

Changjun Lee

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Hanyang University (ERICA Campus)
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EMPLOYMENT

Hanyang University (ERICA) , Ansan, Republic of Korea Department of Media & Social Informatics Associate Professor (<i>Head of dep.</i>) Research Institution of Creativity & Interaction (<i>Head of institution</i>)	2022. ~ Cur.
Hanyang University (ERICA) , Ansan, Republic of Korea Department of Media & Social Informatics Assistant Professor	2019 ~ 2022.
University College Dublin , Republic of Ireland Spatial Dynamics Lab Senior Postdoctoral Research Fellow	2017 ~ 2019
National University of Singapore , Singapore Lee Kuan Yew School of Public Policy Postdoctoral Research Associate	2015 ~ 2017
General Electric (GE) Healthcare , Seoul, Republic of Korea Marketing Department. Visiting Consultant (Market Analyst)	2012 ~ 2012
Republic of Korea Army Military Police Officer (Military Service)	2006 ~ 2008

EDUCATION

Seoul National University , Seoul, Republic of Korea Technology Management, Economics, and Policy Program Ph.D. in Economics (Technology Management) Dissertation: “ <i>Research on the Growth Mechanism of Platform Ecosystem</i> ”	2010 ~ 2015
Yonsei University , Seoul, Republic of Korea B.Sc. in Chemistry B.Sc. in Biology	2004 ~ 2010

RESEARCH INTERESTS

Media & Informatics
Technology (Knowledge) Management
Innovation and Policy

TEACHING INTERESTS

Computational Social Science
Media & Technology
Technology Evolution, Innovation, and Public Policy
Applied Econometrics and Causal Inference

PEER-REVIEWED PUBLICATIONS ¹

- [1] **(SCIE)** Lee, C., Na, C., Kim, K. O.* (2023). The Effect of Watching OTT Late at Night on the Sleep Pattern of Users. *Sleep and Biological Rhythms*, Forthcoming.
- [2] **(SSCI)** Na, C., Lee, C., Kim, E. D.* (2023). The Optimal Open Innovation Strategy with Science-based Partners for Venture Firm's Innovation Capabilities: Focusing on Innovation Modes. *Science, Technology and Society*, Online first. <https://doi.org/10.1177/09717218231160442>
- [3] **(SSCI)** Liu, H. S., Lee, C., Kim, K., Lee, J., Moon, A., Lee, D., & Park, M. (2023). An Analysis of Factors Influencing the Intention to Use "Untact" Services by Service Type. *Sustainability*, 15(4), 2870. <https://www.mdpi.com/2071-1050/15/4/2870>
- [4] **(KCI)** Choi, M. & Lee, C.* (2022). The effect of Online Community Activities in Non-face-to-face Situations on Life Satisfaction : Focusing on the Comparison between Before(2017) and After(2021) COVID-19. *Information Society & Media*. 23(3), 83-124. <https://doi.org/10.52558/ISM.2022.12.23.3.83>
- [5] **(KCI)** Yeom, J., Lee, S., & Lee, C.* (2022). Analysis of the Characteristics of Extreme Patriotism and Psychological Motives by Understanding the Cyber Conflict Between Chinese Fandom Patriotism and Hallyu Fandom. *Journal of Cybercommunication Academic Society*. 39(4). 5-49.
- [6] **(SSCI)** Shim, D., Lee, C., & Oh, I. (2022). Analysis of OTT Users' Watching Behavior for Identifying a Profitable Niche: Latent Class Regression Approach. *Journal of Theoretical and Applied Electronic Commerce Research*, 17(4), 1564-1580. <https://www.mdpi.com/0718-1876/17/4/79>
- [7] **(SSCI)** Kim, K., Kogler, D. F., Lee, C., & Kang, T.* (2022). Changes in regional knowledge bases and its effect on local labour markets in the midst of transition: Evidence from France over 1985–2015. *Applied Spatial Analysis and Policy*, 1-22. <https://doi.org/10.1007/s12061-022-09444-4>
- [8] **(SSCI)** Shon, M., Lee, D. & Lee, C.* (2022). Inward or Outward? Direction of Knowledge Flow and Firm Efficiency. *International Journal of Technology Management*. 90(1-2), 102-121. <https://doi.org/10.1504/IJTM.2022.124617>
- [9] **(KCI)** Kang, S., Seo, Y., & Lee, C.* (2022). A Study of the Development of Sectoral Digital Transformation Conflict Indicator. *Information Society & Media*. 23(1), 41-68. <https://doi.org/10.52558/ISM.2022.04.23.1.41>
 - Best Paper Award, 2022 Korea Media Management Association
- [10] **(SSCI)** Park, I., Lee, J., Lee, D., Lee, C., & Chung, W. Y.* (2022). Changes in consumption patterns during the COVID-19 pandemic: Analyzing the revenge spending motivations of different emotional groups. *Journal of Retailing and Consumer Services*, 65, 102874. <https://doi.org/10.1016/j.jretconser.2021.102874>
- [11] **(SSCI)** Lee, C., Shin, H., Kim, K., & Kogler, D. F.* (2022). The effects of regional capacity in knowledge recombination on production efficiency. *Technological Forecasting and Social Change*. 180, 121669. <https://doi.org/10.1016/j.techfore.2022.121669>

¹ Research specifics

in Google scholar: <https://scholar.google.com/citations?user=aUHA25kAAAAJ&hl=ko>

in ORCID: <https://orcid.org/0000-0002-8859-9796>

in Research gate: https://www.researchgate.net/profile/Changjun_Lee3

in Mendeley: <https://www.mendeley.com/profiles/changjun-lee4/>

in Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57192834038>

* Corresponding author

- [12] (SSCI) Jung, E., Lee, C.*, & Hwang, J. (2022). Effective strategies to attract crowdfunding investment based on the novelty of business ideas. *Technological Forecasting and Social Change*. 178, 121558. <https://doi.org/10.1016/j.techfore.2022.121558>
- [13] (SSCI) Jeon, H., & Lee, C.* (2022). Internet of Things Technology: Balancing Privacy Concerns with Convenience. *Telematics and Informatics*. 70, 101816. <https://doi.org/10.1016/j.tele.2022.101816>
- [14] (SSCI) Kogler, D. F., Davies, R. B., Lee, C., & Kim, K.* (2022). Regional knowledge spaces: the interplay of entry-relatedness and entry-potential for technological change and growth. *The Journal of Technology Transfer*. 1-24. <https://doi.org/10.1007/s10961-022-09924-2>
- [15] (SSCI) Tóth, G., Elekes, Z., Whittle, A., Lee, C.*, & Kogler, D. F. (2022). Technology network structure conditions the economic resilience of regions. *Economic Geography*. 98(4), 1-24. <https://doi.org/10.1080/00130095.2022.2035715>
- [16] (SSCI) Jo, H., Park, S., Shin, D., Shin, J.*, & Lee, C. (2022). Estimating cost of fighting against fake news during catastrophic situations. *Telematics and Informatics*. 66, 101734. <https://doi.org/10.1016/j.tele.2021.101734>
- [17] (SSCI) Park, I., Shim, H., Kim, J., Lee, C., & Lee, D.* (2022). The Effects of Popularity Metrics in News Comments on the Formation of Public Opinion: Evidence from an Internet Portal Site. *The Social Science Journal*. doi:<https://doi.org/10.1080/03623319.2020.1768485>
- [18] (SSCI) Kim, K., Lee, J., & Lee, C.* (2022). Which innovation type is better for production efficiency? A comparison between product/service, process, organizational, and marketing innovations using stochastic frontier and meta-frontier analysis. *Technology Analysis & Strategic Management*. doi: <https://doi.org/10.1080/09537325.2021.1965979>
- [19] (SSCI) Rocchetta, S.*, Mina, A., Lee, C., & Kogler, F. D. (2022). Technological Knowledge Space and the Resilience of European Regions. *Journal of Economic Geography*. 22(1), 27-51. doi: <https://doi.org/10.1093/jeg/lbab001>
- [20] (KCI) Kim, K., Lee, J., & Lee, C.* (2021). Exploratory Analysis of Knowledge Structure and Evolutionary Trajectory in Korean Artificial Intelligence for Effective Technology Policy. *Korean Innovation Study*. 16(3). Doi:<https://doi.org/10.46251/INNOS.2021.8.16.3.139>
- [21] (SSCI) Lee, C., Cho, H., & Lee, D.* (2021). The mechanism of innovation spill-over across sub-layers in the ICT industry. *Asian Journal of Technology Innovation*. 29(2), 159-179. doi:<https://doi.org/10.1080/19761597.2020.1796725>
- [22] (SCIE) Jung, S., Kim, K. & Lee, C.* (2021). The nature of ICT in technology convergence: A knowledge-based network analysis. *PLOS ONE*. 16(7): e0254424. <https://doi.org/10.1371/journal.pone.0254424>
- [23] (KCI) Jo, H., Oh, M., Shin, J.*, & Lee, C. (2021). Identifying Fake news in the Disastrous situations: Video versus Text. *Journal of Cybercommunication Academic Society*. 38(2). 83-120. doi: <https://doi.org/10.36494/JCAS.2021.06.38.2.83>
- [24] (KCI) Roh, T., Jo, G., & Lee, C.* (2021). Coincidence Analysis with International Patent Classification (IPC) Network of US ICT Companies: Focusing on Technology Similarity and Application. *Korean Innovation Study*. 16(2). 237-263. doi:<https://doi.org/10.46251/INNOS.2021.5.16.2.237>
- [25] (SSCI) Na, C., Lee, D., Hwang, J., & Lee, C.* (2021). Strategic Groups Emerged by Selecting R&D Collaboration Partners and Firms' Efficiency. *Asian Journal of Technology Innovation*. 29(1), 109-133. doi:<https://doi.org/10.1080/19761597.2020.1788957>
- [26] (SSCI) Lee, C., Lee, D., & Shon, M.* (2020). Effect of efficient triple-helix collaboration on organizations based on their stage of growth. *Journal of Engineering and Technology Management*. 58, 101604. <https://doi.org/10.1016/j.jengtecman.2020.101604>

- [27] **(KCI) Lee, C.***, Woo, H.J., & Park, S.B. (2020). Factors of newly entering into the purchase on TV home-shopping: Random Forest Analysis based on users' media repertoire data. *Korean Innovation Study*. 15(2), 113-149. doi:<https://doi.org/10.46251/INNOS.2020.05.15.2.113>
- [28] **(Book Chapter) Lee, C.* & Bae, Y.** (2019). Development of Information Communication Technology Industry and Public Policy in South Korea, In Ahn, M.J., & Kim, Y. (Eds.), *Public Administration and Public Policy in Korea*. Springer.
Doi: https://doi.org/10.1007/978-3-319-31816-5_3801-1
- [29] **(SSCI) Lee, C.**, Kogler, D.F., & Lee, D.* (2019). Capturing Information on Technology Convergence, International Collaboration, and Knowledge Flow from Patent Document: A Case of Information and Communication Technology. *Information Processing & Management*. 56(4), 1576-1591. doi:[10.1016/j.ipm.2018.09.007](https://doi.org/10.1016/j.ipm.2018.09.007)
- [30] **(SSCI) Kim, E.H.W.* & Lee, C.** (2019). Does Working Long Hours Cause Marital Dissolution? Evidence from the Reduction in South Korea's Workweek Standard. *Asian Population Studies*. 15(1), 87-104. doi:[10.1080/17441730.2019.1565131](https://doi.org/10.1080/17441730.2019.1565131)
- [31] **(SSCI) Kim E.H.W.*, Lee, C., & Do, Y.K.** (2019). The Effect of Adult Children's Working Times on Visiting with Elderly Parents: A Natural Experiment in Korea. *Population Research and Policy Review*. 38(1), 53-72. doi:[10.1007/s11113-018-9486-0](https://doi.org/10.1007/s11113-018-9486-0)
- Featured in: *Straits Times*, *Lianhe Zaobao* (In Chinese)
- [32] **(SSCI) Lee, C.* & Hwang, J.** (2018). The Influence of Giant Platform on Content Diversity. *Technological Forecasting and Social Change*. 136, 157-165.
doi:[10.1016/j.techfore.2016.11.029](https://doi.org/10.1016/j.techfore.2016.11.029)
- [33] **(SSCI) Kim, E.H.W.*, Lee, C., & Do Y.K.** (2018). The Effect of a Reduced Statutory Workweek on Familial Long-Term Care in Korea. *Journal of Aging and Health*. 30(10), 1620-1641. doi:[10.1177/0898264318797469](https://doi.org/10.1177/0898264318797469)
- Poster Session Winner, 2018 Population Association of America Conference
- [34] **(SSCI) Lee, C. & Kim, H.*** (2018). The Evolutionary Trajectory of ICT Ecosystem: A Network Analysis based on Media User Data. *Information & Management*. 55(6), 795-805.
doi:[10.1016/j.im.2018.03.008](https://doi.org/10.1016/j.im.2018.03.008)
- Best Paper Award, 2015 Korea Media Panel Conference
- [35] **(SSCI) Lee, C.**, Shin, J., & Hong, A.* (2018). Does Social Media Use Really Make People Politically Polarized? Direct and Indirect Effects of Social Media Use on Political Polarization. *Telematics and Informatics*. 35(1), 245-254. doi:[10.1016/j.tele.2017.11.005](https://doi.org/10.1016/j.tele.2017.11.005)
- [36] **(SSCI) Na, H.S., Lee, D., Hwang, J., & Lee, C.*** (2018). Research on the Mutual Relations between ISP and ASP Efficiency Changes for the Sustainable Growth of Internet Industry. *Applied Economics*. 50(11), 1238-1253. doi:[10.1080/00036846.2017.1358443](https://doi.org/10.1080/00036846.2017.1358443)
- [37] **(SSCI) Lee, C.**, Kim, J.H., & Lee, D.* (2017). Intra-industry Innovation, Spillovers, and Industry Evolution: Evidence from the Korean ICT industry. *Telematics and Informatics*. 34(8), 1503-1513. doi:[10.1016/j.tele.2017.06.013](https://doi.org/10.1016/j.tele.2017.06.013)
- [38] **(SSCI) Lee, C.**, Jung, S., & Kim, K.O.* (2017). Effect of a Policy Intervention on Handset Subsidies on the Intention to Change Handsets and Households' Expenses in Mobile Telecommunications. *Telematics and Informatics*. 34(8), 1524-1531.
doi:[10.1016/j.tele.2017.06.017](https://doi.org/10.1016/j.tele.2017.06.017)
- [39] **(SSCI) Lee, C.**, Kim, H., & Hong, A.* (2017). Ex-post Evaluation of Illegalizing Juvenile Online Game after Midnight: A Case of Shutdown Policy in South Korea. *Telematics and Informatics*. 34(8), 1597-1606. doi:[10.1016/j.tele.2017.07.006](https://doi.org/10.1016/j.tele.2017.07.006)
- Cited in Nature Editorial
<http://www.nature.com/news/put-cult-online-games-to-the-test-1.22343>

- [40] (SSCI) Lee, C., Lee, K., & Lee, D.* (2017). Mobile Healthcare Applications and Gamification for Sustained Health Maintenance. *Sustainability*. 9(5), 772. doi:[10.3390/su9050772](https://doi.org/10.3390/su9050772)
- [41] (KCI) Kim, M.K., Lee, C., & Hong, A.* (2016). The Analysis of Media Usage Pattern for Effective Diffusion of Information. *Information Society & Media*. 17(1). 77-113. doi:<https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE06667546>
- [42] (SSCI) Lee, C., Lee, D.*, & Hwang, J. (2015). Platform Openness and the Productivity of Content Providers: A meta-frontier analysis. *Telecommunications Policy*. 39(7). 553-562. doi:[10.1016/j.telpol.2014.06.010](https://doi.org/10.1016/j.telpol.2014.06.010)

AWARDS & HONORS

2022. **Best Paper Award**. Korea Media Management Association. Fall regular academic conference. 2 Dec 2022.
2022. **Special Promotion Fast Track** (Assistant to Associate Professor). Hanyang University, 14 Sep 2022.
2021. **Best Teacher (IC-PBL Rookie Division Excellence Award 2020-2)**. Hanyang University ERICA IC-PBL Center, 14 Jan 2021.
2021. **Best Junior Faculty Award (Excellence in International Papers)**. Hanyang University ERICA Academic Awards 2020, 27 Jan 2021.
2018. **Selected Poster Presenter**. Regional Studies Association European Foundation Socio-Spatial Dynamics Summer College. Sardinia, Italy. 4-7 Sep 2018. (Paid trip)
2018. **Poster Session Award**. Population Association of America, “The effect of a reduced statutory workweek on familial long-term care in Korea,” Denver USA, 26-28 April 2018
2015. **Best Paper Award**. Korea Media Panel Conference. Korea Information Society Development Institute.
- 2014-2015. **Brain Korea 21+ Scholarship**. Ministry of Education, Science and Technology.
- 2012-2013. **Korea Rotary Club Scholarship**. Korea Rotary Club
- 2010-2012. **Training for Management of Technology Specialist Fellowship**. Ministry of Trade Industry and Energy.

SPECIALTY

1. Computational Research and Analytics
 - Big-data Handling and Visualization
 - Social Network Analysis
 - Agent Based Modelling
2. Advanced Programmer
 - Fluent usage at *R*, *Python*, *C++*, *MySQL*, *SAS*, and *STATA*.
 - Intermediate usage at *Tableau*, *Gephi*
3. Econometric Analysis
 - Research Design for Causal Inference
 - Policy (Program) Evaluation

LANGUAGES

English (Fluent) / Korean (Native) / Mandarin Chinese (Basic)