Grants Council, Hong Kong, China.*

Reviewer Duties

2023–present	**Distinguished Reviewer**, *ACM Transactions on Interactive Intelligent Systems.*
2007–present	**Paper Reviewer**, *Verified peer review summary is available at Web of Science Researcher ID: C-6092-2009.*

- Journal of the Association for Information Science & Technology (17)
- Information Processing & Management (15)
- Online Information Review (12)
- International Journal of Human-Computer Interaction (11)
- ACM Transactions on Interactive Intelligent Systems (6)
- Journal of Medical Internet Research (4)
- Information Retrieval Journal (4)
- Information Research (4)
- Journal of Information Science (3)
- Expert Systems with Applications (2)
- The Indexer: The International Journal of Indexing (2)
- International Journal of Machine Learning and Cybernetics (1)
- Journal on Multimodal User Interfaces (1)
- Government Information Quarterly (1)
- Library and Information Science Research (1)
- Journal on Computing and Cultural Heritage (1)
- Education for Information: An Interdisciplinary Journal of Information Studies (1)

Conference Organisation

2023 **Program Committee**, *CogSci 2023 - Cognitive Science Society.*

2022–2023 **Student Forum Chair**, *The Dublin Core Metadata Initiative (DCMI) Annual International Conference.*

2021–2023 **Senior Program Committee**, *IUI: The ACM Conference on Intelligent User Interfaces.*

2021–2022 **Program Committee**, *Hypertext: The ACM Conference on Hypertext and Social Media.*

2020–2021, 2023 **Program Committee**, *The ACM Conference on Designing Interactive Systems (DIS) Papers.*

2020, 2022 **Program Committee**, *International ISKO (International Society for Knowledge Organization) Conference.*

2019–2022 **Co-Organiser**, *NTCIR-15 Data Search: A shared task on ad-hoc retrieval for governmental statistical data.*

2019–2020 **Regular Program Committee**, *IUI: The ACM Conference on Intelligent User Interfaces.*

2019 **Program Committee**, *AIRS 2019: The 15th Asia Information Retrieval Societies Conference.*

2019–2021 **Program Committee**, *TPDL: International Conference on Theory and Practice of Digital Libraries.*

2019 **Program Committee**, *The Dublin Core Metadata Initiative (DCMI) Annual International Conference.*

2019 **Program Committee**, *UIST 2019: 32nd ACM User Interface Software and Technology Symposium.*

2018 **Program Committee**, *FEIS 2018: International Symposium on the Future of Education in Information Sciences.*

2018 **Program Committee**, *AROSIM 2018: Workshop on Altmetrics for Research Outputs Measurement and Scholarly Information Management.*

2017 **Workshop Organiser**, *The iConference Workshop for Vulnerable Communities in the Digital Age: Advancing Research and Exploring Collaborations.*

2016,2019 **Program Committee**, *CSCW: The 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing.*

2015–2022 **Program Committee**, *CHIIR: The ACM SIGIR Conference on Human Information Interaction and Retrieval.*

2015– 2016,2018 **Program Committee**, *IUI: The ACM Conference on Intelligent User Interfaces.*

2015 **Program Committee**, *IDC: The ACM Conference on Interaction Design and Children.*

2015 **Program Committee**, *The First NKOS (Networked Knowledge Organization Systems/Services/Structures) Workshop at ICADL (International Conference on Asian Digital Libraries).*

2006 **Student Volunteer**, *The Greater New York Area DB/IR Day.*

2002, 2004	**Student Volunteer**, *The ASIS&T Annual Meeting.*

Administration

School of Information Studies, Charles Sturt University

2012–2019	**Information Architecture Specialisation Coordinator**.
2010–2011	**Web Manager & Marketing Committee Member**.
2010–2011	**Research Seminar Coordinator**.
2009–2019	**Research and Management Committee Member**.

Books and Edited Monographs

[B2] Koraljka Golub and **Ying-Hsang Liu**, eds. Information and knowledge organization in digital humanities: Global perspectives. Routledge, 2021. DOI: 10.4324/9781003131816. Digital Research in the Arts and Humanities Series.

[B1] Chang Liu, **Ying-Hsang Liu**, Jingjing Liu, and Ralf Bierig. Search interface design and evaluation. *Foundations and Trends in Information Retrieval* 15.3-4 (2021), pp. 243–416. DOI: 10.1561/1500000073. Also published as journal article, 2020 JIF: 8.000, SCIE.

Journal Articles

[J28] Pia Borlund, Nils Pharo, and **Ying-Hsang Liu**. Scholars' searching for audio-visual information in archives. *VIEW: Journal of European Television History and Culture* (2023). In Press.

[J27] Koraljka Golub, Xu Tan, **Ying-Hsang Liu**, and Jukka Tyrkkö. Online subject searching of humanities PhD students at a Swedish university. *Journal of Documentation* (2023). In Press.

[J26] **Ying-Hsang Liu**, Alexandre Arnold, Gérard Dupont, Catherine Kobus, Francois Lancelot, Géraud Granger, Yves Rouillard, Alexandre Duchevet, Jean-Paul Imbert, and Nadine Matton. User evaluation of conversational agents for aerospace domain. *International Journal of Human–Computer Interaction* (2023). DOI: 10.1080/10447318.2023.2239544.

[J25] Isto Huvila, Heidi Enwald, Kristina Eriksson-Backa, **Ying-Hsang Liu**, and Noora Hirvonen. Information behavior and practices research informing information systems design. *Journal of the Association for Information Science and Technology* (2022). DOI: 10.1002/asi.24611.

[J24] John A. Walsh, Peter J. Cobb, Wayne de Fremery, Koraljka Golub, Humphrey Keah, Jeonghyun Kim, Joseph Kiplang'at, **Ying-Hsang Liu**, Simon Mahony, Sam G. Oh, Chris Alen Sula, Ted Underwood, and Xiaoguang Wang. Digital Humanities in the iSchool. *Journal of the Association for Information Science and Technology* 73.2 (2022), pp. 188–203. DOI: 10.1002/asi.24535.

[J23] Moritz Spiller, **Ying-Hsang Liu**, Md Zakir Hossain, Tom Gedeon, Julia Geissler, and Andreas Nürnberger. Predicting visual search task success from eye gaze data as a basis for user-adaptive

information visualization systems. *ACM Transactions on Interactive Intelligent Systems* 11.2 (2021), pp. 1–25. DOI: `10.1145/3446638`.

[J22] Mingfang Wu, **Ying-Hsang Liu**, Rowan Brownlee, and Xiuzhen (Jenny) Zhang. Evaluating utility and automatic classification of subject metadata from Research Data Australia. *Knowledge Organization* 48.3 (2021), pp. 219–230. DOI: `10.5771/0943-7444-2021-3-219`.

[J21] Chuanming Yu, Feng Wang, **Ying-Hsang Liu**, and Lu An. Research on knowledge graph alignment model based on deep learning. *Expert Systems with Applications* (2021), p. 115768. DOI: `10.1016/j.eswa.2021.115768`.

[J20] Peng Zhu, Ziwei Wang, Xiaotong Li, **Ying-Hsang Liu**, and Xingzhen Zhu. Understanding promotion framing effect on purchase intention of elderly mobile app consumers. *Electronic Commerce Research and Applications* 44 (2020), p. 101010. DOI: `https://doi.org/10.1016/j.elerap.2020.101010`.

[J19] Mazen Al-Ismail, Mohammad Yamin, **Ying-Hsang Liu**, and Tom Gedeon. Learner characteristics of m-learning preferences. *International Journal of Information Technology* 11.3 (2019), pp. 493–505. DOI: `10.1007/s41870-019-00279-w`.

[J18] Chang Liu, **Ying-Hsang Liu**, Tom Gedeon, Yu Zhao, Yiming Wei, and Fan Yang. The effects of perceived chronic pressure and time constraint on information search behaviors and experience. *Information Processing & Management* 56.5 (2019), pp. 1667–1679. DOI: `10.1016/j.ipm.2019.04.004`.

[J17] **Ying-Hsang Liu**. University metadata and retrieval: The death of the library catalog? Bulletin of the Association for Information Science & Technology. 2017. DOI: `10.1002/bul2.2017.1720430404`.

[J16] **Ying-Hsang Liu**, Paul Thomas, Marijana Bacic, Tom Gedeon, and Xindi Li. Natural search user interfaces for complex biomedical search: An eye tracking study. *Journal of the Australian Library and Information Association* 66.4 (2017), pp. 364–381. DOI: `10.1080/24750158.2017.1357915`.

[J15] **Ying-Hsang Liu** and Nina Wacholder. Evaluating the impact of MeSH (Medical Subject Headings) terms on different types of searchers. *Information Processing & Management* 53.4 (2017), pp. 851–870. DOI: `10.1016/j.ipm.2017.03.004`.

[J14] Philip Hider, Barney Dalgarno, Sue Bennett, **Ying-Hsang Liu**, Carole Gerts, Carla Daws, Barbara Spiller, Pru Mitchell, Robert Parkes, and Raylee Macaulay. Reindexing a research repository from the ground up: Adding and evaluating quality metadata. *Australian Academic & Research Libraries* 47.2 (2016), pp. 61–75. DOI: `10.1080/00048623.2016.1204589`.

[J13] Peter Wittek, **Ying-Hsang Liu**, Sándor Darányi, Tom Gedeon, and Ik Soo Lim. Risk and ambiguity in information seeking: Eye gaze patterns reveal contextual behavior in dealing with uncertainty. *Frontiers in Psychology* 7 (2016), p. 1790. DOI: `10.3389/fpsyg.2016.01790`. Corresponding Author.

[J12] Philip Hider, **Ying-Hsang Liu**, Carole Gerts, Carla Daws, Barney Dalgarno, Sue Bennett, Barbara Spiller, Robert Parkes, Pat Knight, Pru Mitchell, Raylee Macaulay, and Lauren Carlson. Developing a schema for describing the contents of the Office for Learning and Teaching's resource library. *Australian Academic & Research Libraries* 46.3 (2015), pp. 151–163. DOI: `10.1080/00048623.2015.1030846`.

[J11] Jia Tina Du, **Ying-Hsang Liu**, Qinghua Zhu, and Yongjian Chen. Modelling marketing professionals' information behaviour in the workplace: Towards a holistic understanding. *Information Research: An International Electronic Journal* 18.1 (2013).

[J10] Philip Hider and **Ying-Hsang Liu**. The use of RDA elements in support of FRBR user tasks. *Cataloging & Classification Quarterly* 51.8 (2013), pp. 857–872. DOI: `10.1080/01639374.2013.825827`.

[J9] Muh-Chyun Tang, **Ying-Hsang Liu**, and Wan-Ching Wu. A study of the influence of task familiarity on user behaviors and performance with a MeSH term suggestion interface for PubMed bibliographic search. *International Journal of Medical Informatics* 82.9 (2013), pp. 832–843. DOI: `10.1016/j.ijmedinf.2013.04.005`.

[J8] Kirsty Williamson, Asim Qayyum, Philip Hider, and **Ying-Hsang Liu**. Young adults and everyday-life information: The role of news media. *Library & Information Science Research* 34.4 (2012), pp. 258–264. DOI: `10.1016/j.lisr.2012.05.001`.

[J7] Mei-Mei Wu and **Ying-Hsang Liu**. On intermediaries' inquiring minds, elicitation styles, and user satisfaction. *Journal of the American Society for Information Science and Technology* 62.12 (2011), pp. 2396–2403. DOI: `10.1002/asi.21644`.

[J6] **Ying-Hsang Liu**. The impact of domain knowledge and search training on search effectiveness. *Journal of Library and Information Science Research* 5.1 (2010), pp. 51–74. In Chinese.

[J5] M. Asim Qayyum, Kirsty Williamson, **Ying-Hsang Liu**, and Philip Hider. Investigating the news seeking behavior of young adults. *Australian Academic & Research Libraries* 41.3 (2010), pp. 178–191. DOI: `10.1080/00048623.2010.10721462`.

[J4] Mei-Mei Wu, Hsing-Jung Chiang, and **Ying-Hsang Liu**. Intermediary's elicitation and patron's retrieval satisfaction. *Journal of Library and Information Studies* 1.3 (2003), pp. 1–25. In Chinese.

[J3] Mei-Mei Wu and **Ying-Hsang Liu**. Intermediary's information seeking, inquiring minds, and elicitation styles. *Journal of the American Society for Information Science* 54.12 (2003), pp. 1117–1133. DOI: `10.1002/asi.10323`.

[J2] Mei-Mei Wu, **Ying-Hsang Liu**, and Hsing-Jung Chiang. Inquiry on Intermediary elicitation styles: Quantitative and qualitative methods. *Bulletin of the Library Association of China* 71 (2003), pp. 93–108. In Chinese.

[J1] Mei-Mei Wu, **Ying-Hsang Liu**, and Hsing-Jung Chiang. Patron elicitation behavior in IR interaction. *Journal of Library and Information Science* 27.2 (2001), pp. 39–51. In Chinese.

Conference Papers

[C35] Pia Borlund, Nils Pharo, and **Ying-Hsang Liu**. Supporting users of archives for open dialogue in digital humanities. *Proceedings of the The IRFD Network on Digitization and the Future of Archives Final Conference: Digital Archives, Big Data and Memory*. 2022.

[C34] Makoto P. Kato, Hiroaki Ohshima, **Ying-Hsang Liu**, Hsin-Liang Chen, and Yu Nakano. Overview of the NTCIR-15 Data Search task. *NTCIR 15 Conference: Proceedings of the 15th NTCIR Conference on Evaluation of Information Access Technologies*. Tokyo, Japan, 2022.

[C33] **Ying-Hsang Liu**, Paul Thomas, Tom Gedeon, and Nicolay Rusnachenko. Search interfaces for biomedical searching: How do gaze, user perception, search behaviour and search performance relate? In: *CHIIR '22: Proceedings of the 2022 Conference on Human Information Interaction and Retrieval*. ACM, 2022, pp. 78–89. DOI: 10.1145/3498366.3505769.

[C32] Crystal Fulton, Isto Huvila, Olívia Manuela Marques Pestana, Anna Maria Tammaro, **Ying-Hsang Liu**, and Sümeyye Akça. Community resilience through diversity. *Proceedings of the Association for Information Science and Technology*. Vol. 58. 1. 2021, pp. 587–589. DOI: 10.1002/pra2.504.

[C31] Makoto P. Kato, Hiroaki Ohshima, **Ying-Hsang Liu**, and Hsin-Liang Chen. A test collection for ad-hoc dataset retrieval. *Proceedings of the 2021 ACM SIGIR Conference on Research and Development in Information Retrieval*. Association for Computing Machinery (ACM), 2021, pp. 2450–2456. DOI: 10.1145/3404835.3463261.

[C30] **Ying-Hsang Liu**, Hsin-Liang (Oliver) Chen, Makoto P. Kato, Mingfang Wu, and Kathleen Gregory. Data discovery and reuse in data service practices: A global perspective. *Proceedings of the Association for Information Science and Technology* 58.1 (2021), pp. 610–612. DOI: 10.1002/pra2.510.

[C29] Alexandre Arnold, Gérard Dupont, Catherine Kobus, François Lancelot, and **Ying-Hsang Liu**. Perceived usefulness of conversational agents predicts search performance in aerospace domain. *Proceedings of the 2nd Conference on Conversational User Interfaces*. CUI '20. Bilbao, Spain: ACM, 2020. DOI: 10.1145/3405755.3406172.

[C28] Makoto P. Kato, Hiroaki Ohshima, **Ying-Hsang Liu**, and Hsin-Liang Chen. Overview of the NTCIR-15 Data Search task. *NTCIR 15 Conference: Proceedings of the 15th NTCIR Conference on Evaluation of Information Access Technologies*. Tokyo, Japan, 2020.

[C27] **Ying-Hsang Liu**, Alexandre Arnold, Gérard Dupont, Catherine Kobus, and François Lancelot. Evaluation of conversational agents for aerospace domain. *Proceedings of the Joint Conference of the Information Retrieval Communities in Europe (CIRCLE 2020)*. 2020.

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