

## Asst. Prof. ELİF CESUR

### Personal Information

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### Education Information

Doctorate, Universitaet Dortmund, Lehrstuhl Für Fabrikorganisation, Endüstri Mühendisliđi, Germany 2011 - 2015

Postgraduate, Fatih Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Endüstri Mühendisliđi, Turkey 2009 - 2011

Undergraduate Double Major, İstanbul Kültür Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Bilgisayar Mühendisliđi, Turkey 2005 - 2008

Undergraduate, İstanbul Kültür Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Endüstri Mühendisliđi, Turkey 2004 - 2008

### Foreign Languages

English, C1 Advanced

German, B2 Upper Intermediate

### Dissertations

Doctorate, Development of an Agent Based Modelling and Simulation Tool for Anticipatory Change Planning for Cellular Transport Systems, Universitaet Dortmund, Lehrstuhl Für Fabrikorganisation , Endüstri Mühendisliđi , 2015

Postgraduate, Design and analysis of order accumulation and sortation systems (OASS), Fatih University, Institute Of Science, 2011

### Research Areas

Industrial Engineering , Simulation, Production Planning and Control, Supply Chain and Logistics Management, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Industrial Engineering , 2016 - Continues

Lecturer PhD, İstanbul Medipol Üniversitesi, Sbmyo, Lojistik Bölümü, 2015 - 2017

Research Assistant, Universitaet Dortmund, Lehrstuhl Für Fabrikorganisation, Endüstri Mühendisliđi, 2011 - 2015

### Courses

ÜRETİM PLANLAMA VE KONTROL II, Undergraduate, 2021 - 2022

Envanter Yönetimi, Undergraduate, 2020 - 2021  
Operations Management, Undergraduate, 2020 - 2021  
Üretim ve Envanter Yönetimi, Postgraduate, 2020 - 2021  
Sezgisel Programlama, Undergraduate, 2021 - 2022  
ÜRETİM PLANLAMA VE KONTROL I , Undergraduate, 2020 - 2021  
Veri Madenciliği, Undergraduate, 2020 - 2021  
Mühendislik Ekonomisi, Undergraduate, 2020 - 2021  
Doğrusal Programlama, Postgraduate, 2018 - 2019  
Mühendislik Yönetiminin Temelleri , Postgraduate, 2018 - 2019  
Endüstri Mühendisliğine Giriş, Undergraduate, 2018 - 2019  
Engineering Economy, Undergraduate, 2017 - 2018

## Advising Theses

Cesur E., Ulaşım sistemlerinde etmen tabanlı simülasyon geliştirilmesi ve bir lojistik firmasında vaka çalışması  
Development of A agent based simulation in transportation systems and A case study in A logistics company,  
Postgraduate, U.KESKİN(Student), 2020  
Cesur E., Türkiye elektrik piyasalarında doğal gaz kombine çevrim santrali ticari bazlı üretim optimizasyonu Combined  
cycle power plant dispatch optimization on commercial basis at Turkish power markets, Postgraduate,  
H.HÜSEYİN(Student), 2019  
Cesur E., Müşteri yorumları üzerinde metin analitiği çalışmaları ve yorumların makine öğrenmesi algoritmaları ile  
modellenmesi, Postgraduate, M.İŞİK(Student), 2019  
Cesur E., Tesis düzenleme algoritmalarının performans karşılaştırılması: hava kargo vaka çalışması, Postgraduate,  
D.AKGEYİK(Student), 2018

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Optimal number of remanufacturing in a circular economy platform**  
Cesur E., CESUR M. R. , Kayikci Y., Mangla S. K.  
INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS, 2020 (Journal Indexed in SSCI)
- II. **Simulation-based performance evaluation of the cellular transport system**  
Gueller M., KARAKAYA E., Uygun Y., Hegmanns T.  
JOURNAL OF SIMULATION, vol.12, no.3, pp.225-237, 2018 (Journal Indexed in SCI)
- III. **Towards an autonomous human chromosome classification system using Competitive Support Vector Machines Teams (CSVMT)**  
Kusakci A. O. , Ayvaz B., Karakaya E.  
Expert Systems with Applications, vol.86, pp.224-234, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Retailer layout design: A novel hybrid approach with association rules mining and MCRAFT**  
Kusakci A. O. , Cesur E.  
International Journal of Industrial and Systems Engineering, vol.35, no.4, pp.389-409, 2020 (Refereed Journals of Other Institutions)
- II. **Product Identification System Design Based on Deep Learning**  
Cesur M. R. , Cesur E., Cedimoğlu İ. H. , Torkul O., Okuyan A.  
International Journal of Scientific and Technological Research , vol.4, no.10, pp.522-527, 2018 (Journal Indexed in ESCI)

- III. **Scenario-based Cycle Time Comparison of Cellular Transport Systems with Conventional Warehouse Systems**  
Cesur E., Tozan H., Karataş M., Bartolacci M. R.  
Global Journal of Researches in Engineering: G Industrial Engineering, vol.17, no.2, pp.1-8, 2017 (Journal Indexed in ESCI)
- IV. **Development Of An Agent Based Simulation For The Cellular Transport System And Scenario Based Performance Analysis**  
Cesur E., Uygun Y., Güller M., Kuhn A.  
International Journal of Electrical, Electronics and Data Communication (IJEEDC), vol.4, no.1, pp.17-20, 2016 (Journal Indexed in ESCI)
- V. **Is The Letter of Credit Losing Its Significance? A New Payment Method in International Trade- BPO Bank Payment Obligation**  
Özkan Ö., Bayram O., Karakaya G., Cesur E.  
International Journal of Arts and Commerce, vol.3, no.7, pp.50-58, 2014 (Journal Indexed in ESCI)

## **Books & Book Chapters**

- I. **Air Cargo Facility Layout Planning and Meta-Heuristic Solution Approach**  
Cesur E., Eldemir F.  
in: Industrial Engineering in the Big Data Era, Fethi Calisir, Emre Cevikcan, Hatice Camgoz Akdag, Editor, Springer-Verlag, Zug, pp.149-161, 2019
- II. **Derin Öğrenme Uygulaması: Derin Öğrenme Tabanlı Kalite Kontrol Uygulama Tasarımı**  
Torkul O., Cesur M. R., Cesur E.  
in: Mühendislikte Yapay Zeka ve Uygulamaları 2, Sevinç Gülseçen, Alpaslan Fırlı, Orhan Torkul, İhsan Hakan Selvi, Gültekin Çağlı, Muhammed Kürşad Uçar, Editor, Sakarya Üniversitesi Yayınları, Sakarya, pp.151-164, 2018
- III. **Developing a Risk Management Framework and Risk Assessment for Non-profit Organizations: A Case Study**  
KARAKAYA E.  
in: Risk Management, Strategic Thinking and Leadership in the Financial Services Industry, Hasan Dincer, Umit Hacioglu, Editor, Springer-Verlag, Cham, pp.297-311, 2017
- IV. **Performance Availability Analysis of Autonomous Intralogistic Systems: An Agent-based Simulation Approach**  
Güller M., Cesur E., Hegmanns T.  
in: Simulation in Production and Logistics 2015, Markus Rabe, Uwe Clausen, Editor, Fraunhofer Verlag, Stuttgart, pp.207-218, 2015
- V. **Multi-Agent Simulation for Concept of Cellular Transport System in Intralogistics**  
Güller M., Uygun Y., Cesur E.  
in: Advances in Sustainable and Competitive Manufacturing Systems, Américo Azevedo, Editor, Springer-Verlag, Zug, pp.233-244, 2013

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Text Analyze Studies Based on Customer Comments and Modeling of the Comments with Machine Learning Algorithms**  
Cesur E., Işık M.  
10th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.747-756
- II. **Combined Cycle Power Plant Dispatch Optimization at Turkish Power Markets**  
Cesur E., Uslu H. H.

10th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.757-766

- III. **A Study on Utilization of Chi-square Analysis in Text Analytics Studies**  
Cesur E., Işık M.  
International Conference On Recent Advances in Pure and Applied Mathematics, İstanbul, Turkey, 12 - 15 June 2019, pp.1
- IV. **Implementation of Physical Internet-Based Intelligent Intralogistics Systems: An Agent-Based Simulation Study**  
Karakaya E., Kayıkcı Y., Öztürk F.  
International Symposium for Production Research, Vienna, Austria, 13 - 15 September 2017, pp.379-392
- V. **Development of an Optimal Route Selection Model Using Fuzzy Logic in Multimodal Freight Transport Network**  
Cesur E., Kayıkcı Y.  
22nd International Symposium on Logistics (ISL 2017), Ljubljana, Slovenia, 9 - 12 July 2017, pp.738-745
- VI. **Development of the Basic Principles for Industry 4.0 and an Autonomous Vehicle Application in the Context of Cellular Transport System**  
Cesur E.  
The Symposium on Production Research with International Participation, İstanbul, Turkey, 12 - 14 October 2016, pp.713-717
- VII. **Analytical Approach for Comparison of Cellular Transport System with Conventional Intralogistics System**  
Cesur E., Eldemir F., Hegmanns T., Kuhn A.  
34th Industrial Engineering and Operation Research, Bursa, Turkey, 25 - 27 June 2014, pp.156
- VIII. **An Evaluation and Selection of Agent Based Simulation Software Packages: A Comparative Study**  
Cesur E., Hegmanns T., Kuhn A.  
34th Industrial Engineering and Operation Research, Bursa, Turkey, 25 - 27 June 2014, pp.161
- IX. **Integrated Design of Order Picking and Sortation Systems**  
Eldemir F., Cesur E., Kızılaslan R.  
INFORMS, Arizona, United States Of America, 14 - 17 October 2012, pp.1-10
- X. **Performance of Earliest Completion Strategy in Order Sortation Systems**  
Eldemir F., Cesur E.  
24th European Modeling and Simulation Symposium, Vienna, Austria, 19 - 21 September 2012, pp.189-197

## Supported Projects

Cesur E., Cesur M. R., Cedimoğlu İ. H., Technopark, Lokomotiflerde Dijital Dönüşüm, 2019 - 2020

Cesur E., Bolat B., Edalı M., Project Supported by Other Private Institutions, Türk Hava Yolları Yeni Kargo Terminali Kapasite Analiz Projesi, 2018 - 2018

Kuhn A., TÜBİTAK International Bilateral Joint Cooperation Program Project, Leistungsverfügbarkeit - Logistics on Demand (PAK672: H02403/8-1), 2011 - 2016

## Memberships / Tasks in Scientific Organizations

Bilim ve İleri Teknoloji Uygulama ve Araştırma Merkezi (BİLTAM), Member, 2019 - Continues, Turkey

## Citations

Total Citations (WOS):12

h-index (WOS):3

## **Scholarships**

Doktora Bursu, Other International Organizations, 2011 - 2015

## **Awards**

Cesur E., En iyi Makale Ödülü / Hücresel Taşıma Sistemleri için Etmen Tabanlı Simülasyon Geliştirme ve Senaryo Performans Analizleri, Uluslararası Bilim, Teknoloji, Mühendislik Ve Yönetim Akademisi (Iastem), February 2016

## **Non Academic Experience**

Business Establishment Private, Akkim Yapı Kimyasalları A.Ş., Planlama