

Jerry Anunrojwong

CONTACT

Kravis Hall 990-14
665 West 130th St, Columbia University
New York, NY 10027

Phone: +1 (212) 810-9067
E-mail: jerryanunroj@gmail.com
JAnunrojwong25@gsb.columbia.edu
Webpage:
<https://jerryanunroj.github.io/>

RESEARCH INTERESTS

My research to date has explored various important dimensions in market design, ranging from robustness to information levers and the integration of batteries in electricity markets. More generally, I am interested in markets broadly construed, and the operational challenges associated with the energy transition and sustainability.

EDUCATION

Columbia University, Graduate School of Business

New York, NY

- Ph.D. candidate in [Decision, Risk, and Operations](#)
- Advisors: Omar Besbes, Santiago R. Balseiro

2020–present

Harvard University

Cambridge, MA

- A.M. in Statistics
- A.B. in Applied Mathematics
- Advisor: Yiling Chen

2014–2018

WORKING PAPERS

W4. “Battery Operations in Electricity Markets: Strategic Behavior and Distortions.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes, Bolun Xu. [\[Link\]](#)

- Under Review, *Management Science*.

W3. “Robust Auction Design with Support Information.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes. **ACM Conference on Economics and Computation (EC), 2023.** [\[Link\]](#)

- **Minor Revision, *Management Science*.**
- ACM Conference on Economics and Computation (EC), 2023.
(Conference version: C6)

W2. “The Best of Many Robustness Criteria in Decision Making: Formulation and Application to Robust Pricing.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes. [\[Link\]](#)

- Under Review, *Management Science*.

W1. “Social Learning Under Platform Influence: Consensus and Persistent Disagreement.” Ozan Candogan, Nicole Immorlica, Bar Light, Jerry Anunrojwong. [\[Link\]](#)

- **Major Revision at *Operations Research*.**

JOURNAL PUBLICATIONS

J3. “On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes. **Operations Research, forthcoming.** [\[Link\]](#)

- **Finalist, George Nicholson Student Paper Competition, 2022.**
- ACM Conference on Economics and Computation (EC), 2022.
- Spotlight Presentation, Revenue Management and Pricing (RMP) conference, 2022.

J2. “Persuading Risk-Conscious Agents: A Geometric Approach.” Jerry Anunrojwong, Krishnamurthy Iyer, David Lingenbrink. **Operations Research**, 2023. [\[Link\]](#)

- Conference on Web and Internet Economics (WINE), 2019.

J1. “Information Design for Congested Social Services: Optimal Need-Based Persuasion.” Jerry Anunrojwong, Krishnamurthy Iyer, Vahideh Manshadi. **Management Science**, 2022. [\[Link\]](#)

- ACM Conference on Economics and Computation (EC), 2020.
- **MSOM Service SIG**, 2021 (10 selected out of 100).
- Oral Presentation, Workshop on Mechanism Design for Social Good (MD4SG), 2020.
- *Management Science Review* Featured Article. [\[Link\]](#)

REFEREED
CONFERENCE
PUBLICATIONS

C6. “Robust Auction Design with Support Information.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes. **ACM Conference on Economics and Computation (EC)**, 2023. [\[Link\]](#)

- Working version: W3.

C5. “On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes. **ACM Conference on Economics and Computation (EC)**, 2022. [\[Link\]](#)

- Journal version: J3.

C4. “Information Design for Congested Social Services: Optimal Need-Based Persuasion.” Jerry Anunrojwong, Krishnamurthy Iyer, Vahideh Manshadi. **ACM Conference on Economics and Computation (EC)**, 2020. [\[Link\]](#)

- Journal version: J1.

C3. “Persuading Risk-Conscious Agents: A Geometric Approach.” Jerry Anunrojwong, Krishnamurthy Iyer, David Lingenbrink. **Conference on Web and Internet Economics (WINE)**, 2019. [\[Link\]](#)

- Journal version: J2.

C2. “Computing Equilibria of Prediction Markets via Persuasion.” Jerry Anunrojwong, Yiling Chen, Bo Waggoner, Haifeng Xu. **Conference on Web and Internet Economics (WINE)**, 2019. [\[Link\]](#)

C1. “Naive Bayesian Learning in Social Networks.” Jerry Anunrojwong, Nat Sothanaphan. **ACM Conference on Economics and Computation (EC)**, 2018. [\[Link\]](#)

HONORS AND
AWARDS

• Deming Doctoral Fellowship	2024–2025
• Finalist, George Nicholson Student Paper Competition	2022
• Asenath Marie and Duncan Merriwether Fellowship	2022–2023
• Doctoral Fellowship, Columbia Business School	2020–2025
• Phi Beta Kappa, Harvard College	2018
• Top 100, William Lowell Putnam Mathematical Competition	2014
• King’s Scholarship (full-ride, merit-based scholarship for undergraduate studies abroad; awarded by the King of Thailand to 9 students nationally each year)	2013
• Gold Medal, International Mathematical Olympiad	2012

PROFESSIONAL SERVICES	<ul style="list-style-type: none"> • Co-founder and co-organizer of Columbia Energy Operations and Markets Reading Group, 2024. • Reviewer for <i>American Economic Review: Insights</i>, 2024. • Reviewer for <i>Management Science</i>, 2023–2024. • Reviewer for <i>ACM-SIAM Symposium on Discrete Algorithms (SODA)</i>, 2024. • Reviewer for <i>Conference on Web and Internet Economics (WINE)</i>, 2021. • Subreviewer for <i>ACM Conference on Economics and Computation (EC)</i>, 2021.
TEACHING EXPERIENCE	<p>Instructor</p> <ul style="list-style-type: none"> • Real Analysis Math Camp for incoming PhD students (Columbia) Fall 2021 <p>Teaching Assistant</p> <ul style="list-style-type: none"> • Operations Management (Columbia MBA) Spring 2024 • Business Analytics (Columbia MBA) Spring 2023 • Demand Analytics (Columbia MSBA) Fall 2021 • Markets for Networks and Crowds (Harvard) Fall 2017 • Data Science II (Harvard) Spring 2017 • Mathematics in the World (Harvard) Spring 2015
INDUSTRY EXPERIENCE	<p>Data Scientist → Senior Data Scientist, Agoda 2019 – 2020</p> <p>Research Affiliate, MIT 2018 – 2020</p> <p>Research Affiliate, Chulalongkorn University 2018 – 2020</p> <p>Trading & Quantitative Research Intern, Citadel Securities Summer 2017</p> <p>Quantitative Research Intern, Cubist Systematic Strategies January 2017</p> <p>Research Intern, Ellington Management Group Summer 2016</p> <p>Research Intern, Harvard BLISS (social science summer research) Summer 2015</p>
SELECTED PRESENTATIONS	<p><i>Battery Operations in Electricity Markets: Strategic Behavior and Distortions</i></p> <ul style="list-style-type: none"> • INFORMS Annual Meeting, Seattle October 2024 • Cornell Young Researchers Workshop (poster), Ithaca October 2024 • Gridmatic Company, Cupertino July 2024 • Manufacturing & Service Operations Management (MSOM) conference, Minneapolis July 2024 • Marketplace Innovation Workshop (MIW), virtual May 2024 <p><i>The Best of Many Robustness Criteria in Decision Making: Formulation and Application to Robust Pricing</i></p> <ul style="list-style-type: none"> • Revenue Management and Pricing (RMP) conference, Los Angeles July 2024 <p><i>Robust Auction Design with Support Information</i></p> <ul style="list-style-type: none"> • Analytics for X conference, National University of Singapore August 2024 • Rotman Young Scholar Seminar Series, virtual January 2024 • INFORMS Annual Meeting, Phoenix October 2023 • Economics and Computation (EC) conference, London July 2023 • Revenue Management and Pricing (RMP) conference, London July 2023 • Manufacturing & Service Operations Management (MSOM) conference, Montreal June 2023 • Marketplace Innovation Workshop (MIW), virtual May 2023

On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design

- INFORMS Annual Meeting, Indianapolis October 2022
- Economics and Computation (EC) conference, Boulder July 2022
- Manufacturing & Service Operations Management (MSOM) conference, Munich June 2022
- Revenue Management and Pricing (RMP) conference, virtual June 2022
- Marketplace Innovation Workshop (MIW), virtual May 2022

Information Design for Congested Social Services: Optimal Need-Based Persuasion

- MSOM Service SIG, virtual June 2021
- Workshop on Mechanism Design for Social Good, virtual August 2020
- Economics and Computation (EC) conference, virtual July 2020

Persuading Risk-Conscious Agents: A Geometric Approach

- Web and Internet Economics (WINE) conference, New York December 2019
- Behavioral EC workshop (poster), Phoenix June 2019

Computing Equilibria of Prediction Markets via Persuasion

- Web and Internet Economics (WINE) conference, New York December 2019

Naive Bayesian Learning in Social Networks

- Economics and Computation (EC) conference, Ithaca June 2018

REFERENCES

Professor Omar Besbes

Vikram S. Pandit Professor of Business
Decision, Risk, and Operations
Columbia Business School
E-mail: ob2105@gsb.columbia.edu
Phone: +1 (646) 387-3190

Professor Santiago R. Balseiro

Associate Professor of Business
Decision, Risk, and Operations
Columbia Business School
E-mail: srb2155@gsb.columbia.edu
Phone: +1 (646) 460-1264

Professor Vahideh Manshadi

Michael H. Jordan Professor of Operations
Yale School of Management
E-mail: vahideh.manshadi@yale.edu
Phone: +1 (650) 714-9120

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