December, 2023

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Professional Academic Experience

STANFORD GRADUATE SCHOOL OF BUSINESS

The Amman Mineral Professor of Operations, Information & Technology
May 2022 – present

Professor of Operations, Information & Technology
July 2021 – April 2022

Associate Professor of Operations, Information & Technology (tenured)
July 2016 – June 2021

COLUMBIA BUSINESS SCHOOL

Associate Professor of Business (tenured)
Decision, Risk, & Operations Division
July 2015 – June 2016

Sidney Taurel Associate Professor of Business (untenured)
Decision, Risk, & Operations Division
January 2013 – June 2015

Associate Professor (untenured)
Decision, Risk, & Operations Division
July 2010 – December 2012

Assistant Professor.
Decision, Risk, & Operations Division.
July 2006 – June 2010

HARVARD KENNEDY SCHOOL OF GOVERNMENT

Visiting Scholar
Mossavar-Rahmani Center for Business and Government
July 2006 – June 2007

UNIVERSITY OF CHILE

Full time Instructor.
Industrial Engineering Department.
November 1999 – August 2001.

Education

STANFORD UNIVERSITY, Stanford, CA

Ph.D. in Management Science and Engineering, 2001-2006.
M.A. in Economics, 2005.

UNIVERSITY OF CHILE, Santiago, Chile
Industrial Engineering Degree, 1993-1999 (graduated with Highest Honors).
Bachelor Degree in Industrial Engineering, 1993-1997 (graduated with Highest Honors).

Research Interests

Management science, operations, data science, online platforms, market design, and industrial organization,

Working Papers and Work in Progress

Dhaouadi, W., R. Johari, and G.Y. Weintraub (2023), Price Experimentation and Interference in Online Platforms, *working paper.*

Li, H., R. Johari, I. Liskovich, R. Lobel, A. Murthy, and G.Y. Weintraub (2023), Quantifying the Effect of Interference on Platform Decisions, *work in progress.*

Goke, S., G.Y. Weintraub, R. Mastromonaco, and S. Seljan (2022), Bidders' Responses to Auction Format Change in Internet Display Advertising Auctions, *major revision requested by Management Science*.

M. Olivares, D. Saban, G.Y. Weintraub, E. Lara, P. Zanocco, and P. Moreno (2023), Redesigning Framework Agreements in Chile Reduces Government Spending, revised and resubmitted to *INFORMS Journal on Applied Analytics.*

Benkard, C.L., P. Jeziorski, and G.Y. Weintraub (2019), Transitional Market Dynamics in Complex Environments, *working paper*. [Supersedes *Weintraub, G.Y., C.L. Benkard, P. Jeziorski, and B. Van Roy (2008), Nonstationary Oblivious Equilibrium*].

Published and Forthcoming Papers

Johari, R., Light, B., and G.Y. Weintraub (2023), Quality Selection in Two-Sided Markets: A Constrained Price Discrimination Approach, forthcoming at *Operations Research*.

Basso, L., M, Goic, M. Olivares, D. Saure, C. Thraves, A. Carranza, G.Y. Weintraub, et. al. (2022) Analytics Saves Lives During the Covid-19 Crisis in Chile, forthcoming at *Special Issue INFORMS Journal on Applied Analytics for the Edelman Award 2022, winning project.*

J. Choi, D. Saban and G.Y. Weintraub (2023), The Design of Optimal Pay-as-Bid Procurement Mechanisms, *M&SOM*, Vol. 25, No. 2.

Li, H., G. Zhao, R. Johari, and G.Y. Weintraub (2022), Interference, Bias, and Variance in Two-Sided Marketplace Experimentation: Guidance for Practitioners, *Proceedings of The Web Conference 2022* (full paper).

Johari, R., H. Li, I. Liskovich, and G.Y. Weintraub (2022), Experimental Design in Two-Sided Platforms: An Analysis of Bias, *Management Science*, Vol. 68, No. 10, 7065-7791 *(featured article)* [*Part of the thesis awarded with the 2023 George B. Dantzig Dissertation Award, Winner of MSOM SIG Best Paper Award in Service Management, 2nd place RMP Jeff McGill Student Paper Award 2021].*

Carranza, A., M. Goic, E. Lara, M. Olivares, G.Y. Weintraub, et.al. (2022), The Social Divide of Social Distancing: Shelter-in-Place Behavior in Santiago during the Covid-19 Pandemic, *Management Science,* Vol. 68, No. 3 *(fast-track) [Part of the project that won the Edelman Award 2022].*

Bergemann, D., F. Castro, and G.Y. Weintraub (2022), Third-Degree Price Discrimination Versus Uniform Pricing, *Games and Economic Behavior*, Vol. 131.

Light, B. and G.Y. Weintraub (2022), Mean Field Equilibrium: Uniqueness, Existence, and Comparative Statics, *Operations Research,* Vol. 70, No. 1.

Saban, D. and G.Y. Weintraub (2021), Procurement Mechanisms for Assortments of Differentiated Products, *Operations Research,* Vol. 69, No. 3, 683-1013. *[Part of thesis finalist of 2015 INFORMS George Dantzig Dissertation Award. Second place 2015 M&SOM Student Paper Competition]*

Bergemann, D., F. Castro, and G.Y. Weintraub (2020), The Scope of Sequential Screening with Ex-Post Participation Constraints, *Journal of Economic Theory,* Vol. 188.

Balseiro, S., O. Besbes, and G.Y. Weintraub (2019), Dynamic Mechanism Design with Budget Constrained Buyers Under Limited Commitment, *Operations Research*, Vol. 67, No. 3, 711-730.

Gur, Y., L. Lu, and G.Y. Weintraub (2017), Framework Agreements in Procurement: An Auction Model and Design Recommendations, *Manufacturing & Service Operations Management*, Vol. 19, No. 4, 568-585.

Ifrach, B. and G.Y. Weintraub (2017), A Framework for Dynamic Oligopoly in Concentrated Industries, *The Review of Economic Studies*, Vol. 84, No. 3, 1106-1150.

Benkard, C.L., P. Jeziorski, and G.Y. Weintraub (2015), Oblivious Equilibrium for Concentrated Industries, *The RAND Journal of Economics*, Vol. 46, No. 4 (Winter), 671-708.

Balseiro, S., O. Besbes, and G.Y. Weintraub (2015), Repeated Auctions with Budgets in Ad Exchanges: Approximations and Design, *Management Science*, Vol. 61, No. 4, 864-884. *[Part of thesis that received the 2014 INFORMS George Dantzig Dissertation Award. Finalist paper 2014 INFORMS George Nicholson Student Paper Competition.]*

Kim, S. W., M. Olivares and G.Y. Weintraub (2014), Structural Estimation of a Large-Scale Combinatorial Auction, *Management Science,* Vol. 60, No. 5 (May), 1180-1201. *[Finalist paper 2012 M&SOM Student Paper Competition]*

Njoroge, P., A. Ozdaglar, N. Stier, and G.Y. Weintraub (2013), Investment in Two Sided Markets and the Network Neutrality Debate, *Review of Network Economics,* Vol. 12, No. 4 (December), 355-402.

Adlakha, S., R. Johari, and G.Y. Weintraub (2015), Equilibria of Dynamic Games with Many Players: Existence, Approximation, and Market Structure, *Journal of Economic Theory*, Vol. 156, 269-316 (Special Issue on Computer Science and Economic Theory).

Farias, V,. D. Saure, and G.Y. Weintraub (2012), An Approximate Dynamic Programming Approach to Solving Dynamic Oligopoly Models, *The RAND Journal of Economics*, Vol. 43, No. 2 (Summer), 253-282. *[A previous version of this paper received the second place in the 2009 Informs JFIG paper competition.]*

Olivares, M., G.Y. Weintraub, R. Epstein, and D. Yung (2012), Combinatorial Auctions for Procurement: An Empirical Study of the Chilean School Meals Auction, *Management Science*, Vol. 58, No. 8 (August),1458-1481.

DiPalantino, D., R. Johari, and G.Y. Weintraub (2011), Competition and Contracting in Service Industries, *Operations Research Letters*, Vol. 39, 390-396.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2011), Industry Dynamics: Foundations for Models with an Infinite Number of Firms, *Journal of Economic Theory*, Vol. 146, 1965-1994.

Johari, R., G.Y. Weintraub, and B. Van Roy (2010), Investment and Market Structure in Industries with Congestion, *Operations Research,* Vol. 58, No. 5, 1303-1317.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2010), Computational Methods for Oblivious Equilibrium, *Operations Research (Special Issue in Computational Economics)*, Vol. 58, No. 4, 1247-1265.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2008), Markov Perfect Industry Dynamics with Many Firms, *Econometrica,* Vol. 76, No. 6 (November), 1375–1411.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, C. Martínez and F. Espejo (2004), A Combinatorial Auction Improves School Meals in Chile: a Case of Operations Research in Developing Countries, *International Transactions in Operational Research*, Vol. 11, No. 6, 593-612 [*Special issue, IFORS "Operations Research for Development" Prize 2002, winner paper*].

Mondschein, S. and G.Y. Weintraub (2003), Appointment Policies in Service Operations: A Critical Analysis of the Economic Framework, *Production and Operations Management,* Vol. 12, No. 2, 266-286.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, and C. Martínez (2002), A Combinational Auction Improves School Meals in Chile, *Interfaces,* Vol. 32, No. 6, 1-14.

Refereed Conference Proceedings

Goke, S., G.Y. Weintraub, R. Mastromonaco, and S. Seljan (2022), Bidders' Responses to Auction Format Change in Internet Display Advertising Auctions, *ACM Conference on Economics and Computation*.

R. Johari, H. Li, and G.Y. Weintraub (2020), Experimental Design in Two-Sided Platforms: An Analysis of Bias, *ACM Conference on Economics and Computation.*

Bergemann, D., F. Castro, and G.Y. Weintraub (2017), "The Scope of Sequential Screening with Ex-Post Participation Constraints," *ACM Conference on Economics and Computation.*

Balseiro, S., O. Besbes, and G.Y. Weintraub (2016), Dynamic Mechanism Design with Budget Constrained Buyers Under Limited Commitment, *ACM Conference on Economics and Computation.*

Saban, D. and G.Y. Weintraub (2015), Procurement Mechanisms for Differentiated Products, *ACM Conference on Economics and Computation.*

Balseiro, S., O. Besbes, and G.Y. Weintraub (2013), Auctions for Online Display Advertising Exchanges: Approximations and Design, *ACM Conference on Electronic Commerce*.

Kim, S. W., M. Olivares and G.Y. Weintraub (2013), Structural Estimation of a Large-Scale Combinatorial Auction, *ACM Conference on Electronic Commerce.*

Gur, Y., G.Y. Weintraub, and D. Escobar (2012), A Procurement Auction Model for Framework Agreements, in *Charting a Course in Public Procurement Innovation and Knowledge Sharing*, 10% of papers submitted to the *2012 International Public Procurement Conference* selected for publication.

Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2010), On Oblivious Equilibrium for Large Population Stochastic Games, *IEEE Conference on Decision and Control.*

Njoroge, P., A. Ozdaglar, N. Stier, and G.Y. Weintraub (2009), Competition, Market Coverage, and Quality Choice in Interconnected Platforms, NetEcon Workshop.

Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2008), Oblivious Equilibrium for Large-Scale Stochastic Games with Unbounded Costs, *IEEE Conference on Decision and Control.*

Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2008), Oblivious Equilibrium for Stochastic Games with Concave Utility, *Allerton Conference on Communications, Control and Computing.*

Abhishek, V., S. Adlakha, R. Johari, and G.Y. Weintraub (2007), Oblivious Equilibrium for General Stochastic Games with Many Players, *Allerton Conference on Communications, Control and Computing.*

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2005), Oblivious Equilibrium: A Mean Field Approximation for Large-Scale Dynamic Games, *Advances in Neural Information Processing Systems*, MIT Press.

Other Publications

Co-authored MBA teaching case and teaching note, "Beleza Natural" (2012).

Catalán, J., R. Epstein, M. Guajardo, L. Henríquez, C. Martínez, G.Y. Weintraub, and D. Yung (2009), No Such Thing as a Free Lunch?, *OR/MS Today*, April 2009.

Epstein, R., L. Henríquez, F. Espejo, J. Catalán, G.Y. Weintraub, and C. Martínez (2003), An Example of Optimization, *Perspectivas en Política, Economía y Gestión*, Vol. 6, No. 2, 181-202.

Mondschein, S. and G.Y. Weintraub (2001), Is it Convenient to Make Appointments in a Service Company?, *Revista de Ingeniería de Sistemas*, Vol. 16, No. 1, 21-48.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, and C. Martínez (2001), Integer Programming Improves the Auction Process of School Meals, *Revista de Ingeniería de Sistemas,* Vol. 15, No. 1, 13-30.

Teaching Experience

Co-Director, Powering Digital Value Chains, Virtual Exec-Ed program (2021).

Operational, Economic, and Statistical Modeling in the COVID-19 Crisis, PhD course, Stanford GSB (Autumn 2020), co-taught with Carri Chan (Columbia).

Empirics of Online Markets, PhD course, Stanford GSB (Winter 2019, Autumn, 2020).

Entrepreneurship and Innovation in Latin America, Santiago Bing Overseas Studies Program (newly developed course), Stanford U. (Autumn 2018, Autumn 2022).

Data Science for Platforms, MBA Elective (newly developed course, co-taught with R. Johari in 2018 and 2019), Stanford GSB (Spring 2018, 2019, 2020, 2021, 2022).

Online Marketplaces, MBA Foundations (newly developed course), Stanford GSB (Spring 2017, 2018, 2019, 2020, 2021, 2022).

Various executive education lectures, Stanford GSB (2016-present).

Economics and Optimization of Online Marketplaces, PhD Course, Columbia Business School (Spring 2015).

Operations Management, Core MBA course, Columbia Business School (Summer 2007, Spring 2008, Fall 2008, Spring 2009, Fall, 2009, Fall 2010, Fall 2011, Fall 2012, Spring 2014, Spring 2015, Spring 2016).

Game Theoretic Models in Operations, PhD Course, Columbia Business School (Spring 2008, Spring 2010, Spring 2013).

Various executive education lectures, Columbia Business School (2008-2016)

Stochastic Models (undergraduate), Department of Industrial Engineering, University of Chile (Fall and Spring, 2000; Fall 2001).

Optimization (undergraduate), Department of Industrial Engineering, University of Chile (Spring, 1999 and Fall, 2000).

Student Advising and Collaborations

Je-ok Choi, PhD 2023, ICME, Stanford, co-advised with Daniela Saban. First position: Moloco Data Science.

Aldo Carranza, PhD 2023, ICME, Stanford, primary advisor Susan Athey.

Shumpei Goke, PhD 2022, Economics Department, Stanford, primary advisor Brad Larsen. First position: Lyft Data Science.

Hannah Li, PhD 2022, MS&E, Stanford, co-advised with Ramesh Johari. First position: Post-Doc MIT CSAIL and Assistant Prof. Columbia DRO.

Bar Light, PhD 2021, Operations, Information & Technology, Stanford GSB, co-advised with Ramesh Johari. First position: Post-doc MSR and Assistant Prof. Tel-Aviv U. Stats/OR.

Francisco Castro, PhD 2019, Decision, Risk and Operations, Columbia Business School, co-advised with Omar Besbes and Ilan Lobel. First position: Post-doc Uber, Assistant Prof. UCLA Anderson.

Eyal Levy, MSc 2017, Operations Management, University of Chile, co-advised with Marcelo Olivares. First position: Consultant IE Univ. of Chile.

Daniela Saban, PhD 2015, Decision, Risk and Operations, Columbia Business School, co-advised with Jay Sethuraman. First position: Assistant Prof., Stanford GSB.

Lijian Lu, PhD 2016, Decision, Risk and Operations, Columbia Business School, co-advised with Awi Federgruen. First position: Goldman Sachs.

Yonatan Gur, PhD 2014, Decision, Risk and Operations, Columbia Business School, primary advisors Omar Besbes and Assaf Zeevi. First position: Assistant Prof. Stanford GSB.

Santiago Balseiro, PhD 2013, Decision, Risk and Operations, Columbia Business School, co-advised with Omar Besbes. First position: Assistant Prof. Duke Fuqua Business School.

Sang Won Kim, PhD 2013, Decision, Risk and Operations, Columbia Business School, co-advised with Marcelo Olivares. First position: Assistant Prof., The Chinese Univ. of Hong Kong.

Bar Ifrach, PhD 2012, Decision, Risk and Operations, Columbia Business School, co-advised with Costis Maglaras. First position: Post-doc MS&E Stanford Univ.

Denis Saure, PhD 2010, Decision, Risk and Operations, Columbia Business School, primary advisor Assaf Zeevi. First position: Assistant Prof. IE Pittsburg Univ.

Sachin Adlakha, PhD 2010, Electrical Engineering, Stanford University, primary advisors Andrea Goldsmith and Ramesh Johari. First position: Post-doc Caltech.

Paul Njoroge, PhD 2010, Laboratory for Information and Decision Systems (LIDS), MIT, primary advisor Asu Ozdaglar. First position: Corporate research Liberty Mutual.

Daniel Yung, MSc 2009, Operations Management, University of Chile, co-advised with Marcelo Olivares and Rafael Epstein. First position: Consultant IE Univ. of Chile.

Honors and Awards

Edelman Award 2022: part of the Chilean team that received the 2022 Edelman Award (Informs top prize for applied analytics) for using data and analytics to improve response strategies to the COVID-19 pandemic.

MSOM Young Scholar Prize 2015 that "recognizes exceptional young researchers who have made outstanding contributions to scholarship in operations management".

IFORS (International Federation of Operational Research Societies) Prize for "Operations Research in Development 2002," given every three years to the best application of operations research/management science in a developing country.

Co-advisor of Hannah Li, recipient of the 2023 George B. Dantzig Dissertation Award, and 2nd place RMP Jeff McGill Student Paper Award 2021.

Winner of MSOM SIG Best Paper Award in Service Management with the paper "Experimental Design in Two-Sided Platforms: An Analysis of Bias."

2017-2019 Lacob Family Faculty Scholar, Stanford GSB.

Co-advisor of Daniela Saban, finalist of the 2015 INFORMS George Dantzig Dissertation Award.

Second place 2015 M&SOM Student Paper Competition with the paper "Procurement Mechanisms for Differentiated Products", advising Daniela Saban.

Finalist 2014 INFORMS George Nicholson Student Paper Competition with the paper "Repeated Auctions with Budgets in Ad Exchanges: Approximations and Design", co-advising Santiago Balseiro.

Co-advisor of Santiago Balseiro, recipient of the 2014 INFORMS George Dantzig Dissertation Award.

Finalist 2012 M&SOM Student Paper Competition with the paper "Structural Estimation of a Large-Scale Combinatorial Auction", co-advising Sang Won Kim.

Second Place 2009 Informs JFIG paper competition for the paper "An Approximate Dynamic Programming Approach to Solving Large Scale Dynamic Oligopoly Models" (with V. Farias, and D. Saure).

Stanford School of Engineering Fellowship, 2001-2002.

Chilean "Presidential Fellowship" 2001 for graduate studies abroad (declined).

Best Student Award of the 1999 class of the School of Engineering, University of Chile.

Best Teaching Assistant Award 1998, Industrial Engineering Department, University of Chile.

Dean's List 1993-1999, School of Engineering, University of Chile.

University of Chile School of Engineering Fellowship, 1993.

Grants

Stanford RISE COVID-19 Crisis Response Faculty Seed Grant, 2020.

Fondef Chile, Fund for the Promotion of Scientific and Technological Development, together with U. of Chile and Dirección ChileCompra, 2017-2018.

Chile – Columbia University Fund Grant 2014.

Chazen/CIBER Columbia Business School research grants, 2010, 2012, 2013.

The Social Enterprise Program research grant, Columbia Business School, 2008-2010.

NET Institute summer grant, 2007, 2012.

Lillie Fund 2004 and 2005 for collaborative projects between the School of Engineering and Graduate School of Business, Stanford University (one quarter assistantship each).

Co-principal investigator, Fondecyt project, 2001, Chile (NSF equivalent).

Invited Presentations and Conferences

2023: Management Science Workshop, Market Design Workshop, U. of Chile, Catholic U. of Chile, U. of Santiago, Ifors Conference, Informs, Stanford GSB/HAI AI Workshop, AI meet up ALLVP Mexico City and Santiago.

2022: Informs Business Analytics (Edelman Presentation), Marketplace Innovation Workshop (Plenary speaker), "Highlights Beyond EC" ACM EC Conference (Plenary), American U., Bielefield U., Amazon Data Science, U. of Chile.

2021: Wharton, Maryland Smith School, Berkeley Haas, Uber Data Science, RMP Conference (discussant), UC Riverside, U. of Chile, Stanford Pandemic Puzzle, Informs.

2020: Empirical Workshop in OM, Mathematical Modeling Workshop Covid in Chile, Informs.

2019: Harvard Business School, Michigan Ross, Stanford GSB, Stanford Economics, Amazon Pricing Research Team, Santa Clara Leavey, U. of Chile, Informs.

2018: Chicago Booth, Kellogg, U. of Chile Industrial Eng. Dept. and Economics Dept., Catholic U. of Chile Economics Dept. and Government School, MSOM Service SIG, IO Workshop (TOI) Chile.

2017: Stanford Market Design Workshop, U. of Chile, Tel-Aviv U., Rice U., Utah Winter Operations Conference, Workshop on Economic Experiments in the Tech Industry (invited panel moderator), PakesFest, Informs.

2016: UNC Economics, Facebook Data Science, Uber Data Science, AppNexus Publisher Summit (Ad tech industry event), Yield Executive Summit (Ad tech industry event).

2015: Invited Session European Economic Association Meetings, NBER Market Design, Kellogg, Toulouse School of Economics, UT Dallas School of Management, Microsoft Research New England, Penn Workshop on Multiunit Allocation (invited speaker), ACM EC Conference, Revenue Management Conference, Informs, TOI Chile.

2014: Chicago Booth Applied Theory, Duke Fuqua, USC Marshall, Wisconsin Economics, NYU IO Day, Adolfo Ibañez Business School, Google Research NYC, Informs Annual Meeting, Columbia Business School Annual Media Forum Meeting.

2013: Columbia Business School, MIT ORC, NYU Stern, Stanford GSB, Wharton, Harvard Economics, University of Chile, ACM Conference on Electronic Commerce, NET Institute Conference, M&SOM Conference, M&SOM SIG Supply Chain Conference (discussant), Informs Annual Meeting, invited speaker INGP Annual Conference (conference for national directors, and high level executives from all government procurement agencies in the Americas), IO Workshop (TOI) Chile.

2012: Caltech SISL, London School of Economics, Stanford GSB Structural IO Lunch, Stanford MS&E, NBER IO Summer Institute, MSOM SIG Service Conference, MSOM Conference, U. Of Pittsburgh IE, Utah Winter Operations Conference, Society for Economic Dynamics Annual Meeting, University of Chile.

2011: Chicago GSB, Maryland Economics, U. of Virginia Systems Engineering, University of Chile, International Industrial Organization Conference, Workshop for Empirical Research in Operations Management (discussant), Informs Annual Meeting.

2010: CMU Tepper, Michigan Ross, London Business School, Insead, UT Austin Economics, University of Chile, Informs Annual Meeting, MSOM Conference.

2009: Kellogg, GERAD/HEC Montreal, Columbia Business School, NYU/Kansas City Fed Workshop on Computational Economics (invited speaker), M&SOM Conference, M&SOM SIG Conference (discussant), Informs Annual Meeting, Workshop for Empirical Research in Operations Management, Econometric Society Summer Meeting.

2008: MIT Sloan, Stanford MS&E, Stanford GSB, NET Institute Conference (NYU Stern), Informs Annual Meeting, M&SOM Conference, World Congress of the Game Theory Society.

2007: NYU Stern, Cornell Johnson School, Informs Annual Meeting, International Industrial Organization Conference; plenary speaker SKM Congress 2007, Santiago, Chile (conference on Business Intelligence for 500 executives).

2006: Columbia Business School, Duke Fuqua School, Iowa Economics Dept., Rochester Simon School, UCLA Anderson School, UIUC Economics Dept., UIUC Industrial & Enterprise Systems Engineering Dept., UT Austin Economics Dept, Informs Annual Meeting.

2005 and before: Informs Annual Meeting (2005), Institute on Computational Economics 2005 (students' poster presentation), Stanford Institute for Theoretical Economics (SITE 2004), MURI, Decision-Making Under Uncertainty Meeting, Stanford University (2003), X Latin-Ibero-American Conference on Operations Research and Systems (2000).

Professional Service

Stanford AI activities:

- Co-lead Business & Beneficial Technology pillar, Business, Government and Society, 2023-
- Co-organizer Conferences 2023 "AI for Operations and Operations for AI", and "Harnessing the Potential of AI."
- Member AI Faculty Committee 2023.

Committee Member, Spotlight Beyond WINE 2022.

Judge Rothkopf Junior Researcher Paper Prize 2022, 2023.

Track Chair Applied Modeling, ACM EC 2022 Conference.

Chair Recruiting Committee, Stanford GSB OIT 2022.

Senior Program Committee, Wine 2021.

Co-Department Editor, *Management Science,* (Area: Revenue Management and Market Analytics), Jan. 2018-Jan. 2021.

Associate Editor, *Management Science* (Area: Stochastic Models and Simulation), 2017.

Associate Editor, *Operations Research* (Area: Games, Information, and Networks), 2013-2017.

Associate Editor, *Operations Research* (Area: Computational Economics), 2015-2017.

Co-Ph.D. Liaison, Operations, Information & Technology Area, Stanford Graduate School of Business, 2016-2021.

Member of Stanford GSB DEI Council, 2021.

Member of VPGE's Faculty Advisory Committee, Stanford U., 2020-2021.

Co-organizer Marketplace Innovation Workshop, 2015 (Columbia U.), 2016 (NYU), 2017 (Stanford U.), 2018 (Toronto), 2019 (Stanford U.), 2020 (Virtual).

Senior Program Committee Member, 2020 ACM Conference on Economics and Computation.

Senior Program Committee Member, 2021 WINE.

Committee Member, 2019-2020 MSOM Data Driven Research Challenge.

Member of the Program Committee, 2016 ACM Conference on Economics and Computation.

Member of the Program Committee, WWW 2015 Conference, Internet Economics and Monetization track.

Co-chair M&SOM Student Paper Competition, 2012 and 2013.

M&SOM Meritorious Service Award 2013.

Committee Member George Nicholson Student Paper Competition, 2013-2104.

Member of the Program and Organizing Committee, M&SOM Conference 2012.

Management Science Distinguished Service Award, 2013.

Member of the Program Committee, 10th Ad Auctions Workshop, Stanford 2014.

Faculty Steering Committee for the Columbia Global Centers Latin America (Santiago and Rio de Janeiro).

Research director, The Deming Center, Columbia Business School, 2010-2015.

Ph.D. program coordinator, Decision, Risk, & Operations Division, Columbia Business School, 2008-2012.

Member of the Program Committee, NetEcon Conference 2011.

Member NSF Panel Operations Research 2010.

Co-organizer sessions on Empirical and Experimental Work in Auctions and Contracts, Revenue Management Conference 2011.

Co-organizer session on Large Scale Dynamic Games, IEEE CDC Conference 2009.

Co-chair Game Theory cluster, Latin Ibero-American Congress on Operations Research 2008.

Co-chair several sessions, Informs Annual Meeting 2005-present.

Referee for: American Economic Review, Automatica, Econometrica, European Economic Review, Fondecyt-Chile (NSF equivalent), IEEE JSAC, IEEE TAC, Journal of Economic Theory, Journal of Mathematical Economics, Journal of Political Economy, NSF, Management Science, M&SOM, M&SOM Student Paper Competition, SIG M&SOM Conference, Operations Research, Production and Operations Management, Quarterly Journal of Economics, Review of Economic Studies, The RAND Journal of Economics, and Transportation Science.

Co-organizer Latin American Operations Research Summer School, Chile, 2001.

Professional society affiliations: Informs, AEA, Econometric Society.

Outside Activities

Jan. 2014-Dec. 2014: Co-principal investigator in joint project with Chilean government procurement agency Dirección ChileCompra on framework agreements for procurement (funded by Chile – Columbia University Fund Grant 2014).

Aug. 2011-Dec. 2012: led a project to develop economic models to analyze framework agreements for procurement (funded by Chilean government procurement agency Dirección ChileCompra and Chazen Institute of International Business at Columbia Business School).

Aug 2015-Jan 2016: Market design consultant for AppNexus, an ad tech platform

Feb. 2016-Jan. 2018: Chief Economist, AppNexus

Jan. 2018-May 2019: Senior Adviser, AppNexus

Jan. 2018-April 2020: Senior Adviser, Airbnb

Jan. 2017-Dec. 2018: Co-investigator in joint project with Chilean government procurement agency Dirección ChileCompra on framework agreements for procurement (funded Fondef Chile).

2016-2021: Advisory Board, Start-Up Chile (ad honorem)

Jul. 2019-Sep. 2021: Senior Adviser, Feastfox, restaurant discovery platform

Oct. 2021-present: Senior Adviser, Boam, Inc. (previously Feastfox)

Sep. 2021-Oct. 2023: Senior Adviser, Betterfly

Jan. 2022-Dec. 2023: Senior Adviser, Outschool

Aug. 2023-present: Adviser AI+Catalyst, Reach Capital