

Seokkyun Joshua Woo
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EDUCATION

Georgia Institute of Technology, Atlanta, GA August 2016 – May 2022

- School of Public Policy
- Ph.D. in Public Policy (Science and Technology Policy)

Georgia Institute of Technology, Atlanta, GA August 2017 – May 2020

- H. Milton Stewart School of Industrial & Systems Engineering
- M.S. in Statistics

Seoul National University, Seoul, South Korea Mar 2011 - Feb 2013

- Technology Management, Economics and Policy Department, School of Engineering
- M.A. in Engineering Economics

The University of Colorado at Boulder, Boulder, CO August 2005 - June 2008

- B.A. in Economics

RESEARCH INTERESTS

- Sociology and Organization of Science
- Science of Science
- Computational History of Science and Inventions
- Organization Theory

RESEARCH METHODS

- Advanced Statistical Methods
- Computational Social Science
- Ethnography

PROFESSIONAL EXPERIENCE

KAIST, Daejeon, South Korea August 2023 - Present

- Graduate School of Science and Technology Policy
- Assistant Professor (tenure-track)

Northwestern University, Evanston, IL, USA June 2022 - August 2023

- Center of Science of Science and Innovation, Kellogg School of Management
- Post-doctoral Research Fellow

Georgia Institute of Technology, Atlanta, GA, USA August 2016 - May 2022

- School of Public Policy
- Graduate Research Assistant

TEACHING EXPERIENCE

STP 617 Science of Science Policy (at KAIST)	Spring 2025
STP 310 Policy Design and Practice (at KAIST)	Fall 2024
STP 504 Research Organizations (at KAIST)	Spring 2024
STP 601 Survey in Science, Technology, and Public Policy (at KAIST)	Fall 2023/2024
PUBP 6012 “Fundamentals of the Policy Process” (at Georgia Tech)	Spring 2022
PUBP 8803 “Bibliometrics, Citation Analysis & Tech Mining” (at Georgia Tech)	Fall 2019

PEER-REVIEWED PUBLICATIONS

Woo, S., Walsh, J.P. 2024 “On the Shoulders of Fallen Giants: What do references to retracted research tell us about citation behaviors?” *Quantitative Science Studies*

Kim, Y. H., Lee, Y. N., & Woo, S. 2023. “The rocky road to translational science: An analysis of Clinical and Translational Science Awards” *Research Evaluation*

Woo, S., Youtie, J., Ott, I., Scheu, F. 2021 “Understanding the Long-Term Emergence of Autonomous Vehicles Technologies” *Technological Forecasting and Social Change*

Youtie, J., Kwon, S. and Woo, S. 2021. The Impact of I-Corps on Accelerating Venture Discontinuation in a Southeastern US University. *Science and Public Policy*.

Kolesnikov, S., Woo, S., Li, Y., Shapira, P., & Youtie, J. 2019. Mapping the emergence of international university research ventures. *The Journal of Technology Transfer*

Woo, S., Jang, P., & Kim, Y. 2015. Effects of intellectual property rights and patented knowledge in innovation and industry value added: A multinational empirical analysis of different industries. *Technovation*

WORKING PAPERS

“Reproduction of Scientists” [Download Paper](#) (with Sotaro Shibayama)

“The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data” [Download Paper](#) (with John Walsh)

“Changing Gender Inequality in the Bureaucratized Scientific Work” [Download Paper](#) (with You-Na Lee)

CONFERENCES, WORKSHOPS AND INVITED TALKS

Seokkyun Woo “Understanding scientific work through “failures” in production, consumption, and careers in science”, Metrics 2022: Workshop on Informetric and Scientometric Research (SIG/MET) Program, 8th October 2022 (Invited Talk)

Seokkyun Woo, John Walsh “The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data”, American Sociological Association Annual Meeting at Los Angeles, CA, 7th August 2022 (Oral Presentation)

Seokkyun Woo, John Walsh “On the Shoulders of Fallen Giants: What do post-retraction citations tell us about the citation behavior, cumulative advantage, and misinformation in science”, The 15th Workshop on the Organisation, Economics and Policy of Scientific Research at Leuven, Belgium, 7th – 8th April 2022 (Oral Presentation)

Seokkyun Woo, John Walsh “The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data”, Special session on DMREF collaborations at National Academies of Science, 21st February 2022 (Invited Talk)

Seokkyun Woo, John Walsh “The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data”, Sociology of Science Workshop, Berlin, Germany, 23rd February 2022 (Virtual Presentation)

Seokkyun Woo, John Walsh “The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data”, 4S 21 at Toronto, Canada, 6th – 9th October 2021 (Virtual Presentation)

Seokkyun Woo, John Walsh “The Cycle of Doubt: How Scientists Cope with Uncertainties in Production of Data”, Workshop on Original Policy Research at Atlanta, USA, 2nd September 2021 (Virtual Presentation)

Seokkyun Woo, Stasa Milojevic, Filippo Radicchi, John Walsh “Gender and Attrition in Science”, Workshop on Original Policy Research at Atlanta, USA, 2nd October 2020 (Virtual Presentation)

Yin Li and **Seokkyun Woo**, “How Humor Drives Science: Ig Nobel Prizes and Direction of Research”, The 14th Workshop on the Organisation, Economics and Policy of Scientific Research at Munich, Germany, 9th – 10th July 2020 (Virtual Presentation)

Seokkyun Woo, “On the Shoulders of Fallen Giants: Empirical Analysis of Post-retraction Citations”, APPAM 19 at Denver, USA, 6th – 9th June 2019 (Poster Presentation)

Seokkyun Woo, “On the Shoulders of Fallen Giants: Empirical Analysis of Post-retraction Citations”, 7th Atlanta Conference on Science and Innovation Policy, Atlanta, 14th – 16th October 2019 (Oral Presentation)

Seokkyun Woo, “On the Shoulders of Fallen Giants: Empirical Analysis of Post-retraction Citations”, 4S 19 at New Orleans, USA, 4th – 7th June 2019 (Oral Presentation)

Seokkyun Woo and Yin Li, “The Role of Curiosity in Science: Evidence from Ig Noble Prizes”, 17th Schumpeter Conference, Korea, 2nd – 4th July 2018 (Oral Presentation) (**Best Young Scholar Award**)

Seokkyun Woo and Yin Li, “The Role of Curiosity in Science: Evidence from Ig Noble Prizes”, DRUID 18 at Copenhagen, Denmark, 11th – 13th June 2018 (Oral Presentation)

Seokkyun Woo and Yin Li, “Does Humor Advance Science? Evidence from Ig Nobel Prizes”, 6th Atlanta Conference on Science and Innovation Policy, Atlanta, 9th – 11th October 2017 (Oral Presentation)

Seokkyun Woo, Sergey Kolesnikov, Yin Li, Phil Shapira and Jan Youtie, “International University Research Ventures (IURV) Findings from U.S. Universities”, DRUID 17 at New York Conference, New York, 12th – 14th June 2017 (Oral Presentation)

GRANTS AND AWARDS

- Outstanding Young Researcher Program, NRF of Korea (2026–2031) March 2026
- Best Presentation Award, IIR Innovation Research Workshop 2024. August 2024
- Best Young Scholar Award, 17th Conference of the International Schumpeter Society. July 2018
- Fellowship from the Science and Technology Policy Institute (STEPI) January 2017

TECHINICAL SKILLS AND LANGUAGE

- Computational Tools: Python, R, MATLAB, SQL, STATA
- Language: English (fluent), Korean (fluent)

EDITORIAL ROLE

- Associate Editor, *Science Advances* 2025 –
- Editorial Board Member, *Research Evaluation* 2018 –

REFERENCES

John P. Walsh
Professor, School of Public Policy Georgia Institute of Technology
Email: john.walsh@pubpolicy.gatech.edu

Dashun Wang
Professor, Kellogg School of Management
Director, Center for Science of Science and Innovation (CSSI) Northwestern University
Email: dashun.wang@kellogg.northwestern.edu

Cassidy R. Sugimoto
Professor, School of Public Policy
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