

## Assoc. Prof. CEM İYİGÜN

### Personal Information

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### Education Information

Doctorate, Rutgers, The State University Of New Jersey, Rutgers Center For Operations Research, United States Of America 1999 - 2007

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, Turkey 1995 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Probabilistic Distance Clustering , Rutgers, The State University Of New Jersey, Rutgers Center For Operations Research, 2007

### Research Areas

Industrial Engineering

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2015 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2009 - 2015

Research Assistant, Rutgers, The State University Of New Jersey, New Brunswick Campus, Graduate School , Rutgers Center For Operations Research, 1999 - 2002

### Professional Experience

Head of Department, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Operational Research, 2017 - 2020

Deputy Head of Department, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2017 - 2020

## Courses

Systems and Organization, Post Graduate, 2019 - 2020

## Advising Theses

- İyigün C., Durahim A. O. , SPAM DETECTION BY USING NETWORK AND TEXT EMBEDDING APPROACHES, Post Graduate, C.MERVE(Student), 2019
- İyigün C., Mixed integer programming and heuristics approaches for clustering with cluster-based feature selection, Post Graduate, S.ÖNEN(Student), 2019
- İYİGÜN C., A Unified Approach for Center-Based Clustering Problems on Networks, Post Graduate, D.İPEK(Student), 2019
- ÖZDEMİREL N. E. , İYİGÜN C., Optimization Approaches for Classification and Feature Selection Using Overlapping Hyperboxes, Doctorate, D.AKBULUT(Student), 2019
- ÖZDEMİREL N. E. , İYİGÜN C., Neighborhood construction-based multi-objective evolutionary clustering algorithm with feature selection, Post Graduate, C.ALAKUŞ(Student), 2018
- İYİGÜN C., Feature weighting problem in K-nearest neighbor classifier, Post Graduate, N.GÜLEÇ(Student), 2017
- İYİGÜN C., Time series classification using deep learning, Post Graduate, P.UMUT(Student), 2016
- İYİGÜN C., A statistical approach to job matching problem via difference metrics and data mining, Doctorate, A.FATİH(Student), 2016
- İYİGÜN C., BAYINDIR Z. P. , Sağlık kuruluđu konumlandırma problemi için bir genetik algoritma, Post Graduate, M.İŞBİLİR(Student), 2016
- İYİGÜN C., BAYINDIR Z. P. , Locating ems vehicles in general networks with an approximate queueing model and a metaheuristic solution approach, Post Graduate, M.ALTAN(Student), 2015
- İYİGÜN C., DURAN S., The valuation of government guarantees provided for municipalities, Post Graduate, M.ESAT(Student), 2015
- SÜRAL H., İYİGÜN C., City logistics system design under cost uncertainty, Post Graduate, U.CAN(Student), 2015
- İYİGÜN C., Investigation of the impacts of linkage disequilibrium on SNP selection studies, Post Graduate, E.KANTAR(Student), 2015
- İYİGÜN C., Early warning on stock market bubbles via ellipsoidal clustering and inverse problems, Doctorate, E.KÜRÜM(Student), 2014
- İYİGÜN C., A two stage stochastic and risk averse approach to inventory positioning in floricultural auction network, Post Graduate, G.SEZEN(Student), 2014
- İYİGÜN C., BATMAZ İ., Consensus clustering of time series data, Post Graduate, A.YETERE(Student), 2014
- İYİGÜN C., Solution approaches for single source capacitated multi facility weber problem, Post Graduate, H.DAMGACIOĞLU(Student), 2014
- İYİGÜN C., Probabilistic estimation framework on short term electricity load forecasting via parametric and nonparametric approaches, Post Graduate, E.ERGİN(Student), 2014
- İYİGÜN C., BAYINDIR Z. P. , Network planning of walk-in clinics on roadsides in Africa, Post Graduate, S.TAYMAZ(Student), 2013
- İYİGÜN C., On the parametric and nonparametric prediction methods for electricity load forecasting, Post Graduate, E.ERİŞEN(Student), 2013
- İYİGÜN C., İLK DAĞ Ö., Clustering of time-course gene expression data with dissimilar replicates, Post Graduate, O.ÇINAR(Student), 2013
- SÜRAL H., İYİGÜN C., Generalization of restricted planar location problems: Unified meta-heuristics for single facility case, Post Graduate, M.SALEH(Student), 2013
- İYİGÜN C., Heuristic methods for the stochastic lot-sizing problem under the static-dynamic uncertainty strategy, Post Graduate, A.CEM(Student), 2013
- İYİGÜN C., TURAL M. K. , Heuristics for a continuous multi-facility location problem with demand regions, Post Graduate, D.DİNLER(Student), 2013
- İYİGÜN C., Location analysis of the Mobile/24 emergency service vehicles of a case company, Post Graduate,

R.MELTEM(Student), 2012

İYİGÜN C., BATMAZ İ., An algorithm for the forward step of adaptive regression splines via mapping approach, Doctorate, E.KARTAL(Student), 2012

İYİGÜN C., Measuring the efficiency of the Turkish electric distribution sector using stochastic frontier analysis, Post Graduate, A.ÇELEN(Student), 2011

KARASAKAL E., İYİGÜN C., A multiple criteria sorting approach based on distance functions, Post Graduate, B.ÇELİK(Student), 2011

İYİGÜN C., A classification algorithm using mahalanobis distance clustering of data with applications on biomedical data sets, Post Graduate, B.DURAK(Student), 2011

İYİGÜN C., Bounding procedures on bi-directional labeling algorithm of TDVRPTW in branch-and-cut-and-price framework, Post Graduate, S.KÖKTEN(Student), 2011

İYİGÜN C., Robust facility location with mobile customers, Post Graduate, E.GÜL(Student), 2011

## Jury Memberships

Competition, YAD Uygulama Odulu , Middle East Technical University, July, 2019

Competition, YA/EM Öğrenci Yarismasi Proje Yarismasi, Middle East Technical University, June, 2018

Competition, YAD Uygulama Odulu , Middle East Technical University, June, 2018

## Designed Lessons

İyigün C., Gürel S., Süral H., Scientific Computing for Industrial Engineering, Under Graduate, 2014 - 2015

İyigün C., Monte Carlo Simulation for Operations Analysis, Post Graduate, 2012 - 2013

İyigün C., Data Mining for Business Intelligence, Post Graduate, 2010 - 2011

İyigün C., Introduction to Data Mining, Under Graduate, 2009 - 2010

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

- **A healthcare facility location problem for a multi -disease, multi -service environment under risk aversion**  
Taymaz S., Iyigun C., Bayindir Z. P. , Dellaert N. P.  
SOCIO-ECONOMIC PLANNING SCIENCES, vol.71, 2020 (Journal Indexed in SCI)
- **Heuristic methods for the capacitated stochastic lot-sizing problem under the static-dynamic uncertainty strategy**  
Randa A. C. , Dogru M. K. , İyigün C., Ozen U.  
COMPUTERS & OPERATIONS RESEARCH, vol.109, pp.89-101, 2019 (Journal Indexed in SCI)
- **Generalization of the restricted planar location problems: Unified metaheuristic algorithms**  
Farham M. S. , SÜRAL H., İYİGÜN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.99, pp.48-66, 2018 (Journal Indexed in SCI)
- **Locating emergency vehicles with an approximate queuing model and a meta-heuristic solution approach**  
AKDOĞAN M. A. , BAYINDIR Z. P. , İYİGÜN C.  
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, vol.90, pp.134-155, 2018 (Journal Indexed in SCI)
- **Clustering of short time-course gene expression data with dissimilar replicates**  
Cinar O., İLK Ö., İYİGÜN C.  
ANNALS OF OPERATIONS RESEARCH, vol.263, pp.405-428, 2018 (Journal Indexed in SCI)
- **A column generation approach for the location-routing problem with time windows**

Farham M. S. , SÜRAL H., İYİĞÜN C.

COMPUTERS & OPERATIONS RESEARCH, vol.90, pp.249-263, 2018 (Journal Indexed in SCI)

● **Early warning on stock market bubbles via methods of optimization, clustering and inverse problems**

Kurum E., Weber G., İYİĞÜN C.

● ANNALS OF OPERATIONS RESEARCH, vol.260, pp.293-320, 2018 (Journal Indexed in SCI)

● **Temporal clustering of time series via threshold autoregressive models: application to commodity prices**

Aslan S., Yozgatligil C., Iyigun C.

● ANNALS OF OPERATIONS RESEARCH, vol.260, pp.51-77, 2018 (Journal Indexed in SCI)

● **Has the climate been changing in Turkey? Regional climate change signals based on a comparative statistical analysis of two consecutive time periods, 1950-1980 and 1981-2010**

Turkes M., YOZGATLIGİL C., BATMAZ İ., İYİĞÜN C., KOC E. K. , FAHMI F. M. , ASLAN S.

● CLIMATE RESEARCH, vol.70, pp.77-93, 2016 (Journal Indexed in SCI)

● **A genetic algorithm for the uncapacitated single allocation planar hub location problem**

Damgacioglu H., DİNLER D., ÖZDEMİREL N. E. , İYİĞÜN C.

● COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.224-236, 2015 (Journal Indexed in SCI)

● **Heuristics for a continuous multi-facility location problem with demand regions**

DİNLER D., TURAL M. K. , İYİĞÜN C.

● COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.237-256, 2015 (Journal Indexed in SCI)

● **The Weber problem in congested regions with entry and exit points**

Farham M. S. , SÜRAL H., İYİĞÜN C.

● COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.177-183, 2015 (Journal Indexed in SCI)

● **A probabilistic multiple criteria sorting approach based on distance functions**

ÇELİK B., KARASAKAL E., İYİĞÜN C.

● EXPERT SYSTEMS WITH APPLICATIONS, vol.42, pp.3610-3618, 2015 (Journal Indexed in SCI)

● **Efficient adaptive regression spline algorithms based on mapping approach with a case study on finance**

Koc E. K. , İYİĞÜN C., BATMAZ İ., Weber G.

● JOURNAL OF GLOBAL OPTIMIZATION, vol.60, pp.103-120, 2014 (Journal Indexed in SCI)

● **Restructuring forward step of MARS algorithm using a new knot selection procedure based on a mapping approach**

Koc E. K. , İYİĞÜN C.

● JOURNAL OF GLOBAL OPTIMIZATION, vol.60, pp.79-102, 2014 (Journal Indexed in SCI)

● **The planar hub location problem: a probabilistic clustering approach**

Iyigun C.

● ANNALS OF OPERATIONS RESEARCH, vol.211, pp.193-207, 2013 (Journal Indexed in SCI)

● **Clustering current climate regions of Turkey by using a multivariate statistical method**

İYİĞÜN C., Turkes M., BATMAZ İ., YOZGATLIGİL C., PURUTCUOĞLU V., KOC E. K. , ÖZTÜRK M.

● THEORETICAL AND APPLIED CLIMATOLOGY, vol.114, pp.95-106, 2013 (Journal Indexed in SCI)

● **Clustering current climate regions of Turkey by using a multivariate statistical method**

İYİĞÜN C., Turkes M., BATMAZ İ., YOZGATLIGİL C., Purutcuoglu V., Koc E. K. , Ozturk M. Z.

● THEORETICAL AND APPLIED CLIMATOLOGY, vol.114, pp.95-106, 2013 (Journal Indexed in SCI)

● **Comparison of missing value imputation methods in time series: the case of Turkish meteorological data**

YOZGATLIGİL C., ASLAN S., İYİĞÜN C., BATMAZ İ.

● THEORETICAL AND APPLIED CLIMATOLOGY, vol.112, pp.143-167, 2013 (Journal Indexed in SCI)

● **Probabilistic programming models for traffic incident management operations planning**

Ozbay K., Iyigun C., Baykal-Gursoy M., XIAO W.

● ANNALS OF OPERATIONS RESEARCH, vol.203, pp.389-406, 2013 (Journal Indexed in SCI)

● **Modeling of Bus Transit Driver Availability for Effective Emergency Evacuation in Disaster Relief**

Morgul E. F. , Cavus O., Ozbay K., İYİGÜN C.

TRANSPORTATION RESEARCH RECORD, pp.45-55, 2013 (Journal Indexed in SCI)

**A generalized Weiszfeld method for the multi-facility location problem**

Iyigun C., Ben-Israel A.

OPERATIONS RESEARCH LETTERS, vol.38, pp.207-214, 2010 (Journal Indexed in SCI)

**Contour approximation of data: A duality theory**

Iyigun C., Ben-Israel A.

LINEAR ALGEBRA AND ITS APPLICATIONS, vol.430, pp.2771-2780, 2009 (Journal Indexed in SCI)

**Probabilistic D-clustering**

Ben-Israel A., Iyigun C.

JOURNAL OF CLASSIFICATION, vol.25, pp.5-26, 2008 (Journal Indexed in SCI)

**PROBABILISTIC DISTANCE CLUSTERING ADJUSTED FOR CLUSTER SIZE**

Iyigun C., BEN-ISRAEL A.

PROBABILITY IN THE ENGINEERING AND INFORMATIONAL SCIENCES, vol.22, pp.603-621, 2008 (Journal Indexed in SCI)

**Clustering-based methodology for determining optimal roadway configuration of detectors for travel time estimation**

Bartin B., OZBAY K., Lyigun C.

TRANSPORTATION RESEARCH RECORD, pp.98-105, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

**KİŞİSEL BAKIM ÜRÜNLERİNDE YEREL ZİNCİR MÜŞTERİLERİ İÇİN TEDARİK ZİNCİRİ İYİLEŞTİRİLMESİ**  
ÇETİN D. H. , DUMAN E., GÜRTÜRK Z., SAVCI A., UYAR G., İYİGÜN C., KARAER Ö.

Endüstri Mühendisliği Dergisi, vol.26, pp.21-34, 2015 (Other Refereed National Journals)

**Meteorolojik Zaman Serilerinde Kayıp Veri Tahmin Yöntemlerinin Başarımlarının Korelasyon Boyutu Analiziyle Karşılaştırılması**

ASLAN S., YOZGATLIGİL C., İYİGÜN C., BATMAZ İ., TATLI H.

İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.55-67, 2011 (Other Refereed National Journals)

**Türkiye İklim Bölgelerinin Hiyerarşik Kümeleme Yöntemi ile Belirlenmesi**

Kartal E., İyigün C., Fahmi M. F. , Yozgatlıgil C., Purutçuoğlu Gazi V., Batmaz İ., Köksal G., Turkes M.

İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.13-25, 2011 (Other Refereed National Journals)

**Investment Planning in Base Stations**

Kaya O., Kendirci S., Kılıçoğlu Ç., Okay B., Özüretmen C., İyigün C., Kayalığıl S., Köksal G.

Endüstri Mühendisliği, vol.21, pp.2-24, 2010 (Other Refereed National Journals)

## Books & Book Chapters

**Location Problems with Demand Regions**

DİNLER D., TURAL M. K. , İYİGÜN C.

in: Global Logistics Management, Kara Bahar Y., Sabuncuoğlu İhsan, Bidanda Bopaya, Editor, CRC Press, pp.237-252, 2014

**Determining the Climate Zones of Turkey by Center-Based Clustering Methods**

FAHMİ F., KARTAL E., İYİGÜN C., TURKES M., BATMAZ İ., YOZGATLIGİL C., PURUTÇUOĞLU GAZİ V., KÖKSAL G.

in: Nonlinear Dynamics of Complex Systems Applications in Physical Biological and Financial Systems, J.A. Tenreiro Machado, Baleanu, D. and A. Luo, Editor, Springer, pp.171-178, 2011

**Probabilistic Distance Clustering, Theory and Applications**

İyigün C., Ben-Israel A.

in: Clustering Challenges in Biological Networks, S. Butenko, W. A. Chaovalitwongse, P. Pardalos, Editor, World

Scientific Publishing , Singapore, pp.29-51, 2009

**Recent Advances in Optimization Models for Data Mining: Clustering, Feature Selection and Classification**

Fan Y., İyigün C., Chaovalitwongse W. A.

in: Data Mining and Mathematical Programming (CRM Proceedings & Lecture Notes, Book 45), P. Hansen, P. M. Pardalos, Editor, American Mathematical Society, New-York, pp.67-95, 2008

**Refereed Congress / Symposium Publications in Proceedings**

**Mixed integer programming and heuristics approaches for clustering with cluster-based feature selection**

İyigün C., Onen Oz S.

2019 INFORMS ANNUAL MEETING, Washington, United States Of America, 20 - 23 October 2019, pp.1

**Kümeleme Probleminde Küme Bazlı Öznitelik Secimi**

İyigün C., Onen Oz S.

39. Yoneylem Arastirmasi ve Endustri Muhendisligi Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.1

**Engineering Effort Estimation for Product Development Projects**

Yurt Z. O. , İyigun C., Bakal P.

IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Maicao, Colombia, 15 - 18 December 2019, pp.774-778

**Genetic Algorithm for Planar Capacitated Single Allocation Hub Location Problem**

İyigün C., Eroglu D. I. , Pamukcu D.

Informis Annual Meeting, 2018, Arizona, United States Of America, 4 - 07 November 2018, pp.1

**Probabilistic Distance Clustering on Networks**

İyigün C., Eroglu D. I.

INFORMS Annual Meeting, 2018, Arizona, United States Of America, 4 - 07 November 2018, pp.1

**A matheuristic for binary classification of data sets using hyperboxes**

Akbulut D., İyigün C., Özdemirel N. E.

29th EURO Conference, Valencia, Spain, 8 - 11 July 2018, pp.1

**Aglarda Yumusak Kumelem Problemleri ve Metaszgisel Cozum Yaklasimi**

Eroglu D. İ. , İyigün C.

38. YA/EM Ulusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018, pp.1

**Baglantililik Bazli Komsuluk Kurma ile Cok Amacli Genetik Kumele Problemi**

Alakus C., İyigün C., Özdemirel N. E.

38. YA/EM Uusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018, pp.1

**Conditional Value at Risk as SVR Minimization**

ERYİĞİT E., İYİGÜN C., ÇAVUŞ Ö.

2017 INFORMS Annual Meeting, 22 - 25 October 2017

**Feature Weighting Problem in k-Nearest Neighbor Classifier and Evolutionary Solution Approach**

İYİGÜN C., GÜLEÇ N.

12TH INFORMS WORKSHOP ON DATA MINING DECISION ANALYTICS WORKSHOP, Houston, United States Of America, 21 October 2017

**A Location Problem for Emergency Healthcare Facilities**

BAYINDIR Z. P. , İYİGÜN C., İŞBİLİR M.

OR2017, International Conference on Operations Research – Annual Conference of the German Operations Research Society, 06 September 2016 - 08 September 2017

**Kapasite Kisitli Merkez Secimi Problemi icin Genetik Algoritma**

EROĞLU D. İ. , PAMUKÇU D., İYİGÜN C., ÖZDEMİREL N. E.

37. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Turkey, 5 - 07 July 2017

**A Geometrical Approach to Forecast Burst-time of Stock Market Bubbles**

KÜRÜM E., WEBER G. W. , İYİĞÜN C.

21st IFORS Annual Meeting, 17 July - 21 January 2017

● **Location analysis of emergency vehicles using an approximate queueing model**

AKDOĞAN M. A. , BAYINDIR Z. P. , İYİĞÜN C.

19th European-Operational-Research-Societies Working Group on Transportation Meeting (EWGT), İstanbul, Turkey, 5 - 07 September 2016, vol.22, pp.430-439

● **Dynamic clustering of multiple multivariate time series Application to climate data**

YOZGATLIGİL C., ASLAN S., İYİĞÜN C.

The 22nd International Conference on Computational Statistics, Oviedo, Spain, 23 - 26 August 2016

● **The Two echelon Freight Transportation Network in City Logistics**

Farham M. S. , SÜRAL H., İYİĞÜN C.

28th European Conference on Operational Research, Poznan, Poland, 3 - 06 July 2016

● **A Supervised Biclustering Optimization Model for Feature Selection in Biomedical Dataset Classification**

Arikan S. D. O. , İYİĞÜN C.

1st International Conference on Data Mining and Big Data (DMBD), Balvi, Latvia, 25 - 30 June 2016, vol.9714, pp.196-204

● **Applying data mining techniques to detect abnormal flight characteristics**

ASLANER H. E. , UNAL C., İYİĞÜN C.

Conference on Machine Intelligence and Bio-Inspired Computation - Theory and Applications X, Maryland, United States Of America, 20 April 2016, vol.9850

● **On the Performance Analysis of a New Knot Selection Procedure in MARS**

İYİĞÜN C., KARTAL KOÇ E.

INFORMS Workshop on Data Mining and Analytics, 31 October 2015

● **Eşik Değerli Doğrusal Olmayan Zaman Serisi Modeliyle Farklı Rejimlerin Belirlenmesi Türkiye Yağış Verileri Üzerine Bir Uygulama**

ASLAN S., YOZGATLIGİL C., İYİĞÜN C., BATMAZ İ.

YAEM2015, Turkey, 9 - 11 September 2015

● **Türkiye İklim Bölgelerinin On İki Klimatolojik Değişken Kullanarak AGNES Konsensüs Kümeleme Tekniği ile Belirlenmesi**

MURAT T., İYİĞÜN C., BATMAZ İ., YOZGATLIGİL C., Kartal Koç E., YETERE KURSUN A.

YAEM2015, Turkey, 9 - 11 September 2015

● **Temporal Clustering of Commodities via ThresholdAutoregressive Models**

ASLAN S., YOZGATLIGİL C., İYİĞÜN C.

55th Meeting of the EWGCFM (EWGCFM 2015), 14 - 16 May 2015

● **Detection of Unreliable measurements in long term time series via data mining techniques case in Turkish climate data**

YAZICI C., PURUTÇUOĞLU GAZİ V., YOZGATLIGİL C., İYİĞÜN C., BATMAZ İ.

International IIE Conference, 26 - 28 June 2013

● **Precipitation Forecasting Assessment via Nonlinear Autoregressive Neural Network and Vector Autoregressive Models**

ASLAN S., İYİĞÜN C., YOZGATLIGİL C., BATMAZ İ.

International IIE Conference. International IIE Conference, 26 - 28 June 2013, pp.252

● **Facilitating adoption of Enterprise Resource Planning (ERP) systems: The state of the art**

Ozkan S., Kurt N., İYİĞÜN C.

18th Americas Conference on Information Systems 2012, AMCIS 2012, Seattle, WA, United States Of America, 9 - 12 August 2012, vol.4, pp.3037

● **UNCERTAINTY AND A NEW MEASURE FOR CLASSIFICATION UNCERTAINTY**

Damgacioglu H., İYİĞÜN C.

10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Turkey, 26 - 29 August 2012, vol.7, pp.925-930

## SEASONAL VARIATION OF TURKEY: A CONSENSUS CLUSTERING APPROACH

Kursun A. Y. , İYİGÜN C., YOZGATLIGİL C., BATMAZ İ.

10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Turkey, 26 - 29 August 2012, vol.7, pp.913-918

## Detection of seasonal changes in climate data by comparative analysis A case study for Turkey

AKAL T., FAHMİ F., KARTAL E., PURUTÇUOĞLU GAZİ V., İYİGÜN C., YOZGATLIGİL C., BATMAZ İ.

25th European Conference on Operations Research, 8 - 11 July 2012

## Investigating the Seasonal Patterns of Continental Central Anatolia by Clustering

AKAL T., PURUTÇUOĞLU GAZİ V., BATMAZ İ., KARTAL KOÇ E., İYİGÜN C., YOZGATLIGİL C.

The 25th Conference of European Chapter on Combinatorial Optimization, 26 - 28 April 2012

## Supported Projects

İYİGÜN C., HATİPOĞLU P. U. , Project Supported by Higher Education Institutions, Enerji Tüketim Takip Sisteminde Zaman Serileri Sınıflandırma Problemi için Optimizasyon Modellerinin ve Sezgisel Yaklaşımların Geliştirilmesi, 2015 - Continues

İyigün C., Polat F., TUBITAK Project, YÖK Program ve Kontenjan Yönetim Sistemi, 2018 - 2020

İyigün C., Aydın Son Y., TUBITAK Project, Alzheimer Hastalığı'nın Erken ve Ayırıcı Tanısı için Genomik ve Klinik Bilgiye Dayalı in-Silico Model ve Genotiplendirme Kiti Geliştirilmesi ve Hastalarda Doğrulanması , 2018 - 2020

İyigün C., Uzelgencer A., TUBITAK Project, Bulut Bilişim Tabanlı Anlık Raf - Stok Takibi Ve Elde Edilen Büyük Verinin Hızlı Tepkisel Üretim (Quick Response Manufacturing - QRM) Kapsamında Kullanılması, 2018 - 2019

İyigün C., Gürel S., Dusmez Tek E., TUBITAK Project, Mağazalar Arası Transfer Optimizasyonu , 2017 - 2019

İyigün C., Çavuş Ö., Tanrisever F., Yılmaz M., TUBITAK Project, Türkiye Elektrik Piyasası'nda Yatırım ve Ticaret Karar Destek Sistemi, 2018 - 2018

YOZGATLIGİL C., ASLAN S., İYİGÜN C., Project Supported by Higher Education Institutions, Zamana Bağlı Değişen Emtia Fiyat İndeksi/İndeksleri Oluşturulması, 2016 - 2017

SÜRAL H., GÜREL S., İYİGÜN C., Other Supported Projects, Kentsel Alanlarda Konsolidasyon ve Koordinasyon, 2013 - 2017

İyigün C., Dogan T., TUBITAK Project, SEAS Smart Energy Aware Systems, 2014 - 2015

SÜRAL H., İYİGÜN C., GÜREL S., Project Supported by Higher Education Institutions, Şehir Lojistiği için Lisans Araştırmaları, 2014 - 2015

İYİGÜN C., Project Supported by Higher Education Institutions, Olasılıklı Uzaklık Kümeleme Metodunun Geliştirilmesi Ve Uygulamaları, 2011 - 2013

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## Contractual Researches

İYİGÜN C., Web Tabanlı Gerçek Zamanlı Talep ve Fiyat Tahmin Platformu Gelistirilmesi, 2013 - 2013

İYİGÜN C., E-Ticaret Servis ve Sistem Test Süreçleri, 2013 - 2013

## Activities in Scientific Journals

Annals Of Operations Research, Editor, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

INFORMS International Activities Committee , Board Member, 2017 - Continues, United States Of America

Yoneylem Arastirmasi Dernegi, Board Member, 2011 - Continues, Turkey



INFORMS Data Mining Section, Board Member, 2017 - 2019, United States Of America  
Yoneylem Arastirmasi Dernegi, Secretary General, 2013 - 2017

### **Scientific Refereeing**

COMPUTERS & OPERATIONS RESEARCH, SCI Journal, September 2019  
ANNALS OF OPERATIONS RESEARCH, SCI Journal, August 2019  
COMPUTERS & OPERATIONS RESEARCH, SCI Journal, August 2019  
EURO Journal on Computational Optimization, Journal Indexed in ESCI, May 2019  
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EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, SCI Journal, January 2019  
EURO Journal on Computational Optimization, Journal Indexed in ESCI, December 2018

### **Invited Congress and Symposium Activities**

2019 Informs Annual Meeting, Working Group, Washington, United States Of America, 2019  
39. YAEM Ulusal Kongresi, Attendee, Ankara, Turkey, 2019  
2018 Informs Annual Meeting, Working Group, Arizona, United States Of America, 2018  
38. YAEM Ulusal Kongresi , Working Group, Eskişehir, Turkey, 2018

### **Citations**

Total Citations (WOS):302  
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