

# Dr. Mehmet A. Begen, CAP

Associate Professor, Ivey Business School, Western University  
cross-appointed, Statistical and Actuarial Sciences, Science  
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## Education

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### Sauder School of Business, University of British Columbia (UBC), Vancouver BC, Canada

PhD in Management Science, 2004 – 2010

- Thesis title: Appointment Scheduling with Discrete Random Durations and Applications
- Thesis committee: Maurice Queyranne (supervisor), Martin L. Puterman, Mahesh Nagarajan, Ralph Winter

MSc in Management Science, 2000 – 2001

- Thesis title: Production Planning in JSM Fisheries Ltd: Catch Allocation Decision Tool Support Design
- Thesis supervisor: Martin L. Puterman

### Middle East Technical University (METU), Ankara, Turkey

BSc in Industrial Engineering, 1995 – 2000

Certificate of Information Technologies in Computer Engineering, 1998 – 2000

## Honors, Awards and Distinctions

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- 2024 Canadian Operational Research Society (CORS) Healthcare Optimization Workshop (CHOW) organizer
- 2024 Ivey Research Merit Award
- 2024 Ivey Business Analytics Teaching Excellence Award
- 2023 Ivey Research Merit Award
- 2023 Ivey Business Analytics Teaching Excellence Award
- 2022 - 25 Dean's Research Faculty Fellowship
- 2021 Meritorious Reviewer Award from INFORMS Journal on Computing
- 2021 Canadian Operational Research Society (CORS) Eldon Gunn Service Award
- 2019 Ivey Bridge Award (Research award presented to a faculty whose stream of research has impact beyond traditional SSCI categories of Business and Management).
- 2017 - 00 Canadian Operational Research Society (CORS) VP (2017-18), President (2018-19), Past President (2019-20)
- 2017 CORS Practice Prize Finalist
- 2015 Sponsored Sessions Chair for INFORMS (Institute for Operations Research and the Management Sciences) Healthcare Conference, Nashville TN
- 2014 Winner of FICO's "Optimize the Real World" contest, 2014
- 2014 - Certified Analytics Professional (CAP)
- 2013 Cluster Chair, Healthcare Operations Management, for INFORMS Healthcare Conference, Chicago IL
- 2013 - 17 CORS Education Chair
- 2009 Second prize for the INFORMS Manufacturing & Service Operations Management (MSOM) Student Paper Competition
- 2009 Runner-up for the INFORMS Computing Student Paper Competition
- 2009 Honorable mention for CORS Student Paper Competition
- 2003 - 09 CORS Diploma Coordinator for UBC
- 2004 - 08 Dean Earle D MacPhee Memorial Fellowship in Business Administration and UBC Tuition Awards
- 2005 - 08 PGSD3 NSERC Scholarship
- 2006 Honorable mention for INFORMS Bonder Scholarship
- 2004 UBC Lusztig Fellowship
- 2003 CORS Practice Prize
- 2003 Program Chair for the 45th CORS Annual Conference
- 2003 Co-author of the paper that received the Best Student-paper Award at IEEE ICIP
- 2002 INFORMS Case Study Competition Finalist
- 2002 Best Business Application Award at SCOPE (Student Conference on Operations)
- 2002 CORS Diploma

- 2001 Best Graduate Student Presentation Award at CISCO (Canadian International Student Conference on OR)
- 2000 – 01 Centre for Operations Excellence (COE) Scholarship and UBC Tuition Awards
- 1996 – 00 Honor student at the Middle East Technical University
- 1992 – 95 Honor student at Konya Meram Science High School

## Publications (\* indicates my students, postdoctoral fellows, visiting scholars)

### Journal articles

49. Habbous\*, Steven, Beth Montesi, Christy Masse, Corinne Weernink, Sisira Sarma, Mehmet A. Begen, Ngan N. Lam et al. "The Flow of Living Kidney Donor Candidates Through the Evaluation Process: A Single-Center Experience in Ontario, Canada." *Canadian Journal of Kidney Health and Disease*, no. 12 (2025): 20543581251323964.
48. Okuyan\*, Hamza Malik, Ayça Coşkun, and Mehmet A. Begen. "Current status, opportunities and challenges of exosomes in diagnosis and treatment of osteoarthritis." *Life Sciences* (2025): 123365.
47. Batun\*, Sakine, Mehmet A. Begen, and Gregory S. Zaric. "Optimal co-development contracts for companion diagnostics." *European Journal of Operational Research* 323, no. 1 (2025): 241-252.
46. Ghandi, Fatemeh, Mostafa Davtalab-Olyaie\*, Masoud Asgharian, Mehmet A. Begen, and Abbas Saadatmandi. "Pareto-optimal peer evaluation in context-dependent DEA." *Operational Research* 25, no. 1 (2025): 1-40.
45. \*Davtalab-Olyaie, Mostafa, Mehmet A. Begen, Zijiang Yang, and Masoud Asgharian. "Incentivization in centrally managed systems: Inconsistencies resolution." *Omega* no. 129 (2024): 103160.
44. Klein\*, Andrew, and Mehmet A. Begen. "COVID-19 Policy Response Analysis: A Canadian Perspective." *International Journal of Environmental Research and Public Health* 21, no. 6 (2024): 787.
43. Begen, Mehmet A., Felipe F. Rodrigues, Tim Rice, and Gregory S. Zaric. "A forecasting tool for a hospital to plan inbound transfers of COVID-19 patients from other regions." *BMC Public Health* 24, no. 1 (2024): 505.
42. Lotfi\*, Ali, Zhengrui Jiang, Joe Naoum-Sawaya, and Mehmet A. Begen. "Modeling Sales of Multigeneration Technology Products in the Presence of Frequent Repeat Purchases: A Fractional Calculus-Based Approach." *Production and Operations Management* 33, no. 5 (2024): 1176-1195.
41. Begen, Mehmet A., Fredrik Ødegaard, and Jafar Sadeghi\*. "Intra-provincial benchmark analysis of COVID-19 in Canada." *INFOR: Information Systems and Operational Research* 62, no. 3 (2024): 377-418.
40. Begen, Mehmet A., Fredrik Ødegaard, and Jafar Sadeghi\*. "On aggregation of technical and revenue efficiency measures." *Journal of Productivity Analysis* 62, no. 3 (2024): 335-350 [link].
39. Lyons\*, John SF, Mehmet A. Begen, and Peter C. Bell. "Surgery Scheduling and Perioperative Care: Smoothing and Visualizing Elective Surgery and Recovery Patient Flow." *Analytics* 2, no. 3 (2023): 656-675. <https://doi.org/10.3390/analytics2030036>
38. Akioyamen\*, Peter, and Mehmet A. Begen. "A Spatio-Temporal Analysis of OECD Member Countries' Health Care Systems: Effects of Data Missingness and Geographically and Temporally Weighted Regression on Inference." *International Journal of Environmental Research and Public Health* 20, no. 13 (2023): 6265. <https://doi.org/10.3390/ijerph20136265>
37. Dogan, Serdar, Hamza Malik Okuyan\*, Tayibe Bal, Mehmet Çabalak, and Mehmet A. Begen. "Relationship of thrombospondin-1 and thrombospondin-2 with hematological, biochemical and inflammatory markers in COVID-19 patients." *Turkish Journal of Biochemistry* 48, no. 4 (2023): 368-375.
36. Sadeghi\*, Jafar, Mehmet A. Begen, and Fredrik Ødegaard. "Refined bounds for the non-Archimedean  $\epsilon$  in DEA." *Computers & Operations Research* 154 (2023): 106163 [pdf] [link].
35. Naderi\*, Bahman, Mehmet A. Begen, Gregory S. Zaric, and Vahid Roshanaei. "A novel and efficient exact technique for integrated staffing, assignment, routing, and scheduling of home care services under uncertainty." *Omega* 116 (2023): 102805 [link].
34. Bayazıt, Beray, Gülnihal Uçarkuş, Burcu Çağlar Gençosman\*, and Mehmet A. Beğen. "Raf Atama Yönetimi için Tamsayılı Programlama Destekli Meta-Sezgisel Algoritmalar." (Meta-Heuristic Algorithms based on Integer Programming for Shelf Space Allocation Problems) *Avrupa Bilim ve Teknoloji Dergisi* 41 (2022): 100-117 [link].
33. Okuyan\*, Canan Birimoglu, Songul Caglar, and Mehmet A. Begen. "How does the COVID-19 pandemic influence educational and psychological health of nursing students in Turkey: What can be done to minimize adverse effects of the pandemic?" *Technium Education and Humanities* 2, no. 4 (2022): 63-72 [link].
32. Zacharias, Christos, Nan Liu, and Mehmet A. Begen. "Dynamic interday and intraday scheduling." *Operations research* 72, no. 1 (2024): 317-335 (pdf).
31. Okuyan\*, Hamza Malik, and Mehmet A. Begen. "LncRNAs in osteoarthritis." *Clinica chimica acta* 532 (2022): 145-163 [link].
30. Bayley\*, Tiffany, Mehmet A. Begen, Felipe F. Rodrigues, and David Barrett. "Relative efficiency of radiation treatment centers: an application of data envelopment analysis." *Healthcare*, vol. 10, no. 6, p. 1033. MDPI, 2022 [link].

29. Naderi\*, Bahman, Mehmet A. Begen, and Gregory S. Zaric. "Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms." *Computers & Operations Research* 142 (2022): 105728 ([pdf](#)) ([link](#)).
28. Burcu Caglar Gencosman and Mehmet A. Begen, "Exact Optimization and Decomposition Approaches for Shelf Space Allocation" to appear in *European Journal of Operational Research*, Sep 2021 ([pdf](#)) ([link](#)).
27. Birimoglu\* Okuyan, Canan, and Mehmet A. Begen. "Working from home during the COVID-19 pandemic, its effects on health, and recommendations: The pandemic and beyond." *Perspectives in psychiatric care* 58, no. 1 (2022): 173-179 ([link](#)).
26. Okuyan\*, Canan Birimoglu, and Mehmet A. Begen. "Why are Elderly at Higher Risk and what should be done for them During the COVID-19 pandemic?" *International Journal of Caring Sciences* 14, no. 1 (2021): 767 ([link](#)).
25. Sang\*, Peijun, Mehmet A. Begen, and Jiguo Cao. "Appointment scheduling with a quantile objective." *Computers & Operations Research* 132 (2021): 105295 ([link](#)).
24. Naderi\*, Bahman, Vahid Roshanaei, Mehmet A. Begen, Dionne M. Aleman, and David R. Urbach. "Increased surgical capacity without additional resources: Generalized operating room planning and scheduling." *Production and Operations Management* 30, no. 8 (2021): 2608-2635 ([link](#)).
23. Okuyan\*, Hamza Malik, Serdar Dogan, Menderes Yusuf Terzi, Mehmet A. Begen, and Faruk Hilmi Turgut. "Association of serum lncRNA H19 expression with inflammatory and oxidative stress markers and routine biochemical parameters in chronic kidney disease." *Clinical and Experimental Nephrology* 25 (2021): 522-530 ([link](#)).
22. Okuyan\*, Hamza Malik, and Mehmet A. Begen. "miRNAs as attractive diagnostic and therapeutic targets for Familial Mediterranean Fever." *Modern Rheumatology* 31, no. 5 (2021): 949-959 ([link](#)).
21. Habbous\*, Steven, Lianne Barnieh, Scott Klarenbach, Braden Manns, Sisira Sarma, Mehmet A. Begen, Kenneth Litchfield, Krista L. Lentine, Sunita Singh, and Amit X. Garg. "Evaluating multiple living kidney donor candidates simultaneously is more cost-effective than sequentially." *Kidney International* 98, no. 6 (2020): 1578-1588 ([link](#)).
20. Sauré, Antoine, Mehmet A. Begen, and Jonathan Patrick. "Dynamic multi-priority, multi-class patient scheduling with stochastic service times." *European Journal of Operational Research* 280, no. 1 (2020): 254-265 ([link](#)).
19. Barzanji, Ramin, Bahman Naderi\*, and Mehmet A. Begen. "Decomposition algorithms for the integrated process planning and scheduling problem." *Omega* 93 (2020): 102025 ([link](#)).
18. Begen, Mehmet A., Martin L. Puterman, and Hongtu Wu. "Development of an operational and tactical decision support tool for a Canadian beverage firm: a case study." *European Journal of Industrial Engineering* 13, no. 2 (2019): 245-263 ([link](#)).
17. Rastpour\*, Amir, Mehmet A. Begen, Alexander V. Louie, and Gregory S. Zaric. "Variability of waiting times for the 4 most prevalent cancer types in Ontario: a retrospective population-based analysis." *Canadian Medical Association Open Access Journal* 6, no. 2 (2018): E227-E234 ([link](#)).
16. Habbous\*, Steven, Eric McArthur, Sisira Sarma, Mehmet A. Begen, Ngan N. Lam, Braden Manns, Krista L. Lentine et al. "Potential implications of a more timely living kidney donor evaluation." *American Journal of Transplantation* 18, no. 11 (2018): 2719-2729. ([link](#)).
15. Habbous\*, Steven, Sisira Sarma, Lianne J. Barnieh, Eric McArthur, Scott Klarenbach, Braden Manns, Mehmet A. Begen, Krista L. Lentine, Amit X. Garg, and Donor Nephrectomy Outcomes Research (DONOR) Network. "Healthcare costs for the evaluation, surgery, and follow-up care of living kidney donors." *Transplantation* 102, no. 8 (2018): 1367-1374 ([link](#)).
14. Lyons\*, John SF, Peter C. Bell, and Mehmet A. Begen. "Solving the Whistler-Blackcomb Mega Day Challenge." *Interfaces* 48, no. 4 (2018): 323-339. (2017 CORS Practice Prize Finalist.) 2018 ([link](#)).
13. Habbous\*, Steven, Jennifer Arnold, Mehmet A. Begen, Neil Boudville, Matthew Cooper, Christine Dipchand, Stephanie N. Dixon et al. "Duration of living kidney transplant donor evaluations: findings from 2 multicenter cohort studies." *American Journal of Kidney Diseases* 72, no. 4 (2018): 483-498. ([link](#)).
12. Habbous\*, Steven, Eric McArthur, Stephanie N. Dixon, Susan McKenzie, Carlos Garcia-Ochoa, Ngan N. Lam, Krista L. Lentine, Christine Dipchand, Kenneth Litchfield, Mehmet A. Begen, Sisira Sarma, Amit X. Garg, "Initiating maintenance dialysis before living kidney donor transplantation when a donor candidate evaluation is well underway." *Transplantation* 102, no. 7 (2018): e345-e353 ([link](#)).
11. Begen, Mehmet A., Richard Fung\*, Daniel Granot, Frieda Granot, Chris Hall, and Bailey Kluczny. "Evaluation of a centralised transportation assistance system for passengers with special needs at a Canadian airport." *International Journal of Shipping and Transport Logistics* 10, no. 3 (2018): 355-376. ([link](#)).
10. Babashov\*, V., I. Aivas, M. A. Begen, J. Q. Cao, G. Rodrigues, D. D'souza, M. Lock, and G. S. Zaric. "Reducing patient waiting times for radiation therapy and improving the treatment planning process: a discrete-event simulation model (radiation treatment planning)." *Clinical Oncology* 29, no. 6 (2017): 385-391 ([link](#)).

9. Ozturk\*, Onur, Mehmet A. Begen, and Gregory S. Zaric. "A branch and bound algorithm for scheduling unit size jobs on parallel batching machines to minimize makespan." *International Journal of Production Research* 55, no. 6 (2017): 1815-1831 ([link](#)).
8. Babashov\*, V., M. A. Begen, J. Mangel, and G. S. Zaric. "Economic evaluation of brentuximab vedotin for persistent Hodgkin lymphoma." *Current Oncology* 24, no. 1 (2017): e6. ([link](#)).
7. Begen, Mehmet A., Hubert Pun, and Xinghao Yan. "Supply and demand uncertainty reduction efforts and cost comparison." *International Journal of Production Economics* 180 (2016): 125-134 ([link](#)).
6. Caglar Gencosman\*, Burcu, Mehmet A. Begen, Huseyin Cenk Ozmutlu, and Imren Ozturk Yilmaz. "Scheduling methods for efficient stamping operations at an automotive company." *Production and Operations Management* 25, no. 11 (2016): 1902-1918. (winner of FICO's "Optimize the Real World" contest, 2014) ([link](#)).
5. Ozturk\*, Onur, Mehmet A. Begen, and Gregory S. Zaric. "A branch and bound based heuristic for makespan minimization of washing operations in hospital sterilization services." *European Journal of Operational Research* 239, no. 1 (2014): 214-226. ([link](#)).
4. Begen, Mehmet A., Retsef Levi, and Maurice Queyranne. "A sampling-based approach to appointment scheduling." *Operations research* 60, no. 3 (2012): 675-681 ([link](#)).
3. Begen, Mehmet A., and Maurice Queyranne. "Appointment scheduling with discrete random durations." *Mathematics of Operations Research* 36, no. 2 (2011): 240-257 ([link](#)).
2. Santibáñez\*, Pablo, Mehmet Begen, and Derek Atkins. "Surgical block scheduling in a system of hospitals: an application to resource and wait list management in a British Columbia health authority." *Health care management science* 10 (2007): 269-282. ([link](#)).
1. Begen, Mehmet. A., Martin L. Puterman. "Development Of A Catch Allocation Tool Design For Production Planning At Js Mcmillan Fisheries." *INFOR: Information Systems and Operational Research*, 41(3), 235-244. ([link](#)).

#### Other articles

01. Fišar, M., Greiner, B., Huber, C., Katok, E., Ozkes, A., and the Management Science Reproducibility Collaboration (forthcoming). Dec 2023. Reproducibility in Management Science. *Management Science*. ([link](#)) (Consortium Authorship).
02. Derek Atkins, Mehmet A. Begen, Bailey Kluczny, Anita Parkinson and Martin L. Puterman, "The 90-10 Rule; *OR Models Help Improve Passenger Flows and Customer Service at Vancouver International Airport*," *ORMS Today*, 30(2): 26-29, 2003 (**Canadian Operations Research Society (CORS) Practice Prize**). (Practitioner Article).

#### Papers under review or under revisions

- U10. Combined Advance and Appointment Scheduling for Multi-Priority and Multi-Service Class Patients (A. Kandakoglu, A. Sauré, M.A.Begen) (under revision)
- U9. Empowering or Eroding Contributions? How Generative AI Impacts User-Generated Content Across Diverse Communities (H. Shorakaei, M. Zhang, T. Bayley, M.A.Begen) ([link](#)) (accepted by <https://business.wisc.edu/event/symposium-on-artificial-intelligence-in-marketing/> and among the top downloaded papers at SSRN)
- U8. Strategies for Units Incentivization: Assessing Influence by Maximizing Loss/Gain in Centrally Managed Systems (M. Davtalab-Olyaie\*; M.A. Begen, M. Asgharian) (under review).
- U7. Giveaway Strategies for a New Technology Product (A. Lotfi\*, M.A. Begen, J. Naoum-Sawaya) (under review).
- U6. Stochastic Multi-Featured Home Health Care Planning and Scheduling: Models, Relaxations, and Multi-Level Exact Methods (B. Naderi\*, V. Roshanaei, M. A. Begen) (under review).
- U5. Channel Structure of Online Retail Platforms: Impact of Asymmetric Information and Capacity Constraints (H. Shorakaei\*, H. Elahi, T. Bayley, M. A. Begen, H. Pun) (under revision).
- U4. Integrated order acceptance and resource decisions under uncertainty: Robust and stochastic approaches (B. Naderi\*, M.A. Begen, G. Zhang) ([link](#)) (under revision).
- U3. Companion Diagnostic Co-development Contracts with Risk Averse and Risk Seeking Agents (J. Qian\*, M.A. Begen, G. Zaric) (under revision).
- U2. Factors influencing the physio psychosocial state and health concerns of Canadian and Iranian undergraduate nursing students during the pandemic (C. Birimoglu Okuyan\*, M. A. Begen, J. Mohtashami, Z. Gungormus (under revision).
- U1. LncRNA H19 may serve as a diagnostic marker and therapeutic target for kidney diseases (H.M. Okuyan\*, A. Coskun, Ş. Ö. Ayçiçek, M.A. Begen, F.H. Turgut) (under revision).



### Conference Articles

- C8. Kenneth T. Goh, Ann C. Peng, Mehmet A. Begen. (2016). A Moderated-Mediation Model of the Effect of Variation in Efficacy Beliefs on Team Performance. INGroup (Interdisciplinary network for group research), Helsinki, Finland, July 2016.
- C7. Mehmet A. Begen and Maurice Queyranne, "Appointment Scheduling with Discrete Random Durations," in Proc. Symposium on Discrete Algorithms (SODA), New York NY, 2009.
- C6. Ali C. Begen, Mehmet A. Begen and Yucel Altunbasak, "Predictive Modeling of Video Packet Delay in IP Networks," in Proc. IEEE International Conference on Image Processing (ICIP), Atlanta GA, Oct 2006.
- C5. Ali C. Begen, Mehmet A. Begen, Yucel Altunbasak and M. Reha Civanlar, "Proxy Selection for Interactive Video," in Proc. IEEE International Conference on Communications (ICC), Istanbul, Turkey, June 2006.
- C4. Mehmet A. Begen, Martin L. Puterman and Ernest Wu, "Operational and Tactical Planning in the Beverage Industry," in Proc. 39th Canadian Transportation Research Forum (CTRF) Conference Transportation Revolutions, 436–445, Calgary AB, Canada, 2004.
- C3. Derek Atkins, Mehmet A. Begen, Bailey Kluczny, Anita Parkinson and Martin L. Puterman, "PreBoard Screening Analysis at Vancouver International Airport," in Proc. 39th CTRF Conference Transportation Revolutions, 530–539, Calgary AB, Canada, 2004.
- C2. Ali C. Begen, Yucel Altunbasak and Mehmet A. Begen, "Rate-Distortion Optimized On-Demand Media Streaming with Server Diversity," in Proc. IEEE International Conference on Image Processing, Barcelona, Spain, Sep 2003 (Best Student-paper Award).
- C1. Ali C. Begen, Yucel Altunbasak, Ozlem Ergun and Mehmet A. Begen, "Real-Time Multiple Description and Layered Encoded Video Streaming with Optimal Diverse Routing," in Proc. IEEE International Symposium on Computers and Communications, Antalya, Turkey, June 2003.

### Book Chapters

- B8. Ozturk, O., Begen, M.A., Zaric, G.S. (August 25, 2022). Impact of Operational Constraints on the Implied Value of Life. In: Calisir, F. (eds) Industrial Engineering in the Age of Business Intelligence. GJCIE 2021. Lecture Notes in Management and Industrial Engineering. Springer, Cham. [https://doi.org/10.1007/978-3-031-08782-0\\_24](https://doi.org/10.1007/978-3-031-08782-0_24)
- B7. Onur Ozturk, Mehmet A. Begen, Gregory S. Zaric (August 08, 2021) Home Health Care Services Management: Districting Problem Revisited. In: Calisir F. (eds) Industrial Engineering in the Internet-of-Things World. GJCIE 2020. Lecture Notes in Management and Industrial Engineering. Springer, Cham. [https://doi.org/10.1007/978-3-030-76724-2\\_30](https://doi.org/10.1007/978-3-030-76724-2_30)
- B6. Burcu Caglar Gencosman,\* H. Cenk Ozmutlu, Huseyin Ozkan and Mehmet A. Begen, "Automotive Stamping Operations Scheduling Using Mathematical Programming and Constraint Programming," in Bopaya Bidanda, Ihsan Sabuncuoglu and Bahar Y. Kara (Eds.), Industrial Engineering Non-Traditional Applications in International Settings. CRC Press, Nov 2014, 37–68.
- B5. Sakine Batun\* and Mehmet A. Begen, "Optimization in Healthcare Delivery Modeling: Methods and Applications," in B. Denton (Ed.), Healthcare Operations Management: A Handbook of Methods and Applications, Springer, Jan 10, 2013, 75–119.
- B4. Mehmet A. Begen, Srinivas Krishnamoorthy, and John Wilson, "Writing ORMS/Analytics Cases," in J.J. Cochran (Ed.), Wiley Encyclopedia of Operations Research and Management Science, Wiley, Oct 15, 2013, 1–10.
- B3. Mehmet A. Begen, Srinivas Krishnamoorthy, and John Wilson, "Teaching ORMS/Analytics with Cases," in J.J. Cochran (Ed.), Wiley Encyclopedia of Operations Research and Management Science, Wiley, Dec 2012, 1–13.
- B2. Mehmet A. Begen, "Stochastic Dynamic Programming Models and Applications" in J.J. Cochran (Ed.), Wiley Encyclopedia of Operations Research and Management Science, Wiley, Feb 15, 2011.
- B1. Jonathan Patrick and Mehmet A. Begen, "Markov Decision Processes and Its Applications in Healthcare" in Yuehwern Yih (Ed.), Handbook of Healthcare Delivery Systems, CRC Press, Dec 13, 2010, 17–1/18–11.

### Non-Refereed Articles

- N3. Alan J. King, Mehmet A. Begen, Monica Cojocaru, Ellen Fowler, Yashar Ganjali, Judy Lai, Taijin Lee, Carmeliza Navasca and Daniel Ryan, "Web Hosting Service Level Agreements," Proc. Pacific Institute for Mathematical Sciences Industrial Problem Solving Workshop, 2001.
- N2. John Chadam, Mehmet A. Begen, Ali Ghodsi Boushehri, Yuriy Kazmerchuk, Selly Kane, Viktoria Krupp, Eric Machorro, Eva-Marie Nosal and Limei Sun, "Problems in Portfolio Analysis," Proc. Pacific Institute for Mathematical Sciences Graduate Industrial Math Modelling Camp, 2001 (<http://www.pims.math.ca/files/gimmc4.pdf>).

- N1. MSOM Society Student Paper Competition: Abstracts of 2009 Winners, MSOM, 12(1): 184–187, 2010.

### Theses

- T2. PhD Thesis, Appointment Scheduling with Discrete Random Durations and Applications, UBC, 2010  
T1. MSc Thesis, Production planning in JSM Fisheries Ltd: Catch Allocation Decision Tool Support Design, UBC, 2001

## Funding

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14. Co-PI - Ivey Critical Issues (CI) Funding (\$125K) (2025-2027)
13. Ivey additional research funding + seed funding for CI grant (\$15K) (2023-2024)
12. PI - NSERC Discovery Grant, granted April 2024 for 5 years (\$36,000/year)
11. Co-PI - Canadian Hearing Services Global Partnerships Research and Innovation 2022 for 2 years (\$48K/year)
10. PI - NSERC Discovery Grant, granted April 2018 for 5 years (\$26,000/year)
9. PI - 2018/2019 Cancer Care Ontario (CCO) Grant (\$97,600)
8. Co-PI - UWO IDI, granted 2017 for 3 years (\$150,000/year)
7. PI - NSERC Undergraduate Student Research Award (May 2015–Sep 2015) (\$4,500)
6. PI - NSERC Undergraduate Student Research Award (May 2014–Sep 2014) (\$4,500)
5. PI - NSERC Discovery Grant, granted April 2011 for 5 years (\$24,000/year)
4. PI - Ivey/UWO Startup, granted July 2010 for one time (\$12,000)
3. Co-PI - UWO/Ministry of Research and Innovation Post-Doctoral Fellowship (Sep 2011–June 2012) (\$100,000)
2. PI - Ivey Research 2017- current (\$10,000/year)
1. PI - Ivey Research 2009–2017 (\$7,000/year)

## Teaching Materials (Cases, Teaching Notes and Technical Notes)

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28. The Offer: Compensation in Consulting W38323 (3 pages) (with TN W38324 9 pages) (July 24, 2024)
27. Decision-Making under Uncertainty: Probability and Simulation (Digital Learning Experience) W37382 (June 17, 2024)
26. Descriptive and Predictive Analytics: Regression (Digital Learning Experience) (W35313), Jan 2023
25. An Introduction to Decision Trees (Digital Learning Experience) (W33316), Feb 2023
24. Multivariate Datasets: Data Cleaning and Preparation, and Model Development with Python and Machine Learning (W31496), Feb 2023
23. A Technical Note on Data Preparation and Model Building with a Real Estate Dataset (W29250), October 2022
22. 407 ETR Highway Extension: Material Procurement (7B16E038 Student Spreadsheet and 8B16E038TN) May 2018
21. J.S. McMillan Fisheries Ltd. (**INFORMS 2002 Case Study Competition Finalist**)
20. Seoul National Bank: The Chief Credit Officers' Tough Decisions (9B11E013, 5 pages) (with TN, 8B11E013, 8 pages) (Nov 2011)
19. Introduction Building Blocks of Excel VBA and Real-time Macro Recording (9B11E019, 14 pages) (Aug 2011)
18. Siga Technologies: Profiting from Uncertainty (9B11E014, 8pages) (with TN, 8B11E014, 21 pages) (Nov 2011)
17. Deloitte Recommends Client Selection to Regency Bank (case, 9B11E005, 4 pages) (with TN, 8B11E005, 6 pages) (June 2011)
16. Simulation in Excel and VBA (9B11E031, 24 pages) (Oct 2011)
15. Solver in Excel and VBA (9B11E028, 31 pages) (Aug 2011)
14. Variables and Logical Statements and Logical Operators in Excel VBA (9B11E021, 15 pages) (Aug 2011)
13. Introduction to Graphical User Interface (GUI) and Debugging in Excel VBA (9B11E020, 16 pages) (Aug 2011)
12. Subs, Functions and Event Procedures in Excel VBA (9B11E027, 16 pages) (Aug 2011)
11. Loops and Arrays in Excel VBA (9B11E022, 16 pages) (Aug 2011)
10. A Few Excel and VBA Tips: Data Validation Tool, Offset and Vlookup, Dynamic Chart, Form Controls, Pivot Tables, VBA Help (note, 9B11E018, 14 pages) (June 2011)
9. How to Record a Macro in Excel (9B11E015, 15 pages) (June 2011)
8. How to Retrieve Data from Web to Excel (9B11E016, 13 pages) (June 2011)
7. Sinofert Holdings Limited: Urea Distribution Planning (9B13E027, 6 pages) (with TN, 8B13E027, 3 pages) (Sep 2014)
6. Hyrule Cinemas: Pricing Movies and Popcorn (9B14E012, 6 pages) (with TN, 8B14E012, 10 pages) (June 2014)
5. A Student's Dilemma: Rent or Buy? (9B14E013, 6 pages) (with TN, 8B14E013, 8 pages) (June 2014)

4. Mistral Energy: A Tale of Two Power Markets (9B14E011, 7 pages) (with TN, 8B14E011, 12 pages) (May 2014)
3. Analysis ToolPak in Excel and VBA (9B13E025, 22 pages) (Sep 2013)
2. Lakshmi Projects: Sales Structure Dilemma (9B15A019, 10 pages) (with TN, 8B15A019 (9 pages) (June 2015)
1. Food Truck Forecaster (9B16E033, 4 pages) (with TN, 8B16E033) (14 pages) (Nov 2016)

### Highly Qualified Personnel Training (Supervision)

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39. Supervisor, Mostafa Olyaie, postdoctoral fellow at Ivey, UWO (Nov 2023 - )
38. Supervisor, Andrew Klein, Graduate student, Ivey (2021 - 2024) (Current Position: Consultant, Deloitte)
37. Co-supervisor, Sonya Cao, Undergraduate student, Ivey (June 2023 – June 2024) (Current Position: Tech Implementation Consultant, Electric Mind.)
36. Co-supervisor, Yusuf Alli, PhD Student, Ivey (Sep 2023 - )
35. Co-supervisor, Roza Azizi, PhD Student, Ivey (Sep 2023 - )
34. Co-supervisor, Hasan Shorakaei, PhD Student, Ivey (Sep 2022 - )
33. Co-supervisor, Jafar Sadeghi, postdoctoral fellow at Ivey, UWO (Feb 2020 - Sep 2023 ) (Current position: Assistant Professor, Royal Military College of Canada)
32. Supervisor, Linke Bai, MSc student, Ivey (June 2021, Sep 2021) (Current Position: Analyst, Industry)
31. Supervisor, Cici Sun, MSc student, Ivey (June 2021, Sep 2021) ) (Current Position: Analytic Consultant, CIBC)
30. Supervisor, Viola Qiu, MSc student, Ivey (June 2021, Sep 2021) ) (Current Position: Business System Consultant, CIBC)
29. Supervisor, Abdul Zafar, HBA student (and CS at UWO), Ivey (June 2021-Sep 2021)
28. Co-supervisor, Ali Lotfi, PhD student, Ivey, UWO (Sep 2020 - )
27. Supervisor, Peter Akioyamen, UG student, UWO Data Science and Applied Math (Sep 2020 – April 2021) (Current Position: Senior Machine Learning Engineer, Bain)
26. Supervisor, Maddie Aaron, MSc student, Ivey (Sep 2020 – April 2021) (Current Position: Senior Data Scientist, Shopify)
25. Co-supervisor, Vince He, MSc student, Ivey, UWO (June 2020 - April 2021) (Current Position: Consultant, Deloitte)
24. Co-supervisor, Chenghao Jin, MSc student, Ivey, UWO (June 2020 - April 2021) (Current Position: Senior Data Scientist, Mercury)
23. Co-supervisor, Pengfei Huangfu, MSc student, Ivey, UWO (June 2020 - April 2021)
22. Supervisor, Jane Wang, undergraduate student, Ivey/Computer Science (June 2020 - April 2021) (Current Position: Product Manager, Datadog)
21. Supervisor, Frank Dong, undergraduate student, Ivey/Computer Science (Oct 2019-Sep 2020) (Current Position: Product Manager, YouTube)
20. Co-supervisor, Steven Habbous, PhD student, Epidemiology and Biostatistics, UWO (Sep 2015-Dec 2018) ) (Current Position: Team Lead/Methodologist, Cancer Care Ontario)
19. Co-supervisor, Gulnihal Ucarus, graduate student, Uludag University (May 2018-2022) (Current Position: Software Engineer, Matli)
18. Co-supervisor, Beray Bayazit, graduate student, Uludag University (May 2018-2022 ) Current Position: Software Engineer, Yorglass)
17. Co-supervisor, John Lyons, PhD student, Ivey Business School, UWO (Sep 2013–Sep 2019) Current Position: Lecturer/Consultant, John Lyons, Canaltiques)
16. Supervisor, Mehmet Fatih Aysan, visiting postdoc, Ivey School of Business, UWO (July 2013–Nov 2013) Current Position: Professor, Marmara University)
15. Co-supervisor, Bahman Naderi, postdoctoral fellow, Ivey School of Business, UWO (Jan 2018 – May 2019) (First Position: Assistant Professor, University of Windsor)
14. Co-supervisor, Vusal Babasov, graduate student, Epidemiology and Biostatistics, UWO (Aug 2010–Sep 2012) (First Position: PhD student, University of Ottawa)
13. Co-supervisor, Sakine Batun, postdoctoral fellow, Ivey School of Business, UWO (Sep 2011–June 2012) (Current Position: Faculty member at METU in Ankara, Turkey)
12. Supervisor, Bayezid Gulcan, visiting graduate student, Ivey School of Business, UWO (Oct 2011–Jan 2012)
11. Supervisor, Burcu Caglar, visiting graduate student, Ivey School of Business, UWO (Oct 2012–March 2013) (Current Position: Associate Professor, Uludag University, Turkey)
10. Co-supervisor, Onur Ozturk, postdoctoral fellow, Ivey School of Business, UWO (Sep 2012–Aug 2014) (Current Position: Associate Professor, University of Ottawa)

9. Co-supervisor, Jianbo Qian, postdoctoral fellow, Ivey School of Business, UWO (Sep 2012–March 2015) (Current Position: Analyst, Hedge Fund)
8. Co-supervisor, Sepehr Proon, postdoctoral fellow, Ivey School of Business, UWO (April 2014–October 2016) (First Position: Faculty member, University of Florida)
7. Co-supervisor, Vahid Roshanaei, PhD student, University of Toronto (Jan 2015–Aug 2018) (Current Position: Lecturer, University of Toronto)
6. Co-supervisor, Peijun Sang, PhD student, Simon Fraser University (Oct 2014–Aug 2018) (Current Position: Associate Professor, University of Waterloo)
5. Co-supervisor, Antoine Saure, postdoctoral fellow, University of British Columbia (Nov 2013–Jan 2017) (Current Position: Associate Professor, University of Ottawa)
4. Co-supervisor, Nolan Anderson, HBA Student, Ivey School of Business (May 2015–Sep 2015) (Current Position: Chief Technology Officer, Auxe)
3. Co-supervisor, Duncan Cai, HBA Student, Ivey School of Business (May 2014–Sep 2015) (Current Position: Software Engineer, Google)
2. Co-supervisor, Amir Rastpour, postdoctoral fellow, Ivey School of Business, UWO (Oct 2015–July 2017) (Current position: Associate Professor, University of Ontario Institute of Technology)
1. Co-supervisor, Pearl Kwan, MSc Student, Ivey Business School (March 2017 – June 2018) (Current Position: Business Development Manager, Sopra Steria)

### Highly Qualified Personnel Training (Service)

22. PhD Examination Chair, Sohrob Milani Zadeh, PhD student, Health and Rehabilitation Sciences, UWO (August 15, 2024)
21. Thesis Examiner, Xinghan Zhu, MSc in Statistics, UWO, August 24, 2023
20. PhD Examination Chair, Mauricio Torres Ferro, PhD student, Economics, UWO (July 2023)
19. Thesis Examiner, Luv Khandelwal, MSc in Management, Brock University May 25, 2023
18. Proposal Examiner/Advisory Committee Member, Ryan Miller, PhD in Business, UWO, November 9, 2022
17. Thesis Examiner, Quinten Carfagnini, master's in health sciences, Brock University June 13, 2022
16. Thesis Examiner, M. Erdem Coskun, PhD in Science and Engineering, McMaster University, April 26, 2022
15. Thesis Examiner, Yawo Kobara, PhD in Statistics, UWO, April 20, 2022
14. Thesis Examiner, Ali Unsal, master's in Epidemiology and Biostatistics, UWO, March 3, 2022
13. Thesis examiner, Azita Jafarbigloo master's in business (Telfer, University of Ottawa), June 6, 2021
12. Thesis examiner, Yisheng Li master's in business, Brock University May 7, 2021
11. Proposal examiner, Azita Jafarbigloo master's in business (Telfer, University of Ottawa), February 21, 2021
10. Thesis Examiner, Ahmad Teymouri, PhD in Business (Telfer, University of Ottawa), November 25, 2020
9. Thesis Examiner, Malek Hannouf, PhD student, Epidemiology and Biostatistics, UWO (Dec 2011, April 2014)
8. PhD Committee Member, Foad Hassanmirzaei, PhD student, Ivey School of Business, UWO (2012)
7. Thesis Examiner, Sidita Zhabjaku, MSc student, Statistical and Actuarial Sciences, UWO (Aug 2013)
6. Thesis Examiner, Rodney Tempo, MSc student, Statistical and Actuarial Sciences, UWO (Sep 2014)
5. Thesis External Examiner, Fatih Yegul, PhD student, Management Sciences, Waterloo (Oct 2014)
4. PhD Examination Chair, David Drudko, PhD student, Physics, UWO (March 2014)
3. Thesis examiner/supervisory committee, Kyle McLean, PhD student, Ivey School of Business, UWO (Jan 2015, June 2017)
2. Thesis External Examiner, Abdelhalim Hiassat, PhD student, Management Sciences, Waterloo (Aug 2017)
1. Thesis examiner, Salar Ghamat, PhD student, Ivey School of Business, UWO (Sep 2017)

### Teaching Experience

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#### Associate Professor, Ivey Business School, Western University, London ON (2017–current)

- Financial Analytics, MBA and HBA
- Art of Modelling, MSc, MMA
- Business Statistics, MSc
- Decision Making with Analytics, MBA, AMBA
- Preparatory Knowledge Program, Quantitative Analysis, MBA
- Quant Analysis Refresher, MBA Direct
- Applications of Stochastic Modelling, PhD
- Best Practices: Competing with Analytics, MSc
- Business Project, MSc



- Ivey Field Project, MMA

**Visiting Associate Professor, Ross School of Business, University of Michigan, Ann Arbor, MI (2018–current)**

**Assistant Professor, Ivey Business School, Western University, London ON, Canada (2009–2017)**

- Business 3316, Decision Making with Analytics, HBA
- Business 4517 (4467), End User Modeling (Spreadsheet Analytics and Programming with VBA), HBA
- Business 9458, Healthcare Analytics, MBA
- Preparatory Knowledge Program, Quantitative Analysis, MBA

**Lecturer, Sauder School of Business, University of British Columbia, Vancouver BC, Canada (2002–2009)**

- BAMS 580, Developing Decision Support Tools for Operations Research, graduate level (MM and MBA), designed and taught this course for the first time at the Sauder School of Business (2004, 2005 and 2006)
- BAMS 506, Optimization Models, graduate level (MM and MBA) (2002 and 2003)
- BAMS 507, Theory of Optimization, graduate level (MM and PhD) (2002 and 2004)
- BAMS 508, Discrete Optimization Models, graduate level (MM and MBA) (2003)
- Teaching assistant for Operating Supply Chains, Applied Business Statistics, Operations and Logistics, Optimization Models, Discrete Optimization Models (2004–2007)

## **Business Experience**

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**Centre for Operations Excellence (COE), University of British Columbia, Vancouver BC, Canada**

**Project Manager and Associate Director, Research (2002–2004)**

Project management (scope definition, proposals, methodology development, documentation, guidance of graduate and undergraduate students), preparation of case studies and papers, and served as a project manager in over 10 projects. Selected projects include:

- Security queuing analysis for the Vancouver international airport (recipient of the CORS 2003 Practice Prize, featured on TV, in the press and in the UBC Annual Report)
- Aggregate logistics planning and optimization for a large beverage firm (recipient of the Best Business Application Award at SCOPE 2002 (Student Conference on OR)); the company's distribution network is worth more than \$100 million (USD) and the savings are estimated at about 5% per year
- Quantifying, benchmarking and predicting operational risks for a shipping company; the partner company is a multi-billion-dollar shipping company with over 150 vessels
- Reducing wait times for CT scanners for Vancouver Coastal Health Authority
- Managing surgical waitlists for the Fraser Health Authority

Grant applications, business development, hiring, marketing and promotion of the COE program; organizing workshops and case study competitions; student recruitment and development of the new COE Master's program; supervision of technical analysts at the COE.

- Co-investigator of a grant for \$9000 from UBC to develop a customized production planning tool for fisheries to help the sustainability of commercial fish species
- Established academic alliances with operations research software companies and obtained complementary copies of commercial-size solvers for the COE
- INFORMS 2002 Case Study Competition Finalist for the case "J.S. McMillan Fisheries Ltd.: Optimizing Production Planning"

**Project Analyst (2000–2001)**

Developed a decision support tool for production planning for J.S. McMillan Fisheries Ltd. in Vancouver

- Best Graduate Student-presentation Award Canadian International Student Conference on OR in 2001

## **Internships and Others**

- Assessor for Postsecondary Education Quality Assessment Board (PEQAB) (2020)
- Istanbul Stock Exchange (IMKB), Istanbul, Turkey, Summer 2000
- Student assistant for an undergraduate statistics course, METU, Ankara, Turkey, Spring 2000
- Modeling and Simulation Lab (Modsim), METU, Ankara, Turkey, Spring 2000
- ASELSAN (Turkish Military Electronics Industry), Ankara, Turkey, Summer 1999
- TUMOSAN (Turkish Motor Industry), Konya, Turkey, Summer 1998
- Gesas General Food Industry, Konya, Turkey, 1995–1997 (Part-time)

## Selected Service

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### Editorial Work

Associate Editor for Healthcare Management Science

Ad-hoc reviewer for Operations Research, Management Science, Production and Operations Management (POM), Mathematics of Operations Research, Manufacturing & Service Operations Management, Computers and Operations Research, International Journal of Production Research, European Journal of Operational Research, IIE, Journal of Medical Systems, Medical Decision Making, Natural Sciences and Engineering Research Council of Canada, Health Care Management Science, Decision Sciences, Journal of the Operational Research Society, International Transactions in Operational Research, CORS Student Paper Competition.

### External

CORS Practice Prize Judge (June 2024)

CORS 2024 Healthcare Optimization Workshop (CHOW) organizer

Judge for INFORMS Pierskalla paper competition (2012, 2019, 2020, 2021, 2022, 2023, 2024)

Judge for POM CHOM Paper Competition (2016, 2017, 2021, 2022, 2023, 2024, 2025)

Judge for INFORMS Healthcare Applications Society Paper Competition (2013, 2015, 2017, 2019, 2021, 2023)

Grading Working Group: FOME (2021 - 2022)

CORS Undergraduate student paper competition judge (June 2020)

IFORS 2020 Stream Chair (Scheduling and capacity planning in healthcare).

CORS (Canadian Operational Research Society) Vice President/President/PastPresident (2017-18-19)

CORS 2019 (Organizer/Speaker at Analytics Day and Discussant for CHOW)

CORS Education Chair (May 2013 – July 2017)

Sponsored Sessions Chair for INFORMS Healthcare Conference (2015)

Cluster Chair (Healthcare OM), INFORMS Healthcare Conference (2013; organized over 10 sessions)

Program committee member for the Global Conference on Healthcare Systems Engineering (2014)

CORS graduate student paper competition chair (2012–2013)

### Internal

UWO College of Reviewers (for Grants) (2023 - )

Ivey Grant Reviewer (Mentors Program (2021, 2022, 2023, 2024)

UWO Engineering Council (Sep 2020 - )

SAS Curiosity Cup Faculty Advisor (2022)

IQAP PhD Program Faculty Participant (2022)

Speaker at Ivey Advisory Board Meeting (2022)

PhD workshop interviewer (2022)

Pre MSc-Case Teaching (2020, 2021, 2022)

Ivey MS Area Group Teaching Coordinator (2019- 2022)

Marketing Area Search Committee Member (2022)

Hack the Case Competition Judge (April 16, 2021)

Ivey MS Area Group Search Committee Chair (2019, 2021)

Ivey Strategy Steering Committee (2021 - 2022)

Judge for MBA Direct Show Case (August 25, 2021)

MSc Section Head (2021)

Ivey Faculty Advisory Committee Strategy (Jan 2020 – May 2021)

Ivey MS Area Group Digital Asset Coordinator (2020- 2021)

Ivey promotion and tenure committee member (2017 - 2020)

Ivey appointments committee member (2017-2018)

Ivey annual performance evaluation committee member (2017-2019, 2021)

Ivey retreat committee member (2017)

Faculty advisor, MSc Hack the case competition (2018)

Faculty advisor, MSc admissions (2017-2018)

HBA appeal committee (2016 – 2018)

Committee member for Vanier scholarship for Ivey (2017)

Judge for MBA case competition (2017)

Judge for AMBA case competition (2017)

Judge for MSc case competition (2017)

Faculty member for the team preparing pre-PKP online program (2015–2016)

Search committee member for management science (MS) (2011–2015)

Ivey research seminar series coordinator for IS, OPS and MS (2010–2012)

Research seminar series coordinator for MS (2010–2016)

Faculty lead for Industry Problem Solving Workshop at Western (2014)

Faculty advisor to Ivey HBA team, case competition, Spain (2014)  
 Faculty advisor to Ivey HBA team, case competition, New Zealand (2011)  
 Judge in Ivey high school case competition (2011)

### **Invited Seminars (since 2011)**

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15. Appointment, Advance and Combined Scheduling, Brock University, Nov 24, 2023
14. Appointment, Advance and Combined Scheduling, Bilkent University, July 26, 2023
13. Appointment, Advance and Combined Scheduling, Istanbul Technical University, July 11, 2023
12. Home Healthcare Scheduling: Applications and Challenges, University of Michigan- Center for Healthcare Engineering and Patient Safety (CHEPS), December 10, 2018.
11. Home Healthcare Scheduling: Applications and Challenges, University of Ottawa - Telfer School of Management, October 12, 2018.
10. Appointment and Advance Scheduling: Applications and Extensions, University College London - School of Management, August 7 2017.
9. Invited seminar, "Appointment Scheduling and Extensions," Ozyegin University, Istanbul, Turkey, April 2016
8. Invited seminar, "Appointment Scheduling and Applications," Middle East Technical University, Ankara, Turkey, April 2015
7. Invited seminar, University of Buffalo, Industrial Engineering, Oct 2011
6. Invited seminar, 2011 Eastern Health and Department of Health and Community Services NL, St John's, NL, Oct 2011
5. Invited seminar, Department of Health and Community Services NL, St John's, NL, Sep 2011
4. Invited seminar, Saskatchewan Healthcare Ministry, June 2011
3. Invited seminar, University of New York, invited talk at Stern School of Business, New York, NY, April 2011
2. Invited seminar, University of Waterloo, Department of Management Sciences, Waterloo, ON, Jan 2011
1. Invited seminar, UWO, Engineering, Jan 2011

### **Presentations at Conferences (since 2011)**

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60. M.T. Tongarlak, M.A. Begen, J. Wilson, "Beyond Spreadsheets: Embracing ChatGPT in Business Analytics Education", INFORMS, Seattle, WA, October 18, 2024
59. H. Shorakaei, H. Elahi, T. Bayley, M. A. Begen, H. Pun, "Channel Structure of Online Retail Platforms: Impact of Asymmetric Information and Capacity Constraints", EURO, Copenhagen, Denmark, July, 2024
58. John Wilson, V. Yagnik, M.A. Begen, "Optimisation for the Fantasy Football League", EURO, Copenhagen, Denmark, July, 2024
57. Anthony McCreery, Yusup Allyyev, Joe Naoum-Sawaya, Mehmet A. Begen, "Optimal Advertising Policy Under Bass Diffusion Model", CORS, London ON, June 3, 2024
56. Ali Lotfi, Mehmet A. Begen, Joe Naoum-Sawaya, "Giveaway Strategies for a New Technology Product", CORS, London ON, June 3, 2024
55. H. Shorakaei, H. Elahi, T. Bayley, M. A. Begen, H. Pun, "Channel Structure of Online Retail Platforms: Impact of Asymmetric Information and Capacity Constraints", CORS, London ON, June 3, 2024
54. Davtalab-Olyaie, Mehmet A. Begen, Masoud Asgharian, "On Incentivizing Units in Centrally Managed Systems", CORS, London ON, June 4, 2024
53. Greg Zaric, Felipe Rodrigues, Mehmet Begen, "Spreadsheet models for hospital planning", International Conference on Health Care Systems Engineering, Lisbon, Portugal, September 16, 2023
52. Felipe Rodrigues, Mehmet Begen, Greg Zaric, "A ward occupancy forecasting model as an integrated planning tool to increase patient transfers and elective surgeries", ORAHS, Graz Austria, July 18, 2023.
51. Felipe Rodrigues, Mehmet Begen, Greg Zaric, "A ward occupancy forecasting model as a tool to increase elective surgery loads in pandemic recovery settings", CORS, Montreal QC, June 29, 2023.
50. Jafar Sadeghi, Fredrik Odegaard, Mehmet A. Begen, "Efficiency Analysis of Multiple Groups of Decision-Making Units", CORS, Montreal QC, June 30, 2023.
49. Christos Zacharias, Nan Liu, Mehmet A. Begen, "Dynamic Inter-day and Intra-day Scheduling" INFORMS Annual Conference", Indianapolis, IN, October 18, 2022.
48. Christos Zacharias, Nan Liu, Mehmet A. Begen, "Dynamic Inter-day and Intra-day Scheduling" MSOM Annual Conference", Munich Germany, June 27-28, 2022.
47. Jafar Sadeghi, Fredrik Odegaard, Mehmet A. Begen, "Measuring Efficiency of Multiple Groups of Production Units", CORS/INFORMS, Vancouver, BC, June 7, 2022.

46. Mehmet A. Begen, Felipe Rodrigues, Greg Zaric, "A Forecasting Tool for a Hospital to Plan Inbound Transfer of Covid-19 Patients from Other Regions", CORS/INFORMS, Vancouver, BC, June 7, 2022.
45. Mehmet A. Begen, Fredrik Odegaard, Jafar Sadeghi, "Intra-provincial Benchmark Analysis of Covid-19 in Canada", CORS/INFORMS, Vancouver, BC, June 5, 2022.
44. Christos Zacharias, Nan Liu, Mehmet A. Begen, "Dynamic Inter-day and Intra-day Scheduling" POMS Annual Conference", virtual, April 21-25, 2022.
43. Onur Ozturk Mehmet A. Begen Gregory S. Zaric, "Impact of operational constraints on the implied value of life", GJCIE, Antalya Turkey, October, 2021.
42. Bahman Naderi, Mehmet A. Begen, Gregory Zaric, Vahid Roshanaei, "Multi-period pattern-based home health care planning and scheduling", Informis Annual Meeting, October 2021.
41. Jafar Sadeghi, Mehmet A. Begen, Fredrik Odegaard, "Ranking invariant efficiency measures of healthcare units", CORS Annual Meeting, June 7, 2021.
40. Ahmet Kandakoglu, Antoine Sauré, Mehmet A. Begen, Jonathan Patrick, "Combined advance and appointment scheduling for multi-priority, multi-class patients with stochastic service times", CORS Annual Meeting, June 8, 2021.
39. Bahman Naderi, Mehmet A. Begen, Gregory Zaric, Vahid Roshanaei, "Multi-period pattern-based home health care planning and scheduling: Models, decompositions, and a novel branching algorithm", CORS Annual Meeting, June 9, 2021.
38. Tiffany Bayley, Felipe Rodrigues, Steven Habbous, Mehmet A. Begen, David Barrett, "Updating the efficiency metrics for Ontario cancer treatment centres: A sequential DEA model", CORS Annual Meeting, June 10, 2021.
37. Bahman Naderi, Mehmet A. Begen, Gregory Zaric, Vahid Roshanaei, "Multi-period pattern-based home health care planning and scheduling", POMS Annual Meeting, May 3, 2021.
36. Onur Ozturk Mehmet A. Begen Gregory S. Zaric, "Home Health Care Services Management: Districting Problem Revisited", GJCIE, Antalya Turkey, August 14, 2020 (Virtual).
35. John Lyons, Mehmet A. Begen, Peter Bell, "Breaking the Post-anesthesia Bottleneck in Perioperative Care", INFORMS, Seattle, WA, Oct 20, 2019.
34. Beray Bayazit, Burcu Gencosman, Mehmet A. Begen, Gulnihal Ucarkus, "Raf Alani Tahsisi Ve Sergileme Problemi Cozumunde Genetik Algoritma (in Turkish)", YAEM, Ankara, Turkey, June 13, 2019.
33. John Lyons, Peter Bell, Mehmet A. Begen, "Coordinated OR Scheduling to Balance PACU Loads and Avoid Surgery Delays and Blocking", CORS, Saskatoon, SK, May 29, 2019.
32. Tiffany Bayley, Felipe Rodrigues, Steven Habbous, Mehmet A. Begen, Alexander Smith, David Barrett, "Efficiency Metrics for Ontario Cancer Treatment Centres", CORS, Saskatoon, SK, May 28, 2019.
31. Bahman Naderi, Mehmet A. Begen, Greg Zaric, "Multi-period home healthcare scheduling with flexible routing, multiple non-identical visits, arbitrarily precedence, and multi-caregivers", CORS, Halifax, NS, June 6, 2018.
30. John Lyons, Peter Bell and Mehmet A. Begen, "Applying OR/Analytics to skiing: Whistler-Blackcomb's mega day challenge", IFORS, Quebec City, QC, July 17 2017.
29. Jonathan Patrick, Antoine Sauré and Mehmet A. Begen, "Dynamic multi-priority, multi-class patient scheduling with stochastic service times," IFORS, Quebec City, QC, July 17 2017.
28. John Lyons, Peter Bell and Mehmet A. Begen, "Applying OR to the gamification of skiing at WhistlerBlackcomb", IFORS, Quebec City, QC, July 18 2017.
27. Mehmet A. Begen, "Learning lessons in managing student projects", IFORS, Quebec City, QC, July 20 2017.
26. Amir Rastpour, Mehmet A. Begen, Armann Ingolfsson and Greg Zaric, "Wait Times for Five Most Prevalent Cancer Types in Ontario," INFORMS Healthcare, Rotterdam, Netherlands, July 28 2017.
25. Brecht Cardoen, Mehmet A Begen, Carla Van Riet and Johannes De Smedt, "Finding Empirical Evidence for the Impact of Surgery Sequencing," INFORMS Healthcare, Rotterdam, Netherlands, July 28 2017.
24. Amir Rastpour, Mehmet A. Begen, Armann Ingolfsson and Greg Zaric, "Dynamic Programming for Ambulance Fleet Management," CORS, Banff AB, May 31 2016.
23. Peter Bell, Fredrik Odegaard and Mehmet A. Begen, "Teaching Undergraduate Analytics Using Cases," INFORMS, Philadelphia PA, Nov 2, 2015.
22. Sepehr Nemati, Mehmet A. Begen and Greg Zaric, "Companion Diagnostics Co-Development with Patent Expiry and Additional Effort on Quality," INFORMS, Philadelphia PA, Nov 4, 2015.
21. Mehmet A. Begen, Jonathan Patrick and Antoine Saure, "Combined Advance and Appointment Scheduling," INFORMS, Philadelphia PA, Nov 4, 2015.
20. Mehmet A. Begen, Jonathan Patrick and Antoine Saure, "Combined Advance and Appointment Scheduling," Patient-Centric HealthCare Management in the Age of Analytics Workshop for POM, Bloomington IN, Oct 9, 2015.

19. Mehmet A. Begen, Jonathan Patrick and Antoine Saure, "Combined Advance and Appointment Scheduling," INFORMS Healthcare, Nashville TN, July 29, 2015.
18. Mehmet A. Begen, Jonathan Patrick and Antoine Saure, "Combined Advance and Appointment Scheduling", CORS/INFORMS, Montreal QC, June 17, 2015.
17. Mehmet A. Begen, Hubert Pun and Xinghao Yan, "Hedge against Shortages: Supply and Demand Uncertainty Reduction and Comparison Analysis," San Francisco CA, Nov 2014.
16. Onur Ozturk, Mehmet A. Begen and Greg Zaric, "Design and Scheduling of Home Health Care Services," San Francisco CA, Nov 2014.
15. Mehmet A. Begen, Jonathan Patrick and Antoine Saure, "Combining the Advance and Appointment Scheduling Problems," San Francisco CA, Nov 2014.
14. Jianbo Qian, Mehmet A. Begen and Greg Zaric, "Co-development of Tests for New Drugs with Risk Averse and Risk Seeking Agents," INFORMS, San Francisco CA, Nov 2014.
13. Mehmet A. Begen, "Teaching Spreadsheet Analytics with VBA," EURO Rome, Italy, July 2013.
12. Mehmet A. Begen, "Teaching ORMS with Cases," IIE/YAEM, Istanbul, Turkey, June 2013.
11. Mehmet A. Begen, Hubert Pun and Shaun Yan, "Hedge Against Shortage: Improvement Analysis of Demand and Yield Rate Uncertainty," INFORMS Healthcare 2013, Chicago IL, June 2013.
10. Burcu Caglar, Mehmet A Begen and Cenk Ozmutlu, "Automotive Stamping Scheduling using Mixed Integer Programming and Constraint Programming," IIE/YAEM, Istanbul, Turkey, June 2013.
9. Mehmet A. Begen, Inge Aivas, Vusal Babashov, Michael Lock and Gregory S Zaric, "Reducing Wait Times and Improving Treatment Planning Process for Radiation Therapy," YAEM Conference on ORIE, Istanbul, Turkey, June 2012.
8. Mehmet A. Begen, Inge Aivas, Vusal Babashov, Michael Lock, Gregory S Zaric, "Reducing Wait Times and Improving Treatment Planning Process for Radiation Therapy", INFORMS Beijing, China, June 2012.
7. Mehmet A. Begen, "Teaching Spreadsheet Analytics with Excel VBA," invited, INFORMS, Charlotte NC, Nov 2011.
6. Vusal Babashov, Mehmet A. Begen, Joy Mangel and Greg Zaric, "Economic Evaluation of Brentuximab Vedotin in Relapsed and Refractory Hodgkin Lymphoma," poster and presentation, invited, INFORMS, Charlotte NC, Nov 2011.
5. Mehmet A. Begen and Beter Bell, "Workshop on teaching OR more analytically," invited, INFORMS, Charlotte NC, Nov 2011.
4. Mehmet A. Begen and Maurice Queyranne, "Appointment Scheduling with Discrete Random Durations and Applications," invited, IFORS, Melbourne VIC, Australia, July 2011.
3. Mehmet A. Begen and Beter Bell, "Using Cases in OR Courses," invited, IFORS, Melbourne VIC, Australia, July 2011.
2. Inge Aivas, Vusal Babashov, Mehmet A. Begen, Michael Lock and Greg Zaric, "Reducing Wait Times and Improving Treatment Planning Process for Radiation Therapy," invited, INFORMS Healthcare, Montreal QC, June 2011
1. Mehmet A. Begen, Beter Bell and Fredrik Odegaard, "Case based learning," invited, CORS, St. John's NL, June 2011