Prof. ERTAN GÜNER

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 1987 - 1994
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Yl) (Tezli), Turkey 1983 - 1986
Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1979 - 1983

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Technology Management/Management of Technology, Advanced Industrial Technology, Japon Hükümetinin Uluslararası İşbirliği Programı çerçevesinde, Japon Uluslararası İşbirliği Ajansı (JICA, 1995

Dissertations

Doctorate, Tek Makinalı Sistemler içinÇok Ölçütlü Çizelgeleme Algoritmaları, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 1994
Postgraduate, Bekleme Hattı Sistemlerinin Analizi ve Bir Uygulama, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Yl) (Tezli), 1986

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2007 - Continues
Associate Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2000 - 2007
Assistant Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1997 - 2000

Lecturer, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1994 - 1997
Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 1985 - 1994

Academic and Administrative Experience

Gazi University, Mühendislik Fakültesi, 2004 - 2008

Courses

Üretim Planlaması ve Stok Kontrol, Undergraduate, 2022 - 2023
Çizelgeleme, Undergraduate, 2022 - 2023
MODERN ÜRETİM SİSTEMLERİNDE ÖZEL KONULAR, Undergraduate, 2021 - 2022
Üretim Sistemleri Analizi ve Yönetimi, Undergraduate, 2021 - 2022

Advising Theses

Güner E., YALIN ÜRETİM VE ÖZEL KISITLI BEKLEMESİZ AKIŞ TİPİ ÇİZELGELEME: SAVUNMA SANAYİNDE BİR UYGULAMA, Postgraduate, H.VURĞUN(Student), 2023
Güner E., A CUSTOMER CHOICE BEHAVIOR MODEL FOR AIRLINE REVENUE MANAGEMENT PROBLEMS WITH ANCILLARY PRODUCTS, Doctorate, M.BUYRUK(Student), 2022
Güner E., ANALYSIS OF THE PREFERENCE OF COVID-19 IN STATISTICAL REGIONS OF TURKEY BY MACHINE LEARNING METHODS, Postgraduate, H.Nur(Student), 2022
GÜNER E., Obtaınıng Data Mınıng Assocıatıon Rules From Use Of Consumables, Analysıs And Classıfıcatıon Of These Rules, Postgraduate, H.TONTUŞ(Student), 2020
GÜNER E., Çapraz sevkiyat düzeni kapı atama ve araç çizelgeleme problemi: Bir uygulama çalışması, Postgraduate, T.KARABULUT(Student), 2019
GÜNER E., Havayolu çizelgeleme problemlerinde yeni bir sağlam çizelgeleme yaklaşımı: Sağlam uçak rotalama, Doctorate, A.AKINCILAR(Student), 2018
GÜNER E., Improving Material Handling And Production Line Feeding In Make To Order Production: A Lean Manufacturing Application, Postgraduate, F.İPEK(Student), 2015
GÜNER E., Solution Approaches For Flexible Job Shop Scheduling Problem: An Application In The Defense Industry, Postgraduate, E.SİRKECİ(Student), 2015
GÜNER E., Pick-up products from suppliers by milkrun method at a automotive factory, Postgraduate, S.SALİH(Student), 2012
GÜNER E., Multı product reverse logıstıcs network desıgn problem: Mathematıcal model and sımulated annealıng based approach, Doctorate, K.ALAYKIRAN(Student), 2011
GÜNER E., DERS ÇİZELGELEME PROBLEMİNİN 0-1 TAMSAYILI PROGRAMLAMA TABANLI UYGULAMASI, Postgraduate, G.ÖZYANDI(Student), 2010
GÜNER E., DATA MINING APPLICATION FOR PERSONNEL SELECTION AND PERFORMANCE EVALUATION IN BANKING SECTOR, Postgraduate, H.BİLEN(Student), 2009
GÜNER E., PARALLEL MACHINE EARLINESS/TARDINESS SCHEDULING PROBLEM WITH SETUP TIMES UNDER THE EFFECTS OF LEARNING AND DETERIORATION, Doctorate, M.TOKSARI(Student), 2008
GÜNER E., THE ANALYSIS OF TS EN ISO IEC 17025 STANDARD WITH QUALITY FUNCTION DEPLOYMENT AND MULTICRITERIA DECISION MAKING TECHNIQUES, Postgraduate, E.OLCAY(Student), 2007
GÜNER E., EXAMINATION STAFF SCHEDULING MODEL, Postgraduate, A.ÇORUHLU(Student), 2007
GÜNER E., Kısıtlandırılmış teslim tarihli ve sıraya-bağımlı hazırlık süreli tek makine çizelgeleme problemlerinde erkenlik ve geçlik toplamının en küçüklenmesi, Postgraduate, M.HANIM(Student), 2007
GÜNER E., Tam zamanlı karmaşık ürünlü montaj hattında çok amaçlı sıralama problemi ve bir uygulama, Postgraduate,

S.HAKAN(Student), 2006
GÜNER E., Esnek zaman pencereli araç rotalama problemi ve bir uygulama, Postgraduate, E.AYDEMİR(Student), 2006
GÜNER E., Tam zamanında üretim sisteminde bileşke parti büyüklüğü modeli, Postgraduate, O.BULUT(Student), 2006
GÜNER E., Çok ölçütlü akış tipi çizelgeleme problemleri için çözüm yaklaşımları, Doctorate, T.EREN(Student), 2004
GÜNER E., Otomatik yönlendirmeli araç (OYA) sistemleri ve depo bakımında rotalama problemi, Postgraduate, F.YİĞİT(Student), 2002
GÜNER E., Tedarik zincirinde elektronik veri değişimi ve Türk Silahlı Kuvvetlerinde kullanılan malzeme koordinasyon sistemi (MKS) uygulaması, Postgraduate, H.YENER(Student), 2002
GÜNER E., Tam zamanında üretim sisteminde tedarikçi ilişkileri, Postgraduate, M.ENGİN(Student), 2002
GÜNER E., Lojistik dağıtım sisteminde yer alan ulaştırma hizmetinde karşılaşılan problemler ve bir model incelemesi, Postgraduate, F.IŞIK(Student), 2001
GÜNER E., Üç parmaklı sma robot elin üretimi ve uygulama analizi, Postgraduate, S.DİLİBAL(Student), 1999
GÜNER E., Bir döküm fabrikasında malzeme ihtiyaç planlama çalışması ve parti büyüklüğünün belirlenmesi, Postgraduate, H.PAŞAOĞLU(Student), 1999

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, January, 2021
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, January, 2021
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, September, 2020
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, September, 2020
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, July, 2020
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, March, 2019
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, March, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A MATHEMATICAL MODEL FOR MULTI-PRODUCT RECYCLING NETWORK DESIGN**
Alaykiran K., GÜNER E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.1, pp.151-159, 2013 (SCI-Expanded)

II. **Reply to note on The common due-date early/tardy scheduling problem on a parallel machine under the effects of time-dependent learning and linear and nonlinear deterioration**
TOKSARI M. D., GÜNER E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.39, no.7, pp.6657-6658, 2012 (SCI-Expanded)

III. **Joint reply to the erratum and the note on "Single machine scheduling problems under the effects of nonlinear deterioration and time-dependent learning" [Math. Comput. Modelling 50 (2009) 401-406]**
TOKSARI M. D., Oron D., GÜNER E.
MATHEMATICAL AND COMPUTER MODELLING, vol.54, pp.849-851, 2011 (SCI-Expanded)

IV. **Parallel machine scheduling problem to minimize the earliness/tardiness costs with learning effect and deteriorating jobs**
TOKSARI M. D., GÜNER E.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.21, no.6, pp.843-851, 2010 (SCI-Expanded)

V. **SOME SCHEDULING PROBLEMS WITH PAST SEQUENCE DEPENDENT SETUP TIMES UNDER THE EFFECTS OF NONLINEAR DETERIORATION AND TIME-DEPENDENT LEARNING**
TOKSARI M. D., Oron D., GÜNER E.
RAIRO-OPERATIONS RESEARCH, vol.44, no.2, pp.107-118, 2010 (SCI-Expanded)

VI. **Assembly line balancing problem with deterioration tasks and learning effect**

TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.2, pp.1223-1228, 2010 (SCI-Expanded)

VII. **The common due-date early/tardy scheduling problem on a parallel machine under the effects of time-dependent learning and linear and nonlinear deterioration**
TOKSARI M. D., GÜNER E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.1, pp.92-112, 2010 (SCI-Expanded)

VIII. **Simple assembly line balancing problem under the combinations of the effects of learning and deterioration**
TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
ASSEMBLY AUTOMATION, vol.30, no.3, pp.268-275, 2010 (SCI-Expanded)

IX. **Scheduling problems with the nonlinear effects of learning and deterioration**
TOKSARI M. D., GÜNER E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.45, pp.801-807, 2009 (SCI-Expanded)

X. **Parallel machine earliness/tardiness scheduling problem under the effects of position based learning and linear/nonlinear deterioration**
TOKSARI M. D., GÜNER E.
COMPUTERS & OPERATIONS RESEARCH, vol.36, no.8, pp.2394-2417, 2009 (SCI-Expanded)

XI. **Single machine scheduling problems under the effects of nonlinear deterioration and time-dependent learning**
Toksari M. D., Oron D., GÜNER E.
MATHEMATICAL AND COMPUTER MODELLING, vol.50, pp.401-406, 2009 (SCI-Expanded)

XII. **Analyzing the behaviors of virtual cells (VCs) and traditional manufacturing systems: Ant colony optimization (ACO)-based metamodels**
KESEN S. E., TOKSARI M. D., Guengoer Z., GÜNER E.
COMPUTERS & OPERATIONS RESEARCH, vol.36, no.7, pp.2275-2285, 2009 (SCI-Expanded)

XIII. **A bicriteria parallel machine scheduling with a learning effect**
EREN T., GÜNER E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.40, pp.1202-1205, 2009 (SCI-Expanded)

XIV. **Simple and U-type assembly line balancing problems with a learning effect**
TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
APPLIED MATHEMATICAL MODELLING, vol.32, no.12, pp.2954-2961, 2008 (SCI-Expanded)

XV. **Minimizing the earliness/tardiness costs on parallel machine with learning effects and deteriorating jobs: a mixed nonlinear integer programming approach**
TOKSARI M. D., GÜNER E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.38, pp.801-808, 2008 (SCI-Expanded)

XVI. **A bicriteria flowshop scheduling with a learning effect**
EREN T., GÜNER E.
APPLIED MATHEMATICAL MODELLING, vol.32, no.9, pp.1719-1733, 2008 (SCI-Expanded)

XVII. **The tricriteria flowshop scheduling problem**
EREN T., GÜNER E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.36, pp.1210-1220, 2008 (SCI-Expanded)

XVIII. **A bicriteria scheduling problem with a learning effect: Total completion time and total tardiness**
EREN T., GÜNER E.
INFOR, vol.45, no.2, pp.75-81, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **A Systematic Literature Review and An Integrated Framework of the Flowshop Scheduling Problem**
H., GÜNER E.
Verimlilik Dergisi, vol.57, no.3, pp.577-594, 2023 (Peer-Reviewed Journal)

II. **Personalization in airline revenue management: an overview and future outlook**
Buyruk M., GÜNER E.
JOURNAL OF REVENUE AND PRICING MANAGEMENT, vol.21, no.2, pp.129-139, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **YALIN ÜRETİM VE BEKLEMESİZ ORANTILI PARTİ BÖLMELİ PERMÜTASYON AKIŞ ATÖLYESİ ÇİZELGELEME ENTEGRASYONU: SAVUNMA SANAYİNDE BİR UYGULAMA**
Güner E., Vurğun Koç H.
4. International Antalya Scientific Research and Innovative Studies Congress, Antalya, Turkey, 9 - 10 May 2023, pp.1117-1132

II. **Machine Learning Prediction Models of COVID-19 Prevalence in Turkey...**
Güner E., Canpolat H. N.
2021 1st International Conference On Informatics and Computer Science (ICI-CS2021), Ankara, Turkey, 9 - 11 December 2021, pp.8-14

III. **A Dynamic Programming Model Incorporating Fare and Ancillary Products with Customer Choice Behavior in Single-Leg Revenue Management**
Güner E., Buyruk M.
16th International Conference on Management Science and Engineering Management (2022 ICMSEM, Ankara, Turkey, 4 - 05 August 2022, vol.144, pp.240-253

IV. **Overall airline revenue model with customer choice behavior for a single flight leg**
Güner E., Buyruk M.
The 22nd Conference of the International Federation of Operational Research Societies (IFORS 2021), , Seoul, South Korea, 23 August 2021 - 27 September 2022, pp.35

V. **Personalization in airline revenue management: An overview and future research prospects.**
Güner E., Buyruk M.
12th International NCM Conference: New Challenges in Industrial Engineering and Operations Management, Ankara, Turkey, 11 - 12 September 2018, pp.108

VI. **SINGLE MACHINE SCHEDULING PROBLEMS AGAINST DUE DATE WITH THE PAST-SEQUENCE-DEPENDENT SETUP TIMES UNDER LEARNING AND DETERIORATION EFFECTS**
GÜNER E., Toksari M. D.
38th International Conference on Computers and Industrial Engineering, Beijing, China, 31 October - 02 November 2008, pp.1923-1930

Supported Projects

GÜNER E., Project Supported by Higher Education Institutions, SINAV PERSONEL ÇİZELGELEME MODELİ VE UYGULAMASI, 2010 - 2011
GÜNER E., Project Supported by Higher Education Institutions, PERSONEL SEÇİMİ VE PERFORMANS DEĞERLENDİRMESİNDE VERİ MADENCİLİĞİ YAKLAŞIMI, 2009 - 2011
GÜNER E., Project Supported by Higher Education Institutions, Tersine Lojistik Sistemlerinin Modellenmesi, 2008 - 2011
GÜNER E., Project Supported by Higher Education Institutions, Tam Zamanında Üretim Ortamında Teslim Tarihinden Sapmaların En Küçüklenmesi İçin İş Çizelgelemesi, 2007 - 2009

Metrics

Publication: 26
Citation (WoS): 428
Citation (Scopus): 478
H-Index (WoS): 12
H-Index (Scopus): 12

Non Academic Experience

Japon Hükümetinin Uluslararası İşbirliği Programı
Ulaştırma Bakanlığı Telsiz İşleri Genel Müdürlüğü