

CURRICULUM VITAE

Name Surname: Busenur Türkali Özbek

Birth Date: 07. 05.1994

Birth Place: İzmir

Title: Research Assistant



Education

Degree	Department/Program	Institution	Year
Undergraduate	Information Technologies / Management Information Systems	FMV Işık University	2017
M.S.	Industrial Engineering	FMV Işık University	2020
Ph.D.	Industrial Engineering	Yıldız Technical University	2020-

M.S Thesis

Title: Evaluation of alternative maintenance strategies on a complex system in thermal power systems

Supervisor: Dr.Öğr.Üyesi Demet Özgür Ünlüakın

Academic Experience:

Experience	Institution	Year
Research and Teaching Assistant	FMV Işık University – Industrial Engineering	2020-
Scholarship Student	FMV Işık University – Industrial Engineering	2018-2020
TÜBİTAK Scholarship Student	FMV Işık University – Industrial Engineering	2017-2020

COURSES ASSISTED

Academic Year	Course Name	Instructor
2018-2020	Operations Research 1	Assoc. Prof. Dr. Kemal Sarıca
2021 Fall	System Simulation	Asst. Prof. Dr. Seda Baş Güre
2022 Spring	Operations Research 1	Asst. Prof. Dr. İsmail Kayahan
2022 Summer	Operations Research 2	Asst. Prof. Dr. İsmail Kayahan
2022 Fall	System Simulation	Asst. Prof. Dr. Seda Baş Güre
2023 Spring	Operations Research 2	Asst. Prof. Dr. İsmail Kayahan

PUBLICATIONS

Publications in refereed international journals (SCI / SCIE)

Özgür-Ünlüakın, D., & Türkali, B. (2021). Evaluation of proactive maintenance policies on a stochastically dependent hidden multi-component system using DBNs. *Reliability Engineering & System Safety*, 211, 107559.

Özgür-Ünlüakın, D., Türkali, B., & Aksezer, S. Ç. (2021). Cost-effective fault diagnosis of a multicomponent dynamic system under corrective maintenance. *Applied Soft Computing*, 102, 107092.

Özgür-Ünlüakın, D., Türkali, B., Karacaörenli, A., & Aksezer, S. Ç. (2019). A DBN based reactive maintenance model for a complex system in thermal power plants. *Reliability Engineering & System Safety*, 190, 106505.

International conference publications (in Proceedings)

Demet Özgür-Ünlüakın & Busenur Türkali (2019, September). Karmaşık Sistemlerin Bakım Kararlarında Olasılıklı Grafiksel Modellerin Kullanımı. IXth International Maintenance Technologies Congress and Exhibition, Pamukkale University, Denizli, Turkey.

Özgür-Ünlüakın, D., Kıvanç, İ., Türkali, B., & Aksezer, Ç. (2018, August). A DBN Based Prognosis Model for a Complex Dynamic System: A Case Study in a Thermal Power Plant. In the International Symposium for Production Research, Vienna, Austria, pp. 75-84, Springer, Cham.

Conference presentations with abstracts published in international conferences

Demet Özgür-Ünlüakın, Busenur Türkali, & Ayşe Karacaörenli (2019). Comparison Of Various Policies under Different Maintenance Strategies on a Multi-component System. International Conference on Structural Safety and Reliability, August 15-16, 2019, Barcelona, Spain.

Demet Özgür-Ünlüakın, Busenur Türkali, & Çağlar Aksezer (2019). Analyzing the Performance of Different Cost-Based Methods for the Corrective Maintenance of a System in Thermal Power Plants. International Conference on Structural Safety and Reliability, August 15-16, 2019, Barcelona, Spain.

Conference presentations with abstracts published in national conferences

Demet Özgür-Ünlüakın, İpek Kıvanç, Busenur Türkali & S. Çağlar Aksezer (2018). Karmaşık Sistemlerin Dinamik Bayesçi Ağlar ile Bakım Modellemesi: Bir Vaka Çalışması. Operations Research and Industrial Engineering Conference (YA/EM 2018), Eskişehir, June 2018

PROJECTS

TÜBİTAK 1001, "Development of Probabilistic Graphical Models in the Maintenance Optimization of Multi-Component Systems and Their Solutions", Scholarship Student, (October 2017 – February 2020)