

HYODUK SHIN

Curriculum Vitae

Rady School of Management
University of California - San Diego
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Academic Appointment

- 07/2012 - University of California - San Diego.
 - ◇ Jimmy Anklesaria Presidential Endowed Chair, 07/2020 - current.
 - ◇ Faculty Director, Institute for Supply chain Excellence and Innovation, Rady School of Management, 2018 – 2022.
 - ◇ Faculty Co-director, Institute for Supply chain Excellence and Innovation, Jacobs School of Engineering, 2022 – current.
 - ◇ Professor, 07/2022 – current.
 - ◇ Associate Professor, 07/2015 - 06/2022.
 - ◇ Assistant Professor, 07/2012 - 06/2015.

- 06/2023 - 08/2023, Kellogg School of Management, Northwestern University.
 - ◇ Visiting Professor.

- 06/2021 - 08/2021, Kellogg School of Management, Northwestern University.
 - ◇ Visiting Associate Professor.

- 09/2019 - 12/2019, Booth School of Business, University of Chicago.
 - ◇ Visiting Associate Professor.

- 07/2008 - 06/2012, Kellogg School of Management, Northwestern University.
 - ◇ Assistant Professor, 09/2009 - 06/2012.
 - ◇ Jacobs Scholar, 07/2008 - 08/2009.

Education

- PhD, Graduate School of Business, Stanford University, June 2008.
 - ◇ Field: Operations, Information and Technology

- ◇ Thesis: *Essays on the Role of Competition in Operations Management*
- ◇ Dissertation Advisors: Prof. Evan L. Porteus and Prof. Tunay I. Tunca
- ◇ Lieberman Fellow (2006-2007)

- MS, Statistics, The University of Chicago, March 2003.
 - ◇ Thesis Topic: *Comparison of hierarchical Bayesian models for estimating prevalence and test accuracy in the absence of a gold standard*
 - ◇ Thesis Advisor: Prof. Michael D. Larsen

- MS, Management Engineering, KAIST Graduate School of Management, August 2001.
 - ◇ Thesis Topic: *Probabilistic Neural Network for Combining Forecasts*
 - ◇ Thesis Advisor: Prof. D. B. Jun

- BS, Industrial Engineering, KAIST, February 1997.

Research Interests

- Drug shortages in the pharmaceutical supply chains and the healthcare industry
- Collaboration and information visibility in supply chains
- Forecasting and innovation investments in supply chains
- Cyber-security and Open source software
- Operations/Marketing interface in the entertainment and motion picture industry

Publication and Working Papers

1. Feasting on Leftovers: Strategic Use of Shortages in Price Competition Among Differentiated Products, 2010, *Manufacturing & Service Operations Management*, **12**(1), 140–161, Joint work with Evan L. Porteus and Tunay I. Tunca.
2. The Effect of Competition on Demand Forecast Investments and Supply Chain Coordination, 2010, *Operations Research*, **58**(6), 1592–1610, Joint work with Tunay I. Tunca.
3. Underlying Consumer Heterogeneity in Markets for Technology-Intensive Services with Network Effects, 2012, *Information Systems Research*, **23**(4), 1322–1341, Joint work with Marius F. Niculescu and Seungjin Whang.
4. Licensing and Competition for Services in Open Source Software, 2013, *Information Systems Research*, **24**(4), 1068–1086, Joint work with Terrence August and Tunay I. Tunca.

5. The Impact of the Manufacturer-hired Sales Agent on a Supply Chain with Information Asymmetry, 2014, *Manufacturing & Service Operations Management*, **16**(1), 76–88, Joint work with Neda Ebrahimi and Seyed Iravani.
6. Cloud Implications on Software Network Structure and Security Risks, 2014, *Information Systems Research*, **25**(3), 489–510, Joint work with Terrence August and Marius F. Niculescu.
7. Designing Incentives for Cybersecurity, 2014, *Communications of ACM*, **57**(11), 43–46, Joint work with Terrence August and Robert August.
8. The Impact of Contracts and Competition on Upstream Innovation in a Supply Chain, 2015, *Production and Operations Management*, **24**(1), 134–146, Joint work with Jingqi Wang.
9. Optimal Timing of Sequential Distribution: The Impact of Congestion Externalities and Day-and-Date Strategies, 2015, *Marketing Science*, **34**(5), 755–774, Joint work with Duy Dao and Terrence August.
10. Public Forecast Information Sharing in a Market with Competing Supply Chains, 2016, *Management Science*, **62**(10), 2994–3022, Joint work with Noam Shamir.
11. Incentives for Forecast Information Sharing under Simple Pricing Mechanisms, 2016, *Information Exchange in Supply Chain Management*, Editors: Albert Y. Ha and Christopher S. Tang, Joint work with Noam Shamir.
12. Strategic Communication for Capacity Alignment with Pricing in a Supply Chain, 2017, *Management Science*, **63**(12), 4366–4388, Joint work with Leon Yang Chu and Noam Shamir.
13. Sharing Aggregate Inventory Information with Customers: Strategic Cross-selling and Shortage Reduction, 2018, *Management Science*, **64**(1), 381–400, Joint work with Ruomeng Cui.
14. The Perils of Sharing Information in a Trade Association under a Strategic Wholesale Price, 2018, *Special Issue of Production and Operations Management on “Operations Management and Information Systems Interface”*, **27**(11), 1978–1995, Joint work with Noam Shamir.
15. Generating Value through Open Source: Software Service Market Regulation and Licensing Policy, 2018, *Information Systems Research*, **29**(1), 186–205, Joint work with Terrence August and Tunay I. Tunca.
16. Inclusive Innovation: Product Innovation in Technology Supply Chains, 2019, *Manufacturing & Service Operations Management: Special Issue on Value Chain Innovations in Developing Economies*, **21**(2), 327–345, Joint work with Vish Krishnan, Junghee Lee and Oleksiy Mnyshenko.

17. Business Models for Technology-Intensive Supply Chains, 2020, *Management Science*, **66**(5), 2120—2139. Joint work with Vish Krishnan and Junghee Lee.
18. Alleviating Drug Shortages: The Role of Mandated Reporting Induced Operational Transparency, 2021, *Management Science*, **67**(4), 2326—2339. Joint work with Vish Krishnan, Hyun Seok Lee, and Junghee Lee.
19. The Optimal Innovation Decision for an Innovative Supplier in a Supply Chain, 2021, *European Journal of Operational Research*, **292**(3), 967–979. Joint work with Jingqi Wang and Qin Zhou.
20. Institute for Convergent Systems Engineering: A Strategic Plan for Ethical Sustainability, 2024, *INCOSE International Symposium*, **34**(1), 679–690, Joint work with Jon Wade and Richard Gessner.
21. WIP: Convergent Systems Engineering: A Modular, Agile Master’s Program for Multi-Scale Systems, 2024, *IEEE Frontiers in Education Conference (FIE)*, Washington, DC, USA, pp. 1–5, Joint work with Jon Wade and Richard Gessner.
22. Translate Patent Vacancies into Human-readable Texts: Identifying technology opportunities with text embedding inversion, 2025, *Advanced Engineering Informatics*, **68**(B), 103661, Joint work with Sungsoo Lee and Hakyoon Lee.
23. Cyberattacks, Operational Disruption and Investment in Resilience Measures, 2025, *Management Science*, **71**(9), 7390–7413, Joint work with Terrence August, Daehoon Noh and Noam Shamir.
24. The Impacts of a Non-Profit Intermediary on Drug Shortages, 2025, *Working Paper*, Joint work with Junghee Lee, Jennifer K. Ryan and Daewon Sun.
25. Strategic Consumption Timing and Capacity Allocation in Theaters, 2025, *Working Paper*, Joint work with Terrence August and Duy D. Dao.
26. Cashierless Retail Store Operations and its Impact on Consumer Consumption Demand, 2025, *Working Paper*, Joint work with Zhe Zhang.
27. Enhancing Sustainability: Smallholder Farmers’ Incentives for Sharing Yield Data Information, 2025, *Working Paper*, Joint work with Jae-Hyuck Park.
28. Assessing the Environmental Impact of Organ Transplantation: Greenhouse Gas Emissions from Air Travel, 2025, *Working Paper*, Joint work with Carlos F. Gould, Divyansh Agrawal and Gabriel T. Schnickel.

29. Information Sharing in Supply Chain of Durable Goods, 2022, *Working Paper*, Joint work with Neda Khanjari and Seyed Iravani.

Invited Seminars and Conferences

- 2025
 - ◇ Judge Business School, University of Cambridge
 - ◇ Lundquist College of Business, University of Oregon
 - ◇ Nanyang Business School, Nanyang Technological University, Singapore
- 2022
 - ◇ David Eccles School of Business, University of Utah
 - ◇ Stern School of Business, New York University
 - ◇ Naveen Jindal School of Management, University of Texas, Dallas
- 2020
 - ◇ United Nations ESCAP Seminar
- 2019
 - ◇ Goizueta Business School, Emory University
 - ◇ University of Chicago Booth School of Business
 - ◇ Smith School of Business, University of Maryland
- 2016:
 - ◇ School of Business, The University of Hong Kong
 - ◇ HKUST Business School
 - ◇ College of Business, University of Illinois, Urbana-Champaign
 - ◇ University of California, Riverside
- 2015:
 - ◇ Southern California Operations Research/Operations Management Day, UCLA Anderson
 - ◇ Desautels Faculty of Management, McGill University
- 2014:
 - ◇ Columbia GSB
 - ◇ UCLA Anderson
 - ◇ Ross School of Business, University of Michigan
 - ◇ Michael G. Foster School of Business, University of Washington

- 2013:
 - ◊ NYU Stern School of Business
 - ◊ Leavey School of Business, Santa Clara University
 - ◊ Paul Merage School of Business, University of California - Irvine
- 2012:
 - ◊ Rady School of Management, University of California - San Diego
 - ◊ UNC Kenan-Flagler Business School
 - ◊ USC Marshall School of Business
- 2011:
 - ◊ Emory Goizeuta Business school
 - ◊ Industrial and Systems Engineering, Georgia Institute of Technology
 - ◊ Scheller College of Management, Georgia Institute of Technology
- 2010:
 - ◊ Workshop: New Product Development, Innovation and Sustainability, Kelley School of Business, Indiana University
 - ◊ Stanford Graduate School of Business
- 2009:
 - ◊ Revenue Management conference, Kellogg School of Management, Northwestern University
- 2008:
 - ◊ Columbia University
 - ◊ Indiana University
 - ◊ London Business School
 - ◊ Northwestern University
 - ◊ Queen's University
 - ◊ Southern Methodist University
 - ◊ Stanford University (2005)
 - ◊ UC Berkeley
 - ◊ UC San Diego
 - ◊ University of Chicago
 - ◊ University of Notre Dame
 - ◊ USC
 - ◊ UT Austin
 - ◊ UT Dallas
 - ◊ University of Toronto

- ◊ University of Wisconsin Madison
- ◊ Yale University
- Session chairs, cluster chairs, and presentations at annual conferences: CIST, INFORMS (2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009), MSOM, POMS, and WISE.
- *A Combining Forecast Method using a Probabilistic Neural Network*, 2000, Joint work with D. B. Jun, S. K. Kim and J. J. Lee., The Tenth Japan and Korea Joint Conference of Statistics, Beppu, Japan.

Media Mentions and Other Publications

- *Services Market Is Key to Open Source Software*:
 - ◊ *Stanford Knowledgebase*, September 2009.
 - ◊ *International Business Times*, October 2009.
 - ◊ *The Economist Online-EIU/Harvard Business School Executive Briefing*, October, 2009.
- *Let Your Competitor Feast on Leftovers*:
 - ◊ *Kellogg Insight*, June 2010.
 - ◊ *The Economist Online-EIU/Harvard Business School Executive Briefing*—Creating shortages can be a strategic advantage, August 2010.
- Speaker at 15th Anklesaria Supply Forum: “Forecast and Investment Sharing with your Suppliers and Customers,” March 2015.
- Presenter for ACMA Webinar: “Demand Forecasting: What and When to Forecast,” Anklesaria Group, June 2015.
- Speaker at 17th Anklesaria Supply Forum: “Economies of scale and responsive supply chains,” March 2017.
- Speaker at Tech San Diego, Manufacturing Operations Roundtable: “Supply Chain Management - How manufactures can leverage new Supply Chain/Inventory Paradigms: Lessons from the Motion Picture Industry, Diamond Retail Industry and Amazon,” Feb. 2019.
- Panelist at Corporate Directors Forum, “Where Innovation and Value Chain Meet,” November 2020.

- Organizer, symposium on “Post-Pandemic Realignment of Value Chains in Mexico,” Institute for Supply chain Excellence and Innovation, Rady School of Management, January 2021.
- Organizer, symposium on “Data Science Driven Value Supply Chain,” Halicioğlu Data Science Institute and Institute for Supply chain Excellence and Innovation, Rady School of Management, February 2021.
- Organizer, symposium on “Post Globalization Movement: US/Mexico Value Supply Chain Realignment,” Institute for Supply chain Excellence and Innovation, Rady School of Management, March 2021.
- Organizer, symposium on “Accelerate North American Value Supply Chain in Mexico,” Institute for Supply chain Excellence and Innovation, Rady School of Management, April 2021.
- Discussant at Tijuana EDC, “Emerging auto industry - Value supply chain survey. Understanding Baja California’s automotive industry,” May 2021.
- Organizer, symposium on “Trailblazing Autonomous Transportation in North America,” Jacobs School of Engineering and Institute for Supply chain Excellence and Innovation, Rady School of Management, June 2021.
- Panel moderator, Global Competitiveness Council, San Diego EDC, “Global Supply Chain Disruptions & the Binational Region,” June 2021.
- Organizer, symposium on “ESG and Sustainability: A Business Imperative,” IBM and Institute for Supply chain Excellence and Innovation, Rady School of Management, June 2021.
- Panel moderator, Supply chain thinktank panel workshop, Institute for Supply chain Excellence and Innovation, “Outlook for the integrated supply chain 2022 and beyond – Technology, Policy, Economic Data and Talent,” April 2022.
- Panel moderator, Supply chain leader panel workshop, Institute for Supply chain Excellence and Innovation, “Lessons learned from decades of experiences in the field of supply chains,” April 2025.
- Speaker, AI in Supply Chain Management, Global Initiatives on collaboration with CETYS: Fernando Leon-Garcia, President of CETYS Universidad, and the board members (IENAC), University of California, San Diego, October 2025.

Teaching Experience

- 2012 - Current, Rady School of Management, University of California - San Diego.
 - ◊ Undergraduate: Advanced Business Analytics (Spring 2025)

- ◇ MBA core: Operations Management, Instructor (Winter 2013, Winter 2014, Winter 2015, Winter 2016, Winter 2017, Winter 2018, Winter 2019, Winter 2020, Winter 2021, Winter 2022, Winter 2024, Winter 2025).
- ◇ MBA elective: Supply Chain Management, Instructor (Summer 2014, Winter 2015, Winter 2023, Winter 2024).
- ◇ MBA Independent Studies:
 1. Tesla motors and the electric car industry (Fall 2012)
 2. The motion picture industry and the shrinking video windows (Spring 2013)
 3. Inventory information sharing in the fashion industry (Summer 2013)
 4. SANYO television demand forecast model (Fall 2013)
 5. Cost comparison of off-shoring and reshoring in the bio-tech industry (Spring 2014),
 6. Identifying common causes of manufacturing variances for BD Biosciences (Summer 2014)
 7. Valuing integrative medicine in the UC San Diego health system (Summer 2014)
 8. Supply market analysis on Li-Ion batteries in automotive applications (Summer 2015)
 9. AirCourse Operational Plan (Summer 2016)
 10. Supply management using a reverse factoring technology platform (Winter 2017)
 11. Establishing fund services to enable whitelabeling to resellers/partners (Spring 2017)
 12. Multi-Channel Marketing for Ready5 (Spring 2017)
 13. Application of Blockchain Technologies in the healthcare industry (Spring 2018)
 14. Financial analysis of select manufacturers of pharmaceuticals for a sourcing event (Spring 2019)
 15. Post Globalization Supply Chain Movement I (Fall 2020)
 16. Rapid Process Improvement with the UCSD Transformational Healthcare (Fall 2020)
 17. Post Globalization Supply Chain Movement II (Winter 2021)
 18. Post Globalization Supply Chain Movement III (Spring 2021)
 19. Analysis of the White House Supply Chain report (Summer 2021)
 20. Analysis on Peloton Interactive (Spring 2022)
 21. Digital Technology in Clinical Trials Recruitment & Enrollment (Summer 2022)
 22. Public Disclosure of Sustainability in Supply Chains (Winter 2023)
 23. Improvement of Patient Flows in Emergency Department In-Patient through Operations and Process Modeling I (Spring 2023)
 24. Improvement of Patient Flows in Emergency Department In-Patient through Operations and Process Modeling II (Fall 2023)
 25. Intersection of strategic HR & Technology enablement (Spring 2024)
 26. Process improvement related to bed constraints in the Emergency Department of UCSD Health (Spring 2024)
 27. Supply Chain Optimization & Sustainability Revamp with Breville Group Ltd. (Fall 2024)
 28. Investigation of Supply Chain and Logistical Costs of Campus Beverage Container Recycling with Parallel Customer Discovery to Assess Student Awareness & Enhance Participation (Winter 2025)
 29. Clinical trial process improvement (Spring 2025)
 30. Understanding Korean business development (Spring 2025, Summer 2025)

- ◇ MS in Business Analytics: Supply Chain Analytics, Instructor (Winter 2017, Winter 2018, Winter 2019, Winter 2021, Winter 2022, Winter 2023, Spring 2024).
 - ◇ MS in Business Analytics: Business Analytics in Marketing, Finance, and Operations, Co-Instructor (Summer 2024, Summer 2025)
 - ◇ MS in Business Analytics: Capstone Project Faculty
 1. ViaSat Competition (Spring 2017, Summer 2107)
 2. ViaSat Aviation (Spring 2017, Summer 2107)
 - ◇ PhD: MGT245 Theory of Technology and Operations Management (Winter 2014).
 - ◇ PhD: MGT249 Topics in Technology Strategy and Information Systems Research; Co-instructor (Fall 2022, Winter 2024, Winter 2025).
 - ◇ PhD Independent Studies (Winter 2013, Spring 2013, Fall 2014, Spring 2016, Fall 2017).
 - ◇ Executive Education in Inventory and Capacity Management, Dexcom (Fall 2019).
 - ◇ Executive Education in Supply Chain Excellence, sponsored by The Institute for Supply Excellence and Innovation: Supply Chain Contracting, Inventory Control and Negotiation (Winter 2017).
 - ◇ MBA Mexico Immersion Program: Focus on a port, Mexico-US borders, start-ups and supply chain companies in Tijuana and Ensenada regions (Spring 2019).
 - ◇ Undergraduate, a Faculty Advisor to a student in UC San Diego's Academic Internship Program (Summer 2019, Summer 2021, Summer 2022).
 - ◇ Faculty research lecture at California Institute for Innovation and Development (CIID) executive meeting, Innovations and Supply Chains (Spring, 2022).
 - ◇ Osher Lifelong Learning Institute Lecture, The pandemic and supply chain disruptions (Spring, 2022).
 - ◇ Executive Education in ESG and Supply chain strategies, Waseda University (Spring 2023).
 - ◇ Executive Education in Sustainability in Supply Chains, Yonsei School of Business, Executive MBA Global Study Trip (Summer 2023, Summer 2024, Summer 2025).
 - ◇ Lecture at Vi Technology Group, Sustainability and ESG through Supply Chains, volunteer lecture at a local retirement community, San Diego (Fall 2023).
- 2021 - 2023, Kellogg School of Management, Northwestern University.
 - ◇ MBA: Supply Chain Management, Instructor (Summer 2021, Summer 2023).
- 2019, Booth School of Business, University of Chicago.

- ◇ MBA: Supply Chain Strategy and Practice, Instructor (Fall 2019).
- 2008 - 2011, Northwestern University, Kellogg School of Management.
 - ◇ MBA core: Operations Management, Instructor, Avg. 9.2 out of 10 (Summers 2009, 2010, Spring 2011, Fall 2011, Spring 2012).
 - ◇ MBA elective: (turbo) Operations Management, Instructor, Avg. 8.8 out of 10 (Summer 2009, 2010).
 - ◇ PhD: Operations Economics, Instructor, (Spring 2011).
- 2005 - 2007, Stanford University, Graduate School of Business
 - ◇ PhD core: Fundamentals of OIT - Advanced dynamic programming segment, co-developer and lecturer (Fall 2007).
 - ◇ MBA elective: Revenue Optimization, Teaching Assistant (Spring 2006).
 - ◇ MBA core: Operations, Teaching Assistant (Winter 2006).
- 2002, University of Chicago, Department of Statistics
 - ◇ Undergraduate core: Statistics, Teaching Assistant (Fall 2002).

Awards and Honors

- *Best Paper Award Winner*, “Business Models for Technology-Intensive Supply Chains,” joint work with Junghee Lee and Vish Krishnan; all papers published between 2019 and 2020 in any INFORMS journals are considered. INFORMS TIME (2025).
- *Most Valuable Professor Award*, Executive MBA Class of 2025, Rady School of Management, UCSD (2025).
- *Most Valuable Professor Award*, Full-Time MBA Class of 2024, Rady School of Management, UCSD (2024).
- *Most Valuable Professor Award*, Full-Time MBA Class of 2023, Rady School of Management, UCSD (2023).
- *Most Valuable Professor Award*, FlexEvening MBA Class of 2023, Rady School of Management, UCSD (2023).
- *Excellence in Teaching*, Full-time MSBA Class of 2023, Rady School of Management, UCSD (2023).

- *Outstanding Faculty Teaching Award, The 2022-2023 Graduate and Professional Students Association Community & Academic Award*, UCSD (2023).
- *Excellence in Teaching*, Full-time MBA Class of 2022, Rady School of Management, UCSD (2022).
- *Certificate for outstanding mentors in Summer Training Academy for Research Success*, UCSD (2022).
- *Excellence in Teaching*, MSBA Class of 2021, Rady School of Management, UCSD (2021).
- *Most Valuable Professor Award*, Full-Time MBA Class of 2021, Rady School of Management, UCSD (2021).
- *Excellence in Teaching*, FlexWeekend MBA Class of 2021, Rady School of Management, UCSD (2021).
- M&SOM Meritorious Service Award (2020).
- *Distinguished Teaching Award*, University of California, San Diego (2020).
- *Most Valuable Professor Award*, Full-Time MBA Class of 2020, Rady School of Management, UCSD (2020).
- *Excellence in Teaching*, Full-Time MBA Class of 2020, Rady School of Management, UCSD (2020).
- *Most Valuable Professor Award*, FlexEvening MBA Class of 2020, Rady School of Management, UCSD (2020).
- *Excellence in Teaching*, Full-Time MBA Class of 2019, Rady School of Management, UCSD (2019).
- *Excellence in Teaching*, Master's in Business Analytics Class of 2019, Rady School of Management, UCSD (2019).
- M&SOM Meritorious Service Award (2018).
- *Excellence in Teaching*, Full-Time MBA Class of 2018, Rady School of Management, UCSD (2018).

- *Excellence in Teaching*, Flex MBA Class of 2018, Rady School of Management, UCSD (2018).
- *Most Valuable Professor Award*, Full-Time MBA Class of 2017, Rady School of Management, UCSD (2017).
- *Most Valuable Professor Award*, Flex Evening MBA Class of 2017, Rady School of Management, UCSD (2017).
- *Excellence in Teaching*, Flex Weekend MBA Class of 2017, Rady School of Management, UCSD (2017).
- M&SOM Meritorious Service Award (2016).
- *Excellence in Teaching Award*, Full-Time MBA Class of 2016, Rady School of Management, UCSD (2016).
- *Award of recognition*: Service in providing accommodations to students with disabilities at UC San Diego, University of California, San Diego (2016).
- *Excellence in Teaching Award*, Flex Evening MBA Class of 2016, Rady School of Management, UCSD (2016).
- M&SOM Meritorious Service Award (2015).
- Management Science Meritorious Service Award (2015).
- *Award of recognition*: Service in providing accommodations to students with disabilities at UC San Diego, University of California, San Diego (2015).
- *Excellence in Teaching Award*, Flex Evening MBA Class of 2015, Rady School of Management, UCSD (2015).
- *Excellence in Teaching Award*, Full-Time MBA Class of 2014, Rady School of Management, UCSD (2014).
- Best Paper Award - Conference on Information Systems and Technology (out of 75 submitted papers) (2012).
- Chairs' Core Course Teaching Award, Kellogg School of Management, Northwestern University (2010 - 2011).

- Management Science Meritorious Service Award (2011).
- Nominee for the L. G. Lavengood Outstanding Professor of the Year award (2010).
- Recipient of *Lieberman Fellowship*, Stanford University (2006-2007).
- Recipient of Stanford GSB Fellowship (2003-2008).
- Departmental Fellowship, Department of Statistics, The University of Chicago (2001-2003).
- *Ministry of Education (Korea)*: Scholarship Award for students studying abroad (Statistics) (2001-2003).
- Army Commendation Medal, United States Army (2001).
- Army Achievement Medal, United States Army (2001).
- Full Scholarship from KAIST Graduate School of Management (1997-1999).
- Full Scholarship from *Ministry of Science and Technology (Korea)* (1993-1997).

Doctoral Dissertation Committees

- Lily Poursoltan, Rady School of Management, University of California, San Diego.
- Ping-Chieh Huang, Rady School of Management, University of California, San Diego.
- Seung Hyun Kim, Rady School of Management (Marketing), University of California, San Diego.
- JinHyeon Han, Department of Economics, University of California, San Diego.
- Sajjad Najafi, Department of Mechanical and Industrial Engineering, University of Toronto (Postdoc at HKUST under Prof. Guillermo Gallego).
- Elizabeth Hastings, Department of Economics, University of California, San Diego.
- Zheng Huang, Department of Economics, University of California, San Diego.

- Xiaochen Gao, Rady school of management, University of California, San Diego, co-chair.
- Junghee Lee, Rady school of management, University of California, San Diego (First academic appointment: Tulane University), co-chair.
- Duy D. Dao, Rady school of management, University of California, San Diego (First academic appointment: University of Calgary), co-chair.
- Lakshminarayana Nittala, Rady school of management, University of California, San Diego (First academic appointment: University of Dayton).
- Oleksiy Mnyshenko, Department of Economics, University of California, San Diego (Amazon).
- Ruomeng Cui, Kellogg school of management, Northwestern University (First academic appointment: Kelley School of Business, Indiana University; currently at Emory University).
- Jingqi Wang, Kellogg school of management, Northwestern University (First academic appointment: School of Business, The University of Hong Kong), co-chair.
- Qifeng Shao, Industrial Engineering & Management Science, Northwestern University.
- Neda Ebrahim Khanjari, Industrial Engineering & Management Science, Northwestern University (First academic appointment: College of Business, University of Illinois at Urbana-Champaign; currently at School of Business, Rutgers, The State University of New Jersey at Camden), co-chair.

Professional Service

- 2025 MSOM Journal IRR Department Editor, Technology, Innovations, and Entrepreneurship (2025)
- Panel discussion moderator, 25th supply chain forum, Institute for Supply chain Excellence and Innovation, Jacobs School of Engineering, University of California San Diego (2025)
- Rady School of Management Promotion and Tenure committee member, University of California San Diego (2024 - current).
- Dean Ordonez 5 Year Administrative Review Committee member (2024).
- Associate Editor, Manufacturing and Service Operations Management (2024 - current).

- Program committee, 2024 INFORMS Manufacturing and Service Operations Management Conference, 2024.
- Supply chain certificate presentation at MBA elective workshop, Rady School of Management, University of California, San Diego, Feb. 2024.
- A panel judge, San Diego Immersion program case competition, Israel Immersion, Rady School of Management, University of California, San Diego, March 2024.
- Chair, Committee on Graduate Program, Rady School of Management, University of California, San Diego, 2023 - 2024.
- Program Committee, 34th Annual International Council On Systems Engineering (INCOSE) International Symposium 2024.
- Panelist on Ethical Global Sustainability with Ambassador Olof Skoog, EU delegation to the UN, Institute for the Global Entrepreneur, University of California, San Diego, Oct. 2023.
- Committee member on the Appendix IV Ad Hoc Review Committee, University of California, San Diego, 2023 - 2024.
- Committee member on the Summer Graduate Teaching Scholar, University of California, San Diego, 2023 - current.
- Vice chair on Graduate Council, University of California, San Diego, 2023 - 2024.
- Master class lecture for MBA program, Rady School of Management, University of California San Diego, April. 2023.
- Committee on Graduate Council, University of California, San Diego, 2022 - 2023.
- Faculty mentor, Summer Training Academy for Research Success (STARS) Program, University of California, San Diego, 2022.
- Judge for Best Working Paper Award at INFORMS TIMES, 2022, 2023, 2024.
- Committee on LPSOE promotion standards, Rady School of Management, University of California San Diego, 2022.
- Master class lecture for FT MSBA program, Rady School of Management, University of California San Diego, Nov. 2021.

- INFORMS Technology, Innovation Management and Entrepreneurship Best Working Paper Award Competition, Reviewer, 2021.
- The faculty advisor for the Supply Management certificate, University of California San Diego Extension, 2021.
- Pre-Orientation Careers Webinar for Full-Time MBA students: Careers in Operations and Supply Chain, Aug. 2021.
- Reviewer for National Science Foundation, SBIR and STTR programs, 2021.
- Chair, Committee on Extended Studies and Public Service, University of California, San Diego, 2020-2021.
- Member, Adaptive Infrastructure Task Force, Rady School of Management, University of California, San Diego, 2020 - 2022.
- Member, Rady School Strategic Planning Steering Committee, University of California, San Diego, 2019 - 2021.
- ITO Group Coordinator, Rady School of Management, University of California, San Diego, 2019 - 2022.
- Senior Editor, Production and Operations Management (2020 - 2024).
- Member, Committee on Graduate Program, Rady School of Management, University of California, San Diego, 2019-2023.
- Member, Committee on Extended Studies and Public Service, University of California, San Diego, 2019-2020.
- Referee for Elwood S. Buffa Doctoral Dissertation Award, Decision Sciences Institute 2019.
- Two Excellence Review Committees, Rady School of Management, University of California, San Diego, 2018–2019.
- Associate Editor, Service Science (2019 - 2023).
- Master class lecture on the Preview Day for Prospective students in Rady master's programs, Rady School of Management, University of California San Diego, Apr. 2019.

- Rady School of Management Dean Search Advisory Committee, University of California, San Diego, 2019.
- New Program Review, UC Riversides's self-supporting Master of Supply Chain and Logistics Management, requested by the Coordinating Committee on Graduate Affairs (CCGA), University of California, 2019.
- Co-chair of Theory in Economics of Information Systems (TEIS) workshop, 2018.
- Master class lecture on the Preview Day for Prospective students in Rady master's programs, Rady School of Management, University of California San Diego, Nov. 2017.
- Guest Senior Editor, Production and Operations Management (2017, 2018).
- Editorial Board member, Service Science (2017 - 2019).
- Presentation: Introduction of Institute for Supply Excellence and Innovation, MBA Student Orientation (2017, 2018).
- Presentation: Introduction of Institute for Supply Excellence and Innovation, MSBA Student Orientation (2018).
- Faculty panel and presenter, POMS Doctoral Consortium, POMS, 2017.
- Faculty director and Co-chair of the curriculum subcommittee in the advisory board of The Institute for Supply Excellence and Innovation, Rady School of Management, University of California, San Diego, 2017-current.
- Ad hoc review committee for a faculty promotion, Rady School of Management, University of California, San Diego, 2016-2017.
- Curriculum review committee, Rady School of Management, University of California, San Diego, 2016.
- Search committee for Assistant Dean of MBA Program, Rady School of Management, University of California, San Diego, 2016-2017.
- ITO group representative in PhD program committee, Rady School of Management, University of California, San Diego, 2016 – 2017.

- Advisory group of Professional Certificate program on Purchasing and Supply Chain Management, University of California, San Diego, Extension, 2016 – 2017.
- Associate Editor for Journal of the Korean Operations Research and Management Science Society (2016 – current).
- Master class lecture on the Preview Day for Prospective students in Rady master's programs, Rady School of Management, University of California San Diego, Apr. 2016.
- Associate Editor for *International Conference on Information Systems (2016)*.
- Committee for Faculty Excellence Program, Rady School of Management, University of California, San Diego, 2015 – 2017.
- Recruiting Committee for Business Analytics, Rady School of Management, University of California, San Diego, 2015 – 2018.
- Visioning Task Force for Institute for Global Entrepreneur (IGE), University of California, San Diego, 2015 – 2016.
- Committee for an appointment for an endowed chair, Rady School of Management, University of California, San Diego, 2015.
- AACSB Reaccreditation Working Group, Rady School of Management, University of California San Diego, 2014 - 2016.
- Assurance of Learning in MGT 413 for AACSB, Rady School of Management, University of California San Diego, 2012 – 2017.
- Club faculty advisor for Rady Club for Operations & Analytics, Rady School of Management, University of California San Diego, 2015 – current.
- Master class lecture on the Preview Day for Prospective students in Rady master's programs, Rady School of Management, University of California San Diego, Apr. 2015.
- Panelist in Lab to Market Workshop, Rady School of Management, University of California, San Diego, June 2019, June 2018, Mar. 2017, Nov. 2016, June 2016, Dec. 2015, June 2014, Nov. 2013.
- Participation in the Early Calling Campaign, University of California, San Diego, Mar. 2015.

- TMC Marshall Mentor Program, University of California San Diego: Wilson Ng (2013–2014); Sanjeev Ranga (2014–2015); Sharon Ho (2015–2016).
- ITO group seminar series organizer, Rady school of management, University of California, San Diego (2013 - 2020).
- Judge for the Pre-term case competition, Rady school of management, University of California, San Diego (2012).
- MBA core Operations waiver, Kellogg school of management, Northwestern University (2011).
- PhD student Operations seminar advisor, Kellogg school of management, Northwestern University (Fall 2010).
- Weekly Operations seminar series organizer, Kellogg school of management, Northwestern University (2009 - 2010).
- Associate Editor for *International Conference on Information Systems* (2013, 2017, 2018).
- Program Committee for *Conference on Information Systems and Technology* (2013).
- Co-chair of *Supply Chain Management SIG in MSOM* (2014).
- Reviewer of *The United States – Israel Binational Science Foundation (BSF) Research Grant* (2017).
- Referee for *Cluster Computing, Energy Policy, European Journal of Operational Research, Information Systems Research, Journal of the Operational Research Society, Management Science, Manufacturing & Service Operations Management, Management Information Systems Quarterly, Marketing Science, Naval Research Logistics, Omega, International Journal of Management Science, Operations Research, Production and Operations Management, International Conference on Information Systems* (2009), *Manufacturing & Service Operations Management Conference and Special Interest Group* (2009, 2010, 2011, 2012, 2014, 2015, 2016, 2023), *Manufacturing & Service Operations Management student paper competition* (2010, 2011), *POMS Supply Chain College student paper competition* (2012, 2017, 2018).