

Asst. Prof. Mehmet Onur OLGUN

Personal Information

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri, Endüstri Mühendisliği, Turkey 2011 - 2017

Postgraduate, Suleyman Demirel University, Fen Bilimleri, Endüstri, Turkey 2008 - 2011

Undergraduate, Gazi University, Mühendislik Mimarlık, Endüstri Mühendisliği, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İŞBİRLİKÇİ GRİ STOK OYUNLARI, Suleyman Demirel University, Fen Bilimleri, Endüstri Mühendisliği, 2017

Postgraduate, KALİTE KONTROL GRAFİKLERİNDE ÖRÜNTÜ TANIMA, Suleyman Demirel University, Fen Bilimleri , Endüstri Mühendisliği, 2011

Research Areas

Industrial Engineering , Stochastic Modeling, Optimization Theory and Methods, Quality and Reliability, Quality Control, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Suleyman Demirel University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2018 - Continues

Assistant Professor, Suleyman Demirel University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2017 - 2018

Research Assistant, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2008 - 2017

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

- I. **Collaborative airline revenue sharing game with grey demand data**
OLGUN M. O.
CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, 2021 (Journal Indexed in SCI)
- II. **SMOTE-NC and gradient boosting imputation based random forest classifier for predicting severity level of covid-19 patients with blood samples**
Gok E. C. , OLGUN M. O.
NEURAL COMPUTING & APPLICATIONS, 2021 (Journal Indexed in SCI)
- III. **A new cooperative depot sharing approach for inventory routing problem**

Olgun M. O. , Aydemir E.

ANNALS OF OPERATIONS RESEARCH, 2021 (Journal Indexed in SCI)

- IV. **Transportation interval situations and related games**
PALANCI O., GOK S. Z. A. , OLGUN M. O. , Weber G. -.
OR SPECTRUM, vol.38, no.1, pp.119-136, 2016 (Journal Indexed in SCI)
- V. **Cooperative grey games and an application on economic order quantity model**
OLGUN M. O. , GOK S. Z. A. , ÖZDEMİR G.
KYBERNETES, vol.45, no.5, pp.828-838, 2016 (Journal Indexed in SCI)
- VI. **Forecasting of Turkey natural gas demand using a hybrid algorithm**
ÖZDEMİR G., AYDEMİR E., OLGUN M. O. , MULBAY Z.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.11, no.4, pp.295-302, 2016 (Journal Indexed in SCI)
- VII. **Cooperative interval games: Mountain situations with interval data**
GOK S. Z. A. , PALANCI O., OLGUN M. O.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.259, pp.622-632, 2014 (Journal Indexed in SCI)
- VIII. **Forecasting of Turkey's natural gas demand using artificial neural networks and support vector machines**
OLGUN M. O. , ÖZDEMİR G., AYDEMİR E.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.30, no.1, pp.15-20, 2012 (Journal Indexed in SCI)
- IX. **CONTROL CHART PATTERN RECOGNITION USING STATISTICAL-FEATURE BASED BAYES CLASSIFIER**
OLGUN M. O. , ÖZDEMİR G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.303-311, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ON THE GREY BAKER-THOMPSON RULE**
OLGUN M. O. , PALANCI O., Gok S. Z. A.
JOURNAL OF DYNAMICS AND GAMES, vol.7, no.4, pp.303-315, 2020 (Journal Indexed in ESCI)
- II. **SHAİNİN DENEY TASARIMI İLE İPLİK MUKAVEMETLERİ ÜZERİNDE ÇIKTI DEĞİŞKENLİĞİNİN AZALTILMASI**
OLGUN M. O. , Suat Ç.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.3, pp.619-626, 2019 (Refereed Journals of Other Institutions)
- III. **Cooperative Grey Games: Grey Solutions and Optimization Algorithm**
PALANCI O., OLGUN M. O. , Ergun S., ALPARSLAN GÖK S. Z. , WEBER G. -.
International Journal of Supply and Operations Management, vol.4, no.3, pp.202-215, 2017 (Refereed Journals of Other Institutions)
- IV. **GRİ STOK MODELİNİN İŞBİRLİKÇİ OYUN TEORİSİ İLE MALİYET DAĞITIMLARININ İNCELENMESİ**
OLGUN M. O. , ÖZDEMİR G., ALPARSLAN GÖK S. Z.
Uludağ University Journal of The Faculty of Engineering, vol.22, no.2, pp.23-34, 2017 (Refereed Journals of Other Institutions)
- V. **Cooperative Grey Games: Grey Solutions and an Optimization Algorithm**
PALANCI O., OLGUN M. O. , ERGÜN S., ALPARSLAN GÖK S. Z. , WEBER G. W.
International Journal of Supply and Operations Management (IJSOM), 2017 (Refereed Journals of Other Institutions)
- VI. **Gri stok modelinin işbirlikçi oyun teorisi ile maliyet dağıtımlarının İncelenmesi**
OLGUN M. O. , ÖZDEMİR G., ALPARSLAN GÖK S. Z.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2017 (Other Refereed National Journals)
- VII. **İşbirlikçi Stok Oyunları**

OLGUN M. O. , ÖZDEMİR G.

Journal of Engineering Science and Design, vol.3, no.1, pp.71-75, 2015 (Other Refereed National Journals)

VIII. **Determination Of Improvement Priorities In Education With Importance Satisfaction Analysis And Taguchi Method A Case Study**

OLGUN M. O. , ÖZDEMİR G.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.19, no.2, pp.81-87, 2013 (Refereed Journals of Other Institutions)

IX. **Önem Memnuniyet Analizi ve Taguchi Metodu İle Eğitimde İyileştirme Önceliklerinin Belirlenmesi Bir Uygulama Örneği**

OLGUN M. O. , ÖZDEMİR G.

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.19, no.2, pp.81-87, 2013 (Other Refereed National Journals)

X. **An Application of Single and Double Acceptance Sampling Plans for a Manufacturing System**

AYDEMİR E., OLGUN M. O.

Journal of Engineering Science and Design, vol.1, no.2, pp.65-71, 2010 (Other Refereed National Journals)

Books & Book Chapters

I. **An optimization-based algorithm Finding the Grey Core Element of Cooperative Grey Games**

OLGUN M. O. , ALPARSLAN GÖK S. Z.

in: Societal Complexity, Data Mining and Gaming State-of-the-Art 2017, Dorien DeTombe, Gerhard-Wilhelm Weber and Semih Kuter, Editor, Amsterdam Europe: Greenhill Waterfront, pp.69-73, 2017

II. **An Optimization-based Algorithm Finding the Grey Core element of Cooperative Grey Games**

OLGUN M. O. , ALPARSLAN GÖK S. Z.

in: Societal Complexity, Data Mining and Gaming State-of-the-Art, Dorien DeTombe, Gerhard Wilhelm Weber and Semih Kuter (, Editor, Greenhill Waterfront, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **A new Cooperative Inventory Routing Game Model using Depot Sharing Approach**

OLGUN M. O. , AYDEMİR E.

10th International Symposium on Intelligent Manufacturing and Service Systems, 9 - 11 September 2019, pp.1041-1048

II. **Cooperative game theory based network selection scheme for heterogeneous wireless access network**

Ulviye S., OLGUN M. O.

0th International Symposium on Intelligent Manufacturing and Service Systems, 9 - 11 September 2019

III. **İşbirlikçi Oyun Teorisi ile Envanter Rotalama Problemleri İçin Bir Dağıtım Planı Oluşturma Yaklaşımı**

OLGUN M. O. , AYDEMİR E.

Yöneylem Araştırması ve Endüstri Mühendisliği 39. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.87

IV. **Cooperative Inventory Routing Games: A Practical Solution Approach**

OLGUN M. O. , AYDEMİR E.

International Conference on Artificial Intelligence and Applied Mathematics in Engineering, Antalya, Turkey, 20 - 22 April 2019, pp.112

V. **Grey Transportation Games**

OLGUN M. O. , PALANCI O., QASIM E., WEBER G. W. , ALPARSLAN GÖK S. Z.

ORM 2018 IX Moscow International Conference On Operations Research, 22 - 27 October 2018

VI. **Grey Baker Thompson Rule**

PALANCI O., OLGUN M. O. , WEBER G. W. , ALPARSLAN GÖK S. Z.

- ORM 2018 IX Moscow International Conference On Operations Research, 22 - 27 October 2018
- VII. **Gri Stok Modelinin İşbirlikçi Oyun Teorisi ile Maliyet Dağıtımlarının İncelenmesi**
OLGUN M. O. , ÖZDEMİR G.
8th International Symposium on Econometrics, Operations Research and Statistics, 5 - 07 October 2017
- VIII. **Gri Stok Modelinin İşbirlikçi Oyun Teorisi ile Maliyet Dağıtımlarının İncelenmesi**
OLGUN M. O. , ÖZDEMİR G.
18th International Symposium on Econometrics, Operations Research and Statistics, 5 - 07 October 2017
- IX. **Cooperative Grey Inventory Games**
OLGUN M. O. , ÖZDEMİR G., ALPARSLAN GÖK S. Z. , TEKİN H. O.
European Meeting on Game Theory, 6 - 08 July 2015
- X. **Bulanık Süreç Yeterlilik Analizi ve Bir Uygulama**
KIRAÇ Ö., ÖZDEMİR G., OLGUN M. O. , AYDEMİR E.
Yöneylem Araştırması ve Endüstri Mühendisliği 32. Ulusal Kongresi, İstanbul, Turkey, 20 - 22 June 2012, pp.263
- XI. **Forecasting of Natural Gas Demand Of Turkey by Using Support Vector Machines**
OLGUN M. O. , ÖZDEMİR G., AYDEMİR E.
2nd World Conference on Information Technology (WCIT-2011), Antalya, Turkey, 23 - 27 November 2011, pp.77
- XII. **Türkiye Doğalgaz Tüketim Düzeyinin Melez Sezgisel Algoritmalar İle Tahmini**
ÖZDEMİR G., AYDEMİR E., OLGUN M. O.
Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010, pp.440
- XIII. **Bulanık İstatistiksel Kalite Kontrolü ve Otomotiv Sektöründe Bir Uygulama**
ÖZDEMİR G., AYDEMİR E., OLGUN M. O.
Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010, pp.423
- XIV. **An Application Of Single And Double Acceptance Sampling Plans For A Manufacturing System**
AYDEMİR E., OLGUN M. O.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucous and Turkic Republics, Isparta, Turkey, 22 - 24 October 2009, pp.165-171
- XV. **Statistical Quality Control Techniques In An Automotive Industry: A Case Study**
OLGUN M. O. , AYDEMİR E.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucous and Turkic Republics, Isparta, Turkey, 22 - 24 October 2009, pp.152-158

Citations

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