

Gözdem Dural-Selçuk, Ph.D.

Assistant Professor

Atılım University

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EDUCATION

2010-2015	Hacettepe University, Department of Business Administration/Quantitative Methods, Ph.D.
2007-2010	Bilkent University, Faculty of Business Administration, MBA
1988-1994	Middle East Technical University, Department of Industrial Engineering, B.S.

ACADEMIC POSITIONS

Feb 2019 – Present	Assistant Professor, Department of Industrial Engineering Atılım University, Turkey
Jan 2015- Jan 2019	Research/Teaching Assistant, Institute of Population Studies / Department of Policy and Strategy Studies Hacettepe University, Turkey
Jan 2016- Jan 2017	Research Associate, School of Management / Department of Information, Decisions and Operations (IDO) / Bath Centre for Healthcare Innovation & Improvement (CHI2) University of Bath, United Kingdom
Jan 2011-Jan 2015	Research / Teaching Assistant, Department of Business Administration Middle East Technical University, Turkey

INDUSTRIAL POSITIONS

May 2010-June 2010	Merchandiser, Phillip Morris SA, Trade Marketing Department
July 2007-April 2010	Project Evaluation and Analysis Engineer, ASELSAN Inc, Land and Missile Programs

ADMINISTRATIVE DUTIES

July 2019 - Present	MUDEK coordinator, Department of Industrial Engineering, Atılım University, Turkey
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HONORS&AWARDS

4	Honor scholarship by Bilkent University for MBA education, 2007-2010
3	Middle East Technical University Honor's List, 2003-2007
2	DAAD Summer School Scholarship in Germany, 2005
1	1st rank among TED Zonguldak College 2002 graduates

RESEARCH INTERESTS

1	Operations Research applied in Healthcare Services
2	Simulation

3	System Dynamics Modelling
4	Stochastic Dynamic Programming

PUBLICATIONS

4	Dural-Selcuk, G. , Tunc, H., & Tarim, S. A. (2019). An integrated economy-demography model reframed in a system dynamics setting. <i>System Dynamics Review</i> , 35(4), 337-368. https://doi.org/10.1002/sdr.1645
3	Dural-Selcuk, G. , Rossi, R., Kilic, O. A., & Tarim, S. A. (2019). The Benefit of Receding Horizon Control: Near-Optimal Policies for Stochastic Inventory Control. <i>Omega</i> . https://doi.org/10.1016/j.omega.2019.07.007
2	Dural-Selcuk, G. & Cimen, M. (2013). Optimal Lot Sizing with NPV Approach for Inventory Systems with Constant Demand. <i>IFAC Proceedings Volumes</i> , 46(9), 1997-2002. https://doi.org/10.3182/20130619-3-RU-3018.00308
1	Dural-Selcuk, G. , Vasilakis, C. "Evaluating the sustainability of complex health system transformation in the context of population ageing: a system dynamics approach" (Under Review – <i>Journal of Operational Research Society</i>)

PROJECTS

4	Project Manager LAP Project funded by Atılım University Social Innovation in Public Sector: A case study for E-Nabız application
3	Analyst in Residence (AiR) In collaboration with Yeovil District Hospital NHS Foundation Trust and University of Bath, School of Management/ Bath Centre for Healthcare Innovation & Improvement (CHI2) Jan 2016-Jan 2017
2	Researcher Turkey National Burden of Disease Study, in collaboration with Hacettepe University Institute of Population Studies, Ministry of Health, McKinsey & Company and University of Washington / Institute for Health Metrics and Evaluation (IHME) Aug 2015-Oct 2015 / March 2013-Aug 2013
1	Researcher Optimal (s, S) Inventory Policy under Markov Modulated Non-Stationary Demand: A Computational Approach. Scientific and Technological Research Council of Turkey #110M500 May 2011-May2014

CONFERENCE PRESENTATIONS

6	Dural-Selcuk, G. "Evaluation of the Use of Virtual Clinics for the Management of Chronic Conditions: A Simulation Case Study for Glaucoma" e-ORAHs 2020 (forthcoming)
5	Dural-Selcuk, G. , Vasilakis, C. "Evaluating the sustainability of complex health system transformation in the context of population ageing: a system dynamics approach" 38. Yöneyem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM), Eskişehir, Türkiye, 26-29 Haziran 2018

4	Dural-Selcuk, G. , Vasilakis, C. "Evaluating the sustainability of complex health system transformation in the context of population ageing: a system dynamics approach" 43 th annual meeting of the EURO Working Group on Conference of Operational Research Applied to Health Services, ORAHS2017. Bath, UK, 30 July-4 August 2017
3	Dural-Selcuk, G. , Vasilakis, C. "Supporting the implementation and evaluation of health system transformation with operational research" 42 th annual meeting of the EURO Working Group on Conference of Operational Research Applied to Health Services, ORAHS2016. Pamplona, Spain, 24-29 July 2016
2	Dural-Selcuk, G. , Kilic, O.A., Tarim, S.A. and Rossi, R. " <i>A comparison of lot-sizing methods for non-stationary stochastic demands</i> " 27 th European Conference on Operational Research. Glasgow, Scotland, 12-15 July 2015
1	Dural-Selcuk, G. , & Cimen, M. (2013). Optimal Lot Sizing with NPV Approach for Inventory Systems with Constant Demand. IFAC Conference on Manufacturing, Modelling, Management and Control. St.Petersburg, Russia, 19-21 June 2013

WORKSHOPS AND CERTIFICATES

7	Workshop on Improving healthcare operations through modelling and simulation supported by British Council Newton Fund grant. University of Bath, UK, 28-30 July 2017
6	Global Burden of Disease Technical Training Workshop, Rhodes, Greece, 7-17 May 2013
5	Analyzing Project Management Indicators, Carnegie Mellon SEI, Pittsburgh, USA, 30 October 2008
4	Project Management Principles and Contract Management, PMI, Ankara, 8-11 September 2008,
3	Measurement and Analysis Workshop, Carnegie Mellon SEI, Ankara, 28-30 November 2007
2	ZMP (Zentralen Mittelstufen Prüfung), Mannheim, Germany, 2005
1	ZD (Zertifikat Deutsch), Bonn, Germany, 2003

COURSES TAUGHT

1	IE403 Simulation
2	IE326 Quality Control and Assurance (Undergrad.)
3	IE202 Probability and Statistics II (Undergrad.)
4	IE220 Probability and Statistics for Engineers (Undergrad.)
5	IE103 Introduction to Industrial Engineering