LANU KIM

Assistant Professor
School of Digital Humanities and Computational Social Sciences at KAIST

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RESEARCH INTERESTS

Computational Social Science; Science of Science; Sociology of Knowledge; Data Science; Big Data; Gender; Inequality; Social Network Analysis; Technology and Society

ACADEMIC POSITIONS

Assistant Professor, 2021-, School of Digital Humanities and Computational Social Sciences, KAIST
Joint Professor, 2021-, School of Computing, KAIST
Joint Professor, 2022-, Graduate School of Data Science, KAIST
Postdoctoral Fellow, 2018–2021, Graduate School of Education, Stanford University

EDUCATION

Ph.D., 2018, Sociology, University of Washington
M.A., 2014, Sociology, University of Washington
B.A., 2007, Sociology and Economics, Seoul National University

PUBLICATIONS

- **Kim, Lanu**, Sanne Smith, Linus Dahlander, and Daniel A. McFarland. 2022. "Networking a career: Individual adaptation in the network ecology of faculty." *Social Networks* (online).
- **Kim, Lanu**, Daniel Scott Smith, Bas Hofstra, and Daniel A. McFarland. 2022. "Gendered Knowledge in Fields and Academic Careers." *Research Policy* 51(1).
- Risi, Stephan, Mathias W. Nielsen, Emma Kerr, Emer Brady, **Lanu Kim**, Daniel A. McFarland, Dan Jurafsky, James Zou, and Londa Schiebinger. 2022. "Diversifying history: A large-scale analysis of changes in researcher demographics and scholarly agendas." *PloS one* 17(1): e0262027.
- Serafini, Brian, **Lanu Kim**, Basil M. Saour, Ryan James, Blake Hannaford, Ryan Hansen, Tadayoshi Kohno, Wayne Monsky, and Stephen P. Seslar. 2022. "Exploring Telerobotic Cardiac Catheter Ablation in a Rural Community Hospital: A Pilot Study. " *Cardiovascular Digital Health Journal*, online first.
- **Kim, Lanu**. 2021. "Geographical Locations of Occupations and Information and Communication Technology: Do Online Tools Impact Where People in the U.S. Live and Work?" *Sage open.*
- Hansen, Ryan N., Basil Matthew Saour, Brian Serafini, Blake Hannaford, **Lanu Kim**, Takayoshi Kohno, Ryan James, Wayne Monsky, and Stephen P. Seslar. 2021. "Opportunities and Barriers to Rural Telerobotic Surgical Health Care in 2021: Report and Research Agenda from a Stakeholder Workshop. " *Telemedicine and e-Health*. (Published online.)
- Yoon, Soo-Yeon, Sojung Lim, and **Lanu Kim**. 2021. "Labour Market Uncertainty and the Economic Foundations of Marriage in South Korea." *Asian Population Studies*. (Published online.)

- **Kim, Lanu**, Christopher Adolph, Jevin West, and Katherine Stovel. 2020. "The Influence of Changing Marginals on Measures of Inequality in Scholarly Citations: Evidence of Bias and a Resampling Correction." *Sociological Science* 7:314-341.
- **Kim, Lanu**, Jason Portenoy, Jevin West, and Katherine Stovel. 2020. "Scientific Journals Still Matter in the Era of Academic Search Engines and Preprint Archives." *Journal of the Association for Information Science and Technology* 71(10):1218-1226.
- **Kim, Lanu,** Sue-yeon Song. 2020. "Is Korean Academia Unique?: Comparison of Knowledge Discourses between Korean and International Sociology." *Korean Journal of Sociology* 54(4):1-40. (in Korean)
- Shin, Solee and **Lanu Kim**. 2020. "Chaebol's Turn to Service: Rise of a Korean Service Economy and the Dynamics of Self-Employment and Wage Work." *Journal of Contemporary Asia* 50(3):433-456.
- Shin, Solee and **Lanu Kim**. 2013. "Organizing K-pop: Emergence and Market Making of Large Korean Entertainment Houses, 1980-2010." *East Asia* 30(4):255-272.
- Chang, Dukjin, **Lanu Kim**, and Kiwoong Park. 2012. "The Political Economic Approach on Voting Behaviors in the 17th Korean Assembly Using NOMINATE Analysis." *Korean Journal of Sociology* 46(1):1-23. [In Korean]
- **Kim, Lanu**. 2010. "A Study of Change in Residence Stability through Analyzing Home-Ownership Rates: A Case Study in Seoul, Republic of Korea, 1985-2005." *Seoul Studies* 11(1):43-59. [In Korean]

WORKS IN PROGRESS

In Preparation:
- **Kim, Lanu**, Bas Hofstra, and Sebastian Galvez. "Differential Return on Performance Persists the Gender Pay Gap among Faculty in the Public University System." [draft ready]
- **Kim, Lanu**, Christopher Adolph, Jason Portenoy, Jevin West, and Katherine Stovel. "Does Field Expertise Diminish Reliance on Internet Searches?"
- **Kim, Lanu**, Christopher Adolph, Jevin West, and Katherine Stovel. "Identifying Marginals Bias on Measures of Inequality."
- Kulkarni, Vivek, **Lanu Kim**, Daniel McFarland. "Modeling Tie Dynamics in Ideational Spaces of Scientific Fields – A Network Theoretic Approach." [draft ready]

AWARDS AND GRANTS

- Best Teaching Award, KAIST. 2023.
- Research Innovation Award of the College of Liberal Arts and Convergence Science, KAIST. 2022.
- Data Science Scholar, Stanford University, 2020-2021.
- "Planning for the Future of Rural Telerobotic Surgical Healthcare," 2020-2021, NSF Grant ID: 2025814; Stephen Seslar (PI), Blake Hannaford (Co-PI), and Tadayoshi Kohno (Co-PI). Role: Consultant.
- "Search Engines Impact on How Scientists Cite," 2019-2020, Metascience Research Grant, funded by Fetzer Franklin Fund. Role: PI.
- "Echo Chambers in Science? The Impact of Academic Recommender Systems on the Dissemination of Scientific Knowledge," 2017-2020, NSF Grant ID: 1735194; Katherine Stovel (PI) and Jevin West (Co-PI). Role: Research Assistant.
- Fulbright Graduate Study Fellowship, 2011-2013.
- Best Paper Award, Korean Sociological Association, 2013, "The Political Economic Approach on Voting Behaviors in the 17th Korean Assembly Using NOMINATE Analysis."

LANU KIM

PRESENTATIONS (SELECTED)

- "Rediscovering Aristotle: Are We Creating New Science or Repackaging Old Science?" Paper presented at the Annual Meeting of American Sociological Association, August 2020, virtually.
- "Scientific Journals Still Matter in the Era of Academic Search Engines and Preprint Archives." Paper presented at the Metascience 2019 Symposium, September 2019, Stanford, CA.
- "Gender Embodiment in Research and its Influence on Academic Careers." Paper presented at the Annual Meeting of the American Sociological Association, August 2019, New York, NY.
- "Echo Chambers in Science?" Paper presented at the Annual Meeting of the American Sociological Association, August 2017, Montreal, Canada.
- "Socioeconomic Status and the Transition to First Marriage in South Korea." Paper presented at the Annual Meeting of the Pacific Sociological Association, March 2017, Portland, OR.
- "Do Tech Jobs Support Cities as Manufacturing Did?: Comparison on Occupation Structure Between 1970 and 2014 in the United States." Paper presented at the Annual Meeting of the American Sociological Association, August 2016, Seattle, WA.
- "What Makes Union Strong: A Network Perspective on Union Bargaining Power." Paper presented at the Annual Meeting of the American Sociological Association, August 2014, San Francisco, CA.
- "Chaebol's Turn to Service: Retail Concentration and Fate of the Korean Self-Employed After the 1997 Asian Financial Crisis." Paper presented at the 26th Annual Conference of the Society for the Advancement of Socio-Economics, June 2014, Chicago, IL.
- "Organizing K-pop: Emergence and Market Making of Large Korean Entertainment Houses, 1980-2010." Paper presented at the Annual Meeting of the Pacific Sociological Association, March 2014, Portland, OR.

TEACHING

Undergraduate-level courses
- Computational social science (400 level); Introduction to sociology (100 level); Science, technology, and society (100 level); Special Topics in Smart Convergence <Smart Mobility Design for Designer, Engineer, and Data Scientist> (400 level, co-teaching)

Graduate-level courses
- Recent trends in computational social science; Introduction to digital humanities and computational social sciences (co-teaching)

SKILLS

Software
- R, Stata, SQL, SPSS, LaTex

Languages
- English (proficient); Korean (native); Japanese (Intermediate)