HYUNWOO PARK

Professor, Graduate School of Data Science, Seoul National University
43-505, 1 Gwanak-ro, Gwanak-gu, Seoul 08826, South Korea
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Last updated: October 21, 2026

EXPERIENCE

Seoul National University, Seoul, South Korea
- Professor, Graduate School of Data Science, 2026 – Present
- Associate Professor, Graduate School of Data Science, 2021 – 2026
- Associate Dean for Academic Affairs, Graduate School of Data Science, 2023 – 2025
- (Interim) Associate Dean for Student Affairs, Graduate School of Data Science, 2023 – 2024

The Ohio State University, Columbus, OH, USA
- Assistant Professor in Management Sciences, Fisher College of Business, 2017 – 2021
- Core Faculty, Translational Data Analytics Institute, 2017 – 2021

Georgia Institute of Technology, Atlanta, GA, USA
- Postdoctoral Fellow, Tennenbaum Institute, 2015 – 2017

EDUCATION

Georgia Institute of Technology, Atlanta, GA, USA
- Ph.D. in Industrial Engineering (Minor in Economics), 2015
- Dissertation: "Computational Analysis for Technological Innovation in Complex Enterprise Systems"
- Committee:
  - Co-chairs: William B. Rouse, Rahul C. Basole
  - Members: Leon F. McGinnis, Nicoleta Serban, Raul O. Chao (external; UVA Darden)

University of California, Berkeley, CA, USA
- Master of Information Management and Systems (Management of Technology Certificate), 2010

Seoul National University, Seoul, South Korea
- B.S. in Electrical Engineering (*summa cum laude*), 2008

SELECTED PUBLICATIONS

Journal Lists: UTD24 | FT50 | ABS

(* denotes equal contribution among authors. For the full publication list, visit https://hyunwoopark.com.)

[J42] **Park H**, Lee J. 2026. An (almost) free lunch? Symbolic recognition and knowledge-sharing behavior in online communities. *Research Policy*, 55(10), no. 105586 [Link] FT50 ABS4*

[J41] Kim M, Zhao Y, Ju J, Seo J, **Park H**. 2026. InteractiveKG: Transparent and user-controllable knowledge graph reasoning. *Information Visualization*, 25(3), pp.310-332 [Link]

[J38] Wang Y, Ball G, Anand G, **Park H**. 2025. Obligatory responses to FDA inspection outcomes and future drug shortages. *Manufacturing & Service Operations Management*, 27(3), pp.789-807 [Link] UTD24 FT50 ABS3

[J37] Noh IJ, Gray J, Ball GP, Wright Z, **Park H**. 2025. Are All Generic Drugs Created Equal? An Empirical Analysis of Generic Drug Manufacturing Location and Serious Drug Adverse Events. *Production and Operations Management*, 34(9), pp.2601-2617 [Link] UTD24 FT50 ABS4

[J36] Heo S, Son S, **Park H**. 2025. HaluCheck: Explainable and verifiable automation for detecting hallucinations in LLM responses. *Expert Systems with Applications*, 272, 126712 [Link] ABS

[J35] Kim Y, **Park H**. 2025. Theorizing Critical Locus of Supply: A Material Flow Perspective. *Journal of Supply Chain Management*, 61(4), pp.134-164 [Link] ABS4

[J32] Ball GP, Bavafa H, Blanco CC, **Park H**, Wowak KD. 2025. Gender and Serious Drug Recalls: A Textual Sentiment Analysis of Drug Reviews on WebMD. *Production and Operations Management*, 34(4), pp.698-710 [Link] UTD24 FT50 ABS4

[J31] Basole RC, **Park H**, Seuss CD. 2024. Complex Business Ecosystem Intelligence Using AI-Powered Visual Analytics. *Decision Support Systems*, 178, 114133 [Link] ABS3

[J28] Lee J, Jung HJ, **Park H**. 2023. Rare is Beautiful? Rareness, Technology Value, and the Moderating Role of Search Domain and Knowledge Maturity. *Production and Operations Management*, 32(4), pp.1019-1040 [Link] UTD24 FT50 ABS4

[J26] **Park H**, Blanco CC, Bendoly E. 2022. Vessel Sharing and its Impact on Maritime Operations and Carbon Emissions. *Production and Operations Management*, 31(7), pp.2925-2942 [Link] UTD24 FT50 ABS4

[J25] Chopra S, **Park H**, Shim S. 2022. Extended Graph Formulation for the Inequity Aversion Pricing Problem on Social Networks. *INFORMS Journal on Computing*, 34(3), pp.1327-1344 [Link] UTD24 ABS3

[J24] Lee J, **Park H**, Zaggl M. 2022. When to Signal? Contingencies for Career-Motivated Contributions in Online Collaboration Communities. *Journal of the Association for Information Systems*, 23(6), pp.1386-1419 [Link] ABS4*

[J23] **Park H**. 2022. [Book Review] A History of Data Visualization and Graphic Communication. *Journal of the American Statistical Association*, 117(539), pp.1601-1603 [Link] ABS4

[J20] Basole RC, **Park H**. 2019. Interfirm Collaboration and Firm Value in Software Ecosystems: Evidence from Cloud Computing. *IEEE Transactions on Engineering Management*, 66(3), pp.368-380 [Link] ABS3

[J19] Basole RC, **Park H**, Chao RO. 2019. Visual Analysis of Venture Similarity in Entrepreneurial Ecosystems. *IEEE Transactions on Engineering Management*, 66(4), pp.568-582 [Link] ABS3

[J18] **Park H**, Bellamy MA, Basole RC. 2018. Structural Anatomy and Evolution of Supply Chain Alliance Networks: A Multi-Method Approach. *Journal of Operations Management*, 63, pp.79-96 [Link] UTD24 FT50 ABS4*

[J17] Park BS, **Park H**, Ramanujam R. 2018. *Tua Culpa*: When an Organization Blames its Partner for Failure in a Shared Task. *Academy of Management Review*, 43(4), pp.792-811 [Link] UTD24 FT50 ABS4*

[J16] Basole RC, Srinivasan A, **Park H**, Patel S. 2018. ecoxight: Discovery, Exploration, and Analysis of Business Ecosystems using Interactive Visualization. *ACM Transactions on Management Information Systems*, 9(2), no. 6 [Link]

[J14] Srinivasan A, **Park H**, Endert A, Basole RC. 2018. Graphiti: Interactive Specification of Attribute-based Edges for Network Modeling and Visualization. *IEEE Transactions on Visualization and Computer Graphics*, 24(1), pp.226-235 [Link] TOP CS

[J13] Kim B-C, Lee J, **Park H**. 2017. Two-Sided Platform Competition with Multihoming Agents: An Empirical Study on the Daily Deals Market. *Information Economics and Policy*, 41, pp.36-53 [Link] ABS

[J12] Basole RC*, Bellamy MA*, **Park H***. 2017. Visualization of Innovation in Global Supply Chain Networks. *Decision Sciences*, 48(2), pp.288-306 [Link] ABS3

[J11] **Park H**, Bellamy MA, Basole RC. 2016. Visual Analytics for Supply Network Management: System Design and Evaluation. *Decision Support Systems*, 91, pp.89-102 [Link] [Live Demo] ABS3

[J10] **Park H***, Basole RC*. 2016. Bicentric Diagrams: Design and Applications of a Graph-Based Relational Set Visualization Technique. *Decision Support Systems*, 84, pp.64-77 [Link] [Live Demo] ABS3

[J9] Basole RC, Bellamy MA, **Park H**, Putrevu J. 2016. Computational Analysis and Visualization of Global Supply Network Risks. *IEEE Transactions on Industrial Informatics*, 12(3), pp.1206-1213 [Link]

[J8] **Park H**, Lee J, Kim BC. 2015. Project Selection in NIH: A Natural Experiment from ARRA. *Research Policy*, 44(6), pp.1145-1159 [Link] FT50 ABS4*

[J7] Basole RC, Braunstein ML, Kumar V, **Park H**, Kahng M, Chau DHP, Tamersoy A, Hirsh DA, Serban N, Bost J, Lesnick B, Schissel BL, Thompson M. 2015. Understanding Variations in Pediatric Asthma Care Processes in the Emergency Department using Visual Analytics. *Journal of the American Medical Informatics Association (JAMIA)*, 22(2), pp.318-323 [Link]

[J6] Basole RC, Russell MG, Huhtamäki J, Rubens N, Still K, **Park H**. 2015. Understanding Business Ecosystem Dynamics: A Data-Driven Approach. *ACM Transactions on Management Information Systems*, 6(2), no. 6 [Link]

[J5] Basole RC, Qamar A, **Park H**, Paredis CJJ, McGinnis LF. 2015. Visual Analytics for Early-Phase Complex Engineered System Design Support. *IEEE Computer Graphics and Applications*, 35(2), pp.41-51 [Link]

[J4] Basole RC, **Park H**, Barnett BC. 2015. Coopetition and Convergence in the ICT Ecosystem. *Telecommunications Policy*, 39(7), pp.537-552 [Link] ABS

[J1] **Park H**, Clear T, Rouse WB, Basole RC, Braunstein ML, Brigham KL, Cunningham L. 2012. Multilevel Simulations of Health Delivery Systems: A Prospective Tool for Policy, Strategy, Planning, and Management. *Service Science*, 4(3), pp.253-268 [Link] ABS

Selected Conference Contributions

(Includes conference papers, Findings, workshops, short papers, and posters. Formats are identified in each entry.)

[C32] Kim M, Hwang J, **Park H**. 2026. What Gets Measured Gets Managed: Sign-aware Recommendation Needs Sign-aware Evaluation. *NeurIPS 2026 Evaluations & Datasets Track* (Accepted) [Link]

[C31] Lee D, **Park H**. 2026. Market Signal Injection: Adversarial Context Manipulation of LLM Pricing Agents. *EMNLP 2026 Workshop on FinNLP* (Accepted) [Link]

[C30] Kim J, Lee D, Jang J, Shim J, **Park H**. 2026. From Text to Structure: The PACKaGE Benchmark for Bidirectional Causal Reasoning in Paragraphs and Graphs. *EMNLP 2026* (Accepted)

[C29] Lee D, **Park H**. 2026. Faithful yet Collusive: Why Chain-of-Thought Monitoring Cannot Detect Collusion in LLM Pricing Agents under Oligopolistic Competition. *Findings of EMNLP 2026* (Accepted) [Link]

[C28] Kim J, Lee H, Jang J, Park Y, **Park H**. 2026. Event-Driven Causal Discovery for Root Cause Analysis in Semiconductor Fabrication Data Center. *IEEE ICDM 2026* (Accepted)

[C27] Jang J, Seo J, Ju J, **Park H**. 2026. Great Grave: Modeling Versioned Context Units for Longitudinal LLM Interaction. *ACM UIST 2026* (Accepted) [Live Demo]

[C26] Bae S, **Park H**. 2026. Diagnosing Failure Modes in MCP Tool-Using Agents: A Stage-Aware Taxonomy and Evidence-Gap Interventions. *ICML 2026 Workshop on FAGEN (Poster)* [Link]

[C25] Bae S, Hwang Y, Lee G, Seo J, Lee D, **Park H**. 2026. AISFlow: Boundary-Informed Flow Matching for Long-Term AIS Trajectory Imputation. *ICML 2026 Workshop on AI for Science* [Link]

[C24] Hwang Y, Kwon J, Lee G, **Park H**. 2026. Domain-Prior-Regularized Graph Modeling for Anomaly Detection in Cyber-Physical Systems. *ICML 2026 Workshop on AI for Science* [Link]

[C23] Hwang Y, Bae S, Lee D, Seo J, Kim J, Lee W, **Park H**. 2026. Redefining Maritime Anomaly Detection via Equation-Grounded Synthetic Anomalies. *ACM KDD 2026 (Oral)* [Link]

[C21] Lee D, **Park H**. 2026. To Stay or to Leave? Prolonged Pendency and Inventor Enthusiasm. *Academy of Management Proceedings (Poster)* [Link]

[C19] Jang J, Seo J, **Park H**. 2026. Great Grave: Modeling Versioned Context Units for Longitudinal LLM Interaction. *CHI 2026 Workshop on Human-Agent Collaboration*

[C18] Jang J, Ju J, Lee D, Seo J, **Park H**. 2026. Learning with AI, Not Just Using AI: A Human-in-the-Loop Curriculum for Critical Literacy. *CHI 2026 Workshop on Understanding and Engaging Critical Resistance to AI in Education*

[C17] Ju J, Seo J, Jang J, Lee D, **Park H**. 2026. When Users Don't Specify: How LLMs Make Design Decisions in Underspecified Data Visualization Contexts. *IEEE PacificVis 2026 (VisNote)* [Link]

[C16] Lee D, Ju J, Song H, **Park H**. 2026. From Ballpark to Society: Understanding Stakeholders' Adaptation to Automated Judgment via ABS in Baseball. *ACM CHI 2026* [Link]

[C15] Kim J, Hwang Y, Kim M, Bae S, **Park H**. 2025. Spatio-Temporal Graphs Beyond Grids: Benchmark for Maritime Anomaly Detection. *NeurIPS 2025 Workshop on AI for Science* [Link] Best Poster

[C14] Deshmane A, **Park H**, Rahmani M. 2025. From Paychecks to Well-Being: Unpacking Drivers of Employee Turnover at Scale. *INFORMS MSOM 2025*

[C11] Kim J, Kim M, Ju J, Hwang Y, Lee W, **Park H**. 2025. Adaptive Sparsified Graph Learning Framework for Vessel Behavior Anomalies. *AAAI 2025 Workshop on Anomaly Detection in Scientific Domains* [Link]

[C9] Choi Y, **Park H**. 2024. A Long-term, Geospatial-based Approach for Location Suitability Evaluation of Flood Relief Camps Considering Climate Change. *INFORMS MSOM 2024*

[C8] Choi Y, Kim Y, Lee CG, Park JJ, **Park H**. 2024. Revelio: A Lifelog Visualization System with Google My Activity. *IEEE PacificVis 2024* Best Poster

[C6] Lee J, Jung HJ, **Park H**. 2020. Rare is Beautiful? Rare Technological Resources and Value Implications. *Academy of Management Best Paper Proceedings* [Link] Best Paper Finalist

[C2] **Park H**, Lee J. 2015. An (Almost) Free Lunch? Social Recognition and Knowledge Sharing Behavior in a Virtual Community. *Academy of Management Best Paper Proceedings* [Link] Best Student Paper

Selected Working Papers

[W2] Lee D, **Park H**. 2026. R&D Tax Credits and Knowledge Spillovers: Causal Inference Under Network Interference. *Working paper*. (Winner, SMS Research Methods Paper Prize, 2026)

[W1] Kwon HY, Lee JM, **Park H**, Youn H. 2026. Revisiting Industry Adjacency. *Working paper*.

Book Chapters and Technical Reports

- Ghemawat P, Altman SA. *DHL Global Connectedness Index 2014*. November 2014 (Chapter II: Visualizing Global Connectedness)
- Glushko RJ. *Discipline of Organizing*. MIT Press. May 2013 (Chapter 9: Interactions with Resources)
- Dai JG, **Park H**. *Stochastic Manufacturing and Service Systems*. (Unpublished lecture notes)

Awards, Grants, and Honors

Awards and Honors

- **Research Methods Paper Prize (with Dohun Lee)**, *Strategic Management Society 46th Annual Conference*, 2026
- **Distinguished Service Award**, *INFORMS Technology, Innovation Management and Entrepreneurship Section (TIMES)*, 2025
- Meritorious Reviewer Award, *INFORMS Journal on Computing*, 2025
- SNU Grand Quest Competition Award, *Seoul National University*, 2026
- **Elected Member, Policy Studies Division**, *Young Korean Academy of Science and Technology (Y-KAST)*, 2024 – Present
- **Best Paper Award Finalist**, *Academy of Management Operations & Supply Chain Management (OSCM) Division*, 2020
- **Best Dissertation Award Runner-up**, *INFORMS Technology, Innovation Management and Entrepreneurship Section (TIMES)*, 2017
- **Best Paper Award Winner**, *Academy of Management Organizational Communication & Information Systems (OCIS) Division*, 2017
- Honorable Mention, *13th Places & Spaces: Mapping Science*, 2017
- **Best Student Paper Award Winner**, *Academy of Management Technology & Innovation Management (TIM) Division*, 2015
- Dr. James R. Chen Award (Best Master's project in one of three tracks), *School of Information, UC Berkeley*, 2010
- Excellence Award (1st place), Idea Competition, *CEO of Samsung Electronics*, 2005
- Army Commendation Medal, *Department of the United States Army*, 2005

- **Presidential Scholar**, *President of the Republic of Korea*, 2002
- **Gold Medalist**, *33rd International Chemistry Olympiad*, 2001

Fellowships

- Tennenbaum Institute Fellow, *Georgia Institute of Technology*, 2010-2017
- McLean Fellowship, *Georgia Institute of Technology*, 2013-2015
- Doctoral Fellow, *Systems Engineering Research Center*, 2014
- George Fellowship, Health Systems Institute, *Georgia Institute of Technology*, 2012
- John Morris Fellowship, *School of Industrial and Systems Engineering, Georgia Institute of Technology*, 2010-2012
- Doctoral Fellowship, *Korea Foundation for Advanced Studies*, 2010-2015
- Overseas Study Scholarship, *Samsung Foundation*, 2008-2010
- Undergraduate Fellowship, *Korea Foundation for Advanced Studies*, 2002-2008

Selected Research Funding

- **Co-PI**, *Korea NRF Human-in-the-Loop AI Decision-Making Algorithm and Policy*, 2025-2028
- **Co-PI**, *Korea NRF Large-scale AI Model and Platform Optimization Center*, 2023-2026
- **PI**, *Korea NRF Emerging Scholar Program*, 2022-2027
- **Co-PI**, *FDA Broad Agency Announcement (BAA): FDA Quality Management and Pharmaceutical Firm Learning to Reduce Drug Quality Risks*, 2019-2021
- **Co-PI**, *U01 Grant from FDA to NIPTE: Manufacturing Sector Research Initiative*, 2018–2019

Teaching Experience

Seoul National University, Graduate School of Data Science

- Past Students
  - Ph.D.: Yunsu Kim (Samsung Electronics)
  - Master's: Byungwoo Kim (SK Hynix), Sejin Kim (National Police Agency), Ji Hong Min (Hanwha Ocean), Jeongjin Park (LG CNS), Sungwook Son (Intel), Seonggu Shin (IBM), Sojeong Yeon, Seungju Lee (Panirois), Chan Gyu Lee (ETRI), Changuk Lee (Hyundai Marine & Fire Insurance), Chansong Lim (Ph.D. Student @ UC Riverside), Yeeun Choi (Ernst & Young), Sangwoo Heo (Naver Future AI Center)
- Current Students: See https://dial.snu.ac.kr/members/
- Selected Student Recognition: Dohun Lee: PhD Paper Prize runner-up, Knowledge & Innovation Interest Group, Strategic Management Society, 2026
- Courses
  - Special Topics in Data Science: Vibe Coding; AU26 (open textbook: https://oksure.github.io/vibecoding/)
  - Veritas Practice: Data Visualization and Self-Reflection; AU24, SP26
  - Data Visualization for Medical Applications; SP24, SP26
  - Data Analysis and Visualization; AU21, AU22, AU23
  - Computing Foundations for Data Science; AU22, SP23

The Ohio State University, Fisher College of Business

- Advising & Committee
  - In Joon Noh (Fisher), Committee Member, SP20 (Placement: Penn State University)
  - Rahul Pandey (Fisher), Committee Member, SP20 (Placement: University of Memphis)
  - Junpeng Wang (Computer Science), Committee Member, SP19 (Placement: VISA Research)
  - Yingchao Lan (Fisher), Committee Member, SP18 (Placement: University of Nebraska–Lincoln)

- Instructor
  - BM7331 Descriptive Analytics and Visualization; SP19, SP20
  - BM2320 Business Statistics; SP18, SP19, SP20
- Course Development
  - BM7331 Descriptive Analytics and Visualization; AU17–AU18

Georgia Institute of Technology, School of Industrial and Systems Engineering
- Instructor, ISyE 3232 Stochastic Manufacturing and Service Systems (Undergraduate Core Stochastic Course), SU11, Average course evaluation rating: 4.4/5.0
- TA for Prof. Jim Dai, ISyE 3232, SP11

UC Berkeley, School of Information
- TA for Prof. Robert Glushko, INFO 290-1 Information and Service System Design, SP09
- TA for Prof. John Chuang, INFO 206 Distributed Computing Applications and Infrastructure, AU09

PROFESSIONAL SERVICES

Professional Membership
- International
  - Institute of Operations Research and Management Science (INFORMS) – Senior Member
  - Association for Computing Machinery (ACM), Academy of Management (AOM), Decision Sciences Institute (DSI), Institute of Electrical and Electronics Engineers (IEEE), Industry Studies Association (ISA), Production and Operations Management Society (POMS)
- Korean: KASBA (Management), KDMS (Data Mining), KIIE (Industrial Engineering), KMIS (Information Systems), KOPOMS (Operations Management), KORMS (Operations Research and Management Science), KOSIME (Technology Management), KrAIS (Information Systems)

Leadership
- AOM OSCM Regional Ambassador for Asia, 2025 – Present
- INFORMS TIMES Past President, 2025
- INFORMS TIMES President, 2024
- INFORMS TIMES President-Elect, 2023
- INFORMS TIMES VP of Programs, 2022
- INFORMS TIMES VP of Membership and Communications, 2021

Track Chair
- INFORMS Annual Meeting TIME/NPD, 2022
- INFORMS Annual Meeting NPD, 2021

Session Chair
- INFORMS Annual Meeting, 2017, 2019, 2020, 2023
- POMS Annual Meeting, 2016, 2019

Program Committee
- European Conference of Artificial Intelligence (ECAI), 2024-2025
- INFORMS MSOM Conference, 2024
- Pacific Asia Conference on Information Systems (PACIS), 2017

Advisory and Policy

- Government
  - External Expert, AI Advisory Panel, Ministry of Foreign Affairs of Korea, 2025 – Present
  - Deputy Lead, Human Value (TC4), H-PAIR National Research Lab (NRL 2.0), 2026 – Present
- Industry
  - Visiting Professor, SK hynix Visiting Professor Collaboration Program (VPP), 2026
- Academic Leadership (Korea)
  - Board Member, Korean Operations Research and Management Science Society (KORMS), 2025 – Present
  - Board Member, Korea Society for Innovation Management and Economics (KOSIME), 2025 – Present
  - Auditor, Korea Data Mining Society (KDMS), 2025 – Present

University and Department Service

- Seoul National University
  - SNU College Curriculum Revision Subcommittee, 2026-2028
  - University Academic Affairs Committee, 2023-2025
  - University Research Committee, 2023-2024
  - AI-X Curriculum Committee, 2021-2023
  - Samsung Research-SNU Project Committee, 2022
  - Various Graduate School of Data Science Committees, 2021-2025
- The Ohio State University
  - Analytics Curriculum Committee, 2020-2021
  - Faculty Recruiting Committee, 2018

Editorial Review Board

- Decision Sciences Journal (DSJ), 2022 – Present
- Journal of Operations Management (JOM), 2022 – Present

Ad-hoc Reviewer

- **Journals**
  Decision Sciences Journal (DSJ), Decision Support Systems (DSS), European Journal of Operations Research (EJOR), IEEE Transactions on Engineering Management (TEM), IEEE Transactions on Visualization and Computer Graphics (TVCG), Industry and Innovation, Information & Management, INFORMS Journal on Computing (IJOC), International Journal on Human-Computer Interaction (IJHCI), International Journal of Production Research (IJPR), Journal of Business Logistics (JBL), Journal of International Business Studies (JIBS), Journal of Machine Learning Research (JMLR), Journal of Operations Management (JOM), Journal of Technology Transfer (JOTT), Journal of Supply Chain Management (JSCM), Production and Operations Management (POM), Research Policy (RP), Service Science, Strategic Management Journal (SMJ)
- **Conferences**
  Academy of Management Conference (AOM), ACM SIGCHI Conference (CHI), ACM SIGIR Conference (SIGIR), Decision Sciences Institute (DSI), Hawaii International Conference on System Sciences (HICSS), International Conference on Learning Representations (ICLR), IEEE Technology and Engineering Management Conference (TEMSCON), IEEE Visualization Conference (VIS), International Conference on Information Systems (ICIS)

Invited Talks

- Goizueta Business School, Emory University, Atlanta, GA, USA, 2025
- Yonsei University School of Business, S. Korea, 2025
- Department of Industrial & Management Engineering, POSTECH, S. Korea, 2025
- School of Digital Humanities and Social Sciences, KAIST, S. Korea, 2024
- School of Electrical Engineering, Seoul National University, S. Korea, 2022
- Graduate School of Data Science, Seoul National University, S. Korea, 2021
- Department of Industrial Engineering, Seoul National University, S. Korea, 2020
- Department of Industrial and Systems Engineering, KAIST, S. Korea, 2019
- Yonsei University Business School, S. Korea, 2019
- Korea University Business School, S. Korea, 2018
- Department of Business and Technology Management, KAIST, S. Korea, 2018
- Graduate School of Convergence Science and Technology, Seoul National University, S. Korea, 2017
- Operations Research Group, IBM Thomas J. Watson Research Center, NY, USA, 2017
- Department of Computer Science and Engineering, The Ohio State University, OH, USA, 2017
- Fox School of Business, Temple University, Philadelphia, PA, USA, 2017
- Warwick Business School, University of Warwick, Coventry, UK, 2017
- Nanyang Business School, Nanyang Technological University, Singapore, 2017
- Fisher College of Business, The Ohio State University, Columbus, OH, USA, 2017
- E. J. Ourso College of Business, Louisiana State University, Baton Rouge, LA, USA, 2016
- College of Business, University of Illinois at Chicago, Chicago, IL, USA, 2016
- Graduate School of Convergence Science and Technology, Seoul National University, S. Korea, 2012

Conference Presentations

2026

- **Diagnosing Failure Modes in MCP Tool-Using Agents: A Stage-Aware Taxonomy and Evidence-Gap Interventions**: ICML Workshop on FAGEN, Seoul, Korea
- **AISFlow: Boundary-Informed Flow Matching for Long-Term AIS Trajectory Imputation**: ICML Workshop on AI for Science, Seoul, Korea
- **Domain-Prior-Regularized Graph Modeling for Anomaly Detection in Cyber-Physical Systems**: ICML Workshop on AI for Science, Seoul, Korea
- **R&D Tax Credits and Knowledge Spillovers: Causal Inference Under Network Interference**: Strategic Management Society 46th Annual Conference, Berlin, Germany
- **Who Wins from R&D Tax Credits? Treatment Effect Heterogeneity and Optimal Policy Design**: DRUID, Copenhagen, Denmark
- **Spillover-Robust Synthetic Control: Addressing Network Interference in Causal Inference**: Academy of Management Annual Meeting, Philadelphia, PA, USA
- **To Stay or to Leave? Prolonged Pendency and Inventor Enthusiasm**: Academy of Management Annual Meeting, Philadelphia, PA, USA
- **Redefining Maritime Anomaly Detection via Equation-Grounded Synthetic Anomalies**: ACM KDD, Jeju, Korea

2025

- **Spatio-Temporal Graphs Beyond Grids: Benchmark for Maritime Anomaly Detection**: NeurIPS Workshop on AI for Science, San Diego, CA
- **From Paychecks to Well-Being: Unpacking Drivers of Employee Turnover at Scale**: INFORMS MSOM Conference, London, UK
- **Double-Edged Sword: Impact of AI on Production of Knowledge**: INFORMS Annual Meeting, Atlanta, GA
- **An Empirical Analysis of Generic Drug Manufacturing Location and Serious Adverse Events**: POMS Annual Meeting, Atlanta, GA

- **The Impact of Artificial Intelligence on Scientific Collaboration**: POMS Annual Meeting, Atlanta, GA
- **Employee Turnover: The Interplay of Work-Life Balance and Compensation**: POMS Annual Meeting, Atlanta, GA
- **Not All Doom and Gloom: ChatGPT, Knowledge Diversity, and Style Similarity**: DRUID Conference, Toronto, Canada
- **MOE: Manga Organized with Edges**: IEEE PacificVis, Taipei, Taiwan
- **Adaptive Sparsified Graph Learning Framework for Vessel Behavior Anomalies**: AAAI Workshop on Anomaly Detection in Scientific Domains, Philadelphia, PA
- **Firm-Level Small-Worldliness: Exploring the Structural Characteristics and Performance Effects**: POMS Annual Meeting, Atlanta, GA

2024

- **Not All Doom and Gloom: ChatGPT, Knowledge Diversity, and Style Similarity**: AOM Annual Meeting, Chicago, IL; INFORMS Annual Meeting, Seattle, WA
- **A Long-term, Geospatial-based Approach for Location Suitability Evaluation of Flood Relief Camps Considering Climate Change**: INFORMS MSOM Conference, Minneapolis, MN
- **Revelio: A Lifelog Visualization System with Google My Activity**: IEEE PacificVis, Tokyo, Japan
- **String Nodes Visualization with a Simple Trick: The Hidden Virtual Nodes**: IEEE PacificVis, Tokyo, Japan
- **Mapping the Past to Build the Future: A Visualization System for Enhancing Humanitarian Aid Effectiveness Through Project Topic Modeling**: INFORMS Annual Meeting, Seattle, WA
- **Work-Life Balance Satisfaction and Employee Turnover: A Large-Scale Analysis**: INFORMS Annual Meeting, Seattle, WA
- **IVExplorer: Interactive Exploration of Causality within Causal Graphs**: INFORMS Annual Meeting, Seattle, WA
- **Firm-Level Small-Worldliness: Exploring the Structural Characteristics and Performance Effects**: INFORMS Annual Meeting, Seattle, WA
- **FURIOUS: Fully Unified Risk-Assessment with Interactive Operational User System for Vessels**: INFORMS Annual Meeting, Seattle, WA

2022

- **Innovation Research using Graph Neural Networks**: INFORMS Annual Meeting, Indianapolis, IN
- **FDA Plant Inspections and Drug Shortages**: INFORMS Annual Meeting, Indianapolis, IN

2020

- **Supply Network Reconfiguration in Industry Transition: A Study of Electric Vehicles in the Automotive Industry**: DSI Annual Meeting, Virtual Conference
- **Rare is Beautiful? Rare Technological Resources and Value Implications**: INFORMS Annual Meeting, Virtual Conference; AOM Annual Meeting, Virtual Conference
- **Dealing with Messy Data (Workshop)**: DSI Annual Meeting, Virtual Conference

2019

- **Dealing with Messy Data (Workshop)**: DSI Annual Meeting, New Orleans, LA
- **User-Generated Web Data Predicts Quality Risk: Evidence from the Pharmaceutical Industry**: PDA/FDA Joint Regulatory Conference, Washington, DC
- **Workplace Environment Transparency, Employee Satisfaction, and Firm Innovation Performance**: DSI Annual Meeting, New Orleans, LA; INFORMS Annual Meeting, Seattle, WA; POMS Annual Meeting, Washington, DC
- **Disruption Warning Signal Attributes' Effect on Firm Performance: Evidence from National Hurricane Center and Airlines**: DSI Annual Meeting, New Orleans, LA; INFORMS Annual Meeting, Seattle, WA; POMS Annual Meeting, Washington, DC
- **The Resilience of Airline Networks to Severe Weather**: DSI Annual Meeting, New Orleans, LA; INFORMS Annual Meeting, Seattle, WA; POMS Annual Meeting, Washington, DC

- **A Comparative Study of Supply Network Robustness: Topological Sensitivity Analysis for Random and Targeted Disruptions**: INFORMS Annual Meeting, Seattle, WA
- **An (Almost) Free Lunch? Social Recognition and Knowledge Sharing Behavior in a Virtual Community**: Wharton People and Organizations Conference, Philadelphia, PA

2018

- **A Comparative Study of Supply Network Robustness: Topological Sensitivity Analysis for Random and Targeted Disruptions**: INFORMS Annual Meeting, Phoenix, AZ
- **Predicting Drug Recalls using Social Media Data**: INFORMS Annual Meeting, Phoenix, AZ
- **Technological Innovation Spillovers in Supply Networks**: POMS Annual Meeting, Houston, TX

2017

- **Rare is Beautiful? Rare Technological Resources and Value Implications**: DRUID Conference, New York, NY
- **Structural Redundancy for Managing Supply Chain Disruption Risks: An Empirically Informed Investigation of Real-World Multi-Echelon Supply Networks**: DSI Annual Meeting, Washington, DC
- **A Bicentric Diagram Approach to Manage Interdependencies when Designing Complex Systems**: INFORMS Annual Meeting, Houston, TX
- **Archetypes of Entrepreneurship: From Ideas to Products to Funding**: INFORMS Annual Meeting, Houston, TX
- **Structural Anatomy and Evolution of Supply Networks: A Multi-Method Approach**: INFORMS Annual Meeting, Houston, TX
- **I'm Doing This for You (And Me!): Career Concern as Motivation in Online Collaboration Communities**: AOM Annual Meeting, Atlanta, GA
- **Strategic Positioning in Global Entrepreneurship Ecosystems**: POMS Annual Meeting, Seattle, WA; Product and Service Innovation (PSI), Midway, UT
- **Product Innovation Contest on Service Network: Competitive Spillover from Exclusive Dealing**: INFORMS Annual Meeting (TIMES Best Dissertation Session), Houston, TX; POMS Annual Meeting, Seattle, WA

2016

- **Strategic Positioning in Global Entrepreneurship Ecosystems**: DSI Annual Meeting, Austin, TX; INFORMS Annual Meeting, Nashville, TN
- **Product Innovation Contest on Service Network: Competitive Spillover from Exclusive Dealing**: DSI Annual Meeting, Austin, TX; INFORMS Annual Meeting, Nashville, TN
- **An (Almost) Free Lunch? Social Recognition and Knowledge Sharing Behavior in a Virtual Community**: Open and User Innovation (OUI) Conference, Boston, MA
- **Dynamic Co-evolution of Supply Network Structure: Accessibility and Interconnectedness**: POMS Annual Meeting, Orlando, FL
- **Integrated Analytics Framework for Business Ecosystem Dynamics**: POMS Annual Meeting, Orlando, FL

2015

- **Product Innovation Contest on Service Network: Competitive Spillover from Exclusive Dealing**: AOM Annual Meeting, Vancouver, BC, Canada; Atlanta Competitive Advantage Conference (ACAC), Atlanta, GA; Industry Studies Association (ISA), Kansas City, MO
- **An (Almost) Free Lunch? Social Recognition and Knowledge Sharing Behavior in a Virtual Community**: AOM Annual Meeting, Vancouver, BC, Canada
- **Integrated Analytics Framework for Business Ecosystem Dynamics**: INFORMS Annual Meeting, Philadelphia, PA
- **Integrated Interactive Visual Analytics Framework for Supply Chain Network Management**: IEEE VIS Workshop, Chicago, IL
- **Project Selection in NIH: A Natural Experiment from ARRA**: ISA, Kansas City, MO; DRUID Conference, Rome, Italy

- **Firm Value of Product Innovation in Service Ecosystem: A Study of Smartphones**: ISA, Kansas City, MO
- **Bicentric Diagrams: Design and Applications of a Graph-Based Relational Set Visualization Technique**: ACM SIGCHI Conference, Seoul, Korea

2014

- **Firm Value of Product Innovation in Service Ecosystem: A Study of Smartphones**: INFORMS Annual Meeting, San Francisco, CA
- **Simulation of Business Ecosystem Dynamics using Big Data: Framework Formulation and Validation**: Systems Engineering Research Center (SERC), Washington, DC
- **Product Innovation and Platform Strategy: A Technology Evolution Perspective**: INFORMS Annual Meeting, San Francisco, CA; POMS Annual Meeting, Atlanta, GA
- **Product-Service Network and Interfirm Alliance in the Mobile Ecosystem: Network Visualization and Dyadic Analysis**: POMS Annual Meeting, Atlanta, GA

2013

- **Product Innovation and Platform Strategy: A Technology Evolution Perspective**: Georgia Tech Research & Innovation Conference, Georgia Tech, Atlanta, GA
- **Product-Service Network and Interfirm Alliance in the Mobile Ecosystem: Network Visualization and Dyadic Analysis**: INFORMS Annual Meeting, Minneapolis, MN
- **Useful Descriptive and Prescriptive Computational Tools for Social Science**: Computational Social Science Workshop, Emory University, Atlanta, GA
- **Dynamic Platform Competition in a Two-Sided Market: Evidence from the Online Daily Deals Promotion Industry**: Atlanta Competitive Advantage Conference (ACAC), Atlanta, GA; NET Institute Conference, Berkeley, CA; Annual Conference on Internet Search and Innovation, Northwestern University, Chicago, IL; Strategic Management Society Conference, Atlanta, GA; Southern Economic Association Conference, Tampa, FL

Other Research and Professional Experience

- **Vanderbilt University Medical Center**, Nashville, TN (Summer 2012): *Visiting Researcher*
- **IBM Research**, Bangalore, India (Summer 2010): *Summer Intern*
- **UC Berkeley**, Berkeley, CA (Spring 2010): *Graduate Student Researcher* for Prof. Morten T. Hansen
- **UC Berkeley**, Berkeley, CA (2009): *Graduate Student Researcher* for Prof. Robert G. Glushko
- **Samsung Electronics**, Seoul, Korea (2005-2008): *Summer Intern and Part-time Student Research Assistant* at Corporate Design Center
- **United States Forces Korea**, Seoul, Korea (2003-2005): *Web Developer* (Obligatory Military Service)

Software

- **JSON-based Academic Homepage Template (This Website)**: https://github.com/oksure/hyunwoopark-com
- **Simple Network Viewer**: https://hyunwoopark.com/netview/
- **Bicentric Diagrams**: https://bicentric.herokuapp.com/
- **Visual Supply Chain Management**: https://visualscm.herokuapp.com/
- **ecoxight (Business Ecosystem Intelligence System)**: https://ecoxight.com/