

## 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

Undergraduate, 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

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2021 - Continues

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2015 - 2020

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

### Academic and Administrative Experience

Program Koordinatörü, Middle East Technical University, Graduate School of Natural and Applied Sciences, Engineering Management, 2020 - Continues

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, Postgraduate, 2019 - 2020

## Advising Theses

İyigün C., Süral H., An evolutionary algorithm to the two-echelon location routing problems with hard time windows, Postgraduate, M.MÜSLİM(Student), 2021

İyigün C., K-median clustering algorithms for time series data, Postgraduate, G.YIĞİT(Student), 2021

Tural M. K. , İyigün C., Dimension reduction for tree-structured data, Postgraduate, E.DURAK(Student), 2021

İyigün C., Two-Mode Probabilistic Distance Clustering, Postgraduate, Y.CANER(Student), 2021

İyigün C., Süral H., Location-routing and synchronization problems in city logistics, Doctorate, M.SALEH(Student), 2020

İyigün C., Durahim A. O. , SPAM DETECTION BY USING NETWORK AND TEXT EMBEDDING APPROACHES, Postgraduate, C.MERVE(Student), 2019

İyigün C., Mixed integer programming and heuristics approaches for clustering with cluster-based feature selection, Postgraduate, S.ÖNEN(Student), 2019

İYİGÜN C., A Unified Approach for Center-Based Clustering Problems on Networks, Postgraduate, D.İPEK(Student), 2019

İYİGÜN C., ÖZDEMİREL N. E. , Optimization Approaches for Classification and Feature Selection Using Overlapping Hyperboxes, Doctorate, D.AKBULUT(Student), 2019

Süral H., İyigün C., Open-loop reverse logistics network design of waste of electric and electronic equipment by consideration of hazardous materials, Postgraduate, T.MOHAMMADI(Student), 2019

İYİGÜN C., ÖZDEMİREL N. E. , Neighborhood construction-based multi-objective evolutionary clustering algorithm with feature selection, Postgraduate, C.ALAKUŞ(Student), 2018

İYİGÜN C., Feature weighting problem in K-nearest neighbor classifier, Postgraduate, N.GÜLEÇ(Student), 2017

İYİGÜN C., Time series classification using deep learning, Postgraduate, P.UMUT(Student), 2016

İYİGÜN C., Time series classification using deep learning, Postgraduate, P.Umut(Student), 2016

İYİGÜN C., A statistical approach to job matching problem via difference metrics and data mining, Doctorate, A.FATİH(Student), 2016

BAYINDIR Z. P. , İYİGÜN C., A Genetic algorithm for healthcare facility location problem, Postgraduate, M.İŞBİLİR(Student), 2016

SÜRAL H., İYİGÜN C., City logistics system design under cost uncertainty, Postgraduate, U.CAN(Student), 2015

İYİGÜN C., DURAN S., The valuation of government guarantees provided for municipalities, Postgraduate, M.ESAT(Student), 2015

BAYINDIR Z. P. , İYİGÜN C., Locating ems vehicles in general networks with an approximate queueing model and a metaheuristic solution approach, Postgraduate, M.ALTAN(Student), 2015

İYİGÜN C., Investigation of the impacts of linkage disequilibrium on SNP selection studies, Postgraduate, 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, Postgraduate, G.SEZEN(Student), 2014

İYİGÜN C., BATMAZ İ., Consensus clustering of time series data, Postgraduate, A.YETERE(Student), 2014

İYİGÜN C., Solution approaches for single-source capacitated multi facility weber problem, Postgraduate, H.DAMGACIOĞLU(Student), 2014

İYİGÜN C., Probabilistic estimation framework on short term electricity load forecasting via parametric and nonparametric approaches, Postgraduate, E.ERGİN(Student), 2014

İYİGÜN C., SÜRAL H., Generalization of restricted planar location problems: Unified meta-heuristics for single facility case, Postgraduate, M.SALEH(Student), 2013

İYİGÜN C., On the parametric and nonparametric prediction methods for electricity load forecasting, Postgraduate, E.ERİŞEN(Student), 2013

İyigün C., Tural M. K. , Heuristics for a continuous multi-facility location problem with demand regions, Postgraduate, D.DİNLER(Student), 2013

İYİGÜN C., Heuristic methods for the stochastic lot-sizing problem under the static-dynamic uncertainty strategy, Postgraduate, A.CEM(Student), 2013

BAYINDIR Z. P. , İYİGÜN C., Network planning of walk-in clinics on roadsides in Africa, Postgraduate, S.TAYMAZ(Student), 2013

İYİGÜN C., İLK DAĞ Ö., Clustering of time-course gene expression data with dissimilar replicates, Postgraduate, O.ÇINAR(Student), 2013

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

İYİGÜN C., Location analysis of the Mobile/24 emergency service vehicles of a case company, Postgraduate, 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., Bounding procedures on bi-directional labeling algorithm of TDVRPTW in branch-and-cut-and-price framework, Postgraduate, S.KÖKTEN(Student), 2011

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

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

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

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

## **Advising Graduates (Non-Thesis)**

İyigün C., A DATA MINING APPROACH FOR PREDICTIVE MAINTENANCE TO REDUCE FAILURE TIME AND PRODUCTION LOSS COST IN ROKETSAN INC., Masters (Non-Thesis, Evening Education), M.Hakan(Student), 2020

## **Jury Memberships**

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

Competition, YA/EM Öğrenci Yarışması Proje Yarışması, 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, Undergraduate, 2014 - 2015

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

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

İyigün C., Introduction to Data Mining, Undergraduate, 2009 - 2010

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

- I. **An evaluation of a novel approach for clustering genes with dissimilar replicates**  
Cinar O., İYİGÜN C., İLK DAĞ Ö.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2020 (Journal Indexed in SCI)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **A column generation approach for the location-routing problem with time windows**  
Farham M. S. , SÜRAL H., İYİGÜN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.90, pp.249-263, 2018 (Journal Indexed in SCI)
- VIII. **Temporal clustering of time series via threshold autoregressive models: application to commodity prices**  
Aslan S., Yozgathgil C., Iyigun C.  
ANNALS OF OPERATIONS RESEARCH, vol.260, pp.51-77, 2018 (Journal Indexed in SCI)
- IX. **Early warning on stock market bubbles via methods of optimization, clustering and inverse problems**  
Kurum E., Weber G., İYİGÜN C.  
ANNALS OF OPERATIONS RESEARCH, vol.260, pp.293-320, 2018 (Journal Indexed in SCI)
- X. **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., İYİGÜN C., KOC E. K. , FAHMI F. M. , ASLAN S.  
CLIMATE RESEARCH, vol.70, no.1, pp.77-93, 2016 (Journal Indexed in SCI)
- XI. **Heuristics for a continuous multi-facility location problem with demand regions**  
DİNLER D., TURAL M. K. , İYİGÜN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.237-256, 2015 (Journal Indexed in SCI)
- XII. **A genetic algorithm for the uncapacitated single allocation planar hub location problem**  
Damgacioglu H., DİNLER D., ÖZDEMİREL N. E. , İYİGÜN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.224-236, 2015 (Journal Indexed in SCI)
- XIII. **The Weber problem in congested regions with entry and exit points**  
Farham M. S. , SÜRAL H., İYİGÜN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.62, pp.177-183, 2015 (Journal Indexed in SCI)
- XIV. **A probabilistic multiple criteria sorting approach based on distance functions**  
ÇELİK B., KARASAKAL E., İYİGÜN C.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.42, no.7, pp.3610-3618, 2015 (Journal Indexed in SCI)

- XV. **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, no.1, pp.103-120, 2014 (Journal Indexed in SCI)
- XVI. **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, no.1, pp.79-102, 2014 (Journal Indexed in SCI)
- XVII. **The planar hub location problem: a probabilistic clustering approach**  
Iyigun C.  
ANNALS OF OPERATIONS RESEARCH, vol.211, no.1, pp.193-207, 2013 (Journal Indexed in SCI)
- XVIII. **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)
- XIX. **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)
- XX. **Probabilistic programming models for traffic incident management operations planning**  
Ozbay K., Iyigun C., Baykal-Gursoy M., XIAO W.  
ANNALS OF OPERATIONS RESEARCH, vol.203, no.1, pp.389-406, 2013 (Journal Indexed in SCI)
- XXI. **Modeling of Bus Transit Driver Availability for Effective Emergency Evacuation in Disaster Relief**  
Morgul E. F. , Cavus O., Ozbay K., İYİĞÜN C.  
TRANSPORTATION RESEARCH RECORD, no.2376, pp.45-55, 2013 (Journal Indexed in SCI)
- XXII. **A generalized Weiszfeld method for the multi-facility location problem**  
Iyigun C., Ben-Israel A.  
OPERATIONS RESEARCH LETTERS, vol.38, no.3, pp.207-214, 2010 (Journal Indexed in SCI)
- XXIII. **Contour approximation of data: A duality theory**  
Iyigun C., Ben-Israel A.  
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.430, no.10, pp.2771-2780, 2009 (Journal Indexed in SCI)
- XXIV. **Probabilistic D-clustering**  
Ben-Israel A., Iyigun C.  
JOURNAL OF CLASSIFICATION, vol.25, no.1, pp.5-26, 2008 (Journal Indexed in SCI)
- XXV. **PROBABILISTIC DISTANCE CLUSTERING ADJUSTED FOR CLUSTER SIZE**  
Iyigun C., BEN-ISRAEL A.  
PROBABILITY IN THE ENGINEERING AND INFORMATIONAL SCIENCES, vol.22, no.4, pp.603-621, 2008 (Journal Indexed in SCI)
- XXVI. **Clustering-based methodology for determining optimal roadway configuration of detectors for travel time estimation**  
Bartin B., OZBAY K., Iyigun C.  
TRANSPORTATION RESEARCH RECORD, no.2000, pp.98-105, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **KİŞİSEL BAKIM ÜRÜNLERİNDE YEREL ZİNCİR MÜŞTERİLERİ İÇİN TEDARİK ZİNCİRİ İYİLEŞTİRİLMESİ**  
ÇETİN D. H. , DUMAN E., GÜRTÜRK Z., SAVCI A., UYAR G., İYİĞÜN C., KARAER Ö.  
Endüstri Mühendisliği Dergisi, vol.26, pp.21-34, 2015 (Other Refereed National Journals)
- II. **Meteorolojik Zaman Serilerinde Kayıp Veri Tahmin Yöntemlerinin Başarımlarının Korelasyon Boyutu Analiziyle Karşılaştırılması**  
ASLAN S., YOZGATLIGİL C., İYİĞÜN C., BATMAZ İ., TATLI H.

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

- III. **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)
- IV. **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, no.3, pp.2-24, 2010 (Other Refereed National Journals)

## Books & Book Chapters

- I. **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
- II. **Determining the Climate Zones of Turkey by Center-Based Clustering Methods**  
Fahmi F., Kartal E., İyigün C., Turkes M., Batmaz I., Yozgatlıgil C., Purutçuoğlu Gazi V., Köksal G.  
in: Nonlinear and Complex Dynamics: Applications in Physical Biological and Financial Systems, J.A. Tenreiro Machado, Baleanu, D. and A. Luo, Editor, Springer, London/Berlin, London, pp.171-178, 2011
- III. **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
- IV. **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

- I. **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
- II. **Kümeleme Probleminde Küme Bazlı Öznitelik Secimi**  
İyigün C., Onen Oz S.  
39. Yöneylem Arastirmasi ve Endustri Muhendisligi Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.1
- III. **Engineering Effort Estimation for Product Development Projects**  
Yurt Z. O., İyigün C., Bakal P.  
IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Maicao, Colombia, 15 - 18 December 2019, pp.774-778
- IV. **Genetic Algorithm for Planar Capacitated Single Allocation Hub Location Problem**  
İyigün C., Eroglu D. I., Pamukcu D.  
Informs Annual Meeting, 2018, Arizona, United States Of America, 4 - 07 November 2018, pp.1
- V. **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
- VI. **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

VII. **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

VIII. **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

IX. **Conditional Value at Risk as SVR Minimization**

ERYİĞİT E., İYİGÜN C., ÇAVUŞ Ö.

2017 INFORMS Annual Meeting, 22 - 25 October 2017

X. **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

XI. **A Location Problem for Emergency Healthcare Facilites**

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

XII. **A Location Problem for Emergency Healthcare Facilities**

BAYINDIR Z. P. , İYİGÜN C., işbilir m.

INTERNATIONAL CONFERENCE ON OPERATIONS RESEARCH, 6 - 08 September 2017

XIII. **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

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

KÜRÜM E., WEBER G. W. , İYİGÜN C.

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

XV. **Location analysis of emergency vehicles using an approximate queueing model**

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

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

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

YOZGATLIGİL C., ASLAN S., İYİGÜN C.

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

XVII. **ACİL TIBBİ YARDIM ARAÇLARININ GENEL AĞLARDA YAKLAŞIK BİR KUYRUK MODELİ VE SEZGİSEL BİR ÇÖZÜM YAKLAŞIMI İLE LOKASYONUNUN BELİRLENMESİ**

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

Yöneylem Araştırması ve Endüstri Mühendisliği 36. Ulusal Kongresi, Turkey, 13 - 15 July 2016

XVIII. **The Two echelon Freight Transportation Network in City Logistics**

Farham M. S. , SÜRAL H., İYİGÜN C.

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

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

Arikan S. D. O. , İYİGÜN C.

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

XX. **Applying data mining techniques to detect abnormal flight characteristics**

ASLANER H. E. , UNAL C., İYİGÜN C.

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

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



- İYİGÜN C., KARTAL KOÇ E.  
INFORMS Workshop on Data Mining and Analytics, 31 October 2015
- XXII. **Türkiye İklim Bölgelerinin On İki Klimatolojik Değişken Kullanarak AGNES Konsensüs Kümeleme Tekniği ile Belirlenmesi**  
MURAT T., İYİGÜN C., BATMAZ İ., YOZGATLIGİL C., Kartal Koç E., YETERE KURSUN A.  
YAEM2015, Turkey, 9 - 11 September 2015
- XXIII. **Eşik Değerli Doğrusal Olmayan Zaman Serisi Modeliyle Farklı Rejimlerin Belirlenmesi Türkiye Yağış Verileri Üzerine Bir Uygulama**  
ASLAN S., YOZGATLIGİL C., İYİGÜN C., BATMAZ İ.  
YAEM2015, Turkey, 9 - 11 September 2015
- XXIV. **Temporal Clustering of Commodities via Threshold Autoregressive Models**  
ASLAN S., YOZGATLIGİL C., İYİGÜN C.  
55th Meeting of the EWGCFM (EWGCFM 2015), 14 - 16 May 2015
- XXV. **Heuristics for a Continuous Multi-facility Location Allocation Problem with Demand Regions**  
DİNLER D., TURAL M. K. , İYİGÜN C.  
26th European Conference on Operational Research, Roma, Italy, 1 - 04 July 2013
- XXVI. **Precipitation Forecasting Assessment via Nonlinear Autoregressive Neural Network and Vector Autoregressive Models**  
ASLAN S., İYİGÜN C., YOZGATLIGİL C., BATMAZ İ.  
International IIE Conference. International IIE Conference, 26 - 28 June 2013, pp.252
- XXVII. **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., İYİGÜN C., BATMAZ İ.  
International IIE Conference, 26 - 28 June 2013
- XXVIII. **Facilitating adoption of Enterprise Resource Planning (ERP) systems: The state of the art**  
Ozkan S., Kurt N., İYİGÜN C.  
18th Americas Conference on Information Systems 2012, AMCIS 2012, Seattle, WA, United States Of America, 9 - 12 August 2012, vol.4, pp.3037
- XXIX. **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
- XXX. **UNCERTAINTY AND A NEW MEASURE FOR CLASSIFICATION UNCERTAINTY**  
Damgacioglu H., İYİGÜN 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
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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  
Yöneylem Arastirmasi Dernegi, Board Member, 2011 - Continues, Turkey  
INFORMS Data Mining Section, Board Member, 2017 - 2020, United States Of America  
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## **Scientific Refereeing**

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## **Edit Congress and Symposium Activities**

2019 Informs Annual Meeting, Working Group, Washington, United States Of America, 2019

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Total Citations (WOS):351

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