

# SUKWOONG CHOI

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## ACADEMIC APPOINTMENTS

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**Massachusetts Institute of Technology**

Cambridge, MA, July 2021 - Present

Sloan School of Management

Initiative on the Digital Economy (IDE)

Computer Science & Artificial Intelligence Laboratory (CSAIL)

Postdoctoral Scholar

**University of Southern California**

Los Angeles, CA, July 2020 - July 2021

Viterbi School of Engineering

Technology Innovation and Entrepreneurship

Postdoctoral Scholar

**University of Kentucky**

Lexington, KY, July 2019 - June 2020

Gatton College of Business and Economics

Department of Management

Postdoctoral Scholar

## RESEARCH INTERESTS

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[1] Research Topics: Innovation, Digitization, Artificial Intelligence (AI), Entrepreneurship

[2] Methodologies: Econometrics, Big-Data Analysis, Machine Learning, Social Network Analysis

## EDUCATION

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**KAIST (Korea Advanced Institute of Science and Technology)**

Daejeon, Korea, June 2019

Ph.D., School of Business and Technology Management, College of Business

**Northwestern University**

Evanston, IL, Jan 2019 - Mar 2019

Kellogg School of Management, Management of Organizations (MORS)

Visiting Ph.D. Student (Sponsored by Professor Hyejin Youn)

**University of California, Berkeley**

Berkeley, CA, Jan 2018 - June 2019

Haas School of Business, Management of Organizations (MORS)

Visiting Ph.D. Student (Sponsored by National Research Foundation of Korea)

**KAIST (Korea Advanced Institute of Science and Technology)**

Daejeon, Korea, Feb 2012

B.S. Mathematical Science, B.E. Management Science

## REFEREED JOURNAL ARTICLES

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“International Alliance Formation: The Effect of Technology Competition Networks” (with N. Kim and W. Kim)

*Journal of Business Research* (SSCI), Accepted

“Are Social Entrepreneurs More Risk-Averse?” (with N. Kim and W. Kim)

*Applied Economics Letters* (SSCI), 2019

**“An Empirical Study on Successful Crowdfunding”** (with D. Lee, J. Kim and W. Kim)

*Asia-Pacific Journal of Business Venturing and Entrepreneurship* (KCI), 2017 (written in Korean / Winner of the Best Paper Award)

## WORKING PAPERS AND PROJECTS

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[1] How Does AI Improve Human Decision-Making? Evidence from the AI-Powered Go Program (with J. Kim, N. Kim, and H. Kang) (Preparation to Submit)

- 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)

[2] When Does AI Payoff?: AI Adoption Intensity, Complementary Investments, and R&D Strategy (with T. Kim, W. Kim, and Y. Lee (*Equally contributed*)) (Under Review)

[3] It ain't over 'til it's over: Post-IPO VC ownership effect on innovation-enhancing investment of newly public firms (with T. Kim and H. Woo) (Under Review)

[4] The Dynamics of Entrepreneurship Research: A Topic Modeling Analysis and Research Agenda (with W. Kim and K. Lee) (Preparation to Submit)

[5] Stay the Course? The Effects of Government Matching R&D Funding on Tech Startups (with Y. Lee, T. Kim, and W. Kim) (Working Paper)

## INVITED PRESENTATIONS, CONFERENCES, AND ACADEMIC PROGRAMS

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**2022-** (includes scheduled): Yonsei University; 3rd AI and Strategy Consortium; IP and Innovation (IPI) Seminar; *Cancelled due to Covid-19: 15th Digital Economics Conference (Toulouse, France)*

**2020-2021:** NBER Economics of Artificial Intelligence Conference; AOM Annual Meetings; SMS Annual Conference; MIT Inner Seminar; Doctoral Student Workshop on Economics of Artificial Intelligence; MIT IDE Fall Seminar; Conference on Artificial Intelligence, Machine Learning, and Business Analytics; *Could not attend due to Covid-19: DRUID (Copenhagen, Denmark)*

**2019-2020 & before:** AOM Annual Meetings (2020, 2017); SMS Annual Conference (2019, 2017); University of Kentucky Colloquium (2019); NBER Entrepreneurship Bootcamp (2018); STR Managing Your Dissertation Workshop (2018); INSEAD Doriot Entrepreneurship Conference (Poster, 2018); TIM Doctoral Student Consortium (2017); MIS summer program at Harbin Institute of Technology (2017); KAIST College of Business Colloquium (2017)

## HONORS, GRANTS, AND FELLOWSHIPS

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[1] Winner, Best Interdisciplinary Paper Award (Strategic Human Capital IG), SMS Conference (2021)

[2] Kauffman Foundation Entrepreneurship Research to Practice Bootcamp (2020) (\$3,000) *Cancelled due to Covid-19*

[3] NBER Grant for Summer Entrepreneurship Boot Camp (2018) (\$1,000)

[4] National Research Funding (NRF) of Korea Fellowship for Social Science Korea - All but Dissertation (2017) (\$22,000)

[5] Winner, Best Paper Award, Asia-Pacific Journal of Business Venturing and Entrepreneurship (2017)

[6] KAIST, College of Business Graduate Fellowships (2012-2016)

## TEACHING EXPERIENCE

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Managing Social and Organizational Networks (**Undergraduate Course Instructor at Gatton B-School**) Spring 2020, Rating 4.2/5  
Social Dynamics and Network Analysis (**MBA Course TA at Kellogg B-School**) Winter 2019  
Innovation and Technology Management (Graduate Course TA) Spring 2016, Fall 2016  
Econometrics (Undergraduate Course TA) Spring 2015, Fall 2015  
Organization Theory (Graduate Course TA) Spring 2014  
Research Methodology I (Graduate Course TA) Spring 2013, Fall 2013

## OTHERS

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### Research Assistantship

RA for Abhishek Nagaraj, Assistant Professor of UC Berkeley, Mar. 2018 - Dec. 2018  
Project Name: Improving data access democratizes and diversifies science. Published at Proceedings of the National Academy of Sciences (PNAS, Nagaraj, A., Shears, E., & de Vaan, M. (2020)).

### Programming

Languages: R, Python, Java  
Statistical packages: Stata  
Network Analysis: iGraph (R/Python), NetworkX (Python), UCINET, Gephi

### Academic Service

Peer-Review Referee: Journal of Business Venturing, Journal of Strategy and Management, Applied Economics Letters  
Academy of Management, TIM Reviewer 2016-2021  
Academy of Management, STR Reviewer 2016-2021

### Military Service

Serving a military service at KAIST as the Technical Research Personnel during 3 years (2014-2016)

## REFERENCES

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Neil Thompson (PI), Initiative on the Digital Economy, MIT, neil.t@mit.edu  
Abhishek Nagaraj, Haas School of Business, UC Berkeley, nagaraj@berkeley.edu  
Hyo Kang, Marshall School of Business, University of Southern California, hyokang@marshall.usc.edu  
Yong Suk Lee, Technology, Economy, and Global Affairs, University of Notre Dame, yong.s.lee@nd.edu  
Namil Kim, School of Management, Harbin Institute of Technology, namil.kim@hit.edu.cn

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