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Education

Ph.D. Economics, University of Rochester, 2011
B.S. Computer Science, Carnegie Mellon University, 2003

Employment

University of Ottawa: Professor, 2021—
University of Ottawa: Associate Professor, 2017-2021
Texas A&M University: Assistant Professor, 2014-2017
Boston College: Visiting Assistant Professor, 2013-2014
Université de Montréal: Assistant Professor, 2011-2014

Research Interests

Resource allocation, mechanism design, social choice, matching theory

Articles

Published in peer-reviewed journals

1. "Interview Hoarding," forthcoming, *Theoretical Economics* (With Thayer Morrill)
2. "Strategy-proof exchange under trichotomous preferences," 2021, *Journal of Economic Theory* 193 (With Alexander Westkamp)
3. "The impossibility of individually rational, Pareto-efficient, and strategy-proof rules for fractional matching," 2020, *Games and Economic Behavior* 119, 15-29 (With Samson Alva)
4. "Strategy-proof Pareto-improvement," 2019, *Journal of Economic Theory* 181, 121-142 (With Samson Alva)
5. "Learning matters: Reappraising object allocation rules when agents strategically investigate," 2018, *International Economic Review* 59, 557-592 (With Patrick Harless)
6. "Implementation in stochastic dominance Nash equilibria," 2017, *Social Choice and Welfare* 48, 5-30 (special issue of in honor of William Thomson) (With Eun Jeong Heo)
7. "Fractional matching markets," 2016, *Games and Economic Behavior* 100, 321-336

8. "Two school systems, one district: What to do when a unified admissions process is impossible," 2016, *Games and Economic Behavior* 95, 25–40 (With Bertan Turhan)
9. "Efficient and strategy-proof social choice when preferences are single-dipped," 2014, *International Journal of Game Theory* 43, 579–597
10. "The difference indifference makes in strategy-proof allocation of objects," 2012, *Journal of Economic Theory* 147, 1913–1946 (With Paula Jaramillo)
11. "Group strategy-proofness and social choice between two alternatives," 2012, *Mathematical Social Sciences* 63, 239–242
12. "When too little is as good as nothing at all: Rationing a disposable good among satiable people with acceptance thresholds," 2012, *Games and Economic Behavior* 74, 576–587
13. "Dynamics of the presidential veto: a computational analysis," 2008, *Mathematical and Computer Modelling* 48, 1570–1589 (With John Duggan and Tasos Kalandrakis)

Working papers

1. "Lexicographic composition of choice functions," 2019 (With Sean Horan)
2. "Stable-dominating Rules," 2019 (With Samson Alva)
3. "Strong efficiency for probabilistic assignment problems," 2019 (With Samson Alva and Eun Jeong Heo)
4. "Stability and the core of probabilistic marriage problems," 2013
5. "Yet another Walrasian solution to the random matching problem," 2012

Teaching

Université de Montréal

1. Advanced microeconomic theory (graduate): Matching, Winter 2012
2. Advanced microeconomic theory (graduate): Incomplete markets, Winter 2013
3. Finances publiques (undergraduate, in French): Summer 2012 and Winter 2013

Boston College

1. Advanced microeconomic theory (graduate): Axiomatic resource allocation, Spring 2014
2. Intermediate microeconomics (undergraduate): Spring 2014

Texas A&M University

1. Intermediate microeconomics (undergraduate): Fall 2014 and 2016
2. Advanced microeconomic theory (graduate): Market design, Spring 2015, 2016, and 2017

University of Ottawa

1. Microeconomic Theory I (undergraduate): Winter 2018, 2019, 2020, 2021, and 2022 and Summer 2020, 2021, and 2022
2. Market Design: Winter 2022
3. Microeconomic Theory IV (graduate): Winter 2018 and Summer 2018
4. Economic Theory: Microeconomics (graduate): Winter 2019, 2020, and 2021
5. Game Theory (graduate): Summer 2020, 2021, and 2022

Supervising

Université de Montréal

1. Messan Agbaglah, PhD 2013 (committee member)

Texas A&M University

1. Xinghua Long, PhD 2016 (committee member)
2. Jin Hyung Lee, PhD 2017 (supervisor)
3. Ghufraan Ahmad, PhD 2017 (supervisor)

University of Ottawa

1. Benjamin Reveler, Masters 2019 (supervisor)
2. Elise Critoph, PhD 2019 (committee member)
3. Dhruvad Kashyap, Masters 2020 (supervisor)
4. Nettie Bonsall, Undergraduate 2021 (supervisor)
5. Mariya Halushka, PhD 2022 (supervisor)

Other

1. Pooya Ghasvareh, PhD 2019, Concordia University (external committee member)

Professional Service

Referee: *Econometrica*, *Journal of Political Economy*, *Review of Economic Studies*, *Journal of Economic Theory*, *Theoretical Economics*, *American Economic Journal: Microeconomics*, *Operations Research*, *Mathematics of Operations Research*, *International Economic Review*, *Games and Economic Behavior*, *Economic Theory*, *Economic Theory Bulletin*, *Journal of Mathematical Economics*, *International Journal of Game Theory*, *Mathematical Social Sciences*, *Review of Economic Design*, *Social Choice and Welfare*, *Scandinavian Journal of Economics*, *the Journal of Computer Systems and Sciences*, *MATCHUP-2017*, and *SODA-2016*

Committee member: 2015 Social Science and Humanities Research Council (of Canada) Insight Development Grants (Business Management), Polanyi Prize (2021, 2022)

Program committee member: 12th International Meeting of the Society for Social Choice and Welfare, 13th International Meeting of the Society for Social Choice and Welfare, 14th International Meeting of the Society for Social Choice and Welfare, Twenty-Third ACM Conference on Economics and Computation (EC'22)

Organizer: 2017, 2018, and 2019 Ottawa Microeconomic Theory Workshop

Conference and Seminar Presentations

2022: Lausanne Matching and Market Design Workshop

2021: INFORMS 2021, International Conference on Social Choice and Voting Theory (Virginia Tech), North Carolina State University, University of Arizona (Freedom Center), University of Lausanne

2020: Lausanne Matching and Market Design Workshop

2019: The V AMMCS International Conference (Waterloo), Dalhousie University, Concordia University, Université de Montréal

2018: 14th International Meeting of the Society for Social Choice and Welfare (Seoul), Ottawa Microeconomic Theory Workshop

2017: Midwestern Economic Theory Conference (Dallas), Carleton University, Lausanne Micro Theory Workshop, North Carolina State University, University of Ottawa

2016: CIREQ Microeconomic Theory Conference (Montréal), Harvard/MIT, University of Windsor, Texas Theory Camp (Houston), Southern Methodist University, University of Bonn, University of Cologne, 13th International Meeting of the Society for Social Choice and Welfare (Lund), 50th Annual Conference of the Canadian Economic Association, Canadian Economic Theory Conference (Montréal), Midwestern Economic Theory Conference (Rochester), University of Rochester

2015: 3rd International Workshop on Matching Under Preferences (Glasgow)

2014: Texas Theory Camp (Dallas), 12th International Meeting of the Society for Social Choice and Welfare (Boston), Colloque CIREQ Montréal sur l'appariement (Montréal), University of California, Los Angeles

2013: University of Hawaii, Instituto Tecnológico Autónoma de México, Boston College, Asian Meetings of the Econometric Society (Singapore), and 8th Conference on Economic Design (Lund)

2012: McGill University, Texas A&M University, University of California, Davis, California Institute of Technology, University of Southern California, 11th International Meeting of the Society for Social Choice and Welfare (New Delhi), and 4th World Congress of the Game Theory Society (Istanbul)

2011: Université du Québec à Montréal, Universidad de Los Andes (Bogotá), 7th Conference on Economic Design (Montréal), University of Western Ontario, Aalto University School of Economics, HEC Lausanne, Yeshiva University, and Université de Montréal

2010: International Young Economists' Conference (Osaka), Indian Statistical Institute, 10th International Meeting of the Society for Social Choice and Welfare (Moscow), and the 21st International Conference on Game Theory (Stony Brook)

2009: 5th Spain, Italy, Netherlands Meeting on Game Theory (Amsterdam)

2008: 5th Conference on Economic Design (Ann Arbor)

Grants

Social Science and Humanities Research Council Insight Grant (CA\$91,178), 2019-2022

Social Science and Humanities Research Council Insight Development Grant (CA\$38,500),
2013-2015

Non-Academic Employment

Azim Premji Foundation, Bangalore, India: Information Technology Planner, 2005

Microsoft Corporation, Redmond WA: Software Design Engineer, 2003-2004