

CONTACT INFORMATION	3-30G Business Building University of Alberta Edmonton, AB, T6G 2R6	Phone: +1 (780) 248-1019 Email: samiedal@ualberta.ca
ACADEMIC EMPLOYMENT	Associate Professor of Operations Management Assistant Professor of Operations Management Department of Accounting and Business Analytics Alberta School of Business University of Alberta <ul style="list-style-type: none"> • Edmonton Journal Faculty Fellow, 2019–2020 • Hugh E. Pearson Faculty Fellows, 2022–2023 Postdoctoral Fellow Research Assistant Department of Family Practice Faculty of Medicine University of British Columbia	Jul 2023–Present Jul 2016–Jun 2023 Nov 2014–Jun 2016 May 2014–Oct 2014
EDUCATION	Desautels Faculty of Management, McGill University, Montreal, Canada Ph.D. in Operations Management <ul style="list-style-type: none"> • Thesis Topic: <i>Strategic and tactical decision-making for inpatient admission and hospital bed allocation: an application to neurology wards.</i> Amirkabir University of Technology, Tehran, Iran M.Sc. in Industrial Engineering <ul style="list-style-type: none"> • Thesis Topic: <i>No-wait flow shop scheduling problem with controllable processing times</i> Sharif University of Technology, Tehran, Iran B.Sc. in Industrial Engineering	2014 2006 2004
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"> 1. Samiedaluie, S, V Tilson, A Ingolfsson (2025). Streamlining Emergency Department Workflow: Reducing Length of Stay with Congestion-Triggered Standing Orders. <i>Health Care Management Science</i>. Volume 28, pages 143–159. 2. Samiedaluie, S, D Zhang, R Zhang (2024). Approximate Linear Programming for a Queuing Admission Control Problem. <i>Computers and Operations Research</i>, Volume 169, September 2024, 106711. 3. Chuang, YT, M Zargoush, S Ghazalbash, S Samiedaluie, K Kuluski, SJT Guilcher (2023). From Prediction to Decision: Optimizing Long-Term Care Placements Among Older Delayed Discharge Patients. <i>Production and Operations Management</i>, 32(4), 1041-1058. 4. Zhang, R, S Samiedaluie, D Zhang (2022). Product-based Approximate Linear Programs for Network Revenue Management. <i>Operations Research</i>, 70(5), 2837-2850. 5. Samiedaluie, S, V Verter (2019). The impact of specialization of hospitals on patient access to care; a queuing analysis with an application to a neurological hospital. <i>Health Care Management Science</i>. 22(4), 709-726. 	

6. Samiedaluie, S, B Kucukyazici, V Verter, D Zhang (2017). Managing Patient Admissions in a Neurology Ward. *Operations Research*, 65(3), 635-656.
7. Samiedaluie, S, S Peterson, R Brant, J Kaczorowski, WV Norman (2016). "Validating abortion procedure coding in Canadian administrative databases." *BMC Health Services Research*, 16(1), p. 255.

WORKING
PAPERS

1. Samiedaluie, S, D Zhang, R Zhang (2024). Probabilistic Approximations for Network Revenue Management.
2. Asgari, A*, A Ingolfsson, S Samiedaluie (2025). Formulation, parameter estimation, and validation for a model of a call center with stochastic agent availability.
3. Asgari, A*, A Rastpour, S Samiedaluie (2025). Asymptotic analysis of queueing systems with impatient customers and stochastic agent availability.
4. Asgari, A*, A Rastpour, S Samiedaluie (2025). Solving queueing systems with customer abandonment and server unavailability using matrix-analytic methods.
5. Kanani Torshizi, M*, J Doucette, A Rastpour, N Salari, S Samiedaluie. Data-driven ambulance repositioning with threshold control: enhancing emergency medical services performance.

WORK IN
PROGRESS

1. Dynamic multi-appointment advance scheduling of elective therapy sessions considering no-show, dropout, diversion (to low-experienced therapists) and severity escalation. With Khadijeh Naboureh* and Amir Rastpour.
2. Operating room scheduling with downstream effects: Balancing post-surgery workload. With Soroush Sadeghi* and Mohammad Soltani.
3. Brownian motion approximation for optimal dynamic standing order policy in emergency departments. With Masoum Talebi* and Armann Ingolfsson.

PROCESS
IMPROVEMENT
PROJECTS

1. Optimizing Exam Room Assignments in a Pediatric Surgical Clinic. Stollery Children's Hospital, Edmonton, Alberta. With Ilbin Lee. 2019-2025.
2. Optimizing Staffing Decisions in a Surgical Short Stay Unit. Stollery Children's Hospital, Edmonton, Alberta. With Ilbin Lee. 2020-2022.

* *Trainee*

CONFERENCE
PROCEEDINGS

1. Norman, WV, S Samiedaluie, R Brant, J Kaczorowski, S Bryan (2016). Contraception method at abortion is directly related to rate of recurrent pregnancy: Results from RCTs linked to provincial health administrative data. Society of Obstetricians and Gynaecologists of Canada Annual Clinical and Scientific Conference, Oral Presentation. June 14–17, 2016. Vancouver, British Columbia.
2. Norman, WV, S Samiedaluie, R Brant, J Kaczorowski, S Bryan (2016). Reducing recurrent unintended pregnancy: A policy option that saves costs. The Pathways to Health Equity: Levelling the Playing Field Conference, Oral Presentation. May 30–June 1, 2016. Winnipeg, Manitoba.
3. Norman, WV, S Samiedaluie, R Brant, D Shaw, J Kaczorowski (2016). The SMART Program (Safe Methods at the Right Time): Is provision of free contraception more cost-effective than managing unintended pregnancies, among women presenting for an index abortion? CIHR- Sparking Population Health Solutions Summit. April 25–28, 2016. Ottawa, Ontario.
4. Norman, WV, S Samiedaluie, R Brant, J Kaczorowski, S Bryan (2016). Subsequent pregnancy outcomes post-abortion, by contraception method. *Contraception* 2016 93(5): 470. National Abortion Federation 40th Annual Meeting. Oral Presentation. April 14–16, 2016. Austin, Texas.
5. Samiedaluie, S, WV Norman (2015). Accuracy of surgical abortion data capture in Canadian Government Health Administration Databases. *Contraception*, 92(4), p.371.
6. Blostein, M, B Kucukyazici, V Verter, S Samiedaluie (2011). Clinical decision making for prevention of stroke from atrial fibrillation., *Medical Decision Making*, January/February 2011, vol. 31. No. 1, E54–E180.
7. Samiedaluie, S, B Karimi (2007). Two-Machine No-Wait Flow Shop Scheduling Problem with Precedence Constraints. *Operations Research Proceedings*. Springer Berlin Heidelberg, 2007. 191–196.

KNOWLEDGE AND
TECHNOLOGY
TRANSLATIONS

1. Norman, WV, S Bryan, S Samiedaluie, J Kaczorowski, R Brant, S Dunn, J Shoveller, G Ogilvie, S Shechter, J Christilaw (2018). British Columbia's Contraception Access Subsidy (BCAS): Contraception Cost-Effectiveness in British Columbia. Report Commissioned by the Provincial Health Officer, Ministry of Health, Government of British Columbia. 22 June 2018.
2. Norman, WV, S Bryan, S Samiedaluie, J Kaczorowski, R Brant, S Dunn, J Shoveller, G Ogilvie, S Shechter, J Christilaw, P Kendall (2017). Sexual health indicators in British Columbia (2015): Contraception use rates and determinants among 19 to 49 year old females. Report Commissioned by the Population and Public Health Division, Ministry of Health, Government of British Columbia. 22 February 2017.
3. Norman, WV, S Bryan, R Brant, S Samiedaluie, J Kaczorowski, D Shaw (2015). The SMART Program: Safe Methods At the Right Time. Reducing recurrent unintended pregnancy through provision of highly effective contraception at the time of abortion. Invited brief prepared at the request of British Columbia Ministry of Health. July 2015.

RESEARCH FUNDS

1. Approximate Dynamic Programming for Network Revenue Management
Source: The Hugh E. Pearson Fellowship, Alberta School of Business, University of Alberta, 2022–2023.
Role: Principal Investigator
Amount: CAD 15,000
2. Approximate Dynamic Programming for Service Systems
Source: Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant, 2020–2027.
Role: Principal Investigator
Amount: CAD 173,500
3. Approximate Dynamic Programming for a Queueing Admission Control Problem
Source: Endowment Fund for the Future–Support for the Advancement of Scholarship, University of Alberta, 2019–2020.
Role: Principal Investigator
Amount: CAD 5,000
4. The Impact of Manufacturer’s Commitment on Supplier’s Continuous Improvement
Source: The Edmonton Journal Fellowship, Alberta School of Business, University of Alberta, 2019–2020.
Role: Principal Investigator
Amount: CAD 15,000
5. Managing Alternate Level of Care Patients in Community Hospital Networks
Source: Endowment Fund for the Future–Support for the Advancement of Scholarship, University of Alberta, 2018–2019.
Role: Principal Investigator
Amount: CAD 6,000
6. Development and Pilot Testing of a Contraception Decision Tool for Canadians
Source: Nelly Auersperg Award in Women’s Health Research, BC Women’s Health Research Institute, 2015–2016.
Role: Co-Investigator
PI: Flora Teng. Other CO-Is: Eleni Stroulia, and Wendy V. Norman
Amount: CAD 15,000
7. Planning for the CONNECT Study: Integrating Family Planning into Community Services for Women Experiencing Intimate Partner Violence
Source: Interdisciplinary Innovation Grants, Society of Family Planning, August-December 2015.
Role: Co-Investigator
Principal Investigator: Wendy V. Norman. Other CO-Investigators: Dustin Costescu, Sheila Dunn, Angel Foster, Patti Janssen, Janusz Kaczorowski, Tamil Kendall, Robin Mason, Regina Renner, and Ashley Waddington
Amount: USD 25,000

INVITED SEMINARS	Patient Admission and Bed Allocation Policies in Acute Care Wards: An Application to a Neurology Ward Leeds School of Business, University of Colorado Boulder Boulder, United States	Mar 2018
	Patient Admission and Bed Allocation Policies in Acute Care Wards: An Application to a Neurology Ward Department of Industrial Engineering, School of Engineering, Ferdowsi University of Mashhad Mashhad, Iran	Aug 2017
	Patient Admission and Bed Allocation Policies in Acute Care Wards: An Application to a Neurology Ward Department of Health Policy and Management, School of Public Health, Texas A&M University College Station, United States	Feb 2016
	Development of a simulation model to study women's sexual health behaviours and family planning related outcomes UBC Department of Family Practice Research Rounds Vancouver, Canada	Jun 2015
	The development and validation of a simulation model to address policy questions relating to contraception access Centre for Clinical Epidemiology and Evaluation (C2E2) Research Rounds Vancouver, Canada	Mar 2015
	Patient Admission and Bed Allocation Policies in Acute Care Wards Catholica-Lisbon School of Business and Economics Research Seminars Lisbon, Portugal	Jan 2015
CONFERENCE PRESENTATIONS	Probabilistic Approximations for Network Revenue Management: <ul style="list-style-type: none"> • CORS/INFORMS International Conference, Vancouver, Canada 	Jun 2022
	Models of the Impact of Triage Nurse Standing Orders on Emergency Department Length of Stay: <ul style="list-style-type: none"> • CORS/INFORMS International Conference, Vancouver, Canada • CORS Annual Conference, Online • INFORMS Annual Meeting, Online 	Jun 2022 Jun 2021 Nov 2020
	Approximate Linear Programming for a Queueing Admission Control Problem: <ul style="list-style-type: none"> • CORS Annual Conference, Online event • INFORMS Annual Meeting, Seattle, United States • 30th European Conference on Operational Research, Dublin, Ireland • INFORMS Revenue Management & Pricing Conference, Palo Alto, United States • CORS Annual Conference, Saskatoon, Canada • INFORMS Annual Meeting, Phoenix, United States • INFORMS Revenue Management & Pricing Conference, Toronto, Canada 	Jun 2021 Oct 2019 Jun 2019 Jun 2019 May 2019 Nov 2018 Jun 2018

Predicting Health and Economic Outcomes of Providing Subsidy for Contraception in British Columbia Using a Simulation Model:

- INFORMS Annual Meeting, Phoenix, United States Nov 2018
- CORS Annual Conference, Halifax, Canada Jun 2018
- INFORMS Healthcare, Rotterdam, Netherlands Jul 2017

Accuracy of Surgical Abortion Data Capture in Canadian Government Health Administration Databases:

- 2015 North American Forum on Family Planning, Chicago, United States Nov 2015

Specialization of Healthcare Services and Its Impact on Operational Efficiency:

- INFORMS Annual Meeting, Nashville, United States Nov 2016
- INFORMS Annual Meeting, Philadelphia, United States Nov 2015

Admission Policies in a Neurological Hospital Ward:

- INFORMS Annual Meeting, Minneapolis, United States Oct 2013
- INFORMS Healthcare, Chicago, United States Jun 2013
- POMS Annual Meeting, Denver, United States May 2013
- INFORMS Annual Meeting, Phoenix, United States Oct 2012
- INFORMS Annual Meeting, Charlotte, United States Nov 2011
- INFORMS Healthcare, Montreal, Canada Jun 2011

TEACHING
EXPERIENCE

Instructor:

OM 352 – Operations Management
Bachelor of Commerce Core Course
Alberta School of Business, University of Alberta
Winter 2017, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023, Fall 2024.

OM 411 – Business Process Management
Bachelor of Commerce Operations Management Major Course
Alberta School of Business, University of Alberta
Winter 2017, Winter 2018, Winter 2019, Winter 2021, Winter 2022, Winter 2024.

MGCR 472 – Operations Management
Bachelor of Commerce Core Course
Desautels Faculty of Management, McGill University
Winter 2012.

TEACHING
FUNDS

University of Alberta Blended Learning Award 2019
OM 352 – Operations Management
With Armann Ingolafsson (Lead Instructor) and Sam Ito
Amount: CAD 15,000

AWARDS

National Bank Financial Group Ph.D. Fellowship (\$5,500), Desautels Faculty of Management, McGill University, 2012–2013.

Marcel Desautels Ph.D. Fellowship (\$12,750), Desautels Faculty of Management, McGill University, 2011–2012.

Bourse d'excellence du CIRRELT (\$4,000), Montreal, Canada, 2009–2010.

CREATE HOIM Program Ph.D. Fellowship (\$21,000/year), 2010–2014.

Doctoral Program Entrance Fellowship (\$20,000), Desautels Faculty of Management, McGill University, 2008–2009.

ACADEMIC SERVICES AND MEMBERSHIPS

Ad-hoc Journal Reviewer:

- Production and Operations Management
- Manufacturing & Service Operations Management
- INFORMS Journal on Computing
- Health Care Management Science
- Information Systems and Operational Research (INFOR)
- IIE Transactions
- Socio-Economic Planning Sciences
- Operations Research for Healthcare

Research Grants Reviewer:

- Multidisciplinary Review Panel Member for the New Frontiers in Research Fund (NFRF) 2022 Special Call–Research for Postpandemic Recovery

Scholarly Community Service:

- Canadian Operational Research Society (CORS) Councillor 2023–2025
- Secretary/Treasurer: Health Care Operational Research Special Interest Group (SIG) of Canadian Operational Research Society (CORS) 2018–2020

Conference Organization:

- Conference chair/co-chair:
 - 2025 CORS Annual Conference (co-chair)
 - 2024 CanQueue Workshop (co-chair)
- Session chair:
 - 2022 CORS Annual Conference
 - 2021 CORS Annual Conference
 - 2019 CORS Annual Conference
 - 2017 INFORMS Healthcare Conference
 - 2013 INFORMS Healthcare Conference
 - 2012 INFORMS Annual Meeting
- Local organizing committee member: 2020 Annual MSOM Conference (canceled due to Covid-19)
- Program committee member: 2020 Annual MSOM Conference (canceled due to Covid-19)