José Rafael Correa

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Education

Massachusetts Institute of Technology — Cambridge, MA
Ph.D. in Operations Research, June 2004.
Thesis Title: *Approximation Algorithms for Packing and Scheduling Problems.*
Advisors: Prof. Michel X. Goemans (Department of Mathematics) and Prof. Andreas S. Schulz (Sloan School of Management).

Universidad de Chile — Santiago, Chile
Ingeniero Civil Matemático, July 1999.
Thesis Title: *Asignación de Flujos de Pasajeros en Redes de Transporte Público Congestionadas.*
Advisor: Prof. Roberto Cominetti (Department of Applied Mathematics).

Experience

Apr 2023-Present — **Universidad de Chile** — Santiago, Chile
Vicerrector for Information Technology

Aug 2008-Present
Professor, Department of Industrial Engineering
Associate Professor 2008-2015
Also affiliated with the Center for Mathematical Modeling (CMM)

Jan 2005-July 2008 — **Universidad Adolfo Ibáñez** — Santiago, Chile
Assistant Professor, School of Business

July 2004-Dec 2004 — **Universidad de Chile** — Santiago, Chile
Postdoctoral Associate in Computer Science

Sept 1999-Aug 2000 — **Centro de Modelamiento Matemático** — Santiago, Chile
Research Assistant

Long Visits

Simons Institute (2022, 2018), U. Paris Dauphine (2015), Harvard U. (2014), EPFL (2010), U. Blaise Pascal (2009), Columbia U. (2008), MIT (2006).

Teaching

Universidad de Chile — Santiago, Chile
Undergraduate Economics (2019, 2020, 2021, 2022).
Fundamentals of Social Networks (2012, 2013, 2015).
Algorithmic Game Theory (2009, 2010, 2012, 2014, 2016, 2018, 2019, 2022).
Online Decision-Making Under Stochastic Input (2024).
Operations Research (2009 – 2016).
Approximation Algorithms (2004).
Topics in Game Theory (2017).
Stochastic Processes (2017, 2018, 2020).

UM6P — Rabat, Morocco
Online Decision-Making Under Stochastic Input (2025, 2026).

Universidad Adolfo Ibáñez Santiago and Viña del Mar, Chile

Supply Chain Management, Executive Education (2007).
Operational Advantage, MBA course (2005–2007).
Introduction to Operations Management (2005–2007).

Plenary Talks

INFORMS Decision Analysis Society Webinar, September 2025; Short course at the (GAIMSS) Games and Artificial Intelligence Multidisciplinary Summer School 2025 (ACM Europe School), Toulouse, France, June 2025; Tutorial at the Summer School New Horizons in Theoretical Computer Science, June 2023; Planary speaker SIAM Conference on Applied and Computational Discrete Algorithms (ACDA23), Seattle May 2023; Eighth Marketplace Innovation Workshop, online, May 2023; One World Mathematical Game Theory Seminar, online, May 2023; Invited speaker workshop on Algorithmic game theory, mechanism design, and learning, Torino, Italy, November 2022; Plenary speaker at the Hi! Paris AI Symposium, June 2022; Plenary speaker the XI Latin-American Algorithms, Graphs and Optimization Symposium (at LAGOS 2021), Sao Paulo, Brazil; Keynote speaker the 16th Conference on Web and Internet Economics (WINE 2020), Beijing, China, December 2020; Panelist at the 4th Workshop on Mechanism Design for Social Good (MD4SG 2020); Keynote speaker at the International Conference on Network Games, Tropical Geometry, and Quantum Communication, HU-Berlin, June 2019; Plenary speaker at the 29th International Conference on Game Theory, Stony Brook, NY, USA, July 2018; Mini course at the 43rd Conference on the Mathematics of Operations Research, Lunteren, NL, January 2018; Seminar Hubert Mennickent, Concepcion, Chile, June 2017; Tutorial at the 6th Workshop on Stochastic Methods in Game Theory, Erice, Italy, May 2017; Semi-plenary speaker at the annual international conference of the German Operations Research Society (GOR), Hamburg, Germany, September 2016; Keynote speaker at the 12th Latin American Theoretical Informatics Symposium (LATIN 2016), Ensenada, Mexico, April 2016; Plenary speaker at the 23rd International Conference on Game Theory, SUNY Stony Brook, NY, USA, July 2012; Plenary speaker at the 10th Workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP 2011), Nymburk, Czech Republic, June 2011; Invited talk at the Chilean Institute for Operations Research Colloquium, Santiago, Chile, April 2010; First Workshop on New Challenges in Distributed Systems, Valparaiso, Chile, April 2009; 3rd European-Latin-American Workshop on Engineering Systems, Curicó, Chile, May 2007.

Invited Talks

Over 40 talks at department seminars including at Cornell, Rutgers, Stanford GSB, UIUC, MIT, Stanford MS&E, CMU, Columbia, Chicago, Institut Henri Poincare, U. Twente, U Chile, U. Concepcion, PUC, U Sao Paulo, MPI Saarbruken, U Dortmund, TU-Berlin, U Catholique de Louvain, U Blaise Pascal, U Paris 6, U Paris Dauphine, EPFL, IBM, Georgia Tech, NYU. Also, several talks at by-invitation workshops including at Erice, Dagsthul, Roscoff, Aussois, Cargese, Bertinoro.

Conference Talks

Over 40 talks in international conferences in Operations Research, Computer Science, and Applied Mathematics.

Awards

Correspondent memeber of the Chilean Academy of Sciences, 2025.

Structural Democracy Fellowship granted by Cornell University (and funded by the Crankstart Foundation.), 2025.

ACM SIGECOM Best full paper award 2019. Obtained for the paper "Prophet Inequalities for I.I.D. Random Variables from an Unknown Distribution" EC 2019.

Finalist EURO excellence in practice award 2019. Obtained for the paper "School Choice in Chile".

Amazon Research Award 2018.

Google Research Award Latin America 2017.

Selected in 2014 by LatinAmericanScience.org and revista "Que Pasa" as one of 30 notable latin american researchers under the age of 40.

Meritorious Service Award 2013. Awarded by the Journal *Operations Research* for exceptional reviewing work.

Member of the Global Young Academy (GYA) 2011-2016.

Selected young scientist to participate in the World Economic Forum Meeting of the New Champions held in Dalian, China, September 2011.

JFIG paper competition finalist 2009. Awarded annually by the Institute for Operations Research and the Management Sciences (INFORMS) junior faculty interest group (JFIG), to an outstanding paper authored by untenured faculty.

Tucker Prize finalist 2006. Awarded triennially by the Mathematical Programming Society (MPS), to an outstanding paper or thesis solely authored by a student, graduate or undergraduate. At most three finalists are chosen. More information at `http://www.mathprog.org/prz/tucker.htm`

TSL Best Paper Award 2002. Obtained for the paper "Common-lines and passenger assignment in congested transit networks". Also obtained an *Honorable Mention* in the 2006 competition for the paper "Selfish routing in capacitated networks." This award is given annually by the INFORMS Society on Transportation Science and Logistics for the best paper in transportation or logistics published during the three preceding years. More information at `http://www.informs.org/article.php?id=635`

Activities

Advisory Board of the Auctions and Market Design Section at INFORMS, since 2026.

Board of Directors of EAAMO (Equity and Access in Algorithms, Mechanisms, and Optimization), a community of over 3000 people from 130+ institutions in 50 countries, that bring together expertise to tackle problems in marginalized groups around the world. `https://www.eaamo.org` , since 2025.

External Faculty: Moroccan Center for Game Theory, UM6P, since 2024.

Executive Committee OMEGA RHO honor society (INFORMS), since 2023.

Member Advisory Committee for ISMP 2021.

Prize committee INFORMS Market Design Impact Award 2025.

Reviewer for the agencies: ERC (Europe), ANID (Chile), ANR (France), ISF (Israel), and NWO (Netherlands).

International Observer "European Network for Game Theory" (COST Action CA16228), 2017-2021.

Panel Member for Mathematics at the National Fund for Scientific and Technological Development (FONDECYT), 2010–2012.

Event Organization: Presente y Futuro de la Inteligencia Artificial y la Ciencia de Datos en América Latina 2026; Dagstuhl Seminar Randomized Rounding in Algorithms, Statistics, and Economics and Computation 2026; Workshop on Stochastic Games and Online Decision-Making, Santiago, December 2025; Dagstuhl Seminar Dynamic Traffic Models in Transportation Science 2025; Market Design Workshop, Santiago, December 2023; Virtual Prophets Institute, Fall 2021. First virtual thematic semester held by

Virtual Chair powered by Gather (Blog Post at Comm. of the ACM: `https://cacm.acm.org/blogs/blog-cacm/258538-a-semester-virtual-institute`); Dagstuhl Seminar Dynamic Traffic Models in Transportation Science, 2016; Workshop on Dynamic Pricing, Santiago, December 2017; IPCO 2013, March 2013 (as chair); Workshop in Social Networks, July 2012 (as chair); Summer Schools in Discrete Mathematics, every January since 2005; LATIN 2006, March 2006.

Editorial

Area Editor: Operations Research, Transportation area (since 2024). Mathematics of Operations Research, Game Theory area (2019-2023).

Associate Editor: Mathematics of Operations Research (since 2024), Operations Research (2009 – 2023), Mathematical Programming Series B (2014 – 2018), Acta Applicandae Matematicae (2010 – 2015), RAIRO–Operations Research (2010 – 2018).

Program Committees: WINE 2026 (SPC) EC 2026 (Track Chair), IPCO 2026, APPROX 2025, LAGOS 2025, EC 2025 (SPC), SODA 2025, EC 2024 (SPC), ICALP 2024, IPCO 2023, EAAMO 2022 (SPC), WWW 2022, SODA 2022, WINE 2021 (SPC), ISMP 2021, IPCO 2021, EC 2021, WINE 2020, SAGT 2020, EC 2020, LATIN 2020, EC 2019, IPCO 2019, WINE 2018, EC 2018, WAOA 2017, WAOA 2016, CLAIO 2016, IPCO 2016, WINE 2015, WINE 2014, ISCO 2014, WADS 2013, MAPSP 2013, IPCO 2013, LAGOS 2013, LATIN 2012, CATS 2012, WINE 2011, NETGCOOP 2011, WAOA 2011, WAOA 2010, LATIN 2010, OPTIMA 2009, LAGOS 2009, HICSS 2009, LATIN 2008, HICSS 2008, LAGOS 2007, LATIN 2006.

Reviewer for NeurIPS and ICML.

Guest Associate Editor: Special issue of *Mathematical Programming B* on "Mathematical Optimization and Fair Social Decisions", 2024; Special issue of *Discrete Applied Mathematics* for LAGOS 2013; Special issue of *Algorithmica* for LATIN 2006.

Grants (as Princ. Inv.)

Chilean Government research grant *Center for Mathematical Modeling, CMM*, ANID contracts ACE210010 and FB210005. 2021-2026.

Structural Democracy Fellowship (Cornell University), 2025.

Chilean Government research grant Anillo *Information and Computation in Market Design*. ANID contract ACT210005, Nov 2021 - Oct 2024.

Chilean Government research grant Millennium Nucleus *Information and Coordination in Networks*. Nov 2011 - Oct 2014. Renewal Dec 2014 - Dec 2017.

Chile-Germany Collaborative Grant (CONICYT). Jun 2016 - Apr 2019.

Local coordinator for the Marie Curie International Research Staff Exchange Scheme project funded by the European Union (FP7), *European South-American Network for Combinatorial Optimization under Uncertainty*. Aug 2010 - Jul 2014.

Chilean Government grants FONDECYT 1260036 Apr 2026-Mar 2030, FONDECYT 1220054 Apr 2022-Mar 2026, FONDECYT 1190043 Apr 2019-Mar 2022, FONDECYT 1160079, Apr 2016 - Mar 2019; FONDECYT 1130671, Mar 2013 - Feb 2016; FONDECYT 1090050, Mar 2009 - Feb 2013; FONDECYT 1060035, Mar 2006 - Feb 2009.

Industry Projects

Ministry of Education (MINEDUC), July 2025 - Mar 2026: Redesign of the school admission system in Chile.

Secretaría de Gobierno Digital, 2024- 2025: Joined several committees to foster digital transformation and AI adoption in a public-private partnership.

Ministry of Telecommunications and Transportation, 2018-2021. Designed (with Juan Escobar and Rafael Epstein) the new auction for the 5G spectrum. The auction collected more that 460 million USD.

Hospitales Barros Luco y Salvador, Clinicas Santa Maria y Alemana. Design of an organ transplant system based on machine learning and market design. FONDEF ID19I10303.

Santiago Transportation Authority (DTPM), Nov 2016 - Aug 2019: Modeling of evasion in public transit. Funding from DTPM and FONDEF IT16I10010.

Ministry of Education (MINEDUC), Nov 2015 -Jan 2022: Mechanism design for the new school admission system in Chile. Direct funding from MINEDUC and additional funding from FONDEF ID15I10468.

Departamento de evaluación, medición y registro educacional (DEMRE), Jan 2012 - Jan 2014: New assignment algorithm for matching students to Universities.

Cuerpo de Bomberos de Santiago (Santiago Fire Fighters), June 2010 - December 2010: Effective response system for emergencies.

BeeOne S.A., Apr 2009 - Jan 2011: Data and modeling advisor in the banking industry.

Lafarge Chile, Dec 2008 - Jul 2009: Vehicle routing for dispatching dry products.

Viña San Pedro, Apr 2007 - Jun 2008: Production scheduling.

Duties

Vicerrector (VP) for Information Technology, U. de Chile, 2023-Present.

Director of undergraduate studies, Industrial Engineering, U. de Chile, 2018-2023.

Elected member of the Academic Council, School of Engineering, U. de Chile, 2012-2014.

Executive Education Board, Industrial Engineering, U. de Chile, 2011-2016.

Academic Council, Department of Industrial Engineering, U. de Chile, 2011-2013.

School of Engineering Hiring committee member, U. de Chile, 2010-2012.

Graduate studies coordinator, Dep. of Industrial Engineering, U. de Chile, 2010-2011.

Director, Master in Operations Management, U. de Chile, 2009-2011, 2015-2017.

Founding Director, Ph.D. program in Management, UAI, 2007-2008.

Member of the UAI Intellectual Contribution Committee, 2005-2008.

Languages Native Spanish speaker, fluent in English and French.

Citizenship Citizen of Chile and Germany.

Advising (current position)

PhD Students

1. Reda Jlibene, PhD Game Theory, UM6P, 2025-Present.
2. Matías Ortíz, PhD Applied Mathemtics, U. Chile, 2025-Present.
3. Felipe Subiabre, PhD Eng. Systems, U. Chile, 2024 (Postdoc Stanford U).
4. Andres Cristi, PhD Eng. Systems, U. Chile, 2023 (Asst. Prof. EPFL).
   Received a 2021 Facebook Fellowship for emerging scholars.
5. Dana Pizarro, PhD Eng. Systems, U. Chile, 2020 (Asst. Prof. Toulouse Business School).
6. Victor Verdugo, PhD Eng. Systems, U. Chile, 2018 (Asst. Prof. PUC Chile).
7. Felipe Munoz, PhD Eng. Systems, U. Chile, 2016 (Asst. Prof. U. Bio-Bio).

Postdocs

1. Javier Cembrano 2025 (Assitant Prof. U. Chile),
2. Vasilis Livanos, 2024-2025 (Postdoc USC).
3. Svenja Griesbach, Nov 2024-Nov 2025 (Postdoc RWTH Aachen).
4. Maximilian Fichtl, Sep 2023-Aug 2024 (Software Consultant TNG Technology).
5. Ulrike Schmidt-Kraepelin, Nov 2022-Oct 2023 (Assistant Prof. TU Eindhoven).
6. Alexandros Tsigonias-Dimitriadis, Aug 2022-July 2023 (Scientist European Central Bank).
7. Laura Vargas-Koch, Mar-Aug 2022 (Assistant Prof. RWTH Aachen).
8. Laurent Feuilloley, Sep 2019-May 2020 (CR at CNRS).
9. Tim Oosterwijk, 2018 (Assistant Prof. VU-Amsterdam).
10. Kevin Schewior, 2017-2018 (Assistant Prof. U Cologne).
11. Qiaoxi Zhang, 2016-2017 (Assistant Prof. Xiamen U).
12. Marc Schroeder, 2016-2017 (Assistant Porf. Maastricht).
13. Ruben Hoeksma, 2015-2016 (Assistant Prof. U. Twente).
14. Jannik Matuschke, 2013-2014 (Assistant Prof. KU Leuven).
15. José Verschae, 2012-2014 (Associate Prof. PUC Chile).

Master Students

1. Francisaca Monetta, M.S. Operations Management, U. Chile.
2. Michelle Contreras, M.S. Operations Management, U. Chile.
3. Luca Zanela, M.S. Applied Math and M.S in Data Science, U. Buenos Aires, 2025.
4. Matías Cornejo, M.S. Data Science, U. Chile, 2025.
5. Jorge Hewstone, M.S. Data Science, U. Chile, 2025.
6. Iván Meneses, M.S. Data Science, U. Chile, 2025.
7. Ignacia Segura, M.S. Operations Management, U. Chile, 2024 (McKinsey & Co.).
8. Benjamin Barrientos, M.S. Operations Management, U. Chile, 2022 (PhD student MIT).
9. Matias Romero, M.S. Operations Management, U. Chile, 2022 (PhD Student Columbia).
10. Gonzalo Diaz, M.S. Public Policy, U. Chile 2022 (PhD student Cornell).
11. Javier Cembrano, M.S. Operations Management, U. Chile, 2022 (PhD TU-Berlin, Postdoc MPI Informatik)).
12. Boris Epstein, M.S. Operations Management, U. Chile, 2020 (PhD Columbia, Research Scientist Meta).
13. Raimundo Saona, M.S. Applied Mathematics, U. Chile, Dec 2017-Mar 2019 (PhD IST Austria, LSE Fellow).
14. Andres Cristi, M.S. Operations Management, U. Chile, 2018 (PhD U. Chile, Assitant Prof EPFL).
15. Natalie Epstein, M.S. Operations Management, U. Chile, 2017 (PhD Harvard, Postdoc Yale).
16. Patricio Foncea, M.S. Operations Management, U. Chile, 2017 (PhD MIT, Research Scientist Lyft).
17. Bastián Bahamondes, M.S. Operations Management, U. Chile, 2016 (PhD student Gatech).
18. Andrés Perlroth, M.S. Economics, U. Chile, 2015 (PhD Stanford, Staff ML Engineer Reddit).
19. Alberto Vera, M.S. Operations Management, U. Chile, 2015 (PhD Cornell, Research Scientist Amazon).
20. Victor Verdugo, M.S. Operations Management, U. Chile, 2013 (PhD U. Chile, Assistant Prof. PUC Chile).
21. Omar Larré, M.S. Operations Management, U. Chile, 2012 (Founder and CFO of Fintual).
22. Charles Thraves, M.S. Operations Management, U. Chile, 2011 (PhD MIT, Assistant Prof. U Chile).

Engineering Undergrads Cristobal Beltran, 2018 (Engineer at CMM); Fan Wang, 2017; Eduardo Zúñiga, 2015 (PhD U. Chile); Pablo Koch, 2014 (Centro Sismologico Nacional); Orlando Rivera, 2012 (PhD UAI); Omar Larré, 2010; José Verschae 2008.

Visiting Students: Samuel Boite, M.S. Student Ecole Polytechnique, Mar-Jun 2024; Raimundo Saona, PhD Student IST Austria, Jan 2024; Evangelia Gergatsouli, PhD Student UW Madison, Mar-May 2023; Gabriel Buffet, M.S. Student Ecole Polytechnique, Mar-July 2023; Vasilis Livanos, PhD Student UIUC, Jan 2023; Markus Utke, M.S. Student TU-Berlin, Oct 2022-Jan 2023; Emile Naquin, M.S. Student ENS-Lyon, Oct 2022-Jan 2023; Alexandros Tsigonias-Dimitriadis, PhD Student TUM, Nov-Dec 2019; Mathieu Mari, PhD Student ENS-Ulm, Mar-Aug 2019; Andrew Xia, M.S. Student MIT, Mar-Aug 2019; Rafael Colares, PhD Student U Blaise Pascal, Nov-Dec 2017; Ulrike Schmidt-Kraepelin, undergrad TU-Munch, Aug-Sep 2017; Florent Koechlin, M.S. Student ENS-Cachan, Jun-Aug 2016; Tim Oosterwijk, PhD Student Maastricht U, Mar-Jul 2016; Olivier Marty, M.S. Student ENS-Cachan, Jun-Aug 2015; Mona Rahn, PhD student CWI, Apr-Jun 2014; Laurent Feuilloley, M.S. Student ENS-Cachan, Mar-Aug 2013; Oscar Vasquez, PhD student U Paris VI, Sep 2012-Jan 2013; Sebastian Marban, PhD student Maastricht U, Oct-Dec 2010; Cristóbal Guzmán, Project Intern, March-Aug 2010; Lorenzo Reus, Project Intern, Dec 2008-Aug 2009.

PhD Thesis Committees: Felipe Garrido-Lucero, PhD Computer Science, U. Paris Dauphine (PSL), 2022; Marcus Kaiser, PhD Operations Research, TU-Munich, 2021; Manuela Blaum, PhD Mathematics, U. Buenos Aires, 2021; Leon Sering, PhD Mathematics TU-Berlin, 2020; Marc Schroeder, Habilitation Thesis, RWTH Aachen, 2020; Fernando Feres, PhD Engineering Systems, U. de Chile, 2020; Waldo Gálvez, U. Svizzera Italiana, 2019; Tim Oosterwijk, PhD Operations Research, U. Maastricht, 2018; Alejandro Angulo, PhD Engineering Systems, U. de Chile, 2015; Maria del Carmen Varaldo, PhD Mathematics U. Nacional de Rosario, Argentina, 2014; Francisco Lopez, PhD Engineering UPC, Spain, 2014; Hadi Minoeei, PhD Computer Sicence, U. Waterloo, 2013; Ronald Koch, PhD Mathematics, TU-Berlin, 2012; Sebastian Marban, PhD. Operations Research, U. Maastricht, 2012; Cheng Wan, PhD Mathematics, U. Paris VI, 2012 .

Publications List

Books and Chapters

1. M.X. Goemans and J.R. Correa (Eds.). IPCO 2013 Integer Programming and Combinatorial Optimization - 16th International Conference, Valparaiso, Chile, March 18-20, 2013. Proceedings Springer Lecture Notes in Computer Science 7801.

2. J.R. Correa, A. Hevia and M. Kiwi (Eds.). LATIN 2006 Theoretical Informatics. 7th Latin American Symposium, Valdivia, Chile, March 20-24, 2006, Proceedings Springer Lecture Notes in Computer Science, Vol. 3887.

3. J.R. Correa, N. Stier Moses. Wardrop Equilibria. Wiley Encyclopedia of Operations Research and Management Science, edited by J.J. Cochran. Wiley, 2011.

Journals

1. J. Correa, P. Goelz, U. Schmidt-Kraepelin, J. Tucker-Foltz, V. Verdugo. Monotone Randomized Apportionment. *Operations Research*, to appear.

2. J. Correa, A. Cristi, P. Duetting, A. Norouzi-Fard. Fairness and bias in online selection. *Operations Research*, to appear.

3. J. Cembrano, J. Correa, U. Schmidt-Kraepelin, A. Tsigonias-Dimitriadis, V. Verdugo. New Combinatorial Insights for Monotone Apportionment. *Mathematics of Operations Research*, to appear.

4. J. Cembrano, J. Correa, G. Diaz, V. Verdugo. Proportionality in Multiple Dimensions to Design Electoral Systems. *Social Choice and Welfare*, to appear.

5. J. Brustle, J. Correa, P. Duetting, T. Ezra, M. Feldman, V. Verdugo. The Competition Complexity of Prophet Inequalities. *Mathematics of Operations Research*, 51(1):641-665, 2026.

6. J. Correa A. Cristi, P. Dütting, M. Hajiaghayi, J. Olkowski, K. Schewior. Trading Prophets. *Operations Research*, 74(1):260-280, 2026.

7. J. Correa, A. Cristi, L. Feuilloley, T. Oosterwijk, A. Tsigonias-Dimitriadis. The Secretary Problem with independent sampling. *Management Science*, 71(4):2778-2801, 2025.

8. J. Correa, A. Cristi, A. Fielbaum, T. Pollner, S.M. Weinberg. Optimal item pricing in online combinatorial auctions. *Mathematical Programming*, 206:429-460, 2024.

9. J. Brustle, J. Correa, P. Duetting, V. Verdugo. The Competition Complexity of Dynamic Pricing. *Mathematics of Operations Research*, 49(3):1303-2047, 2024.

10. J. Correa, D. Pizarro, G. Vulcano. The Value of Observability in Dynamic Pricing. *Management Science*, 70(4):2107-2121, 2024.

11. J. Correa, A. Cristi, B. Epstein, J. Soto. Sample-driven optimal stopping: From the secretary problem to the i.i.d. prophet inequality. *Mathematics of Operations Research*, 49)(1):441–475, 2024.

12. J. Escobar, R. Epstein, J. Correa, P. Gidi, J Markovits, N. Epstein, Y. Montenegro, A. Turkieltaub. The 5G Spectrum Auction in Chile, *Telecommunications Policy*, 47(7), article 102580, 2023.

13. J. Cembrano, J. Correa, V. Verdugo. Multidimensional political apportionment. *Proceeding of the National Academy of Sciences*, 119 (15) e2109305119, 2022.

14. J. Correa, A. Cristi, B. Epstein, J. Soto. The Two-Sided Game of Googol. *Journal of Machine Learning Research*, 23(113):1-37, 2022.

15. J. Correa, R. Epstein, J. Escobar, I. Rios, B. Bahamondes, C. Bonet, N. Epstein, N. Aramayo, M. Castillo, A. Cristi, B. Epstein, F. Subiabre. School Choice in Chile. *Operations Research*, 70(2):1066-1087, 2022.

16. J. Correa, P. Dutting, F. Fischer, K. Schewior. Prophet Inequalities for I.I.D. Random Variables from an Unknown Distribution. *Mathematics of Operations Research*, 47(2):1287-1309, 2022.

17. J. Correa, A. Cristi, T. Oosterwijk. On the Price of Anarchy for Flows over Time. *Mathematics of Operations Research*, 47(2):1394-1411, 2022.

18. J. Correa, F. Muñoz. Performance guarantees of local search for minsum scheduling problems. *Mathematical Programming*, 191:847-869, 2022.

19. R. Cominetti, J. Correa, N. Olver. Long term behavior of dynamic equilibria in fluid queuing networks. *Operations Research*, 70(1):516-526, 2022.

20. J. Correa, C. Guzman, T. Lianeas, E. Nikolova, M. Schroeder. Network Pricing: How to Induce Optimal Flows Under Strategic Link Operators. *Operations Research*, 70(1):472–489, 2022.

21. J. Correa, P. Foncea, R. Hoeksma, T. Oosterwijk, T. Vredeveld. Posted price mechanisms and optimal threshold strategies for random arrivals. *Mathematics of Operations Research*, 46(4):1452–1478, 2021.

22. J. Correa, R. Saona, B. Ziliotto. Prophet Secretary through blind strategies. *Mathematical Programming*, 190:483-521, 2021.

23. J. Correa, M. Romero. On the asymptotic behavior of the expectation ofthe maximum of i.i.d. random variables. *Operations Research Letters*, 49:785-786, 2021.

24. J. Correa, J. de Jong, B. de Keijzer, M. Uetz. The inefficiency of Nash and Subgame Perfect Equilibria for network routing. *Mathematics of Operations Research*, 44(4):1286–1303, 2019.

25. J. Correa, R. Hoeksma, M. Schroeder. Network congestion games are robust to variable demand. *Transportation Research B*, 119:69–78, 2019.

26. J. Correa, P. Foncea, D. Pizarro, V. Verdugo. From prophets to pricing, and back!. *Operations Research Letters*, 47(1):25–29, 2019.

27. L. Briceno, J. Correa, A. Perlroth. Optimal continuous pricing with strategic consumers. *Management Science*, 63(8):2741–2755, 2017.

28. J. Correa, T. Harks, V. Kreuzen, J. Matuschke. Fare evasion in transit networks. *Operations Research*, 65(1):165–183, 2017.

29. J. Correa, V. Verdugo, J. Verschae. Splitting versus setup trade-offs for scheduling to minimize weighted completion time. *Operations Research Letters*, 44(4):469–473, 2016.

30. J. Correa, R. Montoya, C. Thraves. Contingent preannounced pricing policies with strategic consumers. *Operations Research*, 64(1):251–272, 2016.

31. F. Balmaceda, S. Balseiro, J. Correa, N. Stier-Moses. Bounds on the Welfare Loss from Moral Hazard with Limited Liability. *Games and Economic Behavior*, 95:137–155, 2016.

32. R. Cominetti, J. Correa, O. Larre. Dynamic Equilibria in Fluid Queuing Networks. *Operations Research*, 63(1):21–34, 2015.

33. J. Correa, O. Larre, J.A. Soto. TSP Tours in Cubic Graphs: Beyond 4/3. *SIAM Journal on Discrete Mathematics*, 29(2):915–939, 2015.

34. R. Cole, J.R. Correa, V. Gkatzelis, V. Mirrokni, N. Olver. Decentralized Utilitarian Mechanisms for Scheduling Games. *Games and Economic Behavior*, 92:306–326, 2015.

35. J. Correa, A. Marchetti-Spaccamela, J. Matuschke, L. Stougie, O. Svensson, V. Verdugo, J. Verschae. Strong LP Formulations for Scheduling Splittable Jobs on Unrelated Machines. *Mathematical Programming B*, 154(1-2):305–328, 2015.

36. J. Correa, L. Feuilloley, P. Perez-Lantero, J.A. Soto. Independent and Hitting Sets of Rectangles Intersecting a Diagonal Line: Algorithms and Comlexity. *Discrete & Computational Geometry*, 53(2):344–365, 2015.

37. J.R. Correa and N. Megow. Clique partitioning with value-monotone submodular cost. *Discrete Optimization*, 15:26–36, 2015.

38. J.R. Correa, N. Figueroa, R. Lederman, and N.E. Stier Moses. Pricing with markups in industries with increasing marginal costs. *Mathematical Programming*,146(1-2):143–184, 2014.

39. J.R. Correa, R. Lederman, and N.E. Stier Moses. Sensitivity analysis of markup equilibria in complementary markets. *Operations Research Letters* 42:173–179, 2014.

40. J.R. Correa, M. Queyranne. Efficiency of Equilibria in Restricted Uniform Machine Scheduling with Total Weighted Completion Time as Social Cost. *Naval Research Logistics*, 59(5):384–395, 2012.

41. J.R. Correa, M. Skutella, J. Verschae. The power of preemption in unrelated machines and applications to scheduling orders. *Mathematics of Operations Research*, 37(2):379–398, 2012.

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