

Heejin Lee

Professor of Digital Business and Digital Trade

Profile

Professor Heejin Lee obtained his PhD in the Department of Information Systems at London School of Economics. He has an interdisciplinary background with sociology (MA, Seoul National University) and management (BA, SNU). Before joining GSIS, he worked in the University of Melbourne, Australia (2022~2026) and Brunel University, UK (1998~2002). His research interest includes international standardization (with focus on China and Korea), IT/IS for development (ICT4D) and Australian studies. He was a Visiting Professor of the Hitotsubashi University Institute of Innovation Research (December 2020 to March 2021) (<https://www.iir.hit-u.ac.jp/>), and a Visiting Academic at the School of School of Historical and Philosophical Studies, the University of Melbourne in 2013.

He is the director of Digital Trade Research Center running 'Digital Trade Education Program' funded by the Ministry of Industry, Trade and Energy. He also runs the Centre for Australian Studies (CAS) at Yonsei, and is a board member of Korea-Australia Foundation.

He is currently a Mercator Fellow to the Institute for Asian and African Studies at the University of Humboldt to participate in a project titled 'Pathways from Rule-Taking to Rule-Making: A Comparison of China and Korea's Internationalization Strategies for Digital Standards'. The Mercator Fellowship Program is an invitation program to enable outstanding international scholars to visit and collaborate in a German institution.

He was awarded the Presidential Citation on the World Standards Day 2022 for his contribution to enhancing standards research & education.

He was also an awardee of the Endeavour Executive Award 2013 of the Australian Government. He was the President of the Korea Association of International Development Cooperation (2017-2018).

His expertise lies in the geopolitics of standardization (of digital and critical & emerging technologies) and Digital for Development.

Recent publications include "The Geopolitics of Next Generation Mobile Communication Standardization: The Case of Open RAN" (*Telecommunications Policy*, 2023); "The changing patterns of China's international standardization in ICT under techno-nationalism: A reflection through 5G standardization" (*International Journal of Information Management*, 2020).

In 2023, he conducted a KSP (Knowledge Sharing Program) project on behalf of KDI (Korea Development Institute) titled "Australia-Korea Partnership on Critical Technology and Digital Economies" focusing on standardization, and will conduct "UK-ROK Partnership on Building Capacity in Digital Standards and Critical Technologies" in 2024-2025.

Education

- Ph.D. Information Systems, London School of Economics and Political Science, 1997
- MA, Department of Sociology, Seoul National University, 1989
- BA, Business Administration, Seoul National University, 1986

Courses and Current Research Area

- ICT and Development
- Digital Business and Digital Trade
- Global IT Management
- Information Systems and Information Society (undergraduate)

- Standards and Standardization (Geopolitics, China and Korea)
- IT/IS in Developing Countries (ICT4D)
- Australian studies

PhD Supervision

- Dr. Hanah Zoo, completed in February 2017. "Standardization and Innovation in Developing Countries: A case of national standard-setting committees in Vietnam". Assistant Professor at Hallym University
https://www.hallym.ac.kr/hallym_univ/sub01/cP17/sCP3/tab1
- Dr. Donghyu Kim, completed in August 2017. "A study of standards and innovation: a case of the internet of things (IoT) with focus on China". Senior Lecturer, Adam Smith Business School, University of Glasgow. <https://www.gla.ac.uk/schools/business/staff/dong-hyukim/>
- Doyoung Eom. Completed in February 2021. "Three Essays on Standardization in Converging Industries: Competition and Cooperation between SDOs". Research professor, Center for Economic, Technological, and Security Studies, the Institute of Foreign Affairs and National Security (IFANS)
- Mijin Kim. Rivalry in international standardization for emerging technologies
- Jihong Kim. The geopolitics of standardization (EU, Korea).

Recent Academic Publications

[Standards and Standardization]

1. Kim, M., D. Eom and H. Lee. 2023. The Geopolitics of Next Generation Mobile Communication Standardization: The Case of Open RAN", *Telecommunications Policy*. 102625.
2. Mi-jin Kim, Heejin Lee* and Jooyoung Kwak (2020). The changing patterns of China's international standardization in ICT under techno-nationalism: A reflection through 5G standardization. *International Journal of Information Management*. October Volume 54:102145.
3. 김지홍, 김미진, 이희진. 2023. 중국의 기술국가주의에 대한 독일의 대응 및 전략: 국제 기술표준화를 중심으로. *EU연구*. 2023년 제67호: 9-36. DOI
4. 이희진. 2023. 경제안보 관점에서의 기술표준 논의 동향. 'Trade & Security'. 전략물자관리원. Volume 5. June 2023: 50-55.
5. Heejin Lee. 2022. Big-Power Rivalry over Tech Standards and South Korea's Response. *Global Asia*. Vol. 17, No. 4, December: 39-42.

6. D. Eom, H. Lee and J. Kwak, 2021. Approaches to Standards Cooperation with ASEAN and the Relevance to Aid for Trade. *아태연구* 제 28 권 제 3 호: 5-51.
<https://doi.org/10.18107/japs.2021.28.3.001>
7. Eom, Doyoung, Heejin Lee* and Dong-hyu Kim (2021). Committee Standards Battles in the Era of Convergence: Implications for Smart Systems. *International Journal of Information Management*. Volume 60, October 2021, 102380.
8. Heejin Lee. 2021. The Battle to Set Digital Technical Standards. *Global Asia*. Vol. 16, No. 4, December: 42-46.
9. 엄도영, 이희진*. 2021. V2X 통신을 둘러싼 표준 경쟁. *모빌리티연구*. 1(1): 1-22.
10. 이희진. 2020. 표준으로 바라본 세상: 일상에서 만나는 표준의 정치경제학. *과주: 한울아카데미*.
11. “4차산업혁명과 표준화: 사례 모음”, 이희진, 주한나, 최동근 편저. 2019. 박영사.

[ICT4D and ODA]

12. Hyorim Chung, Kyungjin Cha and Heejin Lee*. 2023. What Drives and Hinders the Use of New e-Customs Systems in Developing Countries of Sub-Saharan Africa? An Empirical Study from Cameroon. *Information & Media*. vol. 96, pp. 40-64 DOI:
<https://doi.org/10.15388/Im.2023.96.65>.
13. 임혜진, 곽주영, 이희진*. 2023. 수자원 관리 정보시스템의 사회경제적 영향 평가: 우즈베키스탄 사업의 사례. *아태연구* 제30권 제1호: 79-113.
14. Lee, C., Lee, Heejin, and Cha, K. 2022. Trust in technology vs. Trust in technology supplier: Success factors for Cameroon customs information system adoption. *Journal of Theoretical and Applied Information Technology*. December 2022. Vol.100. No 24. 7366-7380.
15. 이희진 (편저). 2021. 국제 전문가가 들려주는 ICT4D: 정보통신기술과 국제개발협력. *한울아카데미*.
16. 주한나 ·정효림 ·권호·이희진*. (2020). 한국의 ICT 국제개발협력 연구 동향 분석: 2002년-2020년 학술 논문의 체계적 문헌 분석. *국제개발협력연구* 제12권 3호: 33~55. <https://doi.org/10.32580/idcr.2020.12.3.33>
17. Minjin Kim, Hanah Zoo, Heejin Lee, Juhee Kang (2018). Mobile financial services, financial inclusion, and development: A systematic review of academic literature. *Electronic Journal of Information Systems in Developing Countries*. <https://doi.org/10.1002/isd2.12044>.

[Australian Studies]

18. Choi, M., Lee, H. & Zoo, H. Scientific knowledge production and research collaboration between Australia and South Korea: patterns and dynamics based on co-authorship. *Scientometrics* 126, 683-706 (2021). <https://doi.org/10.1007/s11192-020-03765-2>
19. H. Lee*, J. Liebenau and V. Fomin. (2019). ‘Breaks of gauge’ in Australian railway history: the significance of standardisation in national infrastructures. *International Journal of Services and Standards*, 13(1/2): 46-58.