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EDUCATION

Northeastern University, USA August, 2003
Ph.D. in Industrial Engineering
Dissertation: Some Multivariate Optimization and Frontier Estimation Problems

Northeastern University, USA June, 2001
M.S. in Industrial Engineering
Thesis: Consolidation of the Warehousing System of a North America Based Company

Yıldız Technical University, Turkey June, 1999
B.S. in Mathematical Engineering

ACADEMIC APPOINTMENTS

Title	Institution	Department	Year
Associate Professor	IŞIK University	Industrial Engineering	2012 -
Assistant Professor	IŞIK University	Industrial Engineering	2008 - 2012
Instructor	IŞIK University	Industrial Engineering	2004 - 2008
Research Assistant	Northeastern University	Industrial Engineering	1999 - 2003

ADMINISTRATIVE EXPERIENCE

- Department Head (Acting), 2013- ongoing
IŞIK University, Department of Industrial Engineering
- Accreditation Coordinator, 2014- ongoing
IŞIK University, Department of Industrial Engineering
(*IE program fully accredited by ENAEE and MUDEK in May 2016*)
- Faculty Board Member, 2013- ongoing
IŞIK University, College of Engineering
- Institute Board Member, 2012-2016
IŞIK University, Graduate School of Science and Engineering
- Erasmus Exchange Coordinator, 2007-2010
IŞIK University, Department of Industrial Engineering

JOURNAL PUBLICATIONS

1. Unluakin, D. O., Türkali, B., Karacaorenli, A., Aksezer, Ç. (2019). A DBN Based Reactive Maintenance Model for a Complex System in Thermal Power Plants. *Reliability Engineering and System Safety*. (doi.org:10.1016/j.ress.2019.106505)
2. Hekimoğlu, M., Sevim, I., Aksezer, Ç., & Durmuş, İ. (2019). Assortment optimization with log-linear demand: Application at a Turkish grocery store. *Journal of Retailing and Consumer Services*, 50, 199-214. (doi:10.1016/j.jretconser.2019.04.007)
3. Yılmaz, M., Aksezer, Ç., & Atan, T. (2018). Dynamic frontier estimation for monitoring team performances: A case on Turkish first division football league. *Team Performance Management: An International Journal*. (doi:10.1108/TPM-11-2017-0076)
4. Aksezer, Ç. S. (2016). A nonparametric approach for optimal reliability allocation in health services. *International Journal of Quality & Reliability Management*, 33(2), 284-294. (doi:10.1108/IJQRM-11-2014-0174)
5. Aksezer, C. S., & Benneyan, J. C. (2013). Multiresponse optimisation of powder metals via probabilistic loss functions. *European Journal of Industrial Engineering*, 7(3), 295-311. (doi:10.1504/EJIE.2013.054130)
6. Aksezer, C. S. (2011). Failure analysis and warranty modeling of used cars. *Engineering Failure Analysis*, 18(6), 1520-1526. (doi:10.1016/j.engfailanal.2011.05.009)
7. Aksezer, C. S. (2010). Reliability evaluation of healthcare services by assessing the technical efficiency. *The Service Industries Journal*, 31(14), 2309-2319. (doi:10.1080/02642069.2010.503881)
8. Aksezer, C. S., & Benneyan, J. C. (2010). Assessing the efficiency of hospitals operating under a unique owner: a DEA application in the presence of missing data. *International Journal of Services and Operations Management*, 7(1), 53-75. (doi:10.1504/IJSOM.2010.033143)
9. Aksezer, C. S. (2008). On the sensitivity of desirability functions for multiresponse optimization. *Journal of Industrial & Management Optimization*, 4(4), 685-696. (doi: 10.3934/jimo.2008.4.685)

CONFERENCE PUBLICATIONS and PRESENTATIONS

1. Özgür-Ünlüakın, D., Türkali, B., & Aksezer, Ç. "Analysis of Different Cost-Based Methods for the Corrective Maintenance of a Multi-Component System", *3rd IEOM European Conference on Industrial Engineering and Operations Management*, July 23-26, 2019, Pilsen, Czech Republic.
2. Özgür-Ünlüakın, D., Kıvanç, İ., Türkali, B., & Aksezer, Ç. "A DBN Based Prognosis Model for a Complex Dynamic System: A Case Study in a Thermal Power Plant", *ISPR - International Symposium for Production Research*, 2018, August 28-31, pp. 75-84.
3. Özgür-Ünlüakın, D., Kıvanç, İ., Türkali, B., & Aksezer, Ç. "A Case Study on the Maintenance Modeling of Complex Systems by Dynamic Bayesian Networks", *38th National Operations Research and Industrial Engineering Congress*, 2018, June 26-29, Eskişehir, Turkey.

4. Yılmaz, M., Aksezer, S.Ç. ve Atan, S.T. “Efficiency Assessment of Turkish Soccer Clubs by using Data Envelopment Analysis”, *37th National Operations Research and Industrial Engineering Congress*, 2017, July 5-7, İstanbul, Turkey.
5. Paşalı, B. and Aksezer, S.Ç. “A Combined Algorithm for Placement of Rectangular Vehicles in a Non-Rectangular Ferry”, *3rd World Conference on Innovation and Computer Sciences*, 2013, April 26-29, Antalya, Turkey.
6. Köksel, A. and Aksezer, S.Ç. “Statistical Implications of Kano Model”, *12th International Symposium on Econometrics, Statistics, and Operations Research*, 2011, May 26-29, Pamukkale, Turkey, pp. 42-48.
7. Özönar, G and Aksezer, S.Ç. “Evaluation of Perceived Quality in Automobile Industry by Utilizing Theory of Attractive Quality”, *30th National Operations Research and Industrial Engineering Congress*, 2010, June 30 – July 2, İstanbul, Turkey. (Abstract Only)
8. Özer, İ., Ersin F. and Aksezer, S.Ç. “Reducing the Slitting Waste in Steel Pipe Production from Six Sigma Perspective”, *27th National Operations Research and Industrial Engineering Congress*, 2007, July 2-4, İzmir, Turkey, pp. 377.
9. Aksezer, C.S. and Benneyan, J.C. “Probability Distributions and Variances of Quadratic Loss Functions”, *Proceedings of the 36th International Conference on Computers and Industrial Engineering*, 2006, June 20-23, Taipei, Taiwan, pp. 2890–2899.
10. Benneyan, J.C., Sunnetci, A. and Aksezer, C.S. “Identifying healthcare’s Toyotas: Production frontiers, hospital quality indices, and modeling issues”, *Proceedings of the 36th International Conference on Computers and Industrial Engineering*, 2006, June 20–23, Taipei, Taiwan, pp. 3596.
11. Aksezer, S.Ç. and Anlı, O.M. “Multiresponse Optimization of Printed Circuit Boards”, *26th National Operations Research and Industrial Engineering Congress*, 2006, July 3-5, Kocaeli, Turkey, pp. 115-118.

M.S. THESES SUPERVISED

1. Çağrı Akoğlu, “Improvement of Credit Evaluation Process in Commercial Banking” IŞIK University, 2018.
2. Melike Yılmaz, “Prediction of Final Football League Standings by Dynamic Frontier Estimation” IŞIK University, 2017.
3. İpek Durmuş, “An Assortment Planning Problem with an Empirical Demand Model”, IŞIK University, 2017.
4. Büşra Paşalı, “A Combined Algorithm for Placement of Rectangular Vehicles in a Ferry”, IŞIK University, 2013.
5. Ayhan Köksel, “Statistical and Modeling Implications of Kano's Theory of Attractive Quality”, IŞIK University, 2012.

PROJECT EXPERIENCE

- TÜBİTAK 1001 (117M587, 2017-2019) Development of Probabilistic Graphical Models in the Maintenance Optimization of Multi-Component Systems and Their Solutions, Researcher

- BAP, Işık University (2007-2009) Efficiency Analysis and Resource Optimization in Local Transit Lines, PI

TEACHING EXPERIENCE

- Engineering Orientation
- Probability
- Engineering Statistics
- Production and Service Operations Planning
- Quality Planning and Control
- Work Study and Ergonomics
- Reliability Analysis
- Applied Statistics
- Design for Quality and Productivity
- Service Systems Management
- Risk Management and Decision Analysis
- Design Project

RESEARCH INTERESTS

- Design and control for quality
- Service systems optimization
- Process and product reliability
- Health and safety engineering

REFEREE ACTIVITIES

- Service Industries Journal
- International Journal of Technology Management
- Journal of Engineering Design
- International Journal of Production Research
- Journal of Global Optimization
- Journal of Risk Research
- Engineering Failure Analysis
- International Journal of Engineering Management and Economics
- IEEE Access

SCIENTIFIC and PROFESSIONAL AFFILIATIONS

- American Society for Quality (ASQ)
- The Institute for Operations Research and the Management Sciences (INFORMS)
- Professional Association of Diving Instructors (PADI)