

Jerry Anunrojwong

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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 • Ph.D. candidate in Decision, Risk, and Operations • Advisors: Omar Besbes, Santiago R. Balseiro	New York, NY 2020–present
	Harvard University • A.M. in Statistics • A.B. in Applied Mathematics • Advisor: Yiling Chen	Cambridge, MA 2014–2018
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. • <i>Management Science Review</i> Featured Article. [Link]	
SUBMITTED TO REFEREED JOURNALS	W4. “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)	

W3. “Social Learning Under Platform Influence: Consensus and Persistent Disagreement.” Ozan Candogan, Nicole Immorlica, Bar Light, Jerry Anunrojwong. [\[Link\]](#)
 • **Major Revision at *Operations Research*.**

W2. “Battery Operations in Electricity Markets: Strategic Behavior and Distortions.” Jerry Anunrojwong, Santiago R. Balseiro, Omar Besbes, Bolun Xu. [\[Link\]](#)
 • Under Review, *Management Science*.

W1. “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*.

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: W4.

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

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