Namil Kim

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ACADEMIC POSITIONS

Harbin Institute of Technology   *2019-present*
Associate Professor at Department of Strategy and Innovation, School of Management

KAIST   *2016-2019*
Senior Researcher at School of Business and Technology Management, College of Business

EDUCATION

KAIST   *2016*
Ph.D. at School of Business and Technology Management, College of Business

Tuck School of Business at Dartmouth College   *2015-2016*
Visiting Scholar

Rheinische Friedrich-Wilhelms-Universität Bonn   *2010*
Master of Science

University of Toronto   *2008*
Bachelor of Commerce

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) *First revision invited*

[3] **"Anti-Labor Environments and Employee Entrepreneurship: Evidence from Right-To-Work Laws"** (with Daehyun Kim and Haemin Dennis Park)

[4] **"Connecting the dots between democracy and innovation: The role of pro-market institutions and information processing"** (with Hyungseok Yoon and Christopher Boudreaux)

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