Prof. AYDIN SİPAHİOĞLU

Personal Information

Office Phone: +90 222 239 3750 Extension: 3608

Email: asipahi@ogu.edu.tr

Web: https://avesis.ogu.edu.tr/asipahi

International Researcher IDs

ORCID: 0000-0001-8743-2911

Publons / Web Of Science ResearcherID: J-5925-2012

ScopusID: 15073549700

Yoksis Researcher ID: 182728

Education

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey 1990 - 1996

Postgraduate, Anadolu University, Institute Of Science, Endüstri Mühendisliği (Yl) (Tezli), Turkey 1988 - 1990

Undergraduate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Gezgin satıcı araç turu belirleme problemleri için yeni alt tur engelleme kısıtları, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), 1996

Postgraduate, Toplam maliyet-darboğaz zaman tabanlı ulaştırma problemleri için bir algoritma, Anadolu University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Yl) (Tezli), 1990

Research Areas

Industrial Engineering, Optimization Theory and Methods, Decision Theory, Supply Chain and Logistics Management, Engineering and Technology

Academic Positions

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2016 - Continues

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2011 - 2016

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 1997 - 2011

Lecturer, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 1993 -

1996

Research Assistant, Anadolu University, Faculty Of Engineering, Department Of Industrial Engineering, 1988 - 1993

Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2019 - Continues

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2010 - 2010

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 1999 - 2002

Courses

Doctorate

Tamsayılı Programlama, Doctorate, 2017 - 2018, 2016 - 2017

Postgraduate

Karar Vermede Niceliksel Yöntemler, Postgraduate, 2017 - 2018

Undergraduate

Yöneylem Araştırması II, Undergraduate, 2017 - 2018, 2016 - 2017

Karar Analizi, Undergraduate, 2017 - 2018, 2016 - 2017

Proje Yönetimi, Undergraduate, 2017 - 2018, 2016 - 2017

Yöneylem Araştırması I, Undergraduate, 2017 - 2018

Lojistik Yönetimi, Undergraduate, 2017 - 2018, 2016 - 2017

Project Management, Undergraduate, 2016 - 2017

Yöneylem Araştrması I, Undergraduate, 2016 - 2017

Journal articles indexed in SCI, SSCI, and AHCI

I. **A Metaheuristic Approach for In-Plant Milk-Run System with Autonomous Vehicles**
Sipahioglu A., Acar I., Altın İ.
NETWORKS AND SPATIAL ECONOMICS, vol.24, pp.1-21, 2024 (SCI-Expanded)

II. **Drone Arc Routing Problems and Metaheuristic Solution Approach**
Altin I., Sipahioglu A.
DRONES, vol.8, no.8, pp.1-30, 2024 (SCI-Expanded)

III. **A TWO-STAGE SOLUTION APPROACH FOR PLASTIC INJECTION MACHINES SCHEDULING PROBLEM**
Saraç T., Sipahioğlu A., Ozer E. A.
Journal of Industrial and Management Optimization, vol.17, no.3, pp.1289-1314, 2021 (SCI-Expanded)

IV. **A mathematical model suggestion for airspace sector design**
Temizkan S., SİPAHİOĞLU A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.4, pp.913-920, 2016 (SCI-Expanded)

V. **A Dynamic Path Planning Approach for Multirobot Sensor-Based Coverage Considering Energy Constraints**
YAZICI A., Kirlik G., PARLAKTUNA O., SİPAHİOĞLU A.
IEEE TRANSACTIONS ON CYBERNETICS, vol.44, no.3, pp.305-314, 2014 (SCI-Expanded)

VI. **Generalized quadratic multiple knapsack problem and two solution approaches**
SARAÇ T., SİPAHİOĞLU A.
COMPUTERS & OPERATIONS RESEARCH, vol.43, pp.78-89, 2014 (SCI-Expanded)

VII. **Heuristic solution approaches for the cumulative capacitated vehicle routing problem**
ÖZSOYDAN F. B., SİPAHİOĞLU A.

OPTIMIZATION, vol.62, no.10, pp.1321-1340, 2013 (SCI-Expanded)

VIII. **Capacitated arc routing problem with deadheading demands**
Kirlik G., SİPAHİOĞLU A.
COMPUTERS & OPERATIONS RESEARCH, vol.39, no.10, pp.2380-2394, 2012 (SCI-Expanded)

IX. **Energy constrained multi-robot sensor-based coverage path planning using capacitated arc routing approach**
SİPAHİOĞLU A., Kirlik G., PARLAKTUNA O., YAZICI A.
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.58, no.5, pp.529-538, 2010 (SCI-Expanded)

X. **The Performance of the Modified Subgradient Algorithm on Solving the 0-1 Quadratic Knapsack Problem**
SİPAHİOĞLU A., SARAÇ T.
INFORMATICA, vol.20, no.2, pp.293-304, 2009 (SCI-Expanded)

XI. **Heuristic-Based Dynamic Route Planning Method for a Homogeneous Multi-robot Team**
YAZICI A., SİPAHİOĞLU A., PARLAKTUNA O.
ADVANCED ROBOTICS, vol.23, no.3, pp.269-287, 2009 (SCI-Expanded)

XII. **Real-time tour construction for a mobile robot in a dynamic environment**
SİPAHİOĞLU A., YAZICI A., PARLAKTUNA O., GÜREL U.
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.56, no.4, pp.289-295, 2008 (SCI-Expanded)

XIII. **A VRP-based route planning for a mobile robot group**
PARLAKTUNA O., SİPAHİOĞLU A., YAZICI A.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.15, no.2, pp.187-197, 2007 (SCI-Expanded)

XIV. **A multi-objective programming approach to 1.5-dimensional assortment problem**
Gasimov R. N., SİPAHİOĞLU A., Sarac T.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.179, no.1, pp.64-79, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **TEKNOLOJİK GELİŞMELER IŞIĞINDA ENDÜSTRİ MÜHENDİSLİĞİNİN GELECEĞİ**
Aktar Demirtaş E., Sağır M., Alpay Ş., Özkan N. F., Hasgül S., Sipahioğlu A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.4, pp.1094-1111, 2023 (Peer-Reviewed Journal)

II. **PARAMETER-LESS AND METAPHOR-LESS METAHEURISTIC ALGORITHM SUGGESTION FOR SOLVING COMBINATORIAL OPTIMIZATION PROBLEMS**
Altın İ., Sipahioğlu A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.1, pp.599-609, 2023 (Peer-Reviewed Journal)

III. **The effect of dynamic penalty function on solution of quadratic knapsack problem with simulated annealing algorithm**
SİPAHİOĞLU A., ALTIN İ.
Applied Analysis and Optimization, vol.4, no.2, pp.257-271, 2020 (Peer-Reviewed Journal)

IV. **A mathematical model for in-plant Milk-Run routing**
SİPAHİOĞLU A., ALTIN İ.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, no.9, pp.1050-1055, 2019 (ESCI)

V. **AN ASSIGNMENT BASED MODELLING APPROACH FOR THE INVENTORY ROUTING PROBLEM OF MATERIAL SUPPLY SYSTEMS OF THE ASSEMBLY LINES**
Satoğlu Ş. I., SİPAHİOĞLU A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, no.1, pp.161-177, 2018 (ESCI)

VI. **Application of the Electre III Method for a Solid Waste Management System**

SİPAHİOĞLU A., ÖZKAN A., BANAR M., ACAR I.

Anadolu Üniversity Journal of Science and Technology, vol.12, no.1, pp.11-23, 2011 (Peer-Reviewed Journal)

VII. **Çok amaçlı sırt çantası probleminin çözümüne yeni bir yaklaşım konik skalerleştirme**

SİPAHİOĞLU A., SARAÇ T.

Endüstri Mühendisliği Dergisi, vol.21, no.4, pp.2-12, 2010 (Peer-Reviewed Journal)

VIII. **Plastik enjeksiyon makinalarının çizelgelenmesi problemi**

SARAÇ T., SİPAHİOĞLU A.

Endüstri Mühendisliği Dergisi, vol.20, no.2, pp.2-14, 2009 (Peer-Reviewed Journal)

IX. **A Genetic Algorithm for the Quadratic Multiple Knapsack Problem**

SİPAHİOĞLU A., SARAÇ T.

Lecture Notes In Computer Science, vol.4729, pp.490-498, 2007 (Scopus)

Books

I. **Simulated Annealing Algorithm for In-Plant Milk-Run System**

ALTIN İ., SİPAHİOĞLU A.

in: Production Research, Daniel Alejandro Rossit, Fernando Tohmé, Gonzalo Mejía Delgadillo, Editor, Springer, pp.187-201, 2021

II. **İç Lojistik Uygulamaları**

SİPAHİOĞLU A., ALTIN İ.

in: Yapay Zeka ve Büyük Veri, Sağıroğlu Şeref, Demirezen Umut M., Yazıcı Ahmet, Editor, Nobel, pp.117-152, 2021

III. **İşletme Bilgi Sistemleri**

SARIÇİÇEK İ., SİPAHİOĞLU A., MUTLU M. E., KAYABAŞ İ., KİP KAYABAŞ B., GÜREL U., SAĞLAM N., OKTAL Ö., ORHAN A.

Anadolu Üniversitesi, Eskişehir, 2020

IV. **Uluslararası Taşımacılık Yönetimi**

SİPAHİOĞLU A., BÜYÜKÖZKAN FEYZİOĞLU G., KAMIŞLI ÖZTÜRK Z., ŞAHİN G., GÜRDAL E., ABA B.

in: Uluslararası Lojistik, Bülent Çatay, Gürkan Öztürk, Editor, Anadolu Üniversitesi, Eskişehir, pp.22-43, 2016

V. **Uluslararası Satın Alma ve Tedarik Stratejileri**

SİPAHİOĞLU A., ŞAHİN G., KAMIŞLI ÖZTÜRK Z., ERTEK G., ABA B., BÜYÜKÖZKAN FEYZİOĞLU G.

in: Uluslararası Lojistik, Bülent Çatay, Gürkan Öztürk, Editor, Anadolu Üniversitesi, Eskişehir, pp.44-61, 2016

VI. **Düğüm Tabanlı Araç Rotalama Problemleri**

SİPAHİOĞLU A., KESKİN M. H., TANYAŞ M., KAMIŞLI ÖZTÜRK Z.

in: Lojistik Planlama ve Modelleme, Gülsen Serap Çekerol, Editor, Anadolu Üniversitesi, Eskişehir, pp.124-149, 2016

VII. **Lojistik Yönetiminde Karşılaşılan Eniyileme Problemleri ve Modellemenin Önemi**

SİPAHİOĞLU A., KESKİN M. H., TANYAŞ M., KAMIŞLI ÖZTÜRK Z.

in: Lojistik Planlama ve Modelleme, Gülsen Serap Çekerol, Editor, Anadolu Üniversitesi, Eskişehir, pp.2-29, 2016

VIII. **Ayrıt Tabanlı Araç Rotalama Problemleri**

SİPAHİOĞLU A., KESKİN M. H., TANYAŞ M., KAMIŞLI ÖZTÜRK Z.

in: Lojistik Planlama ve Modelleme, Gülsen Serap Çekerol, Editor, Anadolu Üniversitesi, Eskişehir, pp.150-164, 2016

IX. **Uluslararası Satın Alma ve Tedarik Stratejileri**

SİPAHİOĞLU A.

in: Uluslararası Lojistik, Bülent Çatay, Gürkan Öztürk, Editor, Anadolu Üniversitesi, Eskişehir, pp.44-61, 2012

X. **Uluslararası Taşımacılık Yönetimi**

SİPAHİOĞLU A.

in: Uluslararası Lojistik, Bülent Çatay, Gürkan Öztürk, Editor, Anadolu Üniversitesi, Eskişehir, pp.22-43, 2012

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Multi-Depot Drone Arc Routing Problem and Solution Methods**
Altin I., Sipahioğlu A., Acar I.
INFORMS Annual Meeting 2024, Washington, United States Of America, 20 - 23 October 2024, pp.82, (Summary Text)

II. **A Mathematical model for routing of Industrial Inspection Robots**
Kara M. E., Sipahioğlu A., Yazıcı A.
33rd European Conference on Operational Research (EURO 2024), Kobenhavn, Denmark, 30 June - 03 July 2024, pp.377, (Summary Text)

III. **Simulated Annealing Algorithm for In-Plant Milk-Run System**
Altın İ., Sipahioğlu A.
International Conference of Production Research Americas 2020, Bahia Blanca, Argentina, 9 - 11 December 2020, pp.2561-2576, (Full Text)

IV. **A Metaheuristic Algorithm for In-Plant Milk-Run System**
ALTIN İ., SİPAHİOĞLU A.
5th International Researchers, Statisticians and Young Statisticians Congress, 18 - 20 October 2019, (Full Text)

V. **A Method for 1-M-1 Pickup and Delivery Problem with Robust Paths**
ALTIN İ., SİPAHİOĞLU A., YAZICI A.
VEROLOG 2019, Sevilla, Spain, 3 - 05 June 2019, (Summary Text)

VI. **Simulated Annealing Algorithm for 1-M-1 Pickup and Delivery Problem**
SİPAHİOĞLU A., ALTIN İ., YAZICI A.
ECCO 2019, St. Julian'xxs, Malta, 30 May - 01 June 2019, (Summary Text)

VII. **A Mathematical Model for In-Plant Milk-Run Routing**
ALTIN İ., SİPAHİOĞLU A.
16. International Logistics and Supply Chain Congress, 18 - 20 October 2018, (Full Text)

VIII. **A Mixed Integer Linear Programming Model for the Customer Order Scheduling Problem in Flexible Flowshop Environment**
SİPAHİOĞLU A., Aladağ A.
OR 2018, Brussels, Belgium, 12 - 14 September 2018, (Summary Text)

IX. **Iterated Local Search Algorithm for the Quadratic Assignment Problem**
ALTIN İ., SİPAHİOĞLU A.
29. European Conference on Operational Research, 8 - 11 July 2018, (Summary Text)

X. **Milk-Run Rotası Belirlemede Bir Model Önerisi**
ALTIN İ., SİPAHİOĞLU A.
38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi, Turkey, 26 - 29 June 2018, (Summary Text)

XI. **Threshold Accepting Algorithm for the Capacitated P-Median Problem**
ALTIN İ., SİPAHİOĞLU A.
4. International Researchers, Statisticians and Young Statisticians Congress, 28 - 30 April 2018, (Summary Text)

XII. **A Hybrid Genetic Algorithm for Optimizing a Closed Loop Supply Chain Network Inspired by Automotive Recycling**
YILDIZBAŞI A., SİPAHİOĞLU A.
LM-SCM 2016 16. International Logistics and Supply Chain Congress, İzmir, Turkey, 1 - 02 December 2016, (Full Text)

XIII. **A VRP Based Mathematical Model for Airspace Sectorization**
SİPAHİOĞLU A., Temizkan Ş.
OR 2016 - International Conference on Operations Research, Hamburg, Germany, 30 August - 02 September 2016, (Summary Text)

XIV. **Subtour Elimination Constraints for TSP with Sparse Distance Matrix**
SİPAHİOĞLU A.
EURO 2015, 27th European Conference on Operational Research, Glasgow, United Kingdom, 12 - 15 July 2015, (Summary Text)

XV. **A Model for Helicopter Routing Problem**

SİPAHİOĞLU A., Çelik G.

LM-SCM2014, 30 - 31 October 2014, (Full Text)

XVI. **A New Approach for Pickup and Delivery Problem**

SİPAHİOĞLU A., Çelik G.

OR 2014, Aachen, Germany, 02 September 2014, (Summary Text)

XVII. **A Multi Objective Optimization Approach for Plastic Injection Molding Machine Scheduling Problem**

SARAÇ T., SİPAHİOĞLU A.

20th Conference of the International Federation of Operational Research Societies (IFORS2014), Barcelona, Spain, 13 - 18 July 2014, (Summary Text)

XVIII. **Scheduling Injection Molding Machines**

SİPAHİOĞLU A., SARAÇ T.

ECCO XXVII - CO 2014 Joint Conference, 1 - 03 May 2014, (Summary Text)

XIX. **A Two Stage Approach for Plastic Injection Molding Machines Scheduling Problem**

SİPAHİOĞLU A., SARAÇ T., AKYOL E.

XXXIV. International Conference on Industrial Engineering and Systems Management (ICIESM2013), Barselona, Spain, 14 - 15 October 2013, (Summary Text)

XX. **A hybrid solution method for generalized quadratic multiple knapsack problem**

SARAÇ T., SİPAHİOĞLU A.

26th European Conference on Operational Research (EURO/INFORMS2013), Roma, Italy, 1 - 04 July 2013, (Summary Text)

XXI. **An Artificial Immune System Approach for Flexible Job Shop Scheduling Problem**

SİPAHİOĞLU A., Aladağ A.

IEOM 2012, 3 - 06 July 2012, (Full Text)

XXII. **A New Discrete Particle Swarm Optimization Design for the Multiple Depot Open Vehicle Routing Problem**

ÖZSOYDAN F. B., SİPAHİOĞLU A.

9th International Logistics & Supply Chain Congress, İzmir, Turkey, 27 October 2011, (Full Text)

XXIII. **A Particle Swarm Optimization for the Capacitated p-Median Problem**

ÖZSOYDAN F. B., SİPAHİOĞLU A.

12th International Symposium on Econometrics Statistics and Operations Research, Denizli, Turkey, 26 May 2011, (Full Text)

XXIV. **Solving the Generalized Quadratic Multiple Knapsack Problem by using F MSG Algoritm**

SİPAHİOĞLU A., SARAÇ T.

24th Mini Euro Conference, İzmir, Turkey, 23 - 26 June 2010, (Full Text)

XXV. **Solving the generalized quadratic multiple knapsack problem by using F MSG algorithm**

SİPAHİOĞLU A., SARAÇ T.

24th Mini EURO Conference (MEC EurOPT 2010), 23 - 26 June 2010, (Full Text)

XXVI. **A New Solution Approach for Multi Container Loading Problem**

SİPAHİOĞLU A., Kirlik G., SARAÇ T.

4th International Workshop on Freight Transportaion and Logistics (ODYSSEUS2009), 26 - 29 May 2009, (Full Text)

XXVII. **Multi-robot sensor-based coverage path planning using capacitated arc routing approach**

PARLAKTUNA O., SİPAHİOĞLU A., Kirlik G., YAZICI A.

IEEE International Conference on Control Applications/International Symposium on Intelligent Control, St Petersburg, Russia, 8 - 10 July 2009, pp.1146-1147, (Full Text)

XXVIII. **A Dynamic Path Planning Approach for Multi-Robot Sensor-Based Coverage Considering Energy Constraints**

YAZICI A., Kirlik G., PARLAKTUNA O., SİPAHİOĞLU A.

IEEE RSJ International Conference on Intelligent Robots and Systems, Missouri, United States Of America, 10 - 15 October 2009, pp.5930-5931, (Full Text)

XXIX. **Two Stepped Approach For Container Loading Problem**

SARAÇ T., Kirlik G., SİPAHİOĞLU A.

6th International Symposium on Intelligent and Manufacturing Systems "Features, Strategies And Innovation" (IMS'2008), 14 - 16 October 2008, (Full Text)

XXX. **A Sensor Based Coverage Approach in Dynamic Environment**

SİPAHİOĞLU A., YAZICI A., KİRLİK G., PARLAKTUNA O.

6th International Symposium on Intelligent Manufacturing Systems, İzmit, Turkey, 14 - 17 October 2008, (Full Text)

XXXI. **A genetic algorithm for the generalized quadratic knapsack problem**

SARAÇ T., SİPAHİOĞLU A.

18th Triennial Conference of International Federation of Operational Research Societies (IFORS 2008), Sandton, South Africa, 13 - 18 July 2008, (Summary Text)

XXXII. **The performance of the modified subgradient algorithm on solving the 0-1 quadratic knapsack problem**

SİPAHİOĞLU A., SARAÇ T.

20th International Conference/Euro Mini Conference on Continuous Optimization and Knowledge-Based Technologies (EurOPT 2008), Neringa, Lithuania, 20 - 23 May 2008, pp.381-385, (Full Text)

XXXIII. **A quadratic aggrigate model for customer clustering and truck loading in logistic operations**

SİPAHİOĞLU A., SARAÇ T., Kirlik G.

22nd European Conference on operational research (EURO XXII), Prague, Czech Republic, 8 - 11 July 2007, (Summary Text)

XXXIV. **A knapsack model for the m plastic injection machine scheduling problem**

SARAÇ T., SİPAHİOĞLU A.

22nd European Conference on operational research (EURO XXII), Prague, Czech Republic, 8 - 11 July 2007, (Summary Text)

XXXV. **Plastik enjeksiyon üretim sürecinde parça benzerliklerinin AHP yaklaşımı ile belirlenmesi**

SARAÇ T., SİPAHİOĞLU A.

Yöneylem Araştırması ve Endüstri Mühendisliği XXVII. Ulusal Kongresi (YA/EM'2007), Turkey, 2 - 04 July 2007, (Summary Text)

XXXVI. **Kamyon yükleme problemi için yükleme planlarının belirlenmesi**

Kirlik G., SARAÇ T., SİPAHİOĞLU A.

Yöneylem Araştırması ve Endüstri Mühendisliği XXVII. Ulusal Kongresi (YA/EM'2007), Turkey, 2 - 04 July 2007, (Summary Text)

XXXVII. **A genetic algorithm for the quadratic multiple knapsack problem**

SARAÇ T., SİPAHİOĞLU A.

2nd International Symposium on Brain, Vision and Artificial Intelligence, Naples, Italy, 10 - 12 October 2007, vol.4729, pp.490-492, (Full Text)

XXXVIII. **Karesel sırt çantası problemi için subgradient temelli bir çözüm yaklaşımı**

SARAÇ T., SİPAHİOĞLU A.

Yöneylem Araştırması ve Endüstri Mühendisliği XXVI. Ulusal Kongresi (YA/EM'2006), Turkey, 3 - 05 July 2006, (Full Text)

XXXIX. **Heuristic-based route planning approach for a homogeneous multi-robot team**

YAZICI A., SİPAHİOĞLU A., Parlaktuna O., Gurel U.

IEEE International Symposium on Intelligent Control, Munich, Germany, 4 - 06 October 2006, pp.234-235, (Full Text)

XL. **Çok amaçlı 0 1 sırt çantası problemi için konik skalerleştirme yöntemi ile bir çözüm yaklaşımı**

SİPAHİOĞLU A., SARAÇ T.

Yöneylem Araştırması ve Endüstri Mühendisliği XXV. Ulusal Kongresi (YA/EM'2005), Turkey, 4 - 06 July 2005, (Summary Text)

XLI. **Solving the quadratic knapsack problem by using modified subgradient algorithim**

SARAÇ T., SİPAHİOĞLU A.

International Conference on Continuous Optimization (ICOOPT I), 2 - 04 August 2004, (Summary Text)

XLII. **1 5 Boyutlu Malzeme Seçimi Problemi İçin Çok Ölçütlü Bir Karar Modeli ve Çözüm Yaklaşımı**

KASIMBEYLİ R., SİPAHİOĞLU A., SARAÇ T.

Yöneylem Araştırması ve Endüstri Mühendisliği XXIV. Ulusal Kongresi (YA/EM'2004), Turkey, 15 - 18 June 2004,

(Full Text)

XLIII. **0 1 sırt çantası probleminin çözümünde genişletilmiş subgradient yönteminin kullanımı**

SARAÇ T., SİPAHİOĞLU A.

Yöneylem Araştırması ve Endüstri Mühendisliği XXIV. Ulusal Kongresi (YA/EM'2004), Turkey, 15 - 18 June 2004,

(Full Text)

XLIV. **Gezgin satıcı problemi için doğrusal olmayan bir matematiksel model ve çözüm yaklaşımı**

SİPAHİOĞLU A., ÖZTÜRK G., SARAÇ T.

Yöneylem Araştırması ve Endüstri Mühendisliği XXIV. Ulusal Kongresi (YA/EM'2004), Turkey, 15 - 18 June 2004,

(Full Text)

Funded Projects

Altin I., Sipahioğlu A., TUBITAK Project, KENTİÇİ RAYLI ULAŞIM SİSTEMLERİNDE ARAÇ VE SÜRÜCÜ ÇİZELGELEME BİLGİ SİSTEMİ, 2022 - 2023

Yazıcı A., Özkan M., Sipahioğlu A., Yayan U., H2020 Project, Verification and Validation of Automated Systems' Safety and Security, 2020 - 2023

Yazıcı A., Sarıçiçek İ., Edizkan R., Çevikalp H., Sipahioğlu A., TUBITAK Project, Development of Autonomous Transport Vehicles and Human-Machine / Machine-Machine Interfaces for Smart Factories, 2017 - 2021

GÜREL U., SARAÇ T., SARIÇİÇEK İ., SİPAHİOĞLU A., TUBITAK Project, Yedek parça stok izleme sistemi, 2017 - 2018

SİPAHİOĞLU A., Project Supported by Higher Education Institutions, Plastik Enjeksiyon Makinalarının Çizelgelenmesi Problemi İçin İki Aşamalı Bir Çözüm Yaklaşımı, 2012 - 2015

SİPAHİOĞLU A., Project Supported by Higher Education Institutions, Plastik Enjeksiyon Makinelerinin Çizelgelemesi Problemi İçin İki Aşamalı Bir Çözüm Yaklaşımı, 2012 - 2014

Yazıcı A., Özkan M., Parlaktuna O., Sipahioğlu A., Kapanoğlu M., TUBITAK Project, Devinik İç Ortamların Tam Kapsanması Amacıyla Gezgin Robot Rota Planlaması, 2007 - 2009

Metrics

Publication: 77

Citation (WoS): 247

Citation (Scopus): 350

H-Index (WoS): 8

H-Index (Scopus): 10