

Namil Kim

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ACADEMIC POSITIONS

Harbin Institute of Technology Associate Professor at Department of Strategy and Innovation, School of Management	<i>2019-present</i>
KAIST Senior Researcher at School of Business and Technology Management, College of Business	<i>2016-2019</i>

EDUCATION

KAIST Ph.D. at School of Business and Technology Management, College of Business	<i>2016</i>
Tuck School of Business at Dartmouth College Visiting Scholar	<i>2015-2016</i>
Rheinische Friedrich-Wilhelms-Universität Bonn Master of Science	<i>2010</i>
University of Toronto Bachelor of Commerce	<i>2008</i>

RESEARCH INTERESTS

Economics of Digitization and Artificial Intelligence
Innovation
Entrepreneurship
Industry Dynamics and Market Structure

WORKING PAPERS

- [1] **“How Does AI Improve Human Decision-Making? Evidence from the AI-Powered Go Program”** (with Sukwoong Choi, Junsik Kim and Hyo Kang) *First revision invited*
 - **Award:** Winner for the Best Interdisciplinary Paper Award Strategic Human Capital in the SMS 2021
 - **Media Cover:** MIT IDE Blog, State of AI Report 2021, The Chosun Ilbo (Leading Korean Daily Newspaper)
 - **Presented:** 2021 NBER Economics of Artificial Intelligence Conference; 2021 MIT IDE Fall Seminar; 2021 Conference on Artificial Intelligence, Machine Learning, and Business Analytics; 2022 3rd AI and Strategy Consortium; 2022 IP and Innovation (IPI) Seminar; 2022 Wharton Technology and Innovation Conference; 2022 the 1st Wharton/Columbia Management, Analytics, and Data (MAD) Conference
- [2] **“Climate risk and national climate change adaptation innovation rates: the role of institutional context”** (with Mirko Benischke, Hyungseok Yoon, Peter Tashman and Jonathan Doh) *Second revision invited*

- [3] **“Anti-Labor Environments and Employee Entrepreneurship: Evidence from Right-To-Work Laws”** (with Daehyun Kim and Haemin Dennis Park) *First revision invited*
- [4] **“Connecting the dots between democracy and innovation: The role of pro-market institutions and information processing”** (with Hyungseok Yoon and Christopher Boudreaux) *First revision invited*

WORK-IN-PROGRESS

- [1] **“Standing on the Shoulders of AI? Knowledge Creation by Learning from AI”** (with Sukwoong Choi and Hyo Kang) *Data Analysis*
- [2] **“How Does AI Improve Human Collaboration and Performance? Evidence from AI-powered X-ray Triage in University Hospitals”** (with Sukwoong Choi and Hyo Kang) *Data Collection After Passing IRB Review*
 - **Grant:** Co-principal investigator, USC Marshall Institute for Outlier Research in Business Grant Program, “How Does AI Improve Human Decision-Making and Performance? Evidence from AI-powered X-ray Triage in University Hospitals” (with Hyo Kang and Sukwoong Choi) (2022-2023) (\$19,400)

SELECTED PUBLICATIONS

- [1] **“Dynamic Patterns of Industry Convergence: Evidence from a Large Amount of Unstructured Data”** (with Hyeokseong Lee, Wonjoon Kim, Hyunjong Lee and Jong Hwan Suh) (2015) *Research Policy*
- [2] **“The Effect of Patent Protection on Firms’ Market Value: The Case of the Renewable Energy Sector”** (with Daehyun Kim and Wonjoon Kim) (2018) *Renewable and Sustainable Energy Reviews*
- [3] **“Do Your Social Media Lead You to Make Social Deal Purchases? Consumer-Generated Social Referrals for Sales via Social Commerce”** (with Wonjoon Kim) (2018) *International Journal of Information Management*
- [4] **“A cross-national study of knowledge, government intervention, and innovative nascent entrepreneurship”** (with Hyungseok Yoon, Bernard Buisson and Fred Phillips) (2018) *Journal of Business Research*
 - **Media Cover:** Harvard Business Review France
- [5] **“Concentrate or disperse? The relationship between major customer concentration and supplier profitability and the moderating role of insider ownership”** (with Kiho Kwak) (2020) *Journal of Business Research*
- [6] **“International Alliance Formations: The Role of Brokerage in Technology Competition Networks”** (with Sukwoong Choi, and Wonjoon Kim) (2022) *Journal of Business Research*
- [7] **“Industrial Leadership Changes without Technological Discontinuity: Modularization, Institution-Led Market Discontinuity, and Market Development Strategy”** (with Kiho Kwak) (2022) *Technological Forecasting and Social Change*

ACADEMIC HONORS

- [1] Winner, Best Interdisciplinary Paper Award (Strategic Human Capital IG), SMS Conference (2021)
- [2] Fellowship for Social Science Korea - All but Dissertation (2015-2016) (\$22,000): National Research Funding (NRF) of Korea

RESEARCH PROJECT EXPERIENCES

- [1] **How Does AI Improve Human Decision-Making and Performance? Evidence from AI-powered X-ray Triage in University Hospitals** (with Hyo Kang and Sukwoong Choi), (\$19,400)
USC Marshall Institute for Outlier Research in Business Grant Program 2022-2023
Co-principal Investigator

- [2] **The role of technological advance and innovation in a digitized and globalized modern society**, (\$30,000)
Harbin Institute of Technology 2020-2022
Principal Investigator

- [3] **Technology Innovation and Industry Future Strategy for Sustainable and Balanced Economic Growth**,
Korea National Research Foundation of Korea 2016-2018
Associate Researcher

- [4] **Research on the Global Innovation and Production Network and the Sustainable Industrial Ecosystem of Korea**,
Korea National Research Foundation of Korea 2012-2015
Research Assistant

- [5] **Social Big Data Science Research Team**,
Korea National Research Foundation of Korea 2013-2014
Research Assistant

- [6] **Identification of Diffusion Patterns on Social Interests via Network Analysis**,
KAIST 2013
Research Assistant

- [7] **Network Patterns of Patent-centric Technological Knowledge and Innovation Strategy for a Mobile Industry**,
Korea Institute of Intellectual Property 2012
Research Assistant

- [8] **Research of Mediation Route and Mediation Factor on Multiple Divide**,
Korea National Research Foundation 2011-2012
Research Assistant