

Serasu Duran

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ACADEMIC EMPLOYMENT

University of Calgary, Haskayne School of Business

Assistant Professor, Operations and Supply Chain Management 2018-

EDUCATION

Northwestern University, Kellogg School of Management

Ph.D. in Operations Management 2018

M.S. in Operations Management 2017

Bilkent University

M.S. in Industrial Engineering 2012

B.S. in Industrial Engineering 2010

AREAS OF INTEREST

Energy-Related Operations and Policy, Sustainable Operations, Socially Responsible Operations, Electricity Markets

RESEARCH

Refereed Publications

1. Meta-analysis Data of 104 Renewable Mini-grid Projects for Rural Electrification, with F. G. Sahinyazan. 2021. *Data in Brief*, 34. <http://doi.org/10.1016/j.dib.2021.106739>
2. An Analysis of Renewable Mini-Grid Projects for Rural Electrification, with F. G. Sahinyazan. 2020. *Socio-Economic Planning Sciences*. <http://doi.org/10.1016/j.seps.2020.100999>
3. Robust Airline Scheduling with Controllable Cruise Times and Chance Constraints, with M. Selim Akturk and Sinan Gurel. 2015. *IIE Transactions*, 47(1). <https://doi.org/10.1080/0740817X.2014.916457>

Other Contributions

1. Dataset: Database of Renewable Mini-Grid Projects for Rural Electrification, with F. G. Sahinyazan. 2020. *Mendeley Data*, V2. <http://dx.doi.org/10.17632/s3wm2sgjib.2>
2. Media: Why Power Companies Love Smart Meters. Sep 8, 2015. *Kellogg Insight*. <https://insight.kellogg.northwestern.edu/article/why-power-companies-love-smart-meters>

Under Review / Working Papers

1. An Analysis of Time-Based Pricing in Electricity Supply Chains, with Baris Ata and Ozge Islegen. Under Review. *Manufacturing & Service Operations Management*.
2. Surge Pricing for On-Demand Service Platforms with Delays, with Osman Alp and Marco Bijvank.
3. The Dark Side of Solar Energy, with A. Atasu and L. Van Wassenhove.
4. The Future of Incentive-Based Demand Response, with Eric Webb.

Grants

1. University of Calgary. URCG Faculty Seed Grant (\$14,229, Principal Investigator). Promoting Community Involvement in Rural Renewable Energy Developments. 2021-2023.
2. SSHRC Partnership Engage Grant (\$24,950, Co-Investigator). Managing Customer Expectations in On-Demand Service Platforms. 2021-2022.
3. Haskayne School of Business. Dean's Research Grant (\$30,000, Principal Investigator). 2018-2022.

Dissertations

1. Ph.D. Dissertation. Essays on Demand Response in Electricity Supply Chains. Northwestern University, Illinois, USA. 2018.
2. M.S. Thesis. Robust Airline Scheduling with Controllable Cruise Times and Chance Constraints. Bilkent University, Ankara, Turkey. 2012.

TEACHING

Courses Taught

University of Calgary, Haskayne School of Business, 2018-
Operations Management (MBA)
Service Operations Management (Undergraduate)
Fundamentals of Operations and Supply Chain Management (Undergraduate)
Field Investigation in Operations and Supply Chain Management (Supervisor)

Student Supervision

1. Sina Taheria. Haskayne School of Business, PhD. Co-Supervisor.
2. Riley Taggart. Haskayne School of Business, DBA. Committee Member.
3. Parastoo Liaghat. Haskayne School of Business, PhD. Committee Member.
4. Nafiseh Tokhmehchi. University of Calgary, Mechanical and Manufacturing Engineering, MS. Thesis Examiner.
5. Selin Uryan. Bilkent University, BS. Summer Internship Advisor, 2020.

SERVICE

Reviewer

- Referee for *Manufacturing & Service Operations Management*, *Journal of Industrial Ecology*, *Socio-Economic Planning Sciences*, *The Energy Journal*.
- Reviewer for Mitacs Accelerate Program.

Conference Organization

- Organizing and Program Committee
MSOM Conference, 2020.
- Panel Organizer
DSI Annual Meeting, 2021.
- Session Chair
INFORMS Annual Meeting, 2016, 2017, 2019, 2021.
POMS Annual Conference, 2016, 2019.
POMS International Conference, 2017.

University

- MBA Committee Member. Haskayne School of Business, 2021-.
- Assurance of Learning Committee, Elected Member. Haskayne School of Business, 2020-2022.
- New Faculty Orientation Committee Member. Haskayne School of Business, 2020-2021.
- Academic Selection Committee Member.
Haskayne School of Business, OSCM Area, 2019. 2020.
University of Calgary, Economics, 2020.
University of Calgary, Mechanical and Manufacturing Engineering, 2019.

INVITED TALKS and CONFERENCE PRESENTATIONS

Invited or Refereed Conference Presentations

1. "The Dark-Side of Green Energy", with A. Atasu and L. Van Wassenhove, INFORMS Annual Meeting, 2021 (Upcoming).
2. "Renewable Mini-grids for Rural Electrification", with Feyza G. Sahinyazan, CORS Annual Conference, Virtual, 2021 (Upcoming).
3. "The Future Role of Incentive Based Demand Response Programs", with Eric Webb, INFORMS Annual Meeting, Virtual, 2020.
4. "Renewable Mini-grids for Rural Electrification: A Meta-analysis", with Feyza G. Sahinyazan, INFORMS Annual Meeting, Virtual, 2020.
5. "Demand Response Programs in Wholesale Electricity Markets", with Baris Ata and Ozge Islegen, INFORMS Annual Meeting, Seattle, WA 2019.
6. "Demand Response Programs in Wholesale Electricity Markets", with Baris Ata and Ozge Islegen, POMS Annual Conference, Washington, DC 2019.
7. "An Analysis of Time Based Pricing Strategies in Retail Electricity Markets", with Baris Ata and Ozge Islegen, INFORMS Annual Meeting, Phoenix, AZ 2018.
8. "An Analysis of Demand Response Programs in the Wholesale Electricity Market", with Baris Ata and Ozge Islegen, INFORMS Annual Meeting, Houston, TX 2017.
9. "Time Based Pricing in Retail Electricity Markets", with Baris Ata and Ozge Islegen, INFORMS Annual Meeting, Houston, TX 2017.
10. "Time Based Pricing in Electricity Supply Chains", with Baris Ata and Ozge Islegen, POMS International, Tel-Aviv, Israel 2017.
11. "Time Based Pricing in Electricity Supply Chains", with Baris Ata and Ozge Islegen, MSOM Conference, Chapel Hill, NC 2017.
12. "Demand Response in Electricity Supply Chains", with Baris Ata and Ozge Islegen, Early-career Sustainable OM Conference, Charlottesville, VA 2017.

Invited Talks

1. Haskayne School of Business, OSCM Area Brown Bag Research Seminars, 2019.
2. Bilkent University, Industrial Engineering Area Seminar, 2017.
3. University of Chicago, Operations Lunch Seminar, 2016.

PERSONAL

Canadian PR.

Updated May 2021.

Professional Membership: INFORMS, POMS, CORS, M&SOM Society.
Languages: Turkish (Native), English (Professional)