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 (*Head of dep.*)
   Research Institution of Creativity & Interaction (*Head of institution*)
	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: *"Research on the Growth Mechanism of Platform Ecosystem"*
	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] **(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

[2] **(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

[3] **(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.

[4] **(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

[5] **(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

[6] **(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

[7] **(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

[8] **(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

[9] **(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

[10] **(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

[11] **(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

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[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)** 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

[13] **(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

[14] **(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

[15] **(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

[16] **(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

[17] **(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

[18] **(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://dio.org/10.46251/INNOS.2021.8.16.3.139

[19] **(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

[20] **(SSCI)** 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

[21] **(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

[22] **(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

[23] **(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

[24] **(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

[25] **(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

[26] **(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

[27] **(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

[28] **(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

[29] **(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

- Featured in: *Straits Times, Lianhe Zaobao* (In Chinese)

[30] **(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

[31] **(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

- Poster Session Winner, 2018 Population Association of America Conference

[32] **(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

- Best Paper Award, 2015 Korea Media Panel Conference

[33] **(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

[34] **(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

[35] **(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

[36] **(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

[37] **(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

- Cited in Nature Editorial
  http://www.nature.com/news/put-cult-online-games-to-the-test-1.22343

[38] **(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

[39] **(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

[40] **(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

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)