Wichinpong **Park Sinchaisri**

Ph.D. Candidate in Operations Research
The Wharton School, University of Pennsylvania
3730 Walnut St Ste 500, Philadelphia, PA 19104

swich@wharton.upenn.edu
http://wichinpong.com

Research Interests

Behavioral operations management, people analytics, urban operations research, revenue management and pricing, social networks and learning, computational social science.

Education

The Wharton School, University of Pennsylvania, Philadelphia, PA   2016–2021 (expected)
Ph.D. Candidate in Operations, Information, and Decisions (Operations Research)
Certificate in Social, Cognitive, and Affective Neuroscience (In Progress)
Wharton Social Impact Initiative Fellow
Penn Institute for Urban Research Affiliated Ph.D. Scholar
Advisor: Gad Allon

Massachusetts Institute of Technology, Cambridge, MA   2013–2016
S.M. Computation for Design and Optimization
2014 Kaufman Teaching Certificate Program
Thesis: "Pricing with Quality Perception: Theory and Experiment"
Advisors: Georgia Perakis, Yanchong (Karen) Zheng

Brown University, Providence, RI   2008–2012
Sc.B. Computer Engineering and Applied Mathematics-Economics
Honors: Tau Beta Pi, Omicron Delta Epsilon, Sigma Xi

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

Publications

WORKING PAPERS

1. *"The Impact of Behavioral and Economic Drivers on Gig Economy Workers"*, with G. Allon, M. Cohen. Under review at *Management Science*.

   - Winner, 2018 Baker Retailing Center Research Grant

   - Selected talks: Wharton-INSEAD Doctoral Consortium 2017, Penn IUR Urban Doctoral Symposium 2018, Behavioral Decision Research in Management 2018, MSOM 2018, INSEAD-Wharton Doctoral Consortium 2018, INFORMS 2018
     Scheduled: POMS 2019

2. *"Markdown Pricing with Quality Perception and Consumer Optimism"*, with R. Hariss, G. Perakis, Y. Zheng. R&R at *Management Science*.

   - Honorable Mention, 2017 MIT ORC Best Student Paper

- Selected talks: MSOM 2015, INFORMS 2015, Revenue Management & Pricing Workshop 2016, Behavioral Operations Conference 2016, INFORMS 2016, POMS 2017, MSOM 2017

WORK IN PROGRESS

3. The Structural Model of Gig Economy Workers (with G. Allon, M. Cohen).

4. Urban Analytics through Community Vibrancy (with S. Jensen).

5. Decoding Consumer Learning (with K. Moon).

SELECTED TECHNICAL REPORTS

6. **W. Sinchaisri**, and T. Achakulvisut. Biases and (Dis)agreement in Fellowship Selection Process: Insights and Strategies. (2018) *Wharton People Analytics Conference*.

7. J. Cairns, J. Nguyen, **W. Sinchaisri**, and X. Zhong. Modeling with Too Much Training Data. (2010) *Research in Industrial Projects Program at the Institute for Pure and Applied Mathematics, UCLA*.

Selected Honors and Awards

Goldberg Barclay Fellowship	2018
Russell Ackoff Doctoral Student Fellowship ($785)	2018
Baker Retailing Center Research Grant ($5,000)	2018
2nd Place, Wharton People Analytics Conference Competition ($3,000)	2018
Wharton Social Impact Initiative Fellowship ($1,000)	2018
Albert M. Greenfield Intercultural Center Award	2017
Wharton Doctoral Fellowship (full funding)	2016–2021
USC Provost's Ph.D. Fellowship (full funding)	2016
MIT Graduate Research/Teaching Fellowship (full funding)	2014–2016
Winner and Best Design, Oracle College Hire Hackathon ($6,000)	2012
Karen T. Romers Undergraduate Teaching and Research Award ($1,000)	2011
UCLA IPAM Research in Industrial Projects Fellowship ($3,500)	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
Royal Thai Undergraduate Scholarship to study at Brown University (full funding)	2008–2012

Employment

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

- Helped clients solve their complex problems by bringing a data-driven approach to executable strategy as part of *InsightStudio's Data Science* team

- 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 big data of stock orders and predicted front-running likelihood

- Enhanced order routing algorithm to minimize risks and costs, using joint front-running likelihood, latency, hidden liquidity, and access to dark pools

- Backtested the algorithm with historical data; $4 million annual saving

- Created interactive data visualization for Javascript dependencies report using d3.js and developed the company's electronic trading platform, Marquee

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

- Leveraged financial and technical skills to efficiently enhance features for Fusion Financials Application Suites

- Developed tools to assist developers, including code coverage dashboard and merge validation process optimization using JSP, XML, and SQL

- Won the First Prize and Best Design at an annual firm-wide Hackathon for an iOS app that helps conference attendees navigate their visits, using Java/ADF Mobile

- Oracle College Hires (OCH) committee: organized on- and off-campus social events, invited speakers to share their experiences with new hires, and developed training programs/bootcamps for employees.

American International Assurance, Bangkok, Thailand 12/2010–1/2011
Corporate Actuarial Analyst Intern

- Helped with valuation program enhancement and reporting

- Forecast reserves required for top policies, that generated 85% of revenue, using Prophet and Visual FoxPro.

- Assisted with designing new policies based on current trends and calculating profit-maximizing models of premiums and benefits.

- Wrote reinsurance agreements and English manual for future interns.

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

- Designed a variable-order Markov algorithm to test and minimize false positive rates of malware signatures and simulated test cases in MATLAB/C++

Teaching

1. Teaching Assistant | The Wharton School   Fall 2017
   OIDD 101: Introduction to Operations, Information, and Decisions
   Undergraduate Business Fundamentals course taught by Ken Moon and Hummy Song.

2. Teaching Assistant | MIT   Fall 2014, 2015
   1.200: Transportation Systems Analysis: Performance and Optimization
   Transportation S.M./Ph.D. core course taught by Carolina Osorio, Amadeo Odoni, and James Orlin.
   Developed class materials, led weekly recitations, designed/graded problem sets and exams.
   Overall rating: 6.3/7.0 (2014), 6.4/7.0 (2015)

3. Teaching Assistant | MIT   Spring 2015
   15.730: Data, Models, and Decisions
   Executive MBA Core course taught by Georgia Perakis.
   Led recitations, graded problem sets, case studies, and exams, designed online experiments.

4. Teaching Assistant | Brown University   Spring 2012
   ENGN 900: Managerial Decision Making
   Undergraduate course taught by Barrett Hazeltine.
   Led weekly discussion sessions, graded written assignments, mentored students on final projects.

5. Teaching Assistant | Brown University   Spring 2012
   CSCI 40: Introduction to Scientific Computing and Problem Solving
   Undergraduate MATLAB/Python programming course taught by Maurice Herlihy.
   Led weekly lab sessions, designed/graded coding assignments, mentored students on final projects.

Selected Leadership and Service

Director of Marketing and Operations, TEDxPenn   2017–

Executive Board, Wharton Doctoral Council   2017–

Graduate Associate, Stouffer College House   2017–

Intercultural Leadership Fellow, University of Pennsylvania   2016–

Student Advisory Board, Weingarten Learning Resources Center   2016–

Mentor, Penn Graduate-Undergraduate Mentoring Program   2016–

President, Thai Students at MIT   2014–2015

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

College Hire Committee, Oracle Corporation   2012–2013

Consultant, Collegiate Consulting Group   2011–2012

Skills

Mathematical/Statistical Tools: R, MATLAB, Python, Mathematica, Stata, Gurobi

Programming: Java, Python, MySQL, JavaScript, HTML, CSS

Languages: English (professional), Thai (native), currently learning Mandarin and Japanese