

Jangwon Park

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Contact	<i>Email:</i> jangwon.park@mail.utoronto.ca <i>Webpages:</i> https://parkjan4.github.io/ , LinkedIn	
Education	University of Toronto Ph.D., Operations Research Advisors: Timothy Chan, Vahid Sarhangian	Sept. 2021 – Present
	École Polytechnique Fédérale de Lausanne MSc., Management of Technology Advisors: Daniel Kuhn, Evangelos Vrettos	Sept. 2018 – Aug. 2020
	University of Toronto BASc., Engineering Science	Sept. 2013 – Jun. 2018
Research Areas	stochastic modeling and control, applied machine learning, operations management, health policy	
Professional Experience	Research Intern <i>Swissgrid Ltd.</i> , Aarau, Switzerland ◇ Developed a hybrid optimization algorithm for employee scheduling, solving various instances by an order of magnitude faster than CPLEX, a commercial solver.	Mar. 2020 – Oct. 2020
	Data Analyst <i>Celestica International Inc.</i> , Toronto, ON, Canada ◇ Automated the monthly financial reporting process using Sisense and SQL, reducing task completion time from 8 to 2 hours per month.	May 2016 – Aug. 2017
	Mechanical and Industrial Engineering, University of Toronto <i>Instructor</i> , Analytics in Action (MIE368) <i>Teaching assistant</i> , Stochastic Simulation (MIE1613) <i>Teaching assistant</i> , Analytics in Action (MIE368)	Fall 2024 Spring 2023, 2024, 2025 Fall 2022, 2023
Teaching Experience	Management, University of Toronto Scarborough <i>Teaching assistant</i> , Advanced Business Data Analytics (OD31)	Summer 2022
	Statistics Without Borders <i>Volunteer instructor</i> , machine learning [video lesson]	Spring 2023
Industry Project	A hybrid optimization approach for employee rostering: Use cases at Swissgrid and lessons learned [arXiv print] <u>J. Park</u> , E. Vrettos	

Working Papers	Robust confidence bands for stochastic processes using simulation [arXiv] T. C. Y. Chan, J. Park , V. Sarhangian <i>Minor revision, Operations Research Letters, 2024</i>
	Dynamic transfer policies for parallel queues [arXiv] T. C. Y. Chan, J. Park , V. Sarhangian <i>Major revision, Operations Research, 2024</i>
	Optimizing inter-hospital patient transfer decisions: a queueing network approach [SSRN] T. C. Y. Chan, J. Park , F. Pogacar, V. Sarhangian, E. Hellsten, F. Razak, A. Verma <i>Major revision, Manufacturing & Service Operations Management, 2024</i>
Published Papers	Evolution of the surgical procedure gap during and after the COVID-19 pandemic in Ontario, Canada: a cross-sectional and modeling study R. Stephenson, V. Sarhangian, J. Park , T. C. Y. Chan, and 13 others <i>British Journal of Surgery</i> , Vol. 2023, pp. znad289, 2023.
	Trends in Short-Term Renewable and Load Forecasting for Applications in Smart Grid D. Kundar, D. Lee, J. Park <i>Smart City 360</i> (2016), pp. 292-300
Presentations	“Dynamic Transfer Policies in Parallel Queues” INFORMS Annual Meeting 2024, Seattle, WA, USA MSOM Conference 2025, London, UK INFORMS APS Conference 2025, Atlanta, GA, USA
	“Optimizing inter-hospital patient transfer decisions” MSOM Healthcare SIG 2025, London, UK
	“Robust confidence bands for stochastic processes using simulation” Ph.D. Colloquium, Winter Simulation Conference 2024, Orlando, FL, USA
Selected Awards	Research 1 st place, 2024 CORS Healthcare OR SIG Student Paper Competition 2 nd place, 2024 CORS Queueing & Applied Prob. SIG Student Paper Competition
	Scholarships Mart Liinve Graduate Scholarship (\$3,800) 2024 NSERC Canada Graduate Scholarship (\$115,000) 2023–26 Ontario Graduate Scholarship (\$15,000) 2022–23 6T6 Industrial Engineering 50th Anniversary Award (\$3,000) 2021, 2022 Queen Elizabeth II Graduate Scholarship (\$15,000) 2021–22
Service	Ad-hoc journal referee: Health Care Management Science
	Conference session chair: INFORMS Healthcare Conference 2023 INFORMS Annual Meeting 2024 CORS Annual Conference 2025