Wichinpong **Park Sinchaisri**

Ph.D. Candidate in Operations Management
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Research Interests

Behavioral and empirical operations management, gig economy, future of work, people analytics, human-AI interface, applied machine learning, computational social science, urban analytics

Education

The Wharton School, University of Pennsylvania, Philadelphia, PA — 2016–2021 (expected)
Ph.D. Candidate in Operations, Information, and Decisions (Operations Management)
A.M. Candidate in Statistics
Certificate in Social, Cognitive, and Affective Neuroscience

Massachusetts Institute of Technology, Cambridge, MA — 2013–2016
S.M. Computation for Design and Optimization, GPA: 5.0/5.0
Kaufman Teaching Certificate Program

Brown University, Providence, RI — 2008–2012
Sc.B. Computer Engineering and Applied Mathematics-Economics, GPA: 3.9/4.0

Walter A. Haas School of Business, University of California, Berkeley, CA — 2009
Certificate in Business for Arts, Sciences, and Engineering

Research

PAPERS UNDER REVIEW/REVISION

1. The Impact of Behavioral and Economic Drivers on Gig Economy Workers

   - Coauthors: Gad Allon, Maxime Cohen
   - Outlet: Major Revision (1st Round) at *Manufacturing and Service Operations Management*
   - Finalist: 2020 POMS College of Behavioral Operations Junior Scholar Paper Competition
   - Best Paper: 2019 Academy of Management, Operations and Supply Chain Management Division
   - 2nd Place: 2019 People Analytics Conference Research Paper Competition
   - 3rd Place: 2019 INFORMS Behavioral Operations Management Best Working Paper

2. Markdown Pricing with Quality Perception

   - Coauthors: Rim Hariss, Georgia Perakis, Yanchong Zheng
   - Outlet: Major Revision (2nd Round) at *Manufacturing and Service Operations Management*
   - Honorable Mention: 2017 MIT Operations Research Center Best Student Paper

3. Community Vibrancy and Its Relationship with Safety in Philadelphia

   - Coauthors: Shane Jensen
   - Outlet: Under Review at *PLoS One*

WORKING PAPERS

4. Learning Best Practices: Can Machine Learning Improve Human Decision-Making?

- Coauthors: Hamsa Bastani, Osbert Bastani
- Outlet: In preparation for submission to *PNAS/Management Science*

WORK IN PROGRESS

5. The Structural Behavioral Model of Gig Economy Workers (with Gad Allon, Maxime Cohen, Ken Moon)
6. Signaling Quality and Speed Through Staffing Decisions (with Serguei Netessine)
7. An Empirical Analysis of Telehealth Consultations (with Gad Allon, Christian Terwiesch)

Awards and Honors

Finalist, 2020 POMS College of Behavioral Operations Junior Scholar Paper Competition	2020
Best Paper in Operations and Supply Chain Management, Academy of Management	2019
2nd Place, Wharton People Analytics Conference Research Paper Competition	2019
3rd Place, INFORMS Behavioral Operations Management Best Working Paper Award	2019
Excellence in Student and Community Engagement Award	2019
Goldberg Barclay Fellowship (*Best research in the area of entrepreneurship*)	2018
2nd Place, Wharton People Analytics Conference Case Competition	2018
Honorable Mention, MIT Operations Research Center Best Student Paper	2017
Albert M. Greenfield Intercultural Center Award	2017
Sigma Xi (*The Scientific Research Honor Society*)	2012
Karen T. Romers Undergraduate Teaching and Research Award	2011
Omicron Delta Epsilon (*Outstanding Economics students at Brown*)	2011
Tau Beta Pi (*Top 1/8th of Engineering juniors at Brown*)	2010
Converse Prize for General Excellence in Mathematics	2008
Fred Tuttle Prize for Excellence in Physics	2008
Tabor Book Award for Excellence in Statistics	2008

Fellowships and Grants

Mack Institute Research Fellowship ($11,500)	2019–2021
George James Term Fund Award ($500)	2019
Baker Retailing Center Research Grant ($5,000)	2018–2021
Russell Ackoff Doctoral Student Fellowship ($3,285)	2018–2021
Wharton Social Impact Initiative Fellowship ($5,000)	2018–2020
Wharton Doctoral Fellowship	2016–2021
MIT Graduate Research/Teaching Assistantship	2014–2016
UCLA IPAM Research in Industrial Projects Fellowship ($3,500)	2010

Invited Academic Talks

2020	Trustworthy Machine Learning Group, University of Pennsylvania
	Mack Institute for Innovation Management, University of Pennsylvania
2019	Office of Innovation and Technology, City of Philadelphia

       Stern School of Business, New York University

       Mack Institute for Innovation Management, University of Pennsylvania

Invited Conference Presentations

2021 POMS Annual Conference (scheduled)

2020 Kellogg-Wharton Operations Management Workshop; Empirical Workshop in Operations Management; INSEAD-Wharton Doctoral Consortium; INFORMS Workshop on Data Mining and Decision Analytics; INFORMS Annual Meeting (x4)

2019 Wharton People Analytics Conference; POMS Annual Conference (x2); Trans-Atlantic Doctoral Conference; MSOM Conference Service Operations SIG; AOM Annual Meeting; INFORMS Annual Meeting (x4); Wharton-INSEAD Doctoral Consortium

2018 Wharton People Analytics Conference; Penn Institute for Urban Research Doctoral Symposium; Behavioral Decision Research in Management Conference; Behavioral Operations Conference; MSOM Conference; INSEAD-Wharton Doctoral Consortium; INFORMS Annual Meeting (x2)

2017 Wharton-INSEAD Doctoral Consortium; POMS Annual Conference; MSOM Conference

2016 INFORMS Revenue Management & Pricing Conference; Behavioral Operations Conference; INFORMS Annual Meeting

2015 MSOM Conference; INFORMS Annual Meeting

Teaching Experience

Instructor/Mentor, The Wharton School, University of Pennsylvania

    OIDD 299: Judgment and Decision Making Research Immersion (UG Elective), Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021

Teaching Assistant, The Wharton School, University of Pennsylvania

    OIDD 636: Scaling Operations (MBA Elective), Spring 2021
    OIDD 611: Quality and Productivity (MBA/EMBA Core), Fall 2019, Spring 2020, Fall 2020, Spring 2021
    Executive Education for The Vanguard Group (Lean Operations), Fall 2019
    OIDD 615: Operations Strategy (EMBA Core), Spring 2019
    OIDD 101: Introduction to Operations, Information, and Decision (UG Core), Fall 2018

Teaching Assistant, Massachusetts Institute of Technology

    15.730: Data, Models, and Decisions (EMBA Core), Spring 2015 (4.35/5)
    1.200: Transportation Systems Analysis: Performance and Optimization (SM/PhD Core), Fall 2014 (6.3/7), Fall 2015 (6.4/7)

Teaching Assistant, Brown University

    CSCI 40: Introduction to Scientific Computing and Problem Solving, Spring 2012
    ENGN 900: Managerial Decision Making, Spring 2012

Leadership and Service

Refereeing Service for Journals/Conferences

    Ad hoc referee for the following journals: *Service Science*

MSOM Conference Service Operations SIG, 2020

INFORMS Technology, Innovation Management and Entrepreneurship Section, 2020

Wharton-INSEAD Doctoral Consortium, 2018, 2019, 2020

Wharton Innovation Doctoral Symposium, 2019

Organization of Sponsored/Invited Sessions in International Conferences

Session Chair, Interpretable Data Mining Track, INFORMS Workshop on Data Mining and Decision Analytics, 2020

Session Chair, Empirical Research in Operations Management Track, INFORMS Annual Meeting, 2018

Other Leadership and Service

Coordinator, PhD Student Seminar, Wharton OID, 2018–2019

Senior Advisor, TEDxPenn, 2018–2019

Core Member, Penn Data Science Group, 2018

Executive Board, Wharton Doctoral Council, 2017–2018

Coordinator, Operations Management Journal Club, Wharton OID, 2017–2018

Graduate Associate, Stouffer College House, 2017–

PhD Student Mentor, Wharton Doctoral Council, 2017–

Director of Marketing, TEDxPenn, 2017–2018

Intercultural Leadership Fellow, University of Pennsylvania, 2016–

Mentor, Penn Graduate-Undergraduate Mentoring Program, 2016–

Student Advisory Board, Weingarten Learning Resources Center, 2016–2019

President, Thai Students at MIT, 2014–2015

Social Chair, MIT Association of Computational Science and Engineering Students, 2014–2015

Publicity Committee, MIT Ashdown House, 2014–2015

IS&T Student Technology Advisory Board (ISTAB), MIT, 2013–2014

College Hire Committee, Oracle Corporation, 2012–2013

President, Brown Thai Students Association, 2010–2011

Writer, Brown's The Critical Review, 2008–2010

Team Leader (Active Science Learning), Southeast Asian Service Leadership Network, 2009

Professional Memberships

Institute for Operations Research and Management Sciences (INFORMS)

Manufacturing and Service Operations Management Society (MSOM)

Production and Operations Management (POMS)

INFORMS Behavioral Operations Management Section

INFORMS Revenue Management and Pricing Section

Work Experience

TEDxPenn, Philaldephia, PA   9/2016–4/2019
Marketing Associate (2016), Director of Marketing (2017), Senior Advisor (2018)

Designed and conducted experiments to study consumer behavior and inform marketing strategies

Managed and led data-driven marketing campaigns that sold out 1,000 TEDxPenn Conference tickets and generated over $45,000 in annual revenue from sales and sponsorships

Deloitte Consulting, Boston, MA   2/2016–9/2016
Data Scientist, Strategy & Operations Consultant

> *Selected clients:* retail/healthcare (medication adherence study), foodservice distributor (supply chain optimization), non-profit healthcare (people analytics), beverage corporation (automation)

Goldman Sachs, New York, NY   6/2014–8/2014
Summer Analyst, Securities Strats

> Analyzed stock orders, predicted front-running likelihood, enhanced order routing algorithm to minimize risks and costs using predicted front-running likelihood, latency, and access to dark pools
>
> Backtested the algorithm with historical data and forecast $4 million in annual cost reduction

Oracle Corporation, Redwood Shores, CA   6/2012–9/2013
Software Engineer, Fusion Financials Development

> Developed platforms and tools to improve development workflow, including code coverage dashboard and merge-validation process optimization (Java, JSP, XML, and SQL)
>
> *College Hire Board of Committee*: Developed and organized training programs/bootcamps for new hires, led team-bonding and social events, and initiated employee wellness and peer learning programs

Symantec Corporation, Los Angeles, CA   6/2010–8/2010
Summer Intern, Research in Industrial Projects

> Designed and implemented a new algorithm based on variable-order Markov models and principal component analysis to test candidate malware signatures and minimize false positive rates

Skills

Mathematical/Statistical Tools: R, MATLAB, Mathematica, Gurobi, Stata
Programming: Java, Python, SQL, JavaScript, HTML, CSS
Languages: English (professional), Thai (native), Japanese (beginner, N5)

References

Gad Allon (Primary PhD Advisor)
Jeffrey A. Keswin Professor of Operations Management
Director of the Jerome Fisher Program
in Management & Technology
Operations, Information, and Decisions Department
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Serguei Netessine
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and Entrepreneurship
Vice Dean for Global Initiatives
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