

# Wei Jeng

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## Professional Experience

Associate Professor, Dept. of Library and Information Science, National Taiwan University	2022-
Assistant Professor, Dept. of Library and Information Science, National Taiwan University	2017-2022
Director, Center of Talent Empowerment, National Institute for Cyber Security (courtesy appointment)	2023-
Adjunct Associate Fellow, Planning and Promotion Division, National Center for High-performance Computing (courtesy appointment)	2022-

## Education

University of Pittsburgh, Pittsburgh, USA <b>Ph.D. in Library and Information Science</b>	2017
<b>Master of Library and Information Science (M.L.I.S.)</b> Dissertation title: "Qualitative data sharing practices in social sciences" University of Pittsburgh, Pittsburgh, USA	2011
National Taiwan University, Taipei, Taiwan <b>B.A. in Library and Information Science</b>	2009

## Publications

### Book

- B01. He, D. & **Jeng, W.** (2016). Scholarly Collaboration on Social Web. Synthesis Lectures on Information Concepts, Retrieval, and Services. Morgan & Claypool Publishers.

### Journal Articles (referred)

- J22. Shih, Y.-R. & **Jeng, W.** (2023). The Mobility of Trust, Contract, and Value: The Practice of Open Research Data and Repositories for Criminology in Taiwan. *Journal of Library and Information Studies*, 21 (1).
- J21. Fan, W.-M., **Jeng, W.**, Tang, M.-C. (2023). Using data citation to define a knowledge domain: A case study of the Add-Health dataset. *Journal of the Association for Information Science and Technology*.
- J20. **Jeng, W.**, Huang, Y.-M., Chan, H.-Y., & Wang, C.C-. (2022). Strengthening scientific credibility against misinformation and disinformation: Where we stand now?. *Journal of Controlled Release*.

- J19. **Jeng, W.**, & He, D. (2022). Surveying research data-sharing practices in US social sciences: a knowledge infrastructure-inspired conceptual framework. *Online Information Review*.
- J18. **Jeng, W.**, Wang, Z.-H., & Chang, W.-T. (2021). Patient data accessibility for biotech and medicine industry start-up communities in Taiwan. *Journal of Library and Information Studies*, 19(2), 25-41.
- J17. **Jeng, W.**, Hu, H.-Y., Tang, G.-M., & Chien, S.-Y. (2021). Cultural differences in the allocation of attention to information architecture components. *Journal of Library and Information Studies*, 19(1), 19-40.
- J16. Shankar, K., **Jeng, W.**, Thomer, A., Weber, N., & Yoon, A. (2021). Data curation as collective action during COVID-19. *Journal of the Association for Information Science and Technology*, 72(3), 280-284.
- J15. **Jeng, W.**, Wang, S.-H., Chen, H.-W., Huang, P.-W., Chen, Y.-J., & Hsiao, H.-C. (2020). A decentralized framework for cultivating research lifecycle transparency. *PLoS ONE* 15(11): e0241496.
- J14. Zuiderwijk, A., Shinde, R., & **Jeng, W.** (2020). What drives and inhibits researchers to share and use open research data? A systematic literature review to analyze factors influencing open research data adoption. *PLoS ONE* 15(9): e0239283
- J13. Murillo, A.P., Curty, R., **Jeng, W.**, & He, D.(2020). Confronting the challenges of computational and social perspectives of the data continuum. *Data and Information Management*.
- J12. Lyon, L., **Jeng, W.**, & Mattern, E. (2020). Developing the tasks-toward-transparency (T3) model for research transparency in open science using the lifecycle as a grounding framework. *Library & Information Science Research*. *Library & Information Science Research*.
- J11. Chi, Y., He, D., **Jeng, W.** (2020). Laypeople's Source Selection in Online Health Information-Seeking Process. *Journal of the Association for Information Science and Technology*.
- J10. **Jeng, W.**, He, D., & Chi, Y (2017). Social science data repositories in data deluge: A case study of ICPSR's workflow and practices. *The Electronic Library*, 35(4), pp.626-649.
- J09. Robinson, N., Mongeon, P., **Jeng, W.**, & Costas Comesana, R. (2017). DataCite as a novel bibliometric source: Coverage, strengths and limitations. *Journal of Informetrics*. 11 (3), 841-854.
- J08. Mongeon, P., Robinson, N., **Jeng, W.**, & Costas Comesana, R. (2017). Incorporating data sharing to the reward system of science: Linking DataCite records to authors in the Web of Science. *Aslib Journal of Information Management*, 69(5), 545-556.
- J07. **Jeng, W.**, DesAutels, S., He, D., & Li, L. (2017). Information exchange on an academic social networking site: A multi-discipline comparison on ResearchGate Q&A. *Journal of the Association for Information Science and Technology*. 68(3), 638-652.
- J06. **Jeng, W.** & Lyon, L. (2016). A report of data-intensive capability, institutional support, and data management practices in social sciences. *International Journal of Digital Curation (IJDC)*, 11(1), 156-171.
- J05. Brusilovsky, P., Oh, J., López, C., Parra, D., & **Jeng, W.** (2016). Linking information and people in a social system for academic conferences. *New Review of Hypermedia and Multimedia*.
- J04. **Jeng, W.**, Jiang, J., & He, D. (2016). Users' perceived difficulties and corresponding reformulation strategies in Google Voice Search. *Journal of Library & Information Studies*. 14(1).
- J03. Mattern, E., **Jeng, W.**, He, D., Lyon, L., & Brenner, A. (2015). Using participatory design and visual narrative inquiry to investigate researchers' data challenges and recommendations for library research data services. *Program: electronic library and information systems*. 49(4): 408-423.
- J02. Lin, C.-S., **Jeng, W.** (2015). Using Content analysis in LIS research: Experiences with coding schemes construction and reliability measures. *Qualitative and Quantitative Methods in Libraries*. 4: 87-95.
- J01. **Jeng, W.**, He, D., & Jiang, J. (2015). User participation in an academic social networking service: A Survey of open group users on Mendeley. *Journal of the Association for Information Science and Technology*. 66(5): 890-904.

## Conference Proceedings (referred)

- C52. Yang, Y. J., Kung, L. F., & **Jeng, W.** (2023). "Design, Design, and Design Again": An Information-Architecture Redesign Workflow from Case Studies of a Government Portal and a Learning-Management System. In *Information for a Better World: Normality, Virtuality, Physicality, Inclusivity: 18th International Conference, iConference 2023, Virtual Event, March 13–17, 2023, Proceedings, Part II* (pp. 65-73). Cham: Springer Nature Switzerland.
- C51. Shih, Y.-R., Yang, Y.-J.; **Jeng, W.** (2022). Factors influencing criminologists' open research data practices: Trust, contract, and value. *ASIS&T AM 2022*.
- C50. Huang, P.-P. & **Jeng, W.** (2022). Data paper as a reward? Motivation, consideration, and perspective behind data paper submission. *ASIS&T AM 2022*.
- C49. Lee, J.-S. & **Jeng, W.** (2022). Integrated but isolated: Implications from a systematic review of the access control ecosystem for individual participant data in clinical studies. *ASIS&T AM 2022*.
- C48. Chang, Y.-C., Kung, L.-F., Hsiao, H.-C., & **Jeng, W.** (2022). "Prove it!" A user-centered design client for the blockchain-based research lifecycle transparency framework. *ASIS&T AM 2022*.
- C47. Huang, Y.-W., Yang, Y.-J., & **Jeng, W.** (2022). User perception and eye movement on a pandemic data visualization dashboard. *ASIS&T AM 2022*.
- C46. Curty, R. G., Lee, J. S., Chang, W., Kao, T. H., & **Jeng, W.** (2022). Practicing What is Preached: Exploring Reproducibility Compliance of Papers on Reproducible Research. In *International Conference on Information* (pp. 255-264). Springer, Cham.
- C45. Chen, H. C., & **Jeng, W.** (2022). Planning and Running a Low-Contact UX Design Workshop During the Pandemic: Challenges and Design Implications. In *International Conference on Information* (pp. 370-380). Springer, Cham.
- C44. Chen, Y.-J., **Jeng, W.** Does GDPR Influence the hospital-patient relationship? Trust and commitment between health data stakeholders. *ASIS&T AM 2020*.
- C43. **Jeng, W.**, Tsai, F.-H., & Lee, J.-S. (2020). Identifying data-focused curriculum in worldwide iSchools: preliminary data acquisition for Asia-Pacific and European members. *ASIS&T AM 2020*.
- C42. Tang, G., Hu, H., & **Jeng, W.** (2020). A Cross-cultural Study on Information Architecture: Culture Differences on Attention Allocation to Web Components. *iConference 2020*.
- C41. Chiang, P., Lee, J.-S., & Jeng, W. (2020). The landscape of archived studies in a social science data infrastructure: Investigating the ICPSR metadata records. *iConference 2020*
- C40. Lee, J.-S., & **Jeng, W.** (2019). The landscape of archived studies in a social science data infrastructure: Investigating the ICPSR metadata records. *ASIS&T 2019*.
- C39. Murillo, A. P., Curty, R., **Jeng, W.**, & He, D. (2019). The convergence of computational and social perspectives for unveiling meaningful and valuable data. *ASIS&T 2019*.
- C38. Sie, L.-Y., & **Jeng, W.** (2019). Between informative and aesthetic: A user study of content and visualization on government data dashboards. *ASIS&T 2019*.
- C37. Hsiao, H. C., Kim, T. H. J., Ku, Y. M., Chang, C. M., Chen, H. F., Chen, Y. J., ... & **Jeng, W.** (2019). An Investigation of Cyber Autonomy on Government Websites. *The World Wide Web Conference*.
- C36. Xiao, F., He, D., Chi, Y., **Jeng, W.**, & Tomer, C. (2019). Challenges and supports for accessing open government datasets: Data guide for better open data access and uses. In *Proceedings of the 2019 ACM Conference on Human Information Interaction and Retrieval* (pp. 313-317). [Best conference short paper]
- C35. Wang, Z. H., & **Jeng, W.** (2018). Data Accessibility for Biotech and Medicine Industries: A Cross-stakeholder Perspective. In *2018 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)* (pp. 1170-1174).
- C34. Lin, C.-S., & **Jeng, W.** (2018). Challenges and opportunities in data curation for a social sciences data archive: An institution theory inspired analysis framework. To appear in *ASIS&T 2018*.
- C33. Xiao, F., **Jeng, W.**, & He, D. (2018). Investigating Metadata Adoptions for Open Government Data Portals in US Cities. *ASIS&T 2018 Annual Meeting*.
- C32. Wang, Z.-H., & **Jeng, W.** (2018). Health data accessibility: A preliminary study of biotech and medicine industry startup stakeholders. *ASIS&T 2018*.
- C31. Chi, Y., **Jeng, W.**, Acker, A., & Bowler, L. (2018). Affective, behavioral, and cognitive aspects of teen perspectives on personal data in social media: A model of youth data literacy. *iConference 2018*.
- C30. Yoon, A., **Jeng, W.**, Curty, R., & Murillo, A. (2017). In between data sharing and reuse: Shareability, availability and reusability in diverse contexts. *ASIS&T 2017 Annual Meeting*.

- C29. Bowler, L., Acker, A., **Jeng, W.**, & Chi, Y. (2017). "It lives all around us": Aspects of data literacy in teen's lives. ASIS&T 2017 Annual Meeting.
- C28. Chang, L., Hsiao, H.-C., **Jeng, W.**, Kim, T. H.-J., & Lin, W. (2017). Security Implications of Redirection Trail in Popular Websites Worldwide. WWW 2017.
- C27. Lyon, L., **Jeng, W.**, & Mattern, E. (2017). Research transparency: A preliminary study of disciplinary conceptualisation, drivers, tools and support services. In the 11th International Digital Curation Conference (IDCC).
- C26. Curty, R., Yoon, A., **Jeng, W.**, & Qin, J. (2016). Untangling Data Sharing and Reuse in Social Sciences. In the proceedings of the ASIS&T 2016 Annual Meeting.
- C25. **Jeng, W.**, He, D., & Oh, J. (2016). Toward a conceptual framework for data sharing practices in social sciences: A profile approach. In the proceedings of the ASIS&T 2016 Annual Meeting.
- C24. Lyon, L., Mattern, E., **Jeng, W.**, He, D. (2016). Investigating Perceptions and Support for Transparency and Openness in Research: Using Card Sorting in a Pilot Study with Academic Librarians. In the proceedings of the ASIS&T 2016 Annual Meeting.
- C23. **Jeng, W.**, He, D, Oh, J.S. (2016). Qualitative data practices in social sciences. In Proceedings of the 11th International Digital Curation Conference.
- C22. **Jeng, W.**, Lyon, L. (2016). A report of data-intensive capability, institutional support, and data management practices in social sciences. In Proceedings of the 11th International Digital Curation Conference. [*best paper runner-up*]
- C21. **Jeng, W.**, Mattern, E, He, D., & Lyon, L. (2016). Unpacking the "Black Box": A preliminary study of visualizing humanists and social science scholars' data and research processes. In Proceedings of the iConference 2016.
- C20. Bowler, L., Monahan, J., **Jeng, W.**, Oh, J., & He, D. (2015). The quality and helpfulness of answers to eating disorder questions in Yahoo! Answers: Teens speak out. Proceedings of the ASIS&T 2015 Annual Meeting.
- C19. Li, L., He, D., **Jeng, W.**, Goodwin, S., & Zhang, C. (2015), Answer quality characteristics and prediction on an academic Q&A Site: A case study on ResearchGate. WWW'15 Companion, WebQuality 15.
- C18. Mattern, E, **Jeng, W.**, Lyon, L., He, D., & Brenner, A. (2015). Visualizing the research process: A Participatory Design study for developing research data management library services. 10th International Digital Curation Conference.
- C17. Lu, D., Lu, Y., **Jeng, W.**, Farzan, R., Lin, Y.-R. (2015). Understanding health information intent via crowdsourcing: Challenges and opportunities. iConference 2015. [*best paper nomination*]
- C16. Goodwin, S., **Jeng, W.**, & He, D. (2014). Changing communication on ResearchGate through interface updates. In Proceedings of the ASIS&T 2014 Annual Meeting.
- C15. Lin, C. S., & **Jeng, W.** (2014) Using Content Analysis in LIS Research: Experiences with Coding Schemes Construction and Reliability Measures. The 6th International Conference on Qualitative and Quantitative Methods in Libraries.
- C14. Beaton, B., **Jeng, W.**, & Champagne, R. (2014). Exploring the Use of 'Acknowledgement Analysis' to Map Intellectual Diversity and Cross-disciplinary Activity Within the iSchools. iConference 2014.
- C13. **Jeng, W.**, Jiang, J., & He, D. (2013). Users' Perceived Difficulties and Corresponding Reformulation Strategies in Voice Search. In the Proceedings of HCIR2013.
- C12. Bowler, L., Mattern, E., **Jeng, W.**, Oh, J., & He, D. (2013). "I know what you are going through?": Answers to informational questions about eating disorders in Yahoo! Answers: A qualitative study. In Proceedings of the ASIS&T 2013 Annual Meeting.
- C11. Oh, J., He, D., **Jeng, W.**, Mattern, E., & Bowler, L. (2013). Linguistic Characteristics of Eating Disorder Questions on Yahoo! Answers – Content, Style, and Emotion. In Proceedings of the ASIS&T 2013 Annual Meeting.
- C10. Jiang, J., **Jeng, W.**, & He, D. (2013). How Do Users Respond to Voice Input Errors? Lexical and Phonetic Query Reformulation in Voice Search. In Proceedings of the SIGIR'13.
- C09. Jiang, J., Ni, C., He, D., & **Jeng, W.** (2013). Mendeley Group as A New Source of Interdisciplinarity Study: How Disciplines Interact on Mendeley? In Proceedings of the JCDL'13.

- C08. Yue, Z., **Jeng, W.**, Jiang, J., Han, S., & He, D. (2013). UPitt iRiS Lab at iConference 2013 Social Media Expo: Search, share and learn the way you want. iConference 2013.
- C07. Jiang, J., He, D., Han, S., **Jeng, W.** (2013). Is the Article Crucial to My Research? Evaluating Task-Oriented Impacts of Scientific Articles in Information Seeking. iConference 2013.
- C06. **Jeng, W.**, He, D., Jiang, J. & Zhang, Y. (2012). Groups in Mendeley: Owners' Descriptions and Group Outcomes. In Proceedings of the ASIS&T 2012 Annual Meeting.
- C05. Zhang, K., **Jeng, W.**, Fofie, F., Pelechris, K. & Krishnamurthy, P. (2012). Towards Reliable Spatial Information in LBSNs. In Proceedings of the 2012 International Workshop on Location Based Social Networks.
- C04. Bowler, L., Oh, J. S., He, D., Mattern, E. & **Jeng, W.** (2012). Eating Disorder Questions in Yahoo! Answers: Information, Conversation, or Reflection? In Proceedings of the ASIS&T 2012.
- C03. Parra, D., **Jeng, W.**, Brusilovsky, P., López, C. & Sahebi, S (2012). Conference Navigator 3: An Online Social Conference Support System. In Proceedings of UMAP 2012.
- C02. Oh, J. & **Jeng, W.** (2011). Groups in Academic Social Networking Services: An exploration of their potential as a platform for multi-disciplinary collaboration. In Proceeding of IEEE SocialCom 2011.
- C01. Zhang, S. & **Jeng, W.** (2011). Designing a Public Display System on Touchscreen for iSchool Community. In Proceeding of iConference 2011. ACM Press.

### Grants, Honors, and Awards

MOST Young Scholar Fellowship	2018-2023
Teaching Outstanding Award, National Taiwan University	2020
iFellowship, CLIR & the Andrew W. Mellon Foundation	2015-2017
Eugene Garfield Doctoral Dissertation Award, Beta-Phi-Mu Honor Society	2016-2017
Margaret Mary Corbett Memorial Award, University of Pittsburgh	2016
Catherine Ofiesh and Gerald Orner Award, University of Pittsburgh	2015, 2016

### Teaching experience

National Taiwan University, Taipei, Taiwan	
“LIS8027: Seminar in Open Science”	SP21, SP23
“LIS5098/IM5053: Digital decision-making: Data visualization and machine learning”	FL20-21, SP23
“LIS4015: Research method and thesis writing”	SP19-22, FL22
“LIS5089: Research data infrastructure”	SP18-20, 22
“LIS3033: Library Information Systems”	FL17-22
“LIS5087: Data analysis and visualization”	SP18
“LIS5054: Information Architecture and Web Design”	FL17
University of Pittsburgh, Pittsburgh, USA	
“LIS2972: Social Media for Librarians”	SM14

### Other Professional Experience

University of Pittsburgh, Pittsburgh, USA	
Graphic Designer - PAWS (Personalized Adaptive Web Systems) Lab	2011-2015
Ensemble Computing Pathway - National Science Digital Library, USA	
Interface Designer - NSDL Pathways project – Ensemble	2011
University of Pittsburgh, Pittsburgh, USA	
Application Interface Developer - Public touchscreen display system for iSchool	2010

## Services

### Conference chairs and program committee

- The Web Conference (WWW) (also Co-Chair of the co-located events)
- ICMSW 2022 (Workshop co-chairs)
- Joint Conference on Digital Libraries (Senior conference committee member)
- TAICHI 2017, 2018 (also Poster Co-Chairs), 2019 (also Technical Co-Chair)
- ASIS&T
- ISSI 2019

### Editorial board member

- Aslib Journal of Information Management
- The Electronic Library

### Guest editor

- Sage Open
- JeDem